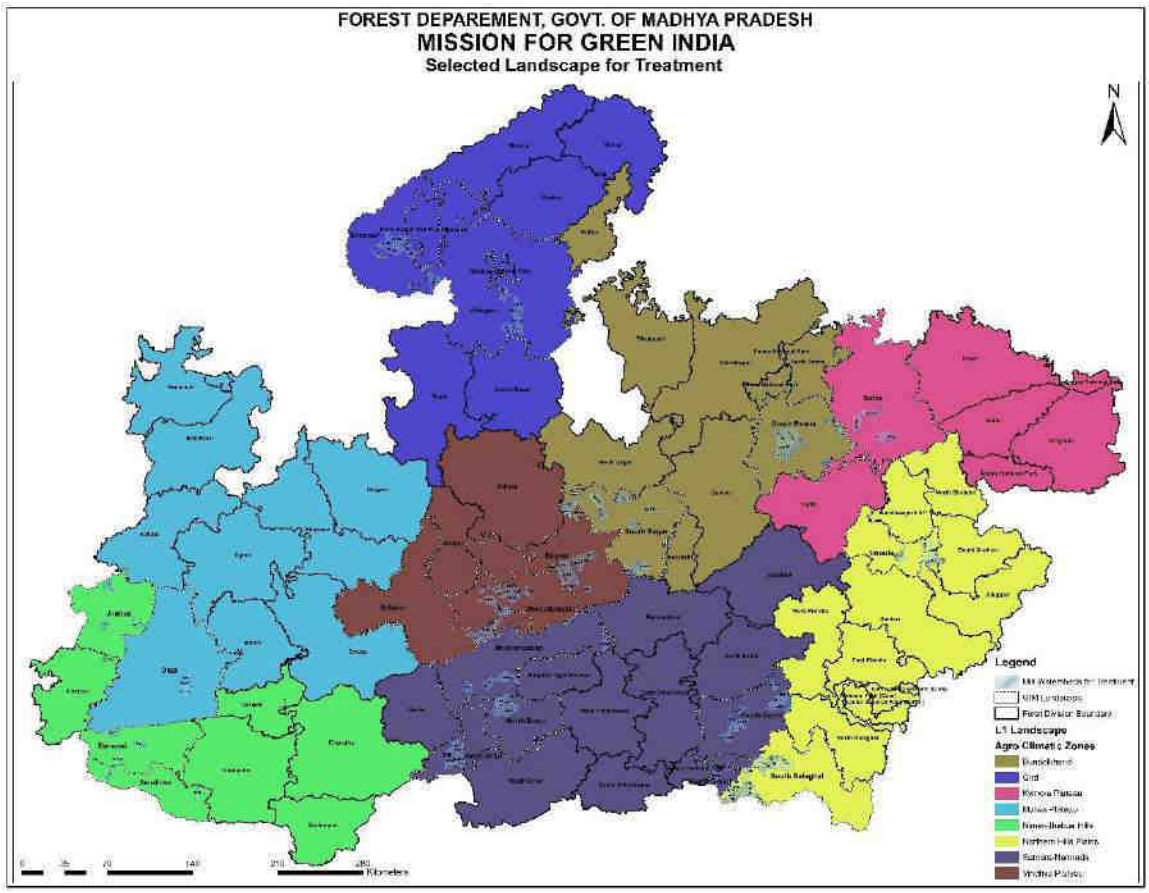
Ministry of Environment, Forest and Climate Change

Progress Report 2018-19

National Mission for A Green India



Madhya Pradesh Forest Department

GIM brings water to two tribal landscapes

LI (i) Kymore Plateau-Satna Division

Village Berme, in Uchehra Range, with all the 8 handpumps gone dry has struck nothing short of Gold by tapping an underground stream. A pond being constructed to provide water to this parched village post monsoon are thronging the pond in month of April to fetch drinking water from the under-construction pond, with its water level rising by the day.

5th March 2019

3rd Apr 2019

सतना विशेष

जल संकट से जूझते बेरमें के लिए वरदान बन गया वॉल इंडिया मिशन

तालाब खुदाई के दौरान बह चली जलधारा

8 हैंडपम्प सभी सूखे

LI (viii) Gird- Sheopur Division: Bhela village, in Range Sheopur, creation of boulder check dam in GIM sub-Mission 1b type A. Sudden downpour resulted in harvesting of water in absolutely dry landscape

Index

Chapter	Particulars	Page No.
1.	**Background note on Implementation of the Mission for a Green India in the state of Madhya Pradesh**	1-2
2.	**Selection of Landscapes under Green India Mission**	3-12
3.	**Landscape Details for L 1 Landscape (i)- Kymore Plateau: Satna**	13-30
4.	**Landscape Details for L 1 Landscape (ii)- Northern Hills Plains**	31-66
	4.1- Umaria Division	31-44
	4.2- South Balaghat Division	45-66
5.	**Landscape Details for L 1 Landscape (iii)- Satpuda-Narmada**	67-106
	5.1- Hoshangabad Division	67-79
	5.2- South Seoni Division	80-86
	5.3- North and West Betul Division	87-106
6.	**Landscape Details for L 1 Landscape (iv): Vindhya Plateau**	107-136
	6.1- Raisen and Obedullahgunj Division	107-126
	6.2- Sehore Division	127-136
7.	**Landscape Details for L 1 Landscape (v): Malwa Plateau: Dhar**	137-149
8.	**Landscape Details for L 1 Landscape (vi) Nimar-Jhabua Hills**	150-183
	8.1- Jhabua Division	150-160
	8.2- Barwani & Sendhwa Division	161-183
9.	**Landscape Details for L 1 Landscape (vii)- Budelkhand**	184-221
	9.1- South Sagar Division	184-200
	9.2-South Panna Division	201-221
10.	**Landscape Details for L 1 Landscape (viii)- Gird**	222-254
	10.1- Sheopur Division	222-233
	10.2- Shivpuri Division	234-254
11.	**Annexure I-** Minutes of 4th Meeting of National Executive Council of National Mission for Green India	255-262
12.	**Annexure II-** Release of 1st installment under the National Mission for a Green India (GIM) for the Approved Perspective Plan and Annual plan of	263-273

	Operation of Madhya Pradesh State to carry out Advance and Creation works in FY 2018-19 reg;	
13.	**Annexure III-** Provisional Utilization Certificate of dated 25th January and 22nd March, 2019	274-279
14.	**Annexure IV-** Release of 2nd installment under the National Mission for a Green India (GIM) for the Approved Perspective Plan and Annual plan of Operation of Madhya Pradesh State to carry out Advance and Creation works in FY 2018-19 reg;	280-258
15.	**Annexure V-** Division wise Physical and financial targets with Achievement's	290-301
16.	**Annexure VI-** Geo Tagged Photograph details of Green India Mission-Madhya Pradesh	302-313
17.	**Annexure VII-** Project ToR and progress report of Indian Institute of Forest Management	314-340
18.	**Annexure VIII-** Project Proposal and Progress Report of Policy and Planning Support Unit, Govt. of Madhya Pradesh	341-351
19.	**Annexure IX -**Three Days training program details on Carbon Measurement by Forest Survey of India, Dehradun	352-358
20.	**Annexure X –** Division wise List of Beneficiaries Selected under GIM activities taken up	359-384

List of Tables

Sl. No	Details of Table	Page No.
1.	Table: 1 Selection of L1 landscapes for GIM	3
2.	Table: 2: Projected Vulnerability in Districts of Madhya Pradesh	6
3.	Table 3: L 2 Landscape selected for project implementation	7
4.	Table 4: The division wise summary of selected L3 Landscapes	8
5.	Table 5: Madhya Pradesh Landscape of Green India mission	9
6.	Table 6: Madhya Pradesh Sub-mission wise area in perspective plan	11
7.	Table 7: Perspective Plan budget provision	12
8.	Table 8: Forest area description in the Satna Forest Division	14
9.	Table 9: Details of Milli-watershed selected in Satna Forest Division	15
10.	Table 10: Details of Milli-watershed wise description of micro-watersheds in Satna	16
11.	Table 11 - List of Villages in Satna Forest Division	19
12.	Table 12 - The key demographic information of Satna	19
13.	Table 13 - Village wise details of selected areas in Satna	20
14.	Table 14 - Village wise population details of selected areas in Satna	20
15.	Table 15 - Village wise literacy Details of areas selected in Satna	21
16.	Table 16 - Important Statistics related to works participation in selected areas of Satna	21
17.	Table 17: Umaria Forest Division- Administrative unit wise distribution of forests	32
18.	Table 18: Umaria Forest Division- Area wise distribution of forests	33
19.	Table 19: Umaria Forest Division- Selected Milli-watershed details	34
20.	Table 20: The micro-watersheds selected in the 2A6H4d milli-watershed	35
21.	Table 21: The micro-watersheds selected in the 2A6H4u milli-watershed	35
22.	Table 22 - List of Villages selected in Umaria	37
23.	Table 23 - The key demographic information of Umaria	38
24.	Table 24 – Umaria Village wise sex ration of selected areas	38
25.	Table 25 – Umaria Village wise Details	39
26.	Table 26 - Umaria Village wise details of selected areas	39
27.	Table 27 – Important Statistics relating to works participation Umaria	40

28.	Table 28 - List of Villages Umaria	40
29.	Table 29 - The key demographic information of Umaria is as below	40
30	Table 30 – Umaria: village wise details are as follows	41
31.	Table 31 – Umaria- selected area Village wise population details	41
32.	Table 32 – Umaria literacy Village wise Details	42
33.	Table 33 – Umaria Important Statistics relating to works participation	42
34.	Table 34: area wise distribution of the forest of S. Balaghat division	46
35.	Table 35: S. Balaghat Division- L 2 milli watershed details	47
36.	Table 36: S. Balaghat Division- L 3 micro watershed 4E5G3k details	48
37.	Table 37: S. Balaghat Division- L 3 micro watershed 4E5G5m	49
38.	Table 38: Brief Profile of Milli-Watershed (4E5G3K): List of Villages	51
39.	Table 39: Balaghat key demographic information is as below	52
40.	Table 40 – Balaghat Village wise details of selected areas	52
41.	Table 41 – Balaghat Population *Villagewise details of selected areas*	53
42.	Table 42 – Balaghat literacy *Village wise Details*	54
43.	Table 43 – Balaghat Important Statistics relating to works participation	55
44.	Table 44 – Balaghat List of Villages selected	55
45.	Table 45: Balaghat The key demographic information	56
46.	Table 46 – Balaghat *Village wise details*	57
47.	Table 47 – Balaghat population *Village wise details*	58
48.	Table 48 – Balaghat literacy *Village wise Details*	58
49.	Table 49 – Balaghat Important Statistics relating to works participation	59
50.	Table 50: Hoshangabad selected L2 landscape details-	69
51.	Table 51: Hoshangabad selected L3 landscape 5D5A2b details	71
52.	Table 52 – Hoshangabad selected area List of Villages	74
53.	Table 53 – Hoshangabad The key demographic information	75
54.	Table 54 – Hoshangabad *Villagewise details*	75
55.	Table 55 – Hoshangabad population *Villagewise details*	76
56.	Table 56 – Hoshangabad literacy *Village wise Details*	76
57.	Table 57 – Hoshangabad Important Statistics relating to works participation	77

58.	Table 58: L 2 landscape South Seoni Division mili watershed details	82
59.	Table 59: L 3 landscape South Seoni Division mili watershed 4E5G4 details	84
60.	Table 60: L 3 landscap South Seoni Division mili watershed 4E5H5c details	84
61.	Table 61: L 2 landscape North Betul Division milli watershed details	89
62.	Table 62: L 2 landscape West Betul Division mili watershed details	90
63.	Table 63: L 2 landscape North Betul Division mili watershed 5D5A2h details	91
64.	Table 64: L 2 landscape North Betul Division mili watershed 5D5A2j details	91
65.	Table 65: L 2 landscape West Betul Division mili watershed 5C5B5q details	91
66.	Table 66 – North Betul List of Villages	94
67.	Table 67 – North Betul The key demographic information	94
68.	Table 68 – North Betul sex ratio *Village wise details*	95
69.	Table 69 – North Betul selected area *Village wise population details*	95
70.	Table 70 – North Betul literacy *Village wise Details of selected area*	96
71.	Table 71 – North Betul Important Statistics relating to works participation	97
72.	Table 72 – North Betul List of Villages	97
73.	Table 73 – North Betul The key demographic information	98
74.	Table 74 – North Betul sex ratio Village *wise details*	98
75.	Table 75 – North Betul population *Village wise details*	99
76.	Table 76 – North Betul literacy *Village wise Details*	99
77.	Table 77 – Betul Important Statistics relating to works participation	100
78.	Table 78 – Raisen & Obedullahgunj Area wise distribution of forest	108
79.	Table 79 – Raisen & Obedullahgunj annual requirement of forest produce details	108
80.	Table 80 – Raisen & Obedullahgunj forest committee details	109
81.	Table 81 – Raisen L 2 milli-watershed details	109
82.	Table 82 – Obedullahgunj L 2 milli-watershed details	109
83.	Table 83 – Raisen L 2 milli-watershed 5D4A5g details	114
84.	Table 84 – Raisen L 2 milli-watershed 5D4A5t details	114
85.	Table 85 – Obedullahgunj L 2 milli-watershed 5D4A3p details	115
86.	Table 86 – Raisen List of Villages	116
87.	Table 87 – Raisen The key demographic information	117

88.	Table 88 – Raisen population *Village wise details*	119
89.	Table 89 – Raisen Important Statistics relating to works participation	120
90.	Table 90 – Raisen List of Villages	121
91.	Table 91 – Raisen the key demographic information	121
92.	Table 92 – Raisen *Village wise sex ratio details*	122
93.	Table 93 – Raisen *Village wise population details of selected areas*	122
94.	Table 94 – Raisen selected area literacy *Village wise Details*	123
95.	Table 95 – Raisen Important Statistics relating to works participation	124
96.	Table 96 – Sehore area wise distribution of forests	128
97.	Table 97 – Sehore annual requirement of forest produce	128
98.	Table 98 – Sehore l 2 milli-watershed details	130
99.	Table: 99- Details of selected L 2 Landscape: Milli-watershed 5D2D8g detail	130
100	Table: 100- Details of distribution of forest area in Dhar	138
101	Table: 101- Details of L 2 milli-watershed in Dhar	139
102.	Table: 102- Details of L 2 milli-watershed 5D2A7j in Dhar	141
103.	Table: 103- Details of L 2 milli-watershed 5D2A8t in Dhar	141
104.	Table: 104- Details of distribution of the forest area in the Jhabua division	151
105.	Table: 105- Details of L 2 milli-watershed in the Jhabua division	152
106.	Table: 106- Details of L 3 milli-watershed in the Jhabua division	154
107.	Table 107 -Jhabua List of Villages	155
108.	Table 108 – Jhabua The key demographic information	156
109.	Table 109 – Jhabua *Villagewise sex ratio details of selected areas*	156
110.	Table 110 – Jhabua *Villagewise population details of selected areas*	157
111.	Table 111 – Jhabua *Village wise Details of literacy*	157
112.	Table 112 – Jhabua Important Statistics relating to works participation	158
113.	Table 113 – Barwani & Sendhwa Important Statistics relating to works participation	162
114.	Table 114 – Barwani & Sendhwa requirement of forest produce	163
115.	Table 115 – Barwani & Sendhwa forest committee details	163
116.	Table 116 – Barwani L 2 milli-watershed details	163

117.	Table 117 – Sendhwa L 2 milli-watershed details	164
118.	Table 118 – Barwani L 2 milli-watershed 5D3A4n details	166
119.	Table 119 – Barwani L 2 milli-watershed 5D3A4a details	166
120.	Table 120 – Sendhwa L 2 milli-watershed 5D3B4g details	167
121.	Table 121 – Sendhwa L 2 milli-watershed 5C2A6k details	167
122.	Table 122 – Barwani List of Villages	169
123.	Table 123 – Barwani the key demographic information	170
124.	Table 124 – Barwani *Village wise population details*	171
125.	Table 125 – Badwani Important Statistics relating to works participation	172
126.	Table 126 – Barwani List of Villages	172
127.	Table 127 - Badwani The key demographic information is as below	172
128.	Table 128 - Badwani Sex ratio v*illagewise details*	173
129.	Table 129 – Badwani v*illagewise population details of selected areas*	173
130.	Table 130 – Badwani *Barwani Village wise Details of literacy*	174
131.	Table 131 – Barwani Important Statistics relating to works participation	174
132.	Table 132 - South Sagar- requirement of forest produce details	185
133.	Table 133 - South Sagar L 2 landscape details	186
134.	Table 134 - South Sagar L 2 landscape milli-watershed 2C1E5s details	190
135.	Table 135 - South Sagar L 2 landscape milli-watershed 2C2G6c details	191
136.	Table 136 - South Sagar L 2 landscape milli-watershed 2C1E7d details	191
137.	Table 137 - South Sagar List of Villages	192
138.	Table 138 – South Sagar- The key demographic information	193
139.	Table 139 – South Sagar Village wise sex ratio details	193
140.	Table 140 – South Sagar village wise population details	194
141.	Table 141 – South Sagar- Village wise literacy details	194
142.	Table 142 – South Sagar Important Statistics relating to works participation	195
143.	Table 143 – South Sagar List of Villages	195
144.	Table 144 - South Sagar The key demographic information	195
145.	Table 145 – Sagar village wise sex ratio details	196
146.	Table 146 – Sagar village wise population details	196

147.	Table 147 – Sagar village wise literacy details	197
148.	Table 148 – Sagar Important Statistics relating to works participation	198
149.	Table 149 – South Panna annual demand of forest produce	202
150.	Table 150 – South Panna L 2 milli-watershed details	203
151.	Table 151 – South Panna L 2 milli-watershed 2C1C4h details	205
152.	Table 152 – South Panna L 2 milli-watershed 2C1C6u	205
153.	Table 153 – South Panna List of Villages	207
154.	Table 154 – South Panna the key demographic information	208
155.	Table 155 – South Panna village wise sex ratio details	208
156.	Table 156 – South Panna Village wise population details	209
157.	Table 157 – South Panna Village wise literacy details	209
158.	Table 158 – South Panna Important Statistics relating to works participation	210
159.	Table 159 – South Panna List of Villages	210
160.	Table 160 – South Panna The key demographic information	211
161.	Table 161 – South Panna village wise sex ratio details	211
162.	Table 162 – South Panna village wise population details	212
163.	Table 163 – South Panna Village wise literacy details	213
164.	Table 164 – South Panna Important Statistics relating to works participation	213
165.	Table 165 – Sheopur L 2 milli watershed details	224
166.	Table 166 – Sheopur L 2 milli watershed 2D1B8j details	225
167.	Table 167 – Sheopur L 2 milli watershed 2D1B8j details	226
168.	Table 168 - Sheopur List of Villages	227
169.	Table 169 - Sheopur The key demographic information	228
170.	Table 170 – Sheopur village wise details	228
171.	Table 171 – Sheopur village wise population details	229
172.	Table 172 – Sheopur village wise literacy details	230
173.	Table 173 – Sheopur Important Statistics relating to works participation	231
174.	Table 174 – Shivpuri annual demand for forest produce	236
175.	Table 175 – Shivpuri L 2 milli watershed details	236
176.	Table 176 – Shivpuri L 2 milli watershed 2C3D1g details	238

177.	Table 177 – Shivpuri L 2 milli watershed 2C3D2g	239
178.	Table 178 – Shivpuri List of Villages	241
189.	Table 179 – Shivpuri the key demographi180.c information is as below	241
180.	Table 180 – Shivpuri village wise sex ratio details	241
181.	Table 181 – Shivpuri Village wise details	242
182.	Table 182 – Shivpuri village wise literacy details	242
183.	Table 183 – Shivpuri Important Statistics relating to works participation	243
184.	Table 184 -Shivpuri List of Villages	243
185.	Table 185 – Shivpuri the key demographic information	244
186.	Table 186 – Shivpuri village wise sex ratio details	244
187.	Table 187 – Shivpuri village wise population details	245
188.	Table 188 – Shivpuri village wise literacy details	245
189.	Table 189 – Shivpuri Important Statistics relating to works participation	246

Chapter 1: Background note on Implementation of the Mission for a Green India in the state of Madhya Pradesh

The National Executive Council of the National Mission for Green India (GIM), Ministry of Environment Forest and Climate Change, in its fourth meeting dated 3rd January 2018, approved the perspective plan submitted by the state of Madhya Pradesh for the period (2016-17 to 2021-22). (Annexure I). The five-year plan submitted by the state covers 8 L 1, 122 L2 and 735 L3 level landscapes. The plan proposes to treat 3,40,700 ha of the forest land and address the alternative fuel needs needs of 114,185 households. The approved perspective plan has an outlay of Rs 3,157.36 crores. The council also approved the APO for the year 2017-18 covering 117,645 ha. of forest land and 33,167 households with an outlay of Rs 396.7258 crores.

2. The Ministry of Environment Forest and Climate Change, while releasing the amount to the state government revised the APO to 11914 ha, 3317 households with a revised outlay of Rs 41.8026 crores, vide the letter dated 10th September 2018 (Annexure II). Revision of APO amounted to revised target of about 10.54% of the proposed plan, which were approved by the National Executive Council. Accordingly, only the 10.54% of the proposed landscapes and sub-missions where taken up for treatment during the year 2018-19. A total of 33 L2 and 79 L3 level landscapes were taken up for treatment in the 18 forest divisions identified under Mission for a Green India in the state of Madhya Pradesh. Against the sanctioned APO, the first installment of Rupees 17.6 crores was made available to the state government incorporating the central and state shares in the designated proportion. A Provisional utilization certificate of Rupees 8.43 crores was submitted by the state government in the month of January and the second Provisional utilization certificate of Rupees 14.42 crores was submitted by the state government in the month of March 2019(Annexure III). Ministry of Environment Forest and Climate Change vide their letter dated 30th March 2019 released the second installment of Rupees 13.93 crores to the state government (Annexure IV). This amount could not be transferred to the SFDA account of the state government. Request was made by the state government to revalidate the second installment for the use by State Government. The Ministry of Environment Forest and Climate Change has directed the state to submit a progress report on certain points for the revalidation.

3. The progress report in the desired format is being submitted by the state government herewith. As on 31st of March 2019, the total expenditure by the state government amounts to Rs. 16.26 crores (Division wise physical and financial achievements is at annexure V. L1 Landscape wise details of achievement is detailed in chapters 3 to chapter10. L2 and L3 Landscape wise sub-mission wise physical and financial progress statement along with the background information about the landscape, its forest resources, human resource and other demographic data, including village-wise socioeconomic status of all the families of the landscape are detailed in chapters 3-chapter 10.

4. we have been able to partially 9753.00 hectares of the landscapes with the amount received in the first instalment. Works on all the sites are running in full swing to achieve the activities approved in the APO 2018-19. Items of expenditure include site preparation on plantation sites which includes fencing of the area, digging of pits, removal of invasive species, preparation of plants, preparation of inspection paths, soil and water conservation measures, various liveli-hood-oriented activities, research. Tabular statement of the list of activities being taken up by the

of plants, preparation of inspection paths, soil and water conservation measures, various livelihood-oriented activities, research. Tabular statement of the list of activities being taken up by the various landscapes supported by the geo- coded photographs is being submitted as part of the report (Annexure VII) is also being annexed for perusal and necessary action.

5. As part of the APO 2018-19, a research project has been approved by the State Level Steering Committee being carried out by Indian Institute of Forest Management, Bhopal. The sites for carrying out the project have been selected in Satna, Sehore, South Balaghat and Dhar Forest Divisions. The detail of the project is enclosed at Annexure VII.

6. A collaboration with Planning & Policy Support Unit, of the State Planning Commission of Madhya Pradesh has been assigned the task of preparing the Socio-Economic Caste Census (SECC) data 2011 and also assist in preparation of landscape plans for which the State Level Executive Committee has approved an amount of Rs. 66.00 Lakh. The details of the collaboration efforts are enclosed at Annexure VIII.

7. Various beneficiary oriented programs have been carried out in APO in various landscapes. A comprehensive list of beneficiaries is enclosed at Annexure IX.

8. In order to institutionalize the measurement of carbon, a vertical training of officers of the department, ranging from P.C.C. F, Addl. P.C.C. F's, CCFs, DCFs, ACFs and FROs were exposed to a three-day training organized by FSI, Dehradun during 30th January to 1st February 2019. The details of the training are enclosed as Annexure X.

(K. Raman) IFS,

A.P.C.C.F & Nodal Officer

Green India Mission, Madhya Pradesh

Chapter-2 Selection of Landscapes under Green India Mission

1. Selection of L1 Landscapes: The selection of L1 Landscapes has been done on the basis Agro-climatic Zones. The classification mainly concentrates on the range of rainfall received, type and topography of the soils. Agro-climatic zone is a land unit in terms of major climate, superimposed on length of growing period (moisture availability period) whereas an agro-ecological zone is the land unit carved out of agro climatic zone superimposed on landform which acts as modifier to climate and length of growing period.

Table: 1 Selection of L1 landscapes for GIM

Sr. No.	L1 Landscape	Name	Forest Divisions within the landscape
1	Landscape (i)	Kymore plateau	East Sidhi, West Sidhi, Rewa, Satna, Katni
2	Landscape (ii)	Northern Hills Plains	North Shahdol, South Shahdol, Umaria, Annuppur, West Mandla, East Mandla, North Balaghat, South Balaghat
3	Landscape (iii)	Satpura- Narmada	Narsinghpur, Hoshangabad, Harda, East Chhindwara, West Chhindwara, South Chhindwara, North Betul, South Betul, West Betul, Jabalpur, North Seoni, South Seoni.
4	Landscape (iv)	Vindhya Plateau	Vidisha, Raisen, Bhopal, Obedullaganj, Sehore
5	Landscape (v)	Malwa Plateau	Neemuch, Mandsour, Ratlam, Dhar, Ujjain, Indore, Dewas, Shajapur, Rajgarh
6	Landscape(vi)	Nimar- Jhabua Hills	Jhabua, Alirajpur, Badwani, Sendhwa, Khargone, Badwah, Khandwa, Burhanpur
7	Landscape (vii)	Bundelkhand	Chhatarpur, Tikamgarh, Datia, North Panna, North Sagar, South Sagar, Damoh, S. Panna
8	Landscape (viii)	Gird	Bhind, Morena, Gwalior, Sheopur, Shivpuri, Ashoknagar, Guna

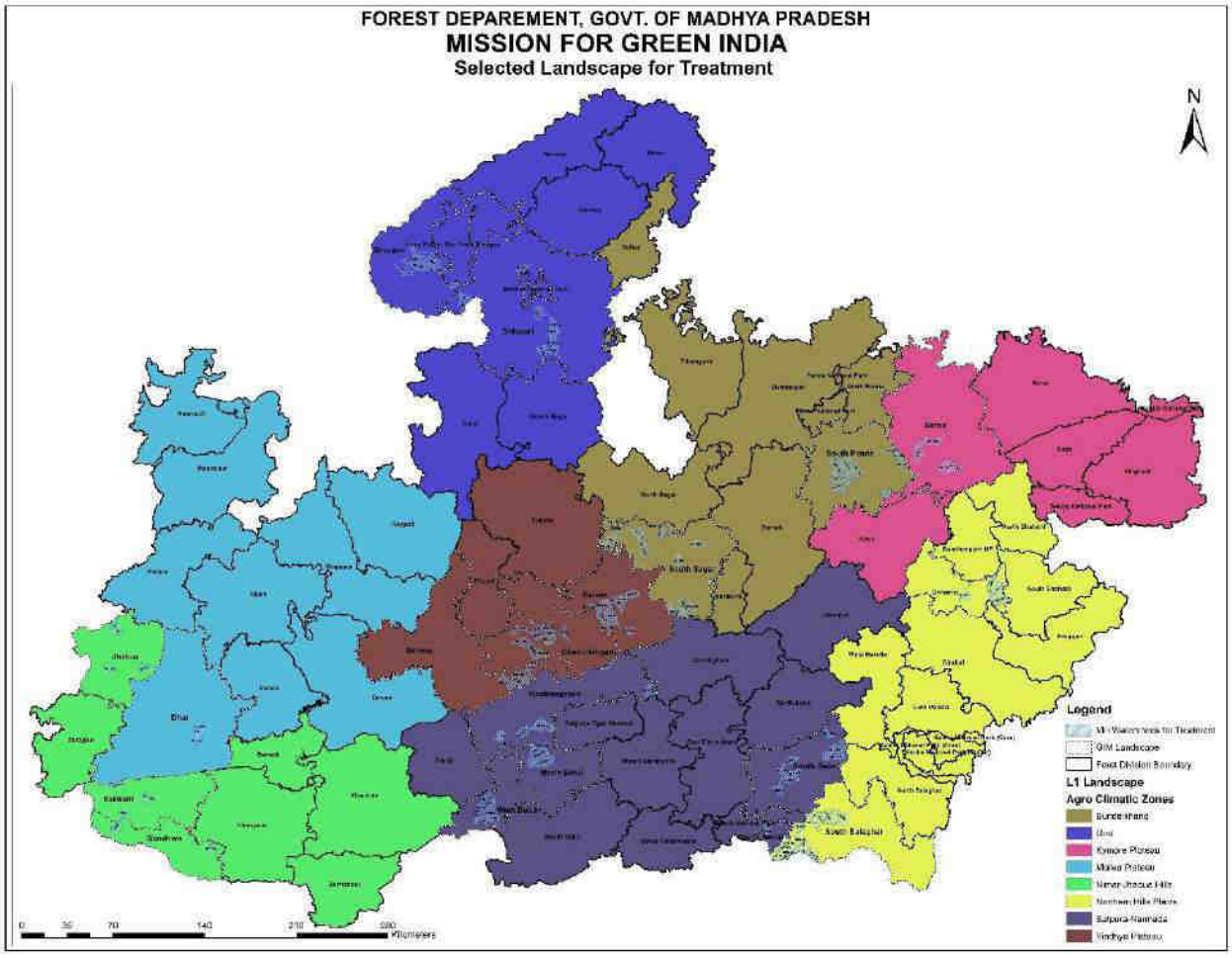


Figure 1: L1 Landscapes of Madhya Pradesh

1.2 Selection of L2 Landscapes

Green India Mission being one of the Missions of the National Action Plan on Climate Change, vulnerability of different regions of Madhya Pradesh to Climate Change has been the main factor for identifying L2 landscapes (operational units) that would be treated first under GIM. For this purpose, two major criteria have been used:

(i) Impact of climate change on forests of Madhya Pradesh

(ii) Vulnerability profile for the districts of Madhya Pradesh

The information regarding both these criteria has been taken from the draft report on "Madhya Pradesh State Climate Change Vulnerability Assessment" commissioned by Environmental Planning and Coordination Organization (EPCO), Bhopal.

Apart from the above two criteria, all the divisions in which the preparatory activities for GIM were undertaken have also been selected.

1. Impacts of Climate Change on the Forests of Madhya Pradesh

A study -"Impact of climate change on Indian forests: a dynamic vegetation modeling approach" was published by IISC, Bangalore. In this study an assessment of the impact of projected climate change on forest ecosystems in Madhya Pradesh has been made using the global dynamic vegetation model IBIS and A1B Climate change scenario for the assessment period 2021-2050 for short term and 2071 – 2100 for long term. The dynamic vegetation model outputs show that during

the short-term period of 2030s, out of the 4426 forested grids in Madhya Pradesh, 1000 (23%) will be impacted by climate change. Percentage of the forested grids projected to be impacted by 2080s is higher to the tune of 48% (2131 grids). The distribution of forested grids projected to be impacted by climate change is presented in Figure 6 for 2030s and 2080s. Forested grids mainly in the northern and south western part of Madhya Pradesh are projected to be impacted by climate change during the short-term period (2030s) under A1B scenario. In the long-term period (2080s), in addition to the northern and south western parts, southern and eastern districts of Madhya Pradesh are also projected to be impacted. The forests in the central districts of the state are not likely to be impacted by the projected climate change even by 2080s.

The key forested districts projected to be impacted during 2030s are Shivpuri, West Nimar and Jhabua and forested districts projected to be impacted during 2080s are Sheopur, Gwalior and Jhabua. In the districts projected to be impacted by climate change, the future climate is not suitable for the existing forest types and the species present. The forests in the grids projected to be impacted could experience tip drying, changes in physiological and phenological characters and in extreme cases die-back, leading to mortality of the tree species.

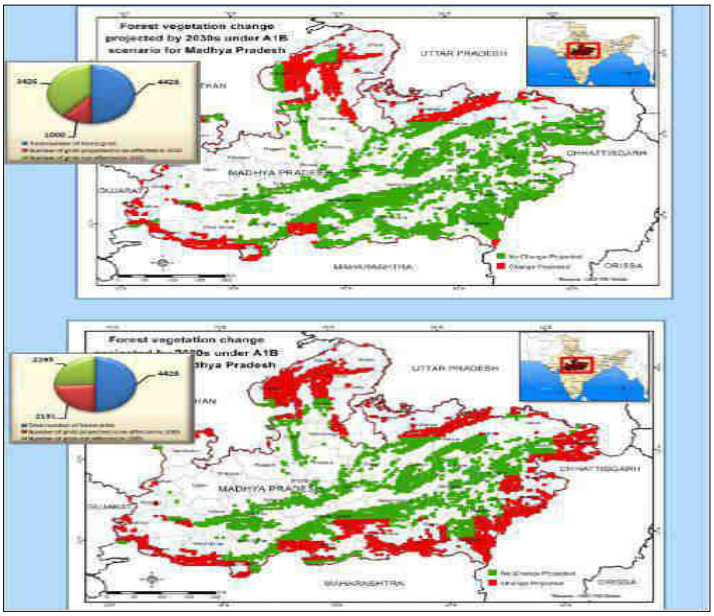


Figure 2: Forest Vegetation change projected by 2030s & 2080s under AIB scenario for Madhya Pradesh.

(a) Forested districts projected to be impacted during 2030s (short term) Change in forest vegetation of 20 districts of Madhya Pradesh is projected as per A1B scenario. The districts showing change in forest vegetation by 2030 are Sheopur, Badwani, Ratlam, Shivpuri, Morena, Gwalior, Harda, Khandwa, Khargone, Burhanpur, Jhabua Alirajpur, Balaghat, Guna, Ashoknagar, Rewa, Satna, Dhar, Betul and Panna.

(b) Forested districts projected to be impacted during 2080s (long term), Change in forest vegetation of 24 districts of Madhya Pradesh is projected as per A1B scenario. The districts showing change in forest vegetation by 2080 are Sheopur, Shivpuri, Morena, Dhar Jhabua Alirajpur Mandsaur, Neemuch, Seoni, Balaghat, Chindwara, Shahdol, Anuppur, Sidhi, Singrauli, Hoshangabad, Harda, Betul, Umaria, Khandwa, Khargone and Burhanpur, Gwalior and Tikamgarh.

2 Vulnerability Profile for districts of Madhya Pradesh

In its study "Madhya Pradesh State Climate Change Vulnerability Assessment", EPCO, Bhopal has developed a vulnerability profile for all the districts of Madhya Pradesh. For this, a

Composite Vulnerability Index has been developed, which takes into account various indicators such as social, economic, agriculture, forest, water resources, climate and health. The table below classifies the different districts of Madhya Pradesh based on the Composite Vulnerability Index into four categories of projected vulnerability to climate change viz. Very High, High, Moderate and Low.

Table: 2: Projected Vulnerability in Districts of Madhya Pradesh

Scenarios	Projected Vulnerability in Districts of Madhya Pradesh			
	Very High	High	Moderate	Low
Baseline	Sidhi, Singrauli, Annuppur, Umaria, Shahdol, Dindori, Panna, Tikamgarh, Morena, Bhind, Ashoknagar, Alirajpur(12)	Satna, Rewa, Katni, Chhatarpur, Sagar, Damoh, Sheopur, Shivpuri, Datia, Guna, Mandsaur, Ratlam, Badwani, Dhar, Jhabua, Rajgarh, Shajapur, Sehore, Vidisha (19)	Seoni, Betul, Chindwara, Harda, Narsinghpur, Jabalpur, Khandwa, Burhanpur, Ujjain, Neemuch Khargone, Dewas, Raisen (13)	Hoshangabad, Indore Gwalior, Bhopal (4)
Mid-Century	Sidhi, Singrauli, Annuppur, Umaria, Shahdol, Dindori, Panna, Tikamgarh, Morena, Bhind, Ashoknagar, Alirajpur, Mandla and Rajgarh (14)	Satna, Rewa, Katni, Chhatarpur, Sagar, Damoh, Sheopur, Shivpuri, Datia, Guna, Mandsaur, Ratlam, Badwani, Dhar, Jhabua, Rajgarh, Shajapur, Sehore, Vidisha, Seoni Chindwara, Betul Narsinghpur, Burhanpur, Ujjain (25)	Harda, Jabalpur, Khandwa, Neemuch Khargone, Dewas, Raisen (7)	Hoshangabad, Indore Gwalior, Bhopal (4)
End Century	Sidhi, Singrauli, Annuppur, Umaria, Shahdol, Dindori, Panna, Tikamgarh, Morena, Bhind, Ashoknagar, Alirajpur, Mandla, Rajgarh and Chhatarpur (15)	Satna, Rewa, Katni, Sagar, Damoh, Sheopur, Shivpuri, Datia, Guna, Mandsaur, Ratlam, Badwani, Dhar, Jhabua, Rajgarh, Shajapur, Sehore, Vidisha, Seoni Chindwara, Betul Narsinghpur, Burhanpur , Ujjain (24)	Harda, Jabalpur, Khandwa, Neemuch Khargone, Dewas, Raisen (7)	Hoshangabad, Indore Gwalior, Bhopal (4)

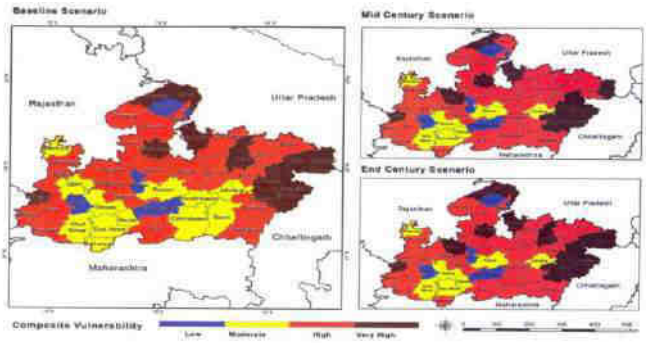


Figure: 3 Composite Vulnerability map showing low, moderate, high and very high cluster of districts in M.P.

Each district has also been given a rank based on the Composite Vulnerable Index. A lower rank denotes low vulnerability, while a higher rank denotes high vulnerability.

3 L2 landscape division selected for project implementation

Impact of climate change on forests of Madhya Pradesh and vulnerability profile of forests of Madhya Pradesh form two very sound criteria for selection of landscapes for Green India Mission. Based upon these two criteria, 18 forest divisions have been shortlisted for implementing activities under GIM.

Table 3: L 2 Landscape selected for project implementation

L1 Landscape	Name	L2 Divisions selected
Landscape (i)	Kymore plateau	1. Satna
Landscape (ii)	Northern Hills Plains	2. Umaria
		3. S. Balaghat
Landscape (iii)	Satpura- Narmada	4. Hoshangabad
		5. South Seoni
		6. North Betul
		7. W. Betul
Landscape (iv)	Vindhya Plateau	8. Raisen
		9. Obedullaganj
		10. Sehore
Landscape (v)	Malwa Plateau	11. Dhar
Landscape (vi)	Nimar- Jhabua Hills	12. Jhabua
		13. Badwani
		14. Sendhwa
Landscape (vii)	Bundelkhand	15. South Sagar
		16. S. Panna
Landscape (viii)	Gird	17. Sheopur
		18. Shivpuri

Within each selected division "watershed" has been taken as unit for selection of L2 (operational unit) & L3 (working unit) landscapes.

4 L2 and L3 level Landscapes selected in each division

Based on ecological importance total 122 milli -watersheds have been selected as L2 Landscapes in above 18 forest division, which form the operational unit of Green India

Table 4: The division wise summary of selected L3 Landscapes

Sr. No.	Division	No. of milli watersheds (L2) selected	No. of Micro watersheds (L3) selected	Area in Ha
1	Satna	4	28	33343.09
2	Umaria	4	24	31919.78
3	S. Balaghat	12	71	74703.37
4	Hoshangabad	5	30	33355.73
5	South Seoni	11	67	75028.4
6	North Betul	4	20	27860.36
7	W. Betul	8	24	29083.2
8	Raisen	10	67	51000.26
9	Obedullaganj	10	57	51350.07
10	Sehore	5	28	27224.82
11	Dhar	3	18	10794.95
12	Jhabua	3	20	20596.94
13	Badwani	3	21	18218.11
14	Sendhwa	2	11	11708.77
15	South Sagar	13	79	71378.77
16	S. Panna	9	64	68068.78
17	Sheopur	8	48	50343.13
18	Shivpuri	8	58	49501
	Total	**122**	**735**	**735479.53**

Thus 735 micro- watersheds have been taken as working unit for Green India Mission implementation.

5. Landscape identification

For the purpose of implementation of Green India Mission in Madhya Pradesh, eight L1 Landscapes have been identified in which total 18 forest divisions covering 15 districts have been selected. In these 18 divisions 122 milli watersheds have been selected as L2 Landscapes and 735 micro watersheds in these L2 Landscapes have been selected as L3 Landscapes

Table 5: Madhya Pradesh Landscape of Green India mission

L1 Landscape	Name	L2 Divisions	No. of milli watersheds as L2 Landscape	No. of micro watersheds as L3 Landscape	Area (Ha)
Landscape (i)	Kymore plateau	Satna	4	28	33343.09
Landscape (ii)	Northern Hills Plains	Umaria	4	24	31919.78
		S. Balaghat	12	71	74703.37
Landscape (iii)	Satpura- Narmada	Hoshangabad	5	30	33355.73
		South Seoni	11	67	75028.4
		North Betul	4	20	27860.36
		W. Betul	8	24	29083.2
Landscape (iv)	Vindhya Plateau	Raisen	10	67	51000.26
		Obedullaganj	10	57	51350.07
		Sehore	5	28	27224.82
Landscape (v)	Malwa Plateau	Dhar	3	18	10794.95
Landscape (vi)	Nimar- Jhabua Hills	Jhabua	3	20	20596.94
		Badwani	3	21	18218.11
		Sendhwa	2	11	11708.77
Landscape (vii)	Bundelkhand	South Sagar	13	79	71378.77
		S. Panna	9	64	68068.78
Landscape (viii)	Gird	Sheopur	8	48	50343.13
		Shivpuri	8	58	49501
Total			**122**	**735**	**735479.53**

6 Use of GIS technique in preparation of perspective plan

For Green India Mission micro-watersheds are to be taken as working units. For the planning of treatment of these working units, it is of paramount importance to know the forest area and

non forest area lying in these working units. It is a tedious task, since both watershed and forest maps are different and held by different agencies of the state government and more over watersheds are not marked on the ground. To overcome this problem, help of Geographical Information System (GIS) technique was taken. The georeferenced digital data of watersheds was obtained from Madhya Pradesh Council of Science & Technology. Madhya Pradesh forest department is pioneer in digitizing forest maps. So, the geographical digital data of forest maps is already available with the department. This data not only shows the forest boundaries but also the density, age, site quality and forest type of the forest resource. After superimposing digital data of watershed over the digital data layer of forest maps, we were able to obtain the forest and non forest area available in each of the micro watersheds. Not only this, the forest compartment wise resource description of each of the micro watershed was also obtained. This data along with the information collected from the field was used in preparation of the perspective plan.

Sr. No.	Submission
1.	Enhancing quality of forest cover and improving ecosystem services
2.	Ecosystem restoration and increase in forest cover
3.	Enhancing tree cover in Urban and Peri Urban areas (including Institutional lands)
4.	Agroforestry and Social forestry (increasing biomass and creating carbon sink)
5.	Restoration of wetlands

7. Submission wise area included in perspective plan: -

Table 6: Madhya Pradesh Sub-mission wise area in perspective plan (Area in ha.)

S. No	Submission	**Total Area under perspective plan**	Area taken up in 2018-19
	Submission 1 (a) Moderately dense forest cover, but showing degradation	142835	4739.00
	Submission 1 (b) Type A Eco restoration of degraded open forest with plenty of root stocks	60191	1563.00
	Submission 1 (b) Type B Eco restoration of degraded open forest with limited root stocks and open blanks	19620	670.00
	Submission 1 (b) Type C Eco restoration of degraded open forest of largely open areas with sparse undergrowth	17789	570.00
	Submission 1 (c) Restoration of grasslands	25562	859.00
	Submission 2 (f) Restoration of abandoned mining area	635	08.00
	Submission 3(a) Plantation in urban and peri urban areas	406	103.00
	Submission 4(a) Agroforestry and social forestry in farmer's land including current fallows	59827	982.00
	Submission 4(b) Agroforestry and social forestry in Shelterbelt plantation	343	15.00
	Submission 4 (c) Agroforestry and social forestry in Highway/Rural roads/canals/Tank Bunds	13142	240.00
	Submission 5 Restoration of wetlands	350	04.00
Total		**340700**	9753.00

Thus 340700 ha. area has been included in the perspective plan which has been prepared for the year 2016-17 to 2020-21. In the first three-year new area will be taken up for creation along with the maintenance from the second year, while in the last two years only the maintenance of the asset thus created shall be done. Due to downward revision of the APO only 9821.00 ha. area was taken up for treatment in the FY 2018-19.

8. Budgetary provision for the Perspective Plan and for the FY 2018-19

In the Implementation Guideline for GIM interventions, submission wise unit cost norm has been calculated taking into account the wage rate as per Rs 100 where as the prevailing wage rate in the state are much more than this. Implementation Guidelines also provide that states are free to upscale the rates based on their prevailing and notified wage rates. Accordingly, the budget for perspective plan has been prepared on the basis of prevailing wage rate i.e.Rs.264/- in the first year and there after with an increase of 10% every year.

Based on these norms the total budget provision for the perspective plan is as follows: -

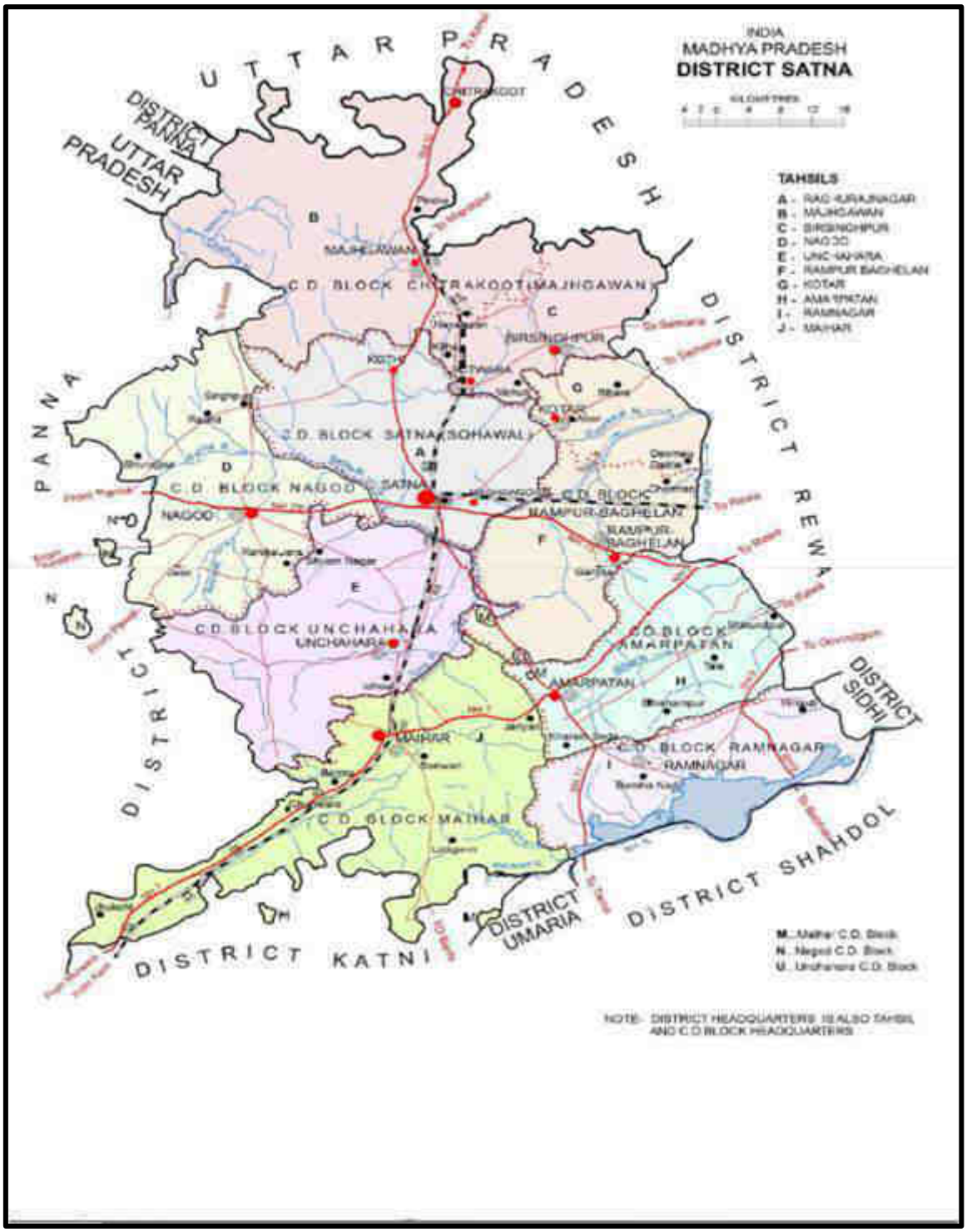
Table 7: Perspective Plan budget provision

Financial Year	Amount (in Rs. Lakhs)			
	Submissions	Energy Saving devices	Supporting Activities	Total
2016-17	28292.58	1094.5	10285.48	39672.58
2017-18	57348.65	905.06	20388.80	78642.50
2018-19	70301.41	744.15	24865.95	95911.51
2019-20	47768.18	587	16924.32	65279.50
2020-21	23596.16	437.38	8411.74	32445.28
Total	**227306.98**	**3768.11**	**80876.28**	**311951.37**

Landscape L 1 wise plans and FY 2018-19 progress given in Chapter 3 to 10.

CHAPTER -3: Landscape details for L 1 Landscape (i)- Kymore Plateau

In L1 landscape (i), Kymore Plateau, Satna district lies in the Vindhyachal mountain range and form a major part of upper vindhyan geological formation.



The altitude varies from 125 meter to 721 meter above mean sea level. Behind the slopes of the Vindhyachal Mountain lies large plain tracts along with lesser altitude hills and valleys. Son, Tamas and Satna are the major rivers that flow through the district. Satna district is falling under the Ganga basin area. The Yamuna, the Tons and the Son are Sub-basins of the Ganga basin, which

are draining the area. Excepting small southern part, the district is mainly drained by river Tons and its tributaries.

Tons is Perennial River, which flows in north and north-east direction. Its main tributaries are westerly flowing Seranji Nala, north-easterly flowing Lilji Nala, Barua Nala and Beehar Nadi, northerly flowing Magardaha Nala, and easterly flowing Satna, Simrawal and Asrawal rivers. The "Paisuni or Mandakni" sacred river, which is tributary of the river Yamuna drains northern part of the district (Chitrakoot area). Southeast part of the district is drained by Son river and its tributaries. The district is also having industrial and mining importance as it is rich in limestone and Bauxite resources. Most of the limestone is used in manufacturing of cement and lime. Agriculture forms the major source of the income in the district. Soil type is predominantly red soil with black soil in patches, lateritic soil at hill tops and alluvial soil near rivers and tributaries. Irrigation facilities in Satna district is not well developed. Only 37 % of net sown area is irrigated and rest of the area is rain-fed. Canal irrigation is negligible. The average annual rainfall is around 1074 mm. The climate of Satna district is characterized by a hot summer with general dryness, except during the south-west monsoon season. Maximum temperature goes up to 480 c with minimum temperature up to 1.70 c during winters.

Terrain of the district is mostly plain and the hilly. Plains are used for agriculture purposes where as hills are predominantly occupied by Forest. The terrain is divided into five major formations-

1. Persamania Pathar
2. Satna -Rewa Pathar
3. Keymore hills
4. Son valley
5. North Vindhyan hills

In Satna district there is only one forest division, namely Satna forest division which has been selected for Green India Mission project.

2.1.1 Forest:

Forest of Satna division is mainly mixed forest with North Tropical Dry Deciduous Mixed forest type. Small patches of Teak and Sal forest are also present. Forest density varies from 0.2 to 0.7. The major species of the forest area are Salai, Moyan, Dhawda, Saja, Achar, Aonwla, Baheda, Chironji, Mahua, Tendu and Palash. The area description of the forest in the division is as follows: -

Table 8: Forest area description in the Satna Forest Division

Reserved forest	Protected forest	Undermarketed area	Total (ha.)
27851.453	198687.537	162.705	226701.695

2.1.2 <u>Wildlife</u>:

Satna forests were once rich in wild life but due to biotic pressure over the period their number is now dwindling. Prominent species which still roam the area are leopard, spotted deer, sambhar, wild boar, sloth bear etc.

2.1.3 Dependence on forest:

There are 1984 revenue villages in the district out of which 814 villages are located within 5 km. radius of the forest. Large number of populations is dependent on forest. According to working plans estimates about 17499 cmt. timber 126758 cmt of fuel wood and 5,10,003 pieces of bamboo are required every year to meet the basic need of the people living within 5 km radius of the forest. Most of the basic requirement of fuel, folder and timber is met through the forest. Thus, a large number of populations are dependent on forest. Due to rich mineral belt, forests are subjected to illegal mining also.

Besides human population the forest of Satna division is subjected to great grazing pressure also. The cattle population of the district is about 1052556 which is equivalent to 1204010 cattle units. The grazing carrying capacity of forest of Satna district is only 337326 cattle units. Thus, the grazing pressure in the district is far more than the carrying capacity of the forest of the district. Since most of the cattle are dependent on forest for their fodder requirement thereby exerting great grazing pressure on the forest.

2.1.4 Joint forest management:

Out of total 1984 villages in the district 814 villages are located within 5 km radius of the forest. To make these villages to actively participate in forest management, total 328 joint forest management committees have been constituted. Since most of the area of the division is understocked area, only village forest committees have been constituted. These Village Forest Committees cover an area of 1169.12 sq km of the forest.

2.1.5 L-2 Landscapes selected in Satna District: -

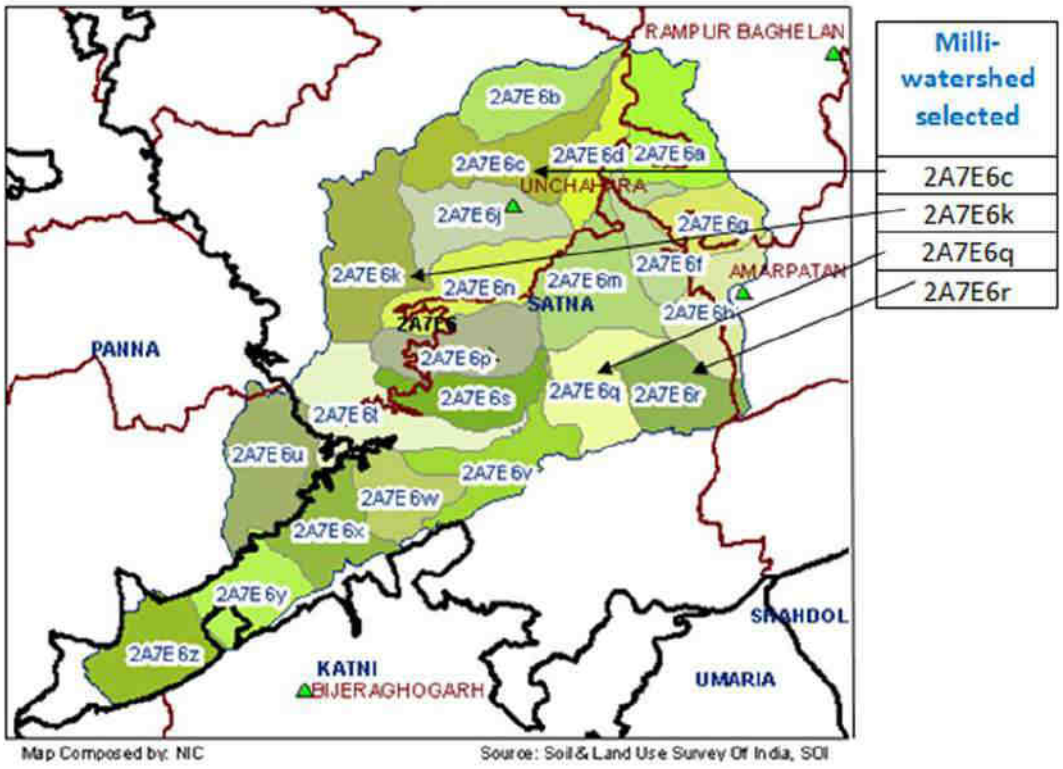
Following milli watershed of Satna division have been selected as L2 landscapes for 2018-19: -

Table 9: Details of Milli-watershed selected in Satna Forest Division

No.	Milli-watershed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2A7E6k	5277.083	2583.636	850.141	8710.86	1562.78	10273.64
Total		5277.083	2583.636	850.141	8710.86	1562.78	10273.64

Thus, the L 2 landscapes selected in Satna district have a total 10273.64 ha. of area. The milli-watershed is the operational unit for implementation of GIM. Selected milli-watersheds possess forest as well as non forest area. The selected milli-watersheds have 09 micro watersheds which have forest as well as non-forest area. The forest area in the milli -watersheds is largely under stocked and blank forest, dense forest is over very little area.

Figure: 4- Details of selected L 2 Landscape: Milli-watershed detail



2.1.6 L3 landscapes selected in Satna Division.

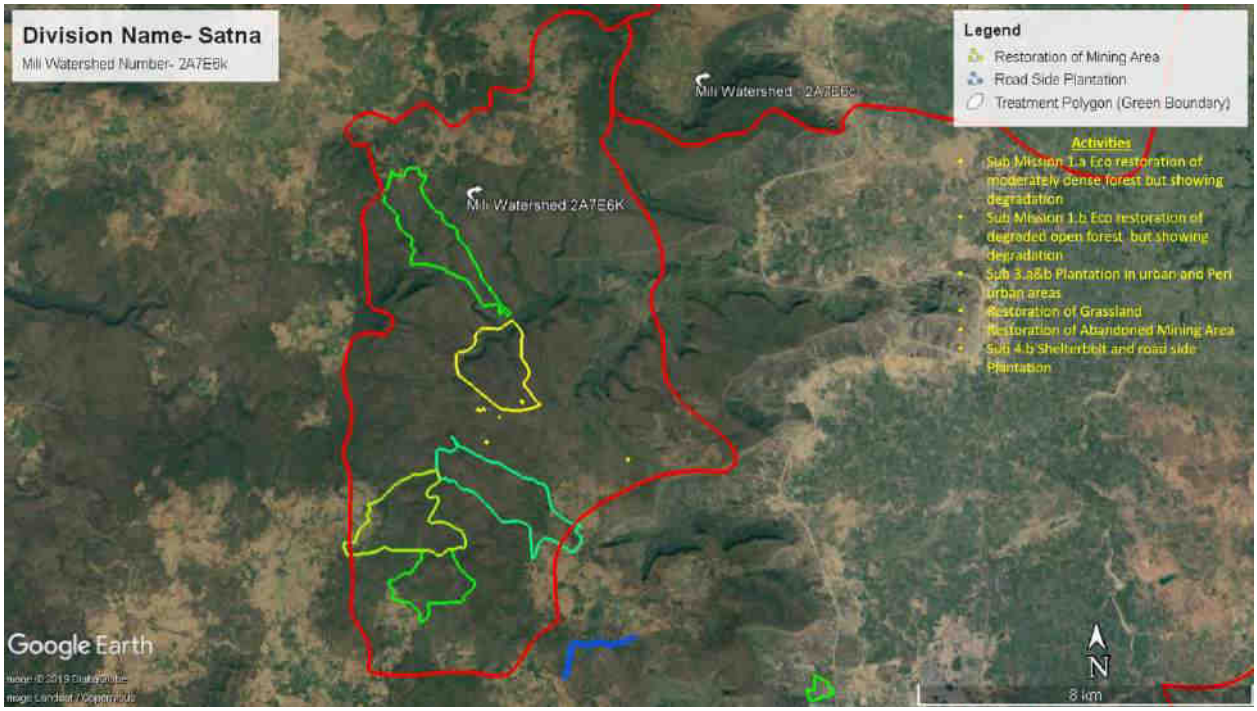
The above milli-watersheds selected as L2 landscapes have further been divided into total 09 micro-watersheds which are the working unit for the GIM. All the micro-watersheds of a particular milli-watershed have been taken up for treatment so that the milli-watershed is completely treated. The milli-watershed wise description of these micro-watersheds is as follows: -

2.1.7 Milli-watershed no. 2A7E6k: -

Table 10: Details of Milli-watershed wise description of micro-watersheds in Satna

No.	Micro-watershed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1	2A7E6k1	284.858	735.834	55.217	1075.909	502.379	1578.288
2	2A7E6k2	334.358	380.037	47.982	762.377	155.68	918.057
3	2A7E6k3	345.343	229.19	65.043	639.576	123.328	762.904
4	2A7E6k4	342.864	207.472	175.325	725.661	292.039	1017.7
5	2A7E6k5	514.578	102.014	11.484	628.076	75.175	703.25
6	2A7E6k6	941.716	258.321	210.657	1410.694	55.391	1466.085
7	2A7E6k7	972.279	65.963	28.049	1066.291	41.457	1107.748
8	2A7E6k8	1001.03	266.328	93.197	1360.555	28.129	1388.684
9	2A7E6k9	540.057	338.477	163.187	1041.721	289.202	1330.923
Total		**5277.083**	**2583.636**	**850.141**	**8710.86**	**1562.78**	**10273.64**

Figure: 5- KML file of the landscape area under treatment



2.1.6 Demography: -

According to Census 2011, the total number villages in the district are 1984, out of which 1799 are inhabited and 185 villages are un-inhabited. There are 10 tahsils, Whereas CD blocks are 8, Majhgawa, Sihawa, Nagod, Unchehara, Rampur-Baghelan, Amarpatan, Ram-nagar and Maihar. Tahsilwise number of villages are Raghurajnagar (264), Nagod (262), Unchehara (235), Rampur-Baghelan (138), Amarpatan (187), Rampur (193), Majhgawan (193), Kotar (87), Birsinghpur (172) and Maihar (253). As Per Urban classification, There are 13(11+2CT) towns in the district. Satna (M.corp.), Maihar (M), Chitrakoot, Birsinghpur, Kothi, Jaitwara, Nagod, Unchehara, Rampur-Baghelan, Kotar and Amerpatan are all the Nagar Panchayat and Madhawgdha), Majhgawan are Census Town. In all the CD blocks headquarters there are 8 Janpad Panchayats at CD block level.

DISTRICT HIGHLIGHTS

- The district occupies 6th place in the state according to population.
- The district occupies 11th rank in the state in terms of area having 7,502 sq.km.
- Which is 2.43 percent of the total area of state.
- Literacy rate of Satna district is 72.3 percent and it occupies 14th position in the
- State. The female literacy rate of the district is 62.5 percent.
- Density wise the rank of the district is 10th in the state.
- Ranking of the district according to the sex-ratio is 30th in the state.
- Female work participation of the district is 29.9 percent of total female
- Population. Rank of the district according to female work participation is 35th.
- Population wise largest village is Deomau Daldal of Kotar tahsil L.C.No.464212
- with 8589 population and there are 7 villages Pati, Dobha, Mukundpur jangal,
- Gidhaulapahad, Gahwara, Majhtolwa and Chatkaula from Maihar tahsil L.C.No

- 463428, 463819, 464406, 464535, 464704, 464768 and 464832 having with
- Population 1 person.
- Population wise largest town is Satna (M Corp+OG) having population 282977
- And smallest is Madhawgdha (CT) with 5249 population.
- Economy of the district is mainly dependent on agriculture and the district is
- Famous for Gramodhay Vishwavidyalaya.

TEMPERATURE

The climate of Satna district is characterized by a hot summer with general dryness, except during the south-west monsoon season. The year may be divided into four seasons. The cold season from December to February is followed by the hot season from March to about middle of June. The period from the middle of June to September is the south-west monsoon season. October and November form the post-monsoon or transition period.

RAINFALL

The normal annual rainfall of Satna district is 1092.1 mm. The district receives maximum rainfall during south-west monsoon period (i.e. June to September) and about 87.7% of annual rainfall is received during this period. Only 12.3% of the annual rainfall takes place between periods October to May. Rainfall forms the sole source of natural recharge to ground water regime and the rain water is available for recharge to ground water is mainly during south-west monsoon period only. The maximum normal annual rainfall received in the district is 1106.5 mm at Satna and minimum is 1056.1 mm recorded at Maihar. The normal maximum temperature observed during the month of May is 41.9º C and minimum during the month of January is 8.7ºC. The normal annual mean maximum and minimum temperature of Satna district are 32.2ºC and 19ºC respectively. During the south-west monsoon season the relative humidity generally exceeds 86% (August month). The rest of year is drier. The driest part of the year is the summer season, when relative humidity is less than 29%. May is the driest month of the year. The wind velocity is higher during the pre-monsoon period as compared to post monsoon period. The maximum wind velocity 9.2 km/ hr observed during the month of June and minimum 2.8km/ hr during the month of November. The average normal annual wind velocity of Satna district is 5.4 km/hr.

As per 2011 census data of the district are as follows: -

Total area of the district		7502.00 Sq Km
Literacy rate		72.26
No. of villages		1,984
No. of households		476,690
Population	Rural	1,754,517
	Urban	474,418
	Total	2,228,935
Population	Male	1,157,495
	Female	1,071,440
	Total	2,228,935
Scheduled caste population		398,569
Scheduled tribe population		319,975

Unchehara:

Unchehara is a town and a nagar panchayat in Satna district. It is a block and one of six tehsils of Satna district. As of 2001 India census, Unchehara had a population of 16,662. Males

constitute 52% of the population and females 48%. Unchehara has an average literacy rate of 65%, higher than the national average of 59.5%: male literacy is 74%, and female literacy is 54%. In Unchehara, 16% of the population is under 6 years of age.
Unchehra Janpad-Panchayat consists of 20 members and its Vikas-Khand consists of 66 Gram-Panchayats which includes a total of 322 villages. Unchehra has its own railway station named Unchehra railway station which comes under Unchehra Tehsil. Work of Unchehra Tehsil started systematically from 2001. In Unchehra, infrastructure and facilities e.g. office block, Tehsil, police-station (under a town Inspector), hospital, Office of Forest Department, post-office, Telecom-Office, waiting rooms at Bus Stand and railway station, schools up to higher secondary, Madhya Pradesh Bhoj university, two Dharmashalas are available for people.

Currently in 2012 National Public High School have been opened in Paprenga village by Kunjraj Shiksha Vikas Samiti, Bihata. Unchehra had been well known for milk product named 'Khova' which is being produced and brought from nearby villages. It is well connected by rail and road transport to major cities like Delhi, Bhopal and Jabalpur.

Brief Profile of Milli-Watershed (2A7E6k):

Table 11 - List of Villages in Satna Forest Division

Divisions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Panchayat	Name of the Committee
Satna	Unchahra	2A7E6k	Uraichua, Gadhota, Basha, Berme, Rampurpatha	419, 420, 421, 425, 384, 385, 441, 427, 464	Rampurpatha Gadhota	uraichua Gadhota Basha Berme Rampurpatha

Table 12 - **The key demographic information of Satna is as below**

	Uraichua	Gadhota	Basha	Berme	Rampur-patha
Total Population	492	426	350	274	712
Male	256	223	182	135	363
Female	236	203	168	139	349
Total Households	101	75	66	49	156
Average members per HHs	4.87	5.68	5.3	5.59	4.56
Child Population (0-6)					
Total Child (0-6years) population	102	88	81	58	91
Male (0-6 years) population	54	57	52	30	43
Female (0-6 years) population	48	31	29	28	48

Sex Ratio

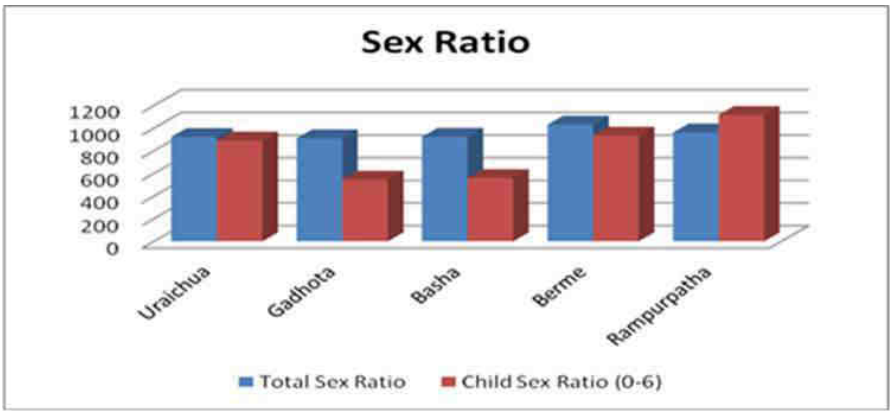
The overall sex ratio of these villages are 949 , which implies that there are 949 females per 1000 males. The child (0-6 years) sex ratio is poorer then overall sex ratio and it is 808 of these villages.

Table 13 - Village wise details of selected areas in Satna are as follows

	Uraichua	Gadhota	Basha	Berme	Rampurpatha
Total Sex Ratio	922	910	923	1030	961
Child Sex Ratio (0-6)	889	544	558	933	1116

(Child sex ratio in Gadhota (544) ad Basha (558) are serious matter of concern in social aspects.)

Figure 6: Sex Ratio



Population composition

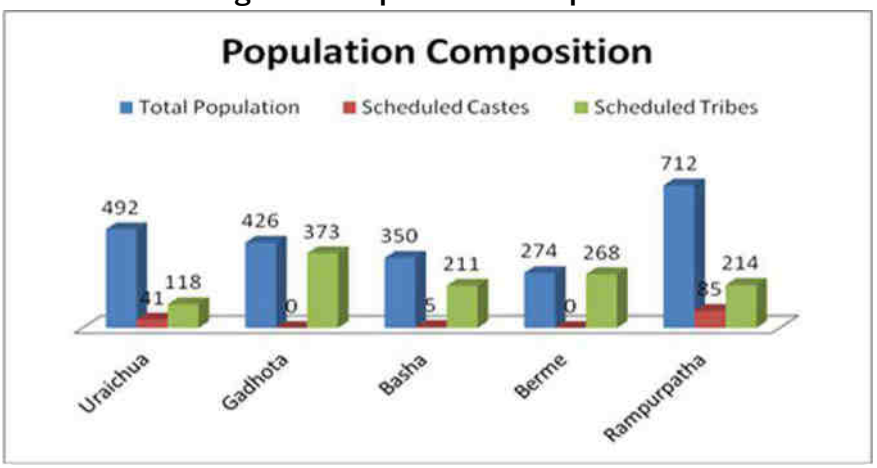
The totals STs Population in these village are 1184, which is 52.53% of the total population.

Berme village has highest percentage of tribal population of 97.81%

Table 14 - Village wise population details of selected areas in Satna are as follows

	Uraichua	Gadhota	Basha	Berme	Rampurpatha
Total Population	492	426	350	274	712
Scheduled Castes	41	0	5	0	85
Scheduled Tribes	118	373	211	268	214

Figure 7: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 54.74 %, in which male literacy is 63.46 % and female literacy is 46.13 % in these villages.

Table 15 - Village wise literacy Details of areas selected in Satna are as follows:

	Uraichua	Gadhota	Basha	Berme	Rampurpatha
Total Literacy	51.28	38.76	63.20	58.80	61.67
Male	62.38	43.37	77.69	68.57	65.31
Female	39.36	34.30	49.64	49.55	57.81

Figure 8: Literacy Rate

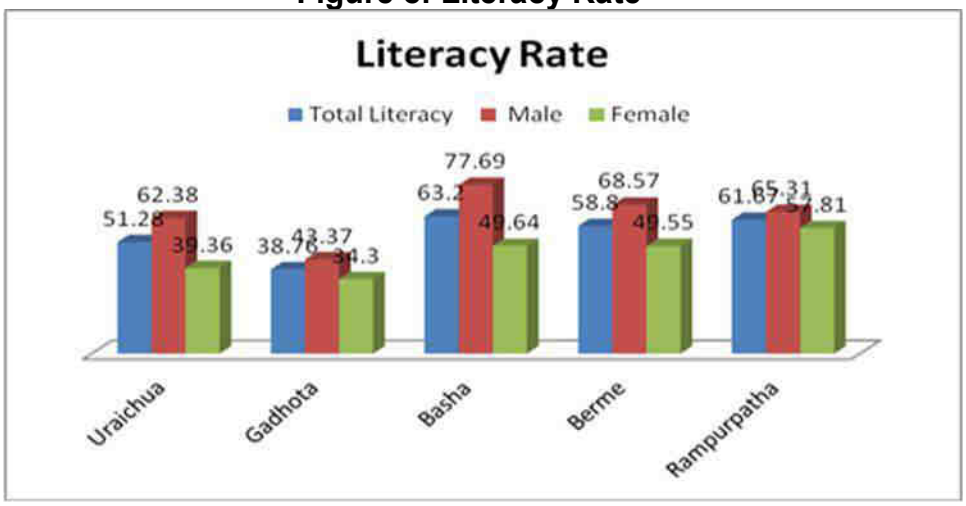


Table 16 - Important Statistics related to works participation in selected areas of Satna

	Uraichua	Gadhota	Basha	Berme	Rampurpatha
Total Workers					
Total	568	147	105	101	319
Males	146	73	75	49	165
Females	122	74	30	52	154
(i) Main Workers					
Total	223	11	55	98	50
Males	121	8	41	49	44
Females	102	3	14	49	6
(ii) Marginal Workers					
Total	45	136	50	3	269
Males	25	65	34	0	121
Females	20	71	16	3	148
Non-Workers					
Total	224	279	245	173	393
Males	110	150	107	86	198
Females	114	129	138	87	195

SECC, 2011

SECC-2011 census aims to rank households. It automatically includes/excludes certain households.

Key Findings of SECC 2011

	Exclusion Criteria
*	Particular
E1	Motorized 2/3/4 wheeler / fishing boat
E2	Mechanized 3-4-wheeler agricultural equipment
E3	Kisan Credit Card - Credit limit Rs. 50000+
E4	Household member government employee
E5	Households with non-agricultural enterprises registered with government.
E6	Any member of HH earning more than Rs.10000 per month
E7	Paying Income Tax and professional Tax
E8	3 or more rooms with Pucca walls and roof
E9	owns a refrigerator
E10	owns a landline phone
E11	owns more than 2.5 acres of irrigated land with 1 irrigation equipment
E12	5 acres or more of irrigated land for two or more crop seasons.
E13	owning at least 7.5 acres of land or more with at least one irrigation equipment
	Automatic Inclusion
AI1	Household with Shelter
AI2	Destitute Households living on alms
AI3	Manual scavengers' households
AI4	Primitive Tribal Group households
AI5	Legally Released Bonded Labour households
	SECC Deprivation Data
D1	Households with only one room, kucha walls and kucha roof
D2	No adult members between ages of 16 and 59
D3	Female headed households with no adult male member between 16 and 59
D4	Households with disabled member and no able-bodied member
D5	SC/ST Household
D6	Households with no literate adult above 25 years
D7	Landless households deriving a major part of their income from manual casual labour

Now for the remaining households (which are not automatically included or excluded) the census will rank them based on 7 Deprivation Indicators are as following.

1. Households with one or less room, kuccha walls and kuccha roof
2. No adult member in household between age 18 and 59
3. Female headed household with no adult male member between 16 and 59
4. Households with differently abled member with no other able-bodied adult member.
5. SC/ST Households
6. Households with no literate adult above age 25 years
7. Landless households deriving a major part of their income from manual labour

Socio Economic and Caste Census (SECC) 2011,
Village wise information of households
Gram Panchayat: Rampur Patha

#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\Mother's Name	Deprivation count	Auto Inclusion\ Deprivation code	Total Members
	Village:Rampur (Patha)							
1	BASANT PRAJAPATI\बसंत प्रजापति	M	57	SC	गुंथा प्रजापति\मालूम नहीं	AI	AI1,--,--,--,--	1
	Village:Badhaw Patha							
2	acchelal\अच्छेलाल	M	32	ST	रघुराज सिंह\प्यारीबाई	2	D1,--,--,--,D5,--,--	4
3	ajmeyar singh\अजमेयर सिंह	M	32	ST	लालन सिंह\सीला बाई	3	D1,--,--,--,D5,D6,--	8
4	amer jeet singh\अमीर जीत सिंह	M	47	ST	भारत सिंह\इन्दी बाई	3	D1,--,--,--,D5,--,D7	6
5	ashok singh\अशोक सिंह	M	32	ST	रणमत सिंह\शान्ति बाई	3	D1,--,--,--,D5,D6,--	4
6	bhailal\भिलाल	M	35	ST	जीवन लाल\गिरजाबाई	3	D1,--,--,--,D5,D6,--	9
7	BHARAT SINGH\भारत सिंह	M	67	ST	बोधन सिंह\-------	3	D1,--,--,--,D5,--,D7	5
8	bimal singh\विमल सिंह	M	47	ST	मरू सिंह\सरोज बाई	3	D1,--,--,--,D5,--,D7	9
9	BRIJLAL\बृज लाल	M	32	ST	परम लाल\झुल्ली बाई	3	D1,--,--,--,D5,--,D7	5
10	chunbadi singh\चुन्बाई सिंह	F	32	ST	हनुमान\स्यम्बाई	4	D1,--,D3,--,D5,D6,--	2
11	darwari singh\दरवारी सिंह	M	61	ST	गोरेलाल\कमलाबाई	3	D1,--,--,--,D5,--,D7	5
12	DASHRATH\दशरथ	M	37	ST	बृजभान02\भारतीय	2	D1,--,--,--,D5,--,--	4
13	DILIP SINGH\दीलीप सिंह	M	32	ST	बेटू\---------	3	D1,--,--,--,D5,--,D7	4
14	dindayal singh\दीनदयाल सिंह	M	30	ST	गल्वल सिंह\रामबाई	4	D1,--,--,--,D5,D6,D7	3
15	DULARI BAI\दुलारी बाई	F	62	ST	मूरत सिंह\मालूम नहीं	4	D1,--,--,--,D5,D6,D7	2
16	durjan singh\दुर्जन सिंह	M	25	ST	रणजीत सिंह\सिद्धि बाई	3	D1,--,--,--,D5,D6,--	2
17	gajraj singh\गजराज सिंह	M	32	ST	गणेश सिंह\दुलारी बाई	2	D1,--,--,--,D5,--,--	4

2.1.7 Reason for selection of L2 landscapes: -

- Selected L2 are present in Kymore plateau, the landscapes support a wide variety of flora. The floristic composition of vegetation of the area comprises of different species of trees, shrubs, herbs and grasses constituting different layers of habitat suitable for different faunal species. The rich habitat favors population of wild animals.

- Forest of Satna district contributes to the catchment area of Son, Tamas and Satna rivers that flow through the district and are part of the Ganga basin area

- Majority of tribal population, mainly Gonds, is dependent on Forest resources.

- Biodiversity rich area subject to degradation. Most of the forest area is understocked and subject to great biotic pressure. Selected area is degrading fast due to excessive biotic pressure. Degradation is leading to fragmentation of previously intact forest cover. The little dense area is also under severe pressure and require immediate attention.

- The plan area is susceptible to the fire for a great extent every year from month of February to middle June during Mahua flowers collection by the villagers and forest dwellers.

- Anthropogenic activities- Illegal tree felling and encroachment are main human caused damages in addition to local traditional practices of minor forest produce collection by the villagers in non sustainable manner. Due to rich mineral belt forests are subjected to illegal mining also.

- Excessive grazing pressure is affecting natural regeneration in the forest.

2.1.8 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Plantation activities will be taken up in the degraded and under stocked forest area apart from soil and moisture conservation work in these areas to improve the area under forest cover.

- Moderately dense forests will be treated and protected so as to improve the quality and productivity of the forests.

- Grazing will be regulated and native fodder species would be planted so as to reduce the biotic pressure on the forests.

- Agro-forestry activities shall be taken up in 5465 Ha. non forest area so as to reduce burden on the forest land.

- Livelihood activities for the local communities will be taken up.

- Use of alternative energy sources like solar lighting, biogas, etc. would be encouraged among the villagers so as to reduce their dependency on forests for fuel wood.

2.1.9 Proposed interventions: -

- Strengthening of Forest Establishment and JFMCs by organizing JFMC level and Division level workshops, training and awareness generation programs. Training will be provided to field staff and members on PRA micro-planning, watch and ward activities on establishing convergence.

- Capacity building of JFMC members. Young and educated youth will be selected from JFMCs and they will be trained in account keeping and forest management aspects so that they act as community foresters. These community foresters will assist the forest staff in implementation of Green India Mission activities.

- Protection and maintenance activities-The maintenance and protection of existing forest cover is as much important as the encouraging new plantation and treatment of degraded area. JFMC members shall be trained in protection and management activities so that they provide timely help to the forest staff in managing these activities. Fire protection measures shall be taken up.

2.1.10 Cross cutting interventions proposed: -

To reduce the consumption of forest produce, fuel-wood efficient devices shall be introduced and measures shall be taken up to promote alternative energy sources. Distribution of fuel wood efficient devices, promotion of solar devices, Bio-gas plants depending on the need will be facilitated in the selected area.

2.1.11 Livelihood improvement activities proposed: -

Assistance shall be provided in livelihood improvement activities like Dairy farming, Poultry farming, NTFP based livelihood activities. Various trainings including training on non destructive harvesting of minor forest produce shall be provided.

2.1.12 FY 2018-19 physical and financial progress as per budget allotment: -

Under different submissions of Green India Mission, following progress in FY 2018-19 is made in L 1 Landscape (i):-

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	SATNA				Kymore	
				Target		Achievement		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600						
		a) Advance Work	15840	178	28.12	178	13.50	178	13.50
		b) Creation	13860	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00
		Total		**178**	**28.12**	**178**	**13.50**	**178**	**13.50**
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00
		a) Advance Work	16896	132	22.22	132	12.00	132	12.00
		b) Creation	14784	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00
		Total		**132**	**22.22**	**132**	**12.00**	**132**	**12.00**
		Type B- with limited root stock and open blanks	79200	0	0.00	0	0.00	0	0.00
		a) Advance Work	31680	10	3.17	10	3.00	10	3.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00
		Total		**10**	**3.17**	**10**	**3.00**	**10**	**3.00**
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00
		a) Advance Work	52800	51	26.93	51	17.00	51	17.00

		b) Creation	46200	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00
		Total		**51**	**26.93**	**51**	**17.00**	**51**	**17.00**
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00
		a) Advance Work	36960	0	0.00	0	0.00	0	0.00
		b) Creation	32340	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	a) Rehabilitation of Shifting Cultivation Areas		79200	0	0.00	0	0.00	0	0.00
		a) Advance Work	31680	0	0.00	0	0.00	0	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
	b) Restoring Scrublands		132000	0	0.00	0	0.00	0	0.00
		a) Advance Work	52800	0	0.00	0	0.00	0	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**

	c) Restoring/ planting Sea-buckthorn		264000	0	0.00	0	0.00	0	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
	d) Restoration of Mangroves		184800	0	0.00	0	0.00	0	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
	e) Ravine reclamation		184800	0	0.00	0	0.00	0	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
Sub Mission 2: Ecosystem restoration and increase in forest cover	**:toration of adandoned mining area**		264000	0	0.00	0	0.00	0	0.00
		a) Advance Work	105600	5	5.28	5	4.50	5	4.50
		b) Creation	92400	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00

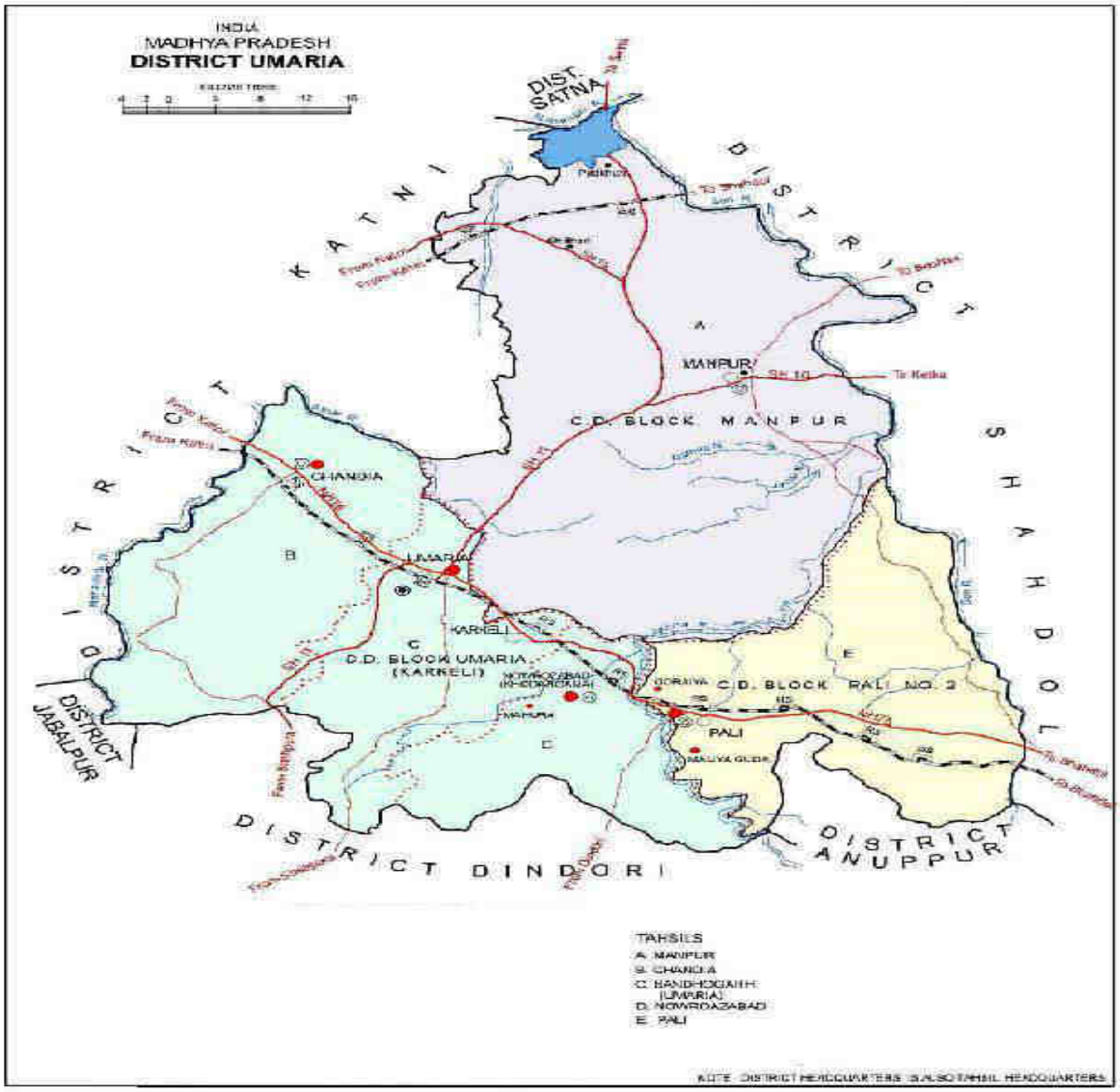
	f) Res	III Year	13200	0	0.00	0	0.00	0	0.00
		Total		**5**	**5.28**	**5**	**4.50**	**5**	**4.50**
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	a) Plantation in Urban & Peri-urban areas		264000	0	0.00	0	0.00	0	0.00
		a) Advance Work	105600	20	21.12	20	5.50	20	5.50
		b) Creation	92400	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00
		Total		**20**	**21.12**	**20**	**5.50**	**20**	**5.50**
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	a) Farmer's land including current fallows	Farmer's land	52800	0	0.00	0	0.00	0	0.00
		a) Advance Work	21120	183	38.66	183	18.50	183	18.50
		b) Creation	18480	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00
		Total		**183**	**38.66**	**183**	**18.50**	**183**	**18.50**
	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00
		b) Creation	73920	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00
		II Year	16896	0	0.00	0	0.00	0	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00
		a) Advance Work	73920	33	24.03	33	11.55	33	11.55
		b) Creation	64680	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00
		Total		**33**	**24.03**	**33**	**11.55**	**33**	**11.55**
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0	0.00	0	0.00

		a) Advance Work	63360	0	0.00	0	0.00	0	0.00
		b) Creation	55440	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00
		II Year	12672	0	0.00	0	0.00	0	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	**19**	**0.61**	**0**	**0.00**	**0**	**0.00**
Total A				**611**	**170.14**	**612**	**85.55**	**612**	**85.55**
Activities Cost				0	0.00	0	0.00	0	0.00
Research (2% of A)				0	3.40	0	2.00	0	2.00
Publicity/Media/outreach activities (1% of A)				0	1.70	0	0.50	0	0.50
Monitoring and Evaluation (1% of A)				0	1.70	0	0.50	0	0.50
Livelihood improvement activities, (17% of A)				0	28.92	0	10.00	0	10.00
Strengthening local-level institutions (5 % A)				0	8.51	0	4.00	0	4.00
Strengthening FDs (5% A)				0	8.51	0	4.00	0	4.00
Mission Organisation, operation and maintenance,				0	6.81	0	2.00	0	2.00
Total B				**0**	**59.55**	**0.00**	**23.00**	**0.00**	**23.00**
Grand Total (A+B)				**611**	**229.69**	**612**	**108.55**	**612**	**108.55**

Chapter 4: 4.1- Landscape details for L 1 Landscape (ii)- Northern Hills Plains: Umaria Forest Division

In L1 (ii) Northern Hills Plains landscape, Umaria and South Balaghat Forest Divisions are selected under the Green India Mission.

Umaria district lies in eastern part of Madhya Pradesh. The district lies between north latitudes 23° 05' and 24° 20' and east longitudes 80° 40' and 81° 17'.



Umaria district is one of the newly formed districts of Vindhyan region. Umaria district is full of natural resources. About 52 % of the area is covered with forest and it is abundant in mineral resources also. The most important mineral found in the district is coal and as a result 8 mines are being operated by South Eastern Coalfield Limited in the district. Coal based power plant is also located at Pali-Birsinghpur in the district having 840 Mega Watt Power Generation capacity.

The entire Umariya district is falling under Son sub basin area of the Ganga basin. The main river of the district is the Son which flows from south -west to north- east direction and forming district

boundary between Shahdol and Umariya district. The Son or Survarna means the gold, is one of the biggest tributaries of the river Ganga, and it is considered as sacred river. The river Son originates from Son kund from Amarkantak plateau, located in Anuppur district of Madhya Pradesh. Rivers Johila and Chhoti Mahanadi are main tributaries of Son river in Umariya district. The Johila which is the most important tributary of the Son in the Umariya district also originates from Amarkantak plateau (Maikhal range) in Anuppur district and flows to north East direction up to Pali and turns to the north until it meets the Son. The Chhoti Mahanadi is also important tributary of the river Son and it is forming western boundary between Umariya and Katni districts and it merges with Son on northern part of the district. Chhoti Mahanadi originates from Tordara from Satpura hills of Dindori district. Important tributary of Chhoti-Mahanadi river in Umariya district is Umrar river which drain north central part of the area, and flows in north west direction and joins Chhoti Mahanadi river near village Pipariya-kalan in Katni district. Thus Umaria division possesses two confluences of major rivers. The first one is confluence of son and Johila river and other one is confluence of Chhoti Mahanadi, Bhadar and Son River. These areas make the extensive river valley area in the division.

The Climate of this district is characterized by a hot summer and general dryness, except during southwest monsoon season. Average daily temperature varies from 8.50 0 c in winter to 41.260 c in summer. The average annual rainfall of Umaria district is about 1248.8 mm. The main soil type is black soil, red soil, sandy and alluvial soil. The altitude in the district varies from 375 meter above mean sea level to 1075 meter above mean sea level. The terrain can be divided into hilly area, river valley area and plain. The mountain ranges of Maikal hills form the southern part of the district.

In Umaria district there is Umaria territorial forest division, Bandhavgarh National Park and Forest Development Corporation Division out of which Umaria forest division has been selected for Green India Mission.

2.2.1 Forest: -

The geographical area of Umaria district is 4076 sq. km. out of which 2325 sq. km. is forest area which means 57.04% of the geographical area of the district is under forest. Various administrative unit wise distribution of forest area in the district is as follows: -

Table 17: Umaria Forest Division- Administrative unit wise distribution of forests

S. No.	Administrative unit	Area(sq. km)
	Umaria forest division	1413
	Bandhavgarh Tiger Reserve	409
	Panpatha Sanctuary	246
	Forest Dev. Corporation	257
Total		2325

It is evident from above figure that Umaria district is rich in biodiversity and Umaria forest division constitutes the major portion of this bio diversity. Forests of Umaria division are mainly Tropical Mixed Dry Deciduous and Tropical Dry Teak forest. The major forest type is Teak, Sal

and Mixed forest. The main species of the forest are Teak, Sal, Saja, Tendu, Baheda, Bamboo, Dhawada, Mahua, Aonwla, Achar, Palash, etc. Forest density varies from 0.4 t 0.8.

The area wise distribution of forest in Umaria Division is as given below: -

Table 18: Umaria Forest Division- Area wise distribution of forests

Reserved forest	Protected forest	Total (ha.)
84193.76	57106.99	141300.75

2.2.2 Wild life: -

The district has extensive forests. Umaria forest division possesses very good dense forest which is home to variety of wild animals. The famous Bandhavgarh Tiger Reserve is also located in Umaria District. The main animal species found in the forest area are Tiger, Leopard, Hyena, Wolf, Jackal, Spotted Deer, Neelgai, Chinkara and Sloth bear etc.

2.2.3 Dependence on forest: -

Umaria district is basically a forest dominant district where 57% of the geographical area of the district is under forest. Thus, a large number of populations depends on forest for their basic needs. There are 594 revenue villages in the district out of which 589 villages are located within 5 km. radius of the forest. This is a clear indication of the deep relationship of the people of the district with forest. About 82% of the population lives in rural area which is dependent on forest to meet their basic requirement of fuel, fodder and small timber.

The cattle population of the district is about 356795 which makes 361971 cattle units whereas the grazing carrying capacity of Umaria forest division is only 148308 cattle units. The practice of stall feeding is not prominent in the district and most of the cattle depend on forest to meet their fodder requirement. Thus, there is great grazing pressure on the forest of Umaria forest division. As per working plan estimate a total 22500 cmt. Timber, 248093cmt fuel wood and 1773319 pieces of bamboo are required to meet the annual demand of the district. People depend on forest to meet this demand.This describes the tremendous pressure being faced by the forests of the Umaria district.

2.2.4 Joint Forest Management: -

Almost all the revenue villages in the district are located in the periphery of 5 km. from forest boundary. The activities of these villages have a major impact on the forest. To seek active participation of these villages 267 forest committees have been constituted in the division out of which 120 are village forest committees, 86 are forest protection committees and 61 are eco development committees. Eco development committees have been constituted in the villages near protected areas. Total 1283 sq. km. of the division has been brought under joint forest management.

2.2.5 L-2 Landscapes selected in Umaria District: -

Following 02 milli-watersheds of Umaria division have been selected as L2 landscapes for 2018-19:-

Table 19: Umaria Forest Division- Selected Milli-watershed details

No.	Milli-water-shed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
	2A6H4d	9175.801	391.624	85.978	9653.403	1737.698	11391.1
	2A6H4u	297.376	724.626	580.537	1602.539	5152.576	6755.115
Total		9473.177	1116.25	666.515	11255.942	6890.274	18146.215

Thus these 02 L2 landscapes have a total area of 18146.215 ha. Since Umaria division possesses very good forest, the largest part of the area selected is moderately dense forest. These 02 milli-watersheds are the operational units for implementation of GIM. Selected milli watersheds possess forest as well as non forest area. These 02 milli watersheds have 13 micro watersheds out of which all the 13 micro watersheds have forest as well as non forest area. The forest area in the milli - watersheds is largely moderately dense forest.

Figure:9- L 2 landscape Milli-watershed details

2.2.6 L3 landscapes selected in Umaria District: -

The 02 milli-watersheds selected as L2 landscapes comprises of 13 micro-watersheds out of which 03 are the working unit of the GIM. Most of the micro-watersheds of a particular milli-watershed have been taken up for treatment so that the milli-watershed is properly treated. The milli-watershed wise description of these micro-watersheds is as follows: -

2.2.6.1 **Milli-watershed no. 2A6H4d: -**

Table 20: The micro-watersheds selected in the 2A6H4d milli-watershed are: -

No.	Micro-water-shed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2A6H4d1	661.124	23.347	11.117	695.588	74.744	770.332
2.	2A6H4d2	1105.435	9.861	27.734	1143.03	635.189	1778.219
3.	2A6H4d3	1050.453	49.883	6.592	1106.928	56.647	1163.575
4.	2A6H4d4	1450.64	41.962	0	1492.602	24.886	1517.488
5.	2A6H4d5	1188.499	36.775	0	1225.274	24.303	1249.577
6.	2A6H4d6	823.509	36.663	0.139	860.311	85.056	945.367
7.	2A6H4d7	1713.501	116.006	0	1829.507	7.401	1836.908
8.	2A6H4d8	1182.64	77.127	40.396	1300.163	829.472	2129.635
Total		9175.801	391.624	85.978	9653.403	1737.698	11391.1

2.2.6.2 **Milli-watershed no. 2A6H4u**: -

Table 21: The micro-watersheds selected in the 2A6H4u milli-watershed are: -

No.	Micro-water-shed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2A6H4u1	0	20.981	11.334	32.315	978.062	1010.377
2.	2A6H4u2	0	93.04	276.945	369.985	640.352	1010.337
3.	2A6H4u3	0	92.623	169.204	261.827	1160.354	1422.181
4.	2A6H4u4	280.919	382.867	22.975	686.761	1539.944	2226.705
5.	2A6H4u5	16.457	135.115	100.079	251.651	833.864	1085.515
Total		297.376	724.626	580.537	1602.539	5152.576	6755.115

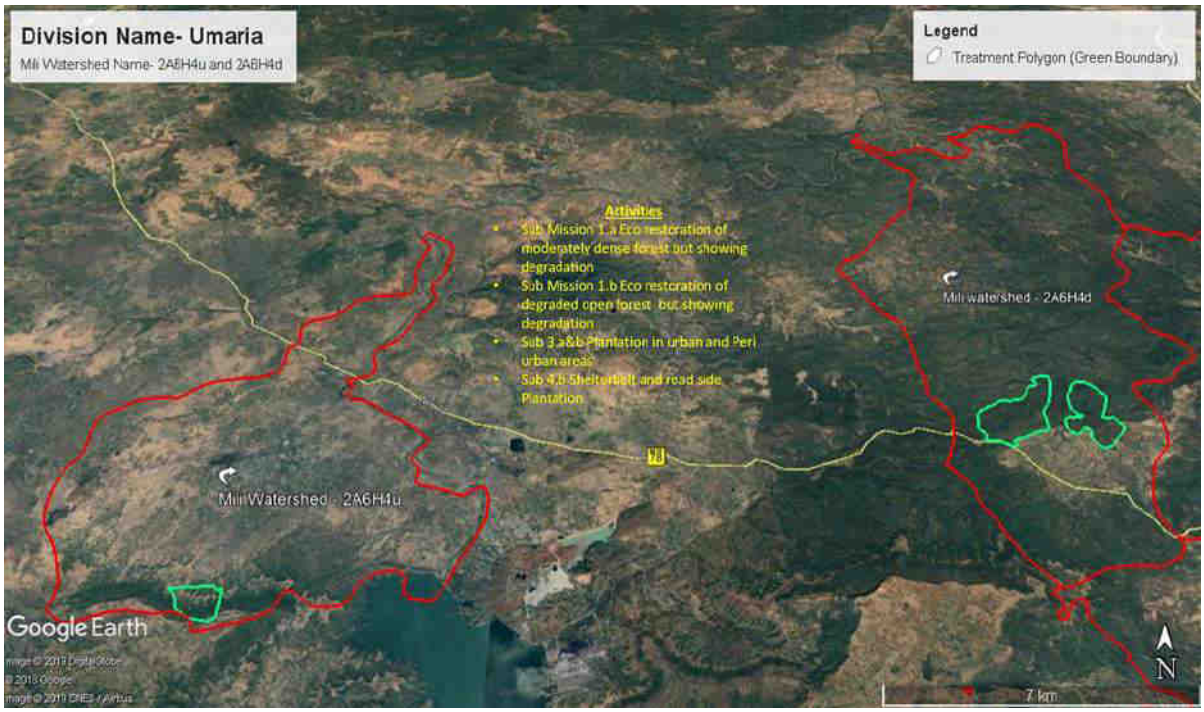


Figure: 10- KML file of the L 3 landscape under treatment

2.2.7 Demography: -

Umaria district is located in the North-East of Madhya Pradesh. The district extends from 230 38' to 240 20' North longitudes and 800 28' to 820 12' East latitudes. The height of the district is 487.95 meters from sea level. The district is surrounded by five districts Shahdol in the east, Katni in the west, two districts Satna and Rewa located in the north and Dindori district in the south. The length of the district is about 150 km. from east to west. The total geographical area of the district is 4076 sq.kms. Proportion of the area is 1.32% of total area of the state and it ranked at 41 among the districts in term of area. The district may be divided into three physiographic divisions. They are:

(1) The Maikal Range.

(2) The hills of eastern Plateau

(3) The upper son valley

TEMPERATURE

There is a meteorological observatory in the district at Umaria. The record of this station may be taken as representative of the meteorological conditions prevailing in the district in general. From the end of February, there is a rapid increase of noon temperature. May is the hottest month during the summer, the day temperature rises up to over 43.90 C. With the onset of the monsoon by about second week of June, There is an appreciable drop in temperature. After the withdrawal of the monsoon by about the end of September, the day temperature remains at about the same level in October. After October, both day and night temperatures decrease rapidly. January is the coldest month. The district is affected by cold waves and minimum temperature may occasionally drop down to about the freezing point of water. The average maximum temperature of the district is 37.100 C and minimum 14.450 C.

Source: District Statistical Hand Book 2012

RAINFALL

The average annual rainfall in the district is 811.56mm. Maximum annual rainfall in the district is received during the South-west monsoon months from June to September. The rainiest months being July and August, winds are generally light over the district. The winds blow mainly from the direction between north-west and south-west during May and the south-west monsoon season. The winds are mostly calm or light and variable in direction in the Post monsoon and cold seasons.

Source: District Statistical Hand Book 2012

As per 2011 census data of the district are as follows: -

Total area of the district		4076.0 Sq Km
Literacy rate		65.9
No. of villages		653
No. of households		145024
Population	Rural	534214
	Urban	110544
	Total	644758
Population	Male	330674
	Female	314084
	Total	644758
Scheduled caste population		58147
Scheduled tribe population		300687

Pali:

Pali is a Town in Pali Tehsil in Umaria District of Madhya Pradesh State, India. It belongs to Shahdol Division. It is located 32 KM towards East from District headquarters Umaria. It is a Tehsil head quarter. Maliyagudha (3 KM) , Mudariya (5 KM) , Beli (10 KM) , Sastra (11 KM) , Patapara (11 KM) are the nearby Villages to Pali. Pali is surrounded by Karkeli Tehsil towards west, Umaria Tehsil towards west, Shahdol Tehsil towards East, Manpur Tehsil towards North. Pali, Nowrozabad, Shahdol, Umaria are the nearby Cities to Pali. Pali Tehsil of Umaria district has total population of 107,659 as per the Census 2011. Out of which 55,163 are males while 52,496 are females. In 2011 there were total 24,503 families residing in Pali Tehsil. The Average Sex Ratio of Pali Tehsil is 952.

As per Census 2011 out of total population, 32.5% people lives in urban areas while 67.5% lives in the rural areas. The average literacy rate in urban areas is 81.3% while that in the rural areas is 59.6%. Also, the Sex Ratio of Urban areas in Pali Tehsil is 920 while that of rural areas is 967.

Brief Profile of Milli-Watershed (2A6H4d):

Table 22 - List of Villages selected in Umaria

Division Name	Name of the Range	Milli Water Shade Code	Name of Villages In-cluded in Water shade	Compartment No.	Gram Pan-chayat	Name of the Committee
Umaria	Ghunghuti	2A6H4d	Ghunghuti		Ghunghuti	Ghunghuti, Bahnara, Neusa
			Bijaora		Bhaotrai	
			Bhaghnara			
			Neusa,			
			Gandhigram		(Data Not found in census2011)	

Table 23 - The key demographic information of Umaria is as below

	Ghunghuti	Bhaghnara	Neusa	Bijaora	Bhaotra
Total Population	2088	435	329	480	751
Male	1107	233	170	251	388
Female	981	202	159	229	363
Total Households	541	101	78	101	173
Average members per HHs	3.9	4.3	4.2	4.8	4.3
Child Population (0-6)					
Total Child (0-6years) population	269	56	30	89	139
Male (0-6 years) population	152	26	20	45	77
Female (0-6 years) population	117	30	13	44	62

Sex Ratio

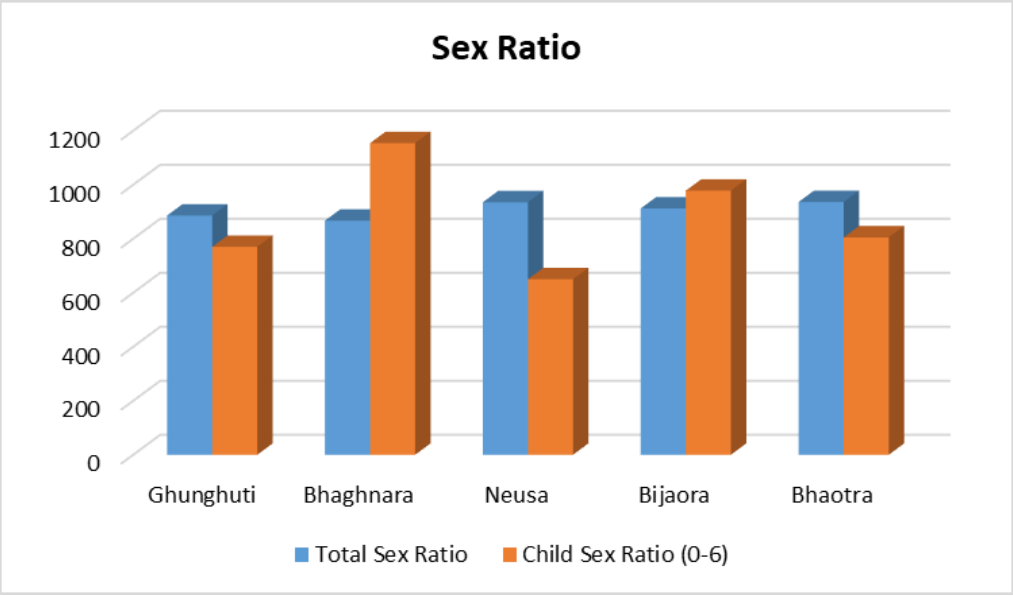
The overall sex ratio of these villages are 907 , which implies that there are 907 females per 1000 males. The child (0-6 years) sex ratio is poorer then overall sex ratio and it is 871 of these villages.

Table 24 – Umaria Village wise sex ration of selected areas details are as follows

	Ghunghuti	Bhaghnara	Neusa	Bijaora	Bhaotra
Total Sex Ratio	886	867	935	912	936
Child Sex Ratio (0-6)	770	1154	650	978	805

(Child sex ratio in Neusa (650) Ghunghuti (770) and Bhaotra (805) are serious matter of concern in social aspects.)

Figure 11: Sex Ratio



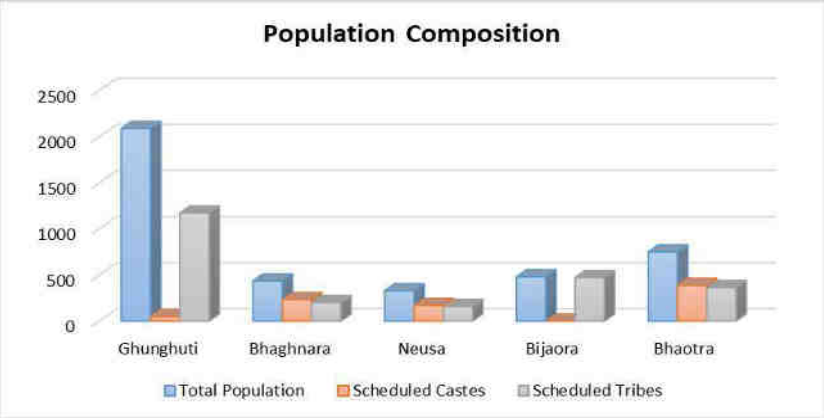
Population composition

The totals STs Population in this village are 2369, which is 58.02% of the total population. Bijaora village has highest percentage of tribal population of 98%.

Table 25 – Umaria Village wise details of selected areas are as follows

	Ghunghuti	Bhaghnara	Neusa	Bijaora	Bhaotra
Total Population	2088	435	329	480	751
Scheduled Castes	49	233	170	0	388
Scheduled Tribes	1173	202	159	472	363

Figure 12: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 61 %, in which male literacy is 73 % and female literacy is 48 % in these villages.

Table 26 – Umaria Village wise Details are as follows:

	Ghunghuti	Bhaghnara	Neusa	Bijaora	Bhaotra
Total Literacy	64.0	64.64	59.80	58.82	57.84
Male	70.79	79.71	70.67	76.70	68.17
Female	57.52	46.51	48.63	38.92	47.18

Figure 13: Literacy Rate

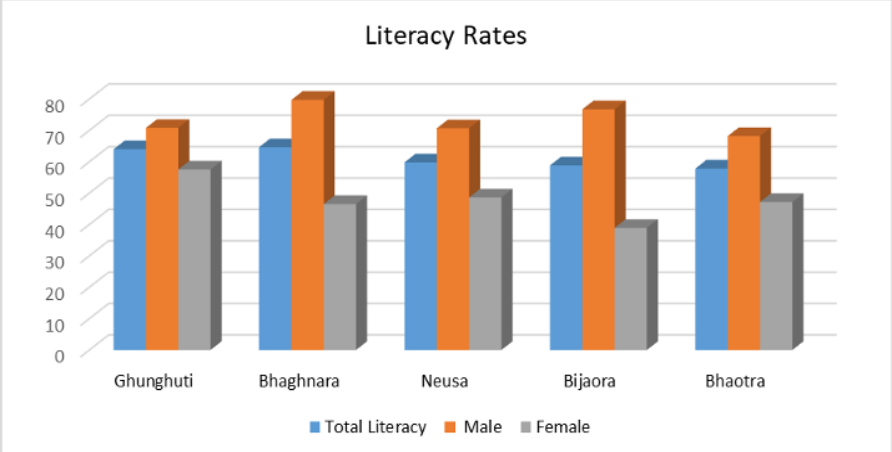


Table 27 - Important Statistics relating to works participation Umaria

	Ghunghuti	Bhaghnara	Neusa	Bijaora	Bhaotra
Total Workers					
Total	1058	218	311	161	374
Males	655	111	158	137	217
Females	403	107	153	24	157
(i) Main Workers					
Total	601	218	0	138	374
Males	446	111	0	125	217
Females	155	107	0	13	157
(ii) Marginal Workers					
Total	457	217	311	23	0
Males	209	110	158	12	0
Females	248	107	153	11	0
Non-Workers					
Total	1030	217	18	319	377
Males	452	122	12	114	171
Females	578	95	6	205	206

Brief Profile of Milli-Watershed (2A6H4u):

Table 28 - List of Villages Umaria

Division Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Pan-chayat	Name of the Committee
Umaria	Ghunghuti	2A6H4u	Pinaura		Amadongari	Amadongari, Patpara
			Amadongri		Chadakala	
			Behrde			
			Patpara			
			Belapani		(Data Not found in cen-sus2011)	

Table 29 - The key demographic information of Umaria is as below

	Pinaura	Amadongri	Behrde	Patpara
Total Population	2333	1828	865	1421
Male	1228	921	471	707
Female	1105	907	394	714
Total Households	508	414	190	324
Average members per HHs	4.6	4.4	4.6	4.4
Child Population (0-6)				
Total Child (0-6years) population	333	361	153	234
Male (0-6 years) population	174	177	81	119
Female (0-6 years) population	159	184	72	115

Sex Ratio

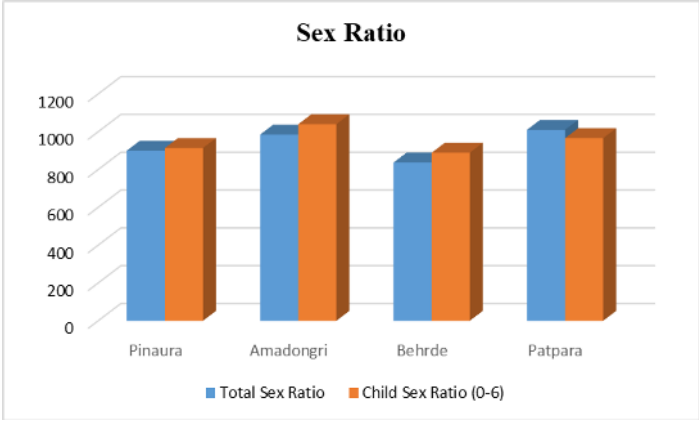
The overall sex ratio of these villages are 933 , which implies that there are 933 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 952 of these villages.

Table 30 – Umaria: village wise details are as follows

	Pinaura	Amadongri	Behrde	Patpara
Total Sex Ratio	900	985	837	1010
Child Sex Ratio (0-6)	914	1040	889	966

(Child sex ratio in Behrde (889) and Patpara (914) are serious matter of concern in social aspects.)

Figure 14: Sex Ratio



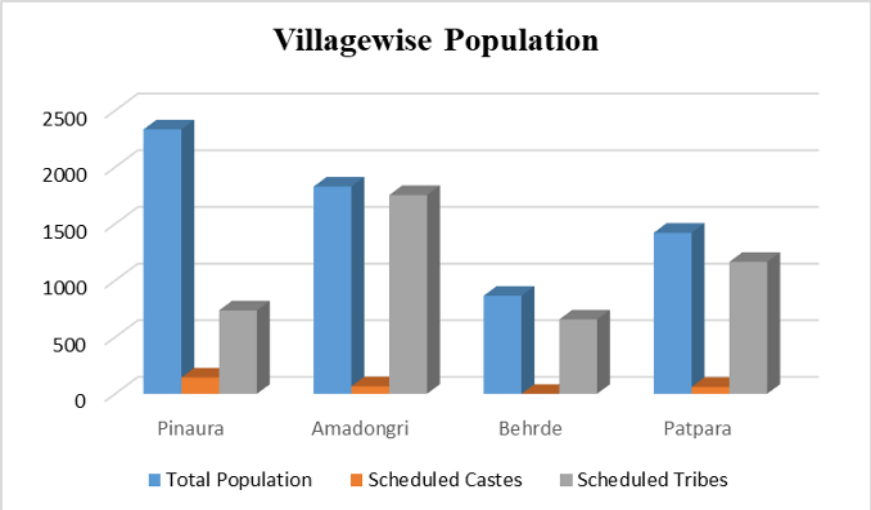
Population composition

The totals STs Population in these village are 4309, which is 66.8% of the total population. Amadongri village has highest percentage of tribal population of 95.9%.

Table 31 – Umaria- selected area Village wise population details are as follows

	Pinaura	Amadongri	Behrde	Patpara
Total Population	2333	1828	865	1421
Scheduled Castes	143	66	0	61
Scheduled Tribes	736	1753	656	1164

Figure 15: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 56 %, in which male literacy is 65.43 % and female literacy is 47.22 % in these villages.

Table 32 – Umaria literacy Village wise Details are as follows:

	Pinaura	Amadongri	Behrde	Patpara
Total Literacy	70	47	45.93	63.02
Male	79	57	53.08	72.62
Female	61	37	37.27	53.59

Figure 16: Literacy Rate

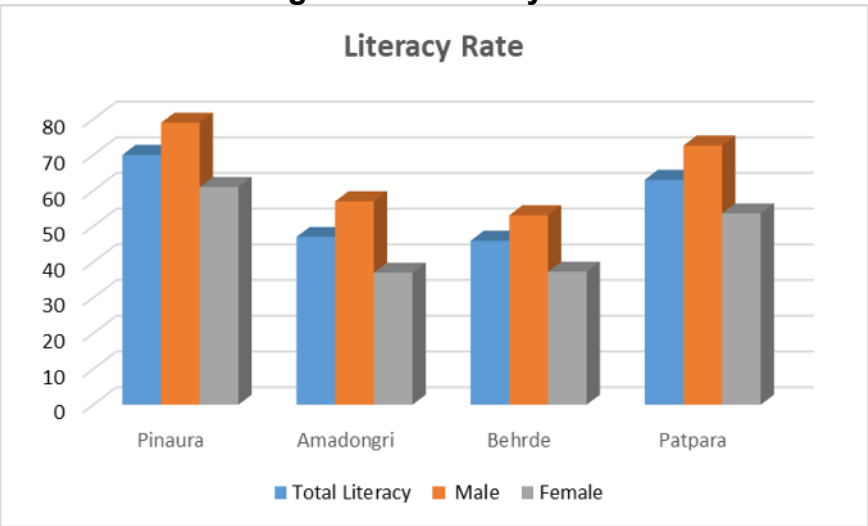


Table 33 – Umaria Important Statistics relating to works participation

	Pinaura	Amadongri	Behrde	Patpara
Total Workers				
Total	1458	796	458	589
Males	873	461	246	360
Females	585	335	212	229
(i) Main Workers				
Total	986	706	139	493
Males	628	433	114	339
Females	358	273	25	154
(ii) Marginal Workers				
Total	472	90	300	96
Males	245	28	117	21
Females	227	62	183	75
Non-Workers				
Total	875	1032	407	832
Males	355	460	225	347
Females	520	572	182	485

Socio Economic and Caste Census (SECC) 2011,
Village wise information of households
Gram Panchayat – Ghunghuti

#	Name of the Head of the HH	Gen-der	Age	Social Cate-gory	Father's Name\Mother's Name	Depriva-tion count	Auto Inclu-sion\Depriva-tion code	Total Mem-bers
	Village:Ghun Ghuti							
1	A_BAIGA\	M	29	ST	\	AI	--,--,--,AI4,--	5
2	AJAY BAYGA\अजय बैगा	M	22	ST	-\-	AI	--,--,--,AI4,--	2
3	AKALI BEGA\अकाली बैगा	M	37	ST	बुद्धु\परसनिया	AI	--,--,--,AI4,--	3
4	ANITA BAI\अनीता बाई	F	27	ST	लामू बैग़ा\इअतवरिया बाई	AI	AI1,--,--,AI4,--	5
5	ANOOP BAIGA\अनूप बैग़ा	M	26	ST	केमल बैगा\चन्द्रवती	AI	--,--,--,AI4,--	1
6	ASHOK BAIGA\अशोक बैगा	M	22	ST	रामगरीब बैगा\शान्ति बाई	AI	--,--,--,AI4,--	3
7	B_BAIGA\	M	42	ST	\	AI	--,--,--,AI4,--	2
8	BABBU BAIGA\बब्बू बैगा	M	24	ST	शंभू बैगा\सेम बई	AI	--,--,--,AI4,--	3
9	BABBU BAIGA\बब्बू बैगा	M	35	ST	बजागि\दशोदिया	AI	--,--,--,AI4,--	5
10	BABBU BAIGA\बब्बु बैगा	M	46	ST	भालू बैगा\गेंदिया बाई	AI	--,--,--,AI4,--	6
11	BABLU BAIGA\बबलू बैगा	M	36	ST	डोमरी\झुन	AI	--,--,--,AI4,--	6
12	BAHADUR BAIGA\बहादुर बैगा	M	41	ST	पुतउआ बैगा\रमकी बाई	AI	--,--,--,AI4,--	5
13	BAIJNATH BAIGA\बैजनाथ बैगा	M	48	ST	बलबीर बैगा\बैशखिया बाई	AI	--,--,--,AI4,--	4
14	BALMEEK BAIGA\बालमीक बैगा	M	21	ST	मुन्ने लाल बैगा\शकुन्तला बाई	AI	--,--,--,AI4,--	3
15	BAYJNATH BAIGA\बैजनाथ बैगा	M	47	ST	कुन्ना\भूरी	AI	--,--,--,AI4,--	8
16	BESHAKU BEGA\वैशाखू बैगा	M	37	ST	पुनऊआ बैगा\मनकी बाई	AI	--,--,--,AI4,--	5
17	BHAGANIY BAI\भगनिया बाई	F	35	ST	चमरु बैगा\रामपति बाई	AI	--,--,--,AI4,--	6
18	BISABNATH BEGA\विश्वनाथ बेगा	M	33	ST	रायसेन बेगा\सेम बाई	AI	--,--,--,AI4,--	5
19	C._BAI\	F	62	ST	\	AI	--,--,--,AI4,--	2
20	CHARAKI BAI\चरकी बाई	F	40	ST	रामलाल बैगा\सन्तू बाई	AI	--,--,--,AI4,--	5
21	CHARANDAS BAIGA\चरनदास बैगा	M	32	ST	रामकृष्ण बैगा\वैशखिया बाई	AI	--,--,--,AI4,--	5
22	DADU LAL BAIGA\दादू लाल बैगा	M	25	ST	रघुनाथ बैगा\दयूजी बाई	AI	--,--,--,AI4,--	4
23	DHANNI RAM BAIGA.\धन्नी राम बैगा	M	47	ST	माता दीन बैगा\जिरिया बाई	AI	--,--,--,AI4,--	2
24	DHUNKU BAIGA\धुनकु बैगा	M	67	ST	कोदुआ बैग\वैशखिया बाई	AI	--,--,--,AI4,--	1
25	DINDYAL BAIGA\दीनदयाल बैगा	M	26	ST	कमला\बुधनी	AI	--,--,--,AI4,--	4
26	FOOL BAI\फ़ूत बाई	F	57	ST	दान शाह\मन्ना बाइ	AI	--,--,--,AI4,--	3
27	GEND .LAL BAIGA\गेंद लाल बैगा	M	37	ST	अभाली बैगा\सुधरी बाई	AI	--,--,--,AI4,--	5

2.2.8 Reason for selection of L2 landscapes: -

- The area is ecologically important area and falls in the catchment area of perennial rivers Son, Johila and Mahanadi.
- Scheduled area with dominant tribal population.
- Landscape is biodiversity rich area - The area contains endangered plant as well as animal species.
- A large number of the population in the landscape is living below poverty line. The livelihood opportunities are less. There are no industries working in the area. The level of dependence on forest is high. Dependency on forest is very high leading to heavy biotic pressure on the forest land.
- Income from Agriculture is meager. The percentage of irrigated crop area is very small.
- The area falls in the wild life corridor between Kanha and Bandhavgarh Tiger Reserve and needs to be protected for the sustenance of the corridor.
- Most of the forests are moderately dense forests which require assistance in natural regeneration.

2.2.9 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Effective management to combat biotic pressure - It will be achieved through efficient fire management, regularizing the grazing and control on illicit felling
- Enhancement of quality and productivity of forest cover by treatment of 16560 ha. of forest land and 2075 ha. of non forest land thereby enhancing fodder, fuel wood, bamboo, small timber and NTFP production.
- Soil and water conservation - It will be achieved through watershed treatment methodology involving construction of small SWC structures.
- Reduction in the degree of dependence on forest- It will be achieved through promotion of alternate energy resources such as biogas, solar devices and LPG. Use of fuel-efficient devices would be encouraged.
- Livelihood opportunities -Various livelihood activities such as Dairy Farming, NTFP based livelihoods, Poultry farming, Dona pattal manufacturing and Fisheries will be taken up in the project area villages. There is a great scope in the field of eco tourism also which would be explored.

2.2.10 Proposed interventions: -

- Capacity building of Forest department and JFMCs – By organizing JFMC level and Division level workshops and training program and awareness generation on GIM. Training will be provided to field staff and members on PRA, micro-planning, watch and ward activities, livelihood generation and on establishing convergence.
- Young and educated youth will be selected from JFMCs as Community forester and will be trained in account keeping and forest management aspects. These community foresters will assist the forest staff in implementation of mission activities.
- -Protection and maintenance activities- The maintenance and protection of existing forest cover are as much important as encouraging the new plantation and treatment of degraded area. Measures for effective protection shall be taken up.

2.2.11 Cross cutting interventions proposed: -

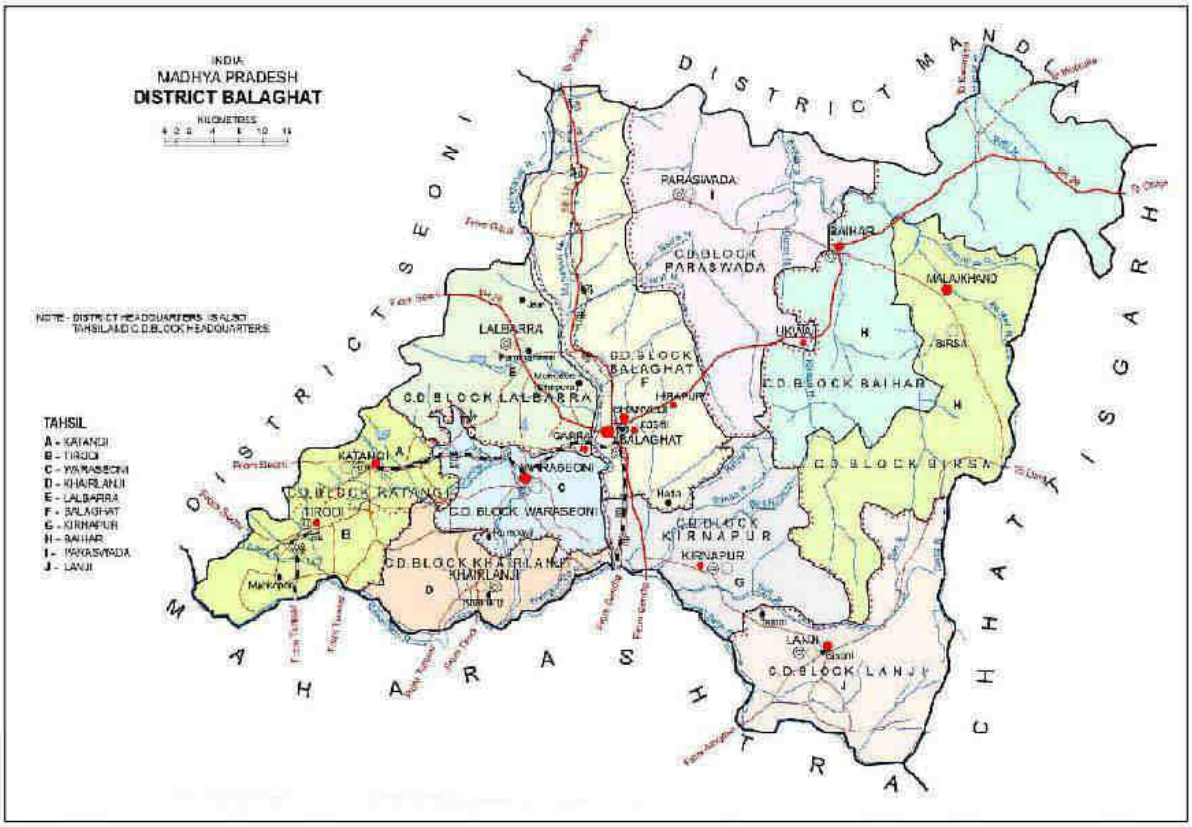
- Improving fuel-wood efficiency and promoting alternative energy sources.
- Promotion of fuel-efficient devices will be facilitated in the selected area.

2.2.12 Livelihood improvement activities proposed: -

-Dairy farming, NTFP based livelihoods, Poultry farming, eco-tourism activities.

Chapter 4: 4.2- Landscape details for L 1 Landscape (ii)- Northern Hills Plains- South Balaghat Forest Division

Balaghat district is constituted by the South Eastern part of Satpura hills and upper Wainganga valley. The total geographical area of the district is 9229 sq. km. out of which 4823 sq.km. is forest area thus more than 52% of the district is under forest area.



The district extends from 21 0 19' to 22 0 21' north latitude and 79 0 31' to 81 0 3' east longitude. The Wainganga and its tributaries are the most important rivers in this district. The town of Balaghat is situated on the bank of Wainganga river which flows from north to south through the district. The Bagh, Nahra and Uskal rivers are the tributaries of the Wainganga. The Bawanthadi and Bagh rivers define the boundaries with Maharashtra state. Geographically the district is divided into three distinct parts: -

1. The southern lowlands, a slightly undulating plain comparatively well cultivated and drained by the Waingangā, Bagh, Deo and Son rivers.

2. The long narrow valley known as Mau Taluka, lying between the hills and the Wainganga river and comprising a long narrow irregular shaped low land tract intersected by hill ranges and peaks covered with dense jungle and running generally from north to south.

3. The lofty plateau comprising irregular ranges of hills broken with numerous valleys and generally running from east to west. The highest point in the hills of district lies in Bhaisanghat range which is about 910 meter above mean sea level. The Banjar, Halon and Jamunia river, tributaries of Narmada, drain a portion of the upper plateau.

The district is broadly covered by three types of soils. Black cotton soils, Sandy loam & lateritic soil. The climate of Balaghat District is sub- tropical characterized by a hot summer and general dryness except during the southwest monsoon season. The normal annual rainfall of Balaghat district is 1294.5 mm. The normal maximum temperature recorded during the month of May is 43° C and minimum temperature during the month of December is 8° C.

Balaghat district is famous for its Copper and Manganese mines. The district is endowed with rich biodiversity and half of the world famous Kanha Tiger Reserve is situated in Balaghat

district. Apart from this there are two territorial forest divisions in Balaghat district and the L2 landscapes selected for GIM, lie in South Balaghat Division.

2.3.1 Forest: -

Forests of South Balaghat Division are mainly mixed forest which belongs to Southern Dry Mixed Deciduous Forest class as per the Champion and Seth classification. Forest area of the division possesses very good bamboo forest also. The bamboo area in the district used to be around 2.10 lac ha. but after the gregarious flowering during 2004-05 and 2005-06 bamboo area is considerably reduced. Even than Balaghat is still known for its bamboo forest and is the biggest bamboo producing district in Madhya Pradesh. It supplies bamboo to many other districts of the state to meet their basic Nistar requirements. Three types of bamboo are found in the forest of Balaghat. They are Desi Bamboo (Dendrocalamus strictus), Katang Bamboo (Bamboosa arundinaceae) and in a very small area Balan Bamboo (Cephalastachym bergraile munro . The other prominient species of the forest are Saja, Bija, Dhawda, Garari, Lendia, Tendu, Palash, Mahua, Baheda, Siris. The area wise distribution of the forest of S. Balaghat division is as follows:-

Table 34: area wise distribution of the forest of S. Balaghat division

Reserved Forest	PF	Total
133671.243 ha.	54159.174 ha.	187830.417 ha.

2.3.2 Wild life: -

Due to rich biodiversity, the forests of South Balaghat Division are home to a number of wild animals. A very crucial wildlife corridor between Kanha and Pench Tiger Reserve also passes through this division and in dense forest patches of Logur and Sonewani area , Tigress with cubs have been sighted. The prominent wild life of this division includes Tiger, Leopard, Sloth bear, Bison, Spotted deer, Chausingha, barking deer, wild boar, Hyena etc.

2.3.3 Dependence on forest: -

There are 797 revenue villages in the division out of which 682 villages are located within 5 km. radius of the forest boundary. These villages are dependent on forest for their basic needs of fuel, fodder and small timber. As per working plan estimate the annual requirement of timber, fuel wood and bamboo in the division is as follows: -

S. No.	Item	Annual
1.	Timber	21597 cmt.
2.	Fuel wood	234896 cmt.
3.	Bamboo	1506310 no.

The cattle population of the division is about 640178 which is mostly grazing in forest area because practice of stall feeding is not prevalent in the area. The cattle population makes 518773 cattle units where as the grazing carrying capacity of the forest area of the division is 239498 cattle units. Thus, cattle population is 2.5 times more than the bearing capacity of the forest and is exerting tremendous pressure on the forest.

2.3.4 Joint Forest Management: -

Out of 797 revenue villages of the division, 682 villages i.e. 85% of the villages are located near forest area. To seek their cooperation in forest protection and management 160 Forest Protection Committees and 90 Village Forest Committees, a total 250 JFMC have been constituted. These JFMC have a total membership of 98005 members and cover 1355.37 sq. km. of forest area of the division.

2.3.5 L-2 Landscapes selected in Balaghat District.: -

Following 02 milli watersheds of S. Balaghat division have been selected as L2 landscapes for 2018-19: -

Table 35: S. Balaghat Division- L 2 milli watershed details

No.	Micro-watershed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	4E5G3k	2690.392	677.584	487.666	3855.642	1053.938	4909.58
2.	4E5G5m	3263.14	619.244	30.155	3912.539	3796.092	7708.631
Total		5953.532	1296.828	517.821	7768.181	4850.03	12618.211

Thus the milli watersheds selected as L2 landscapes for Balaghat district have an area of 12618.211 ha. These 02 milli-watersheds are the operational units for implementation of GIM. Selected milli watersheds possess forest as well as non forest area. These 02 milli watersheds have 71 micro watersheds out of which 62 micro watersheds have forest as well as non forest area whereas remaining 03 micro watersheds are purely in non forest area and 06 micro watersheds are completely in forest are .The forest area in the milli -watersheds is largely dense forest which needs measures to supplement natural regeneration and protection and assistance to revive the natural bamboo forest.

Figure: 17- Details of selected L 2 Landscape: Milli-watershed detail

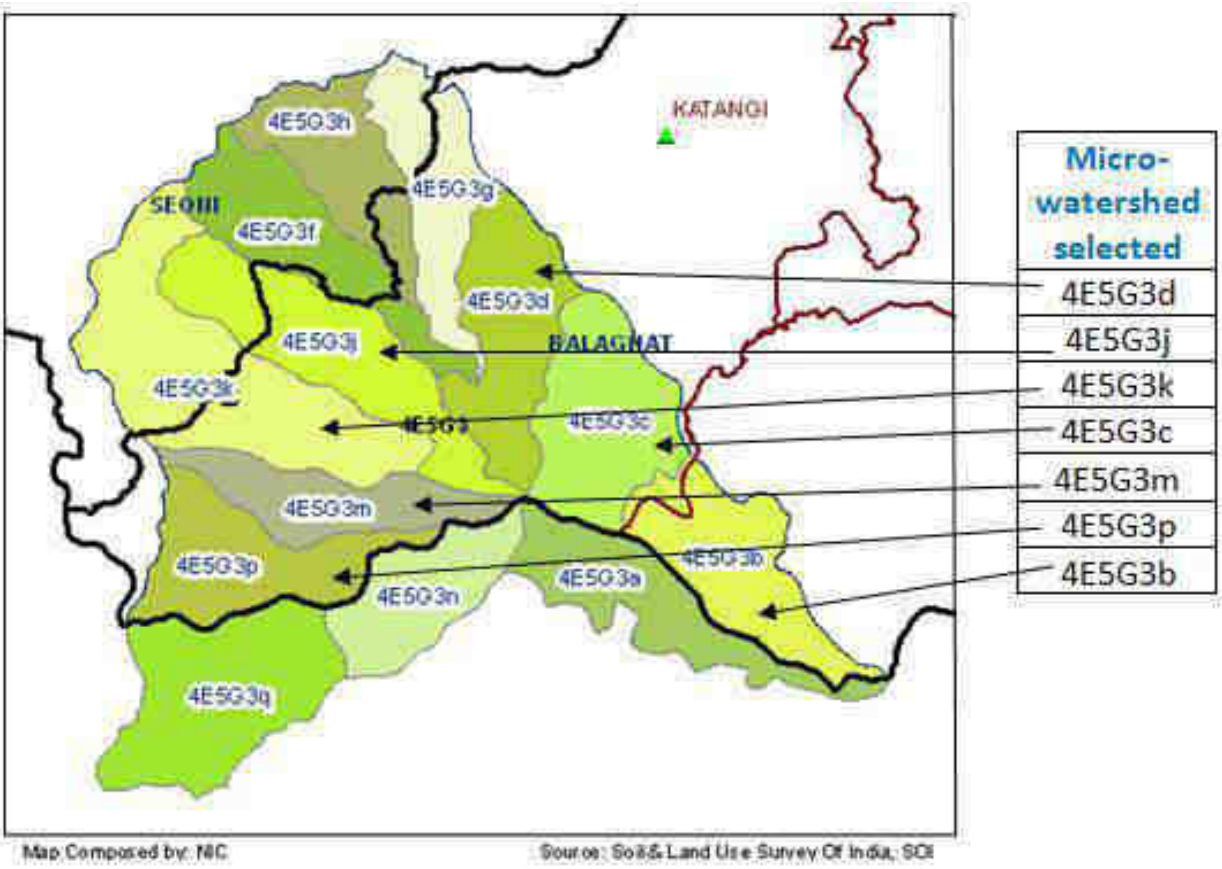
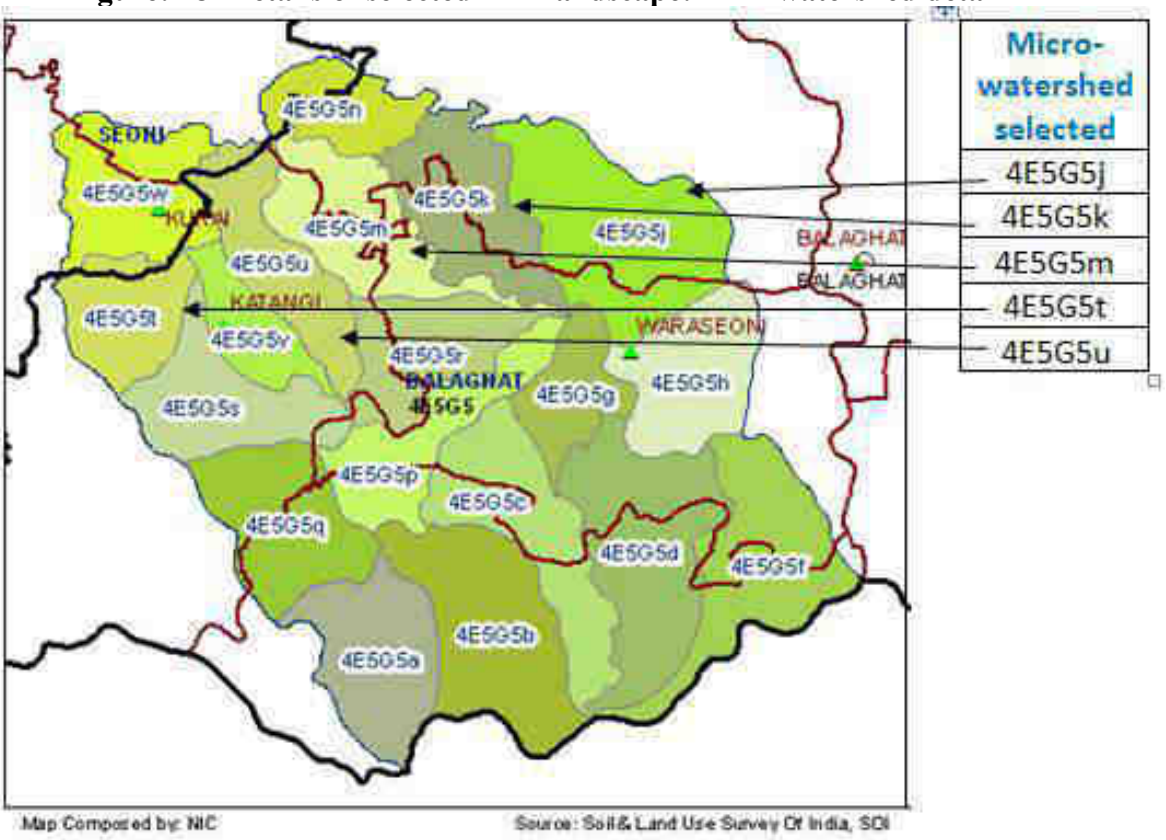


Figure: 18- Details of selected L 2 Landscape: Milli-watershed detail



2.3.6 L3 landscapes selected in Balaghat District: -

The 02 milli-watershed selected as L2 landscapes comprises of 13 micro-watersheds which are the working unit of the GIM. The micro-watersheds of a particular milli-watershed have been taken up for treatment so that the milli-watershed is treated. The milli-watershed wise description of these micro-watersheds is as follows: -

2.3.6.1 Milli-watershed no. 4E5G3k: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 36: S. Balaghat Division- L 3 micro watershed 4E5G3k details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	4E5G3k1	482.477	423.951	66.484	972.912	399.283	1372.195
2.	4E5G3k2	705.361	93.428	388.394	1187.183	423.771	1610.954
3.	4E5G3k3	777.945	0	15.374	793.319	230.884	1024.203
4.	4E5G3k4	617.475	137.268	3.164	757.907	0	757.907
5.	4E5G3k5	107.134	22.937	14.25	144.321	0	144.321
Total		**2690.392**	**677.584**	**487.666**	**3855.642**	**1053.938**	**4909.58**

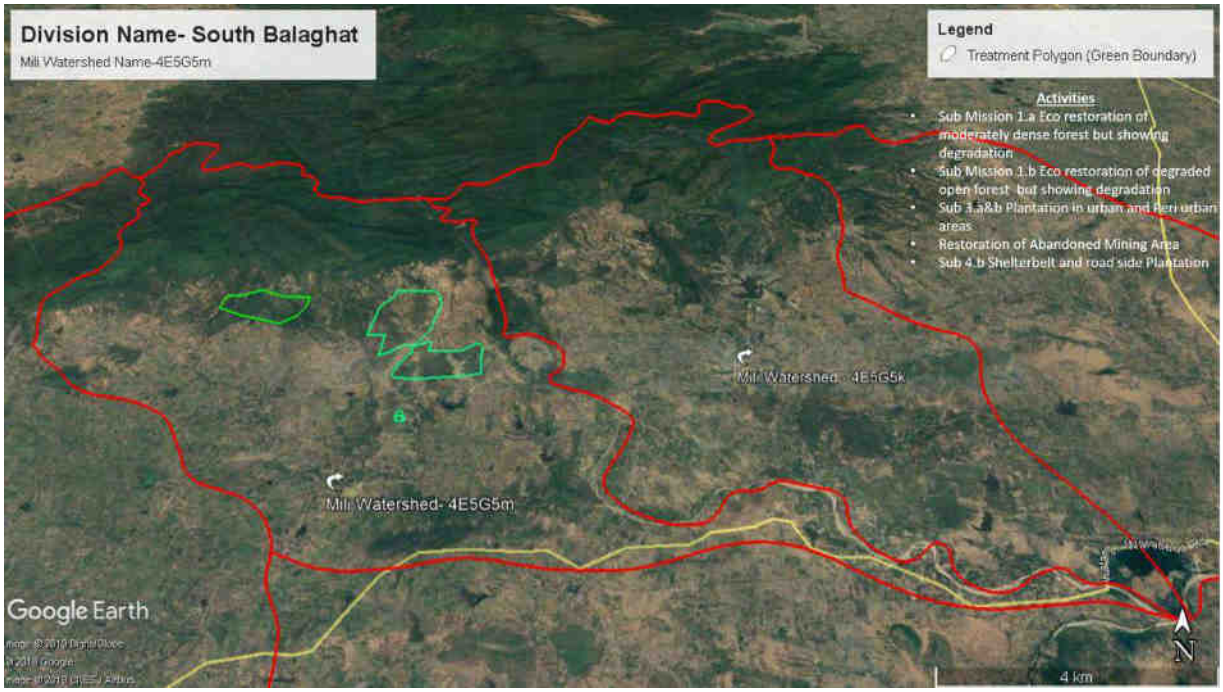
2.3.6.2 Milli-watershed no. 4E5G5m: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 37: S. Balaghat Division- L 3 micro watershed 4E5G5m details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	4E5G5m1	164.89	75.562	1.279	241.731	923.441	1165.172
2.	4E5G5m2	214.66	34.226	0	248.886	538.056	786.942
3.	4E5G5m3	357.17	64.14	0	421.31	220.712	642.022
4.	4E5G5m4	75.518	93.219	0	168.737	981.447	1150.184
5.	4E5G5m5	500.808	152.351	0	653.159	205.455	858.614
6.	4E5G5m6	595.008	179.983	22.119	797.11	615.303	1412.413
7.	4E5G5m7	203.903	19.763	6.757	230.423	311.678	542.101
8.	4E5G5m8	1151.183	0	0	1151.183	0	1151.183
Total		**3263.14**	**619.244**	**30.155**	**3912.539**	**3796.092**	**7708.631**

Figure:19- KML File of the L 3 Landscape under treatment



2.3.7 Demography: -

Balaghat District is located in the southern part of Jabalpur Division. It occupies the south eastern portion of the Satpura Range and the upper valley of the Wainganga River. The district extends from 21°19' to 22°24' north latitude and 79°31' to 81°3' east longitude. The total area of the district is 9,245 km². Balaghat District is bounded by Mandla District of Madhya Pradesh to the north, Dindori District to the northwest, Rajnandgaon District of Chhattisgarh state to the east, Gondia and Bhandara districts of Maharashtra state to the south, and Seoni District of Madhya Pradesh to the west. The district is divided into 10 tahsils viz. Katangi, Waraseoni,

Balaghat, Kirnapur, Baihar,Lanji,Tirodi, Khairlanji, Lalbarra, and Paraswada and 10 community development blocks which are Katangi, Khairlanji, Lalbarra, Waraseoni, Balaghat, Kirnapur, Paraswada, Baihar, Birsa and Lanji. The district is divided into three distinct parts:

- The southern lowlands, a slightly undulating plain, comparatively well cultivated and drained by the Wainganga, Bagh, Deo, Ghisri and Son rivers.
- The long narrow valley known as the Mau Taluka, lying between the hills and the Wainganga river, and comprising a long, narrow, irregular-shaped lowland tract, intersected by hill ranges and peaks covered with dense jungle, and running generally from north to south.
- The lofty plateau, in which is situated the Raigarh Bichhia tract, comprising irregular ranges of hills, broken into numerous valleys, and generally running from east to west. The highest points in the hills of the district are as follows: - Peaks above Lanji, 2300 or 2,500 feet (760 m); Tepagarh hill, about 2,600 ft (790 m) and Bhainsaghat range, about 3,000 ft (910 m). above the sea. The Banjar, Halon and Jamunia rivers, tributaries of the Narmada, drain a portion of the upper plateau.

TEMPERATURE

The climate of the Balaghat District shows variation owing to differences in its elevation. The lowland plains have a hot climate, which is oppressive throughout the months of April, May and June. The Baihar plateau is cooler than the lowlands and still higher Raigarh plateau is cooler than Baihar. The uplands are very 7 cold in winters. The climate of the district is moderate with a minimum temperature of 4 oC in January and a maximum of 43oC in May.

RAINFALL

Rains in this district start sometime in the month of June and last upto the earlier part of October. The average numbers of rainy days are 66. July and August are the months of heaviest rainfall. The average rainfall from 1992 to 2011 is 1430.87 mm. Baihar tahsil gets the maximum rainfall, while Balaghat is the second and Waraseoni gets the least rainfall. During the past 20 years maximum rainfall was recorded in 1994 and minimum in 2004.

As per 2011 census data of the district are as follows: -

Total area of the district		9229 Sq.Km
Literacy rate		77.1
No. of villages		1384
No. of households		390930
Population	Rural	1456882
	Urban	244816
	Total	1701698
Population	Male	842178
	Female	859520
	Total	1701698
Scheduled caste population		125426
Scheduled tribe population		383026

Katangi:

Katangi is a Block situated in Balaghat district in Madhya Pradesh. Positioned in rural part of Madhya Pradesh, it is one of the 10 blocks of Balaghat district. As per the government records, the block number of Katangi is 257. The block has 131 villages and there are total 39273 families in this Block.

1.1 Population of Katangi Block

As per Census 2011, Katangi's population is 165849. Out of this, 81851 are males while the females count 83998 here. This block has 19724 kids in the age group of 0-6 years. Out of this 9936 are boys and 9788 are girls.

1.2 Literacy rate of Katangi Block

Literacy rate in Katangi block is 67%. 111667 out of total 165849 population is literate here. In males the literacy rate is 74% as 61157 males out of total 81851 are educated however female literacy ratio is 60% as 50510 out of total 83998 females are literate in this Block.

Table 38- Brief Profile of Milli-Watershed (4E5G3K): List of Villages

Divisions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Panchayat	Name of the Committee (JFMC's)
South Balaghat	Katangi	4E5G3K	Hamesha		Kousmba Koylari Kisanpur Kanadgaon Ambejhari	Kosumba Koylari Kishanpur Ambejhari Kanadgaon Kosmatola (Hamesha) Bandaardev Pathrapeth Aagari
			Navegaon (Antara)	Un-Inhabited		
			Govindpura (Hamesha)	Un-Inhabited		
			Kishanpur (Hamesha)			
			Koshmatoal (Hamesha)			
			Koshumba			
			Koylari			
			Bandadev	*(Data Not found in census2011)*		
			Pathrapeth			
			Ambejhari			
			Kandgaon			
			Aagari			

Table 39 – Balaghat key demographic information is as below

	Navegaon (Antara)	Govindpura (Hamesha)	Kishanpur (Hamesha)	Koshmatoal (Hamesha)	Koshumba	Koylari	Bandadev	Pathrapeth	Ambejhari	Kandgaon	Aagari
Total Population	Un-Inhabited	Un-Inhabited	449	365	1888	1187	N/A	86	733	1022	108
Male			216	183	929	598		46	380	516	57
Female			233	182	959	589		40	353	506	51
Total Households			103	91	506	309		21	172	230	29
Average members per HHs			4.4	4.0	3.7	3.8		4.1	4.3	4.4	6.2
Child Population (0-6)											
Total Child (0-6years) population	Un-Inhabited	Un-Inhabited	54	44	271	172	N/A	10	92	121	14
Male (0-6 years) population			28	22	135	90		4	54	61	8
Female (0-6 years) population			26	22	136	82		6	38	60	6

Sex Ratio

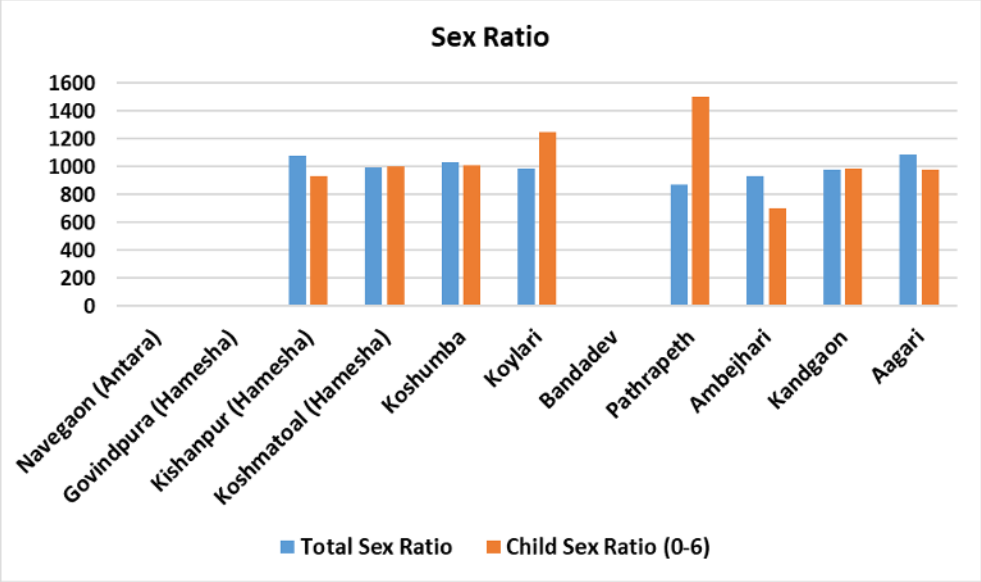
The overall sex ratio of these villages is 995, which implies that there are 995 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 1044 of these villages.

Table 40 – Balaghat Village wise details of selected areas are as follows

	Navegaon (Antara)	Govindpura (Hamesha)	Kishanpur (Hamesha)	Koshmatoal (Hamesha)	Koshumba	Koylari	Bandadev	Pathrapeth	Ambejhari	Kandgaon	Aagari
Total Sex Ratio	Un-Inhabited	Un-Inhabited	1079	995	1032	985	N/A	870	929	981	1089
Child Sex Ratio (0-6)			929	1000	1007	1246		1500	704	984	981

(Child sex ratio in Ambejhari (704) is serious matter of concern in social aspects.)

Figure 20: Sex Ratio



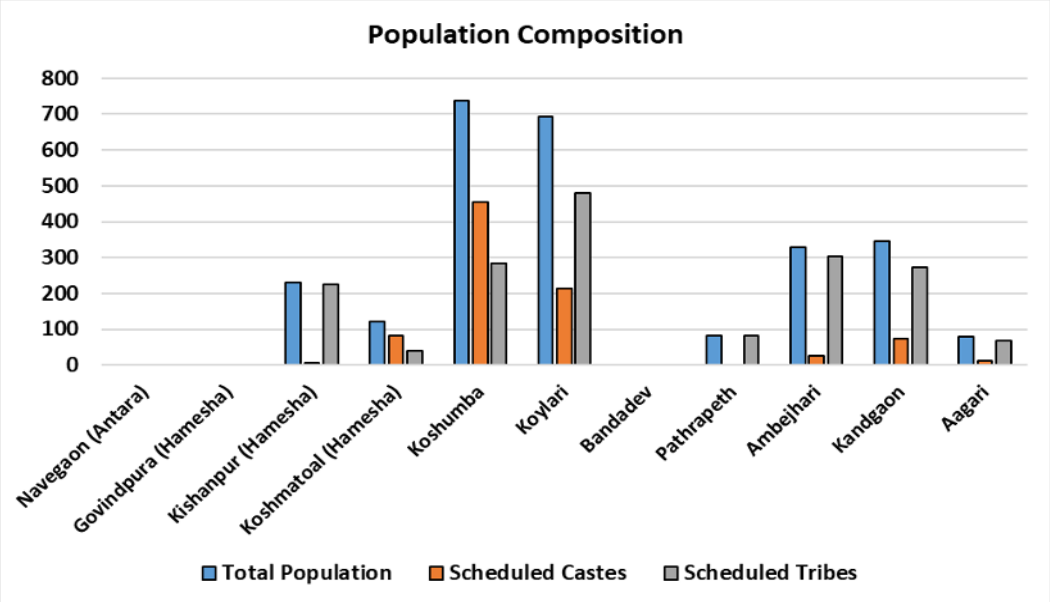
Population composition

The totals STs Population in this village are 1752, which is 66.8% of the total population. Pathrapeth and Kishnpur (Hamesha) villages has highest percentage of tribal population of 100% and 97% respectively.

Table 41 – Balaghat Population *Villagewise details of selected areas are as follows*

	Navegaon (Antara)	Govindpura (Hamesha)	Kishanpur (Hamesha)	Koshmatoal (Hamesha)	Koshumba	Koylari	Bandadev	Pathrapeth	Ambejhari	Kandgaon	Aagari
Total Population	Un-Inhabited	Un-Inhabited	232	122	737	694	N/A	83	328	345	80
Scheduled Castes			8	82	454	214		0	25	73	13
Scheduled Tribes			224	40	283	480		83	303	272	67

Figure 21: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 70.2%, in which male literacy is 80.5% and female literacy is 59.8% in these villages.

Table 42 – Balaghat literacy *Village wise Details are as follows:*

	Navegaon (Antara)	Govindpura (Hamesha)	Kishanpur (Hamesha)	Koshmatoal (Hamesha)	Koshumba	Koylari	Bandadev	Pathrapeth	Ambejhari	Kandgaon	Aagari
Total Literacy	Uninhabited	Uninhabited	57.0	60.0	73.78	73.97	N/A	60.53	70.67	87.87	77.58
Male			67.0	70.0	81.61	84.62		69.05	86.20	97.01	88.27
Female			48.0	50.0	66.22	62.80		50.0	54.60	78.68	67.90

Figure 22: Literacy Rate

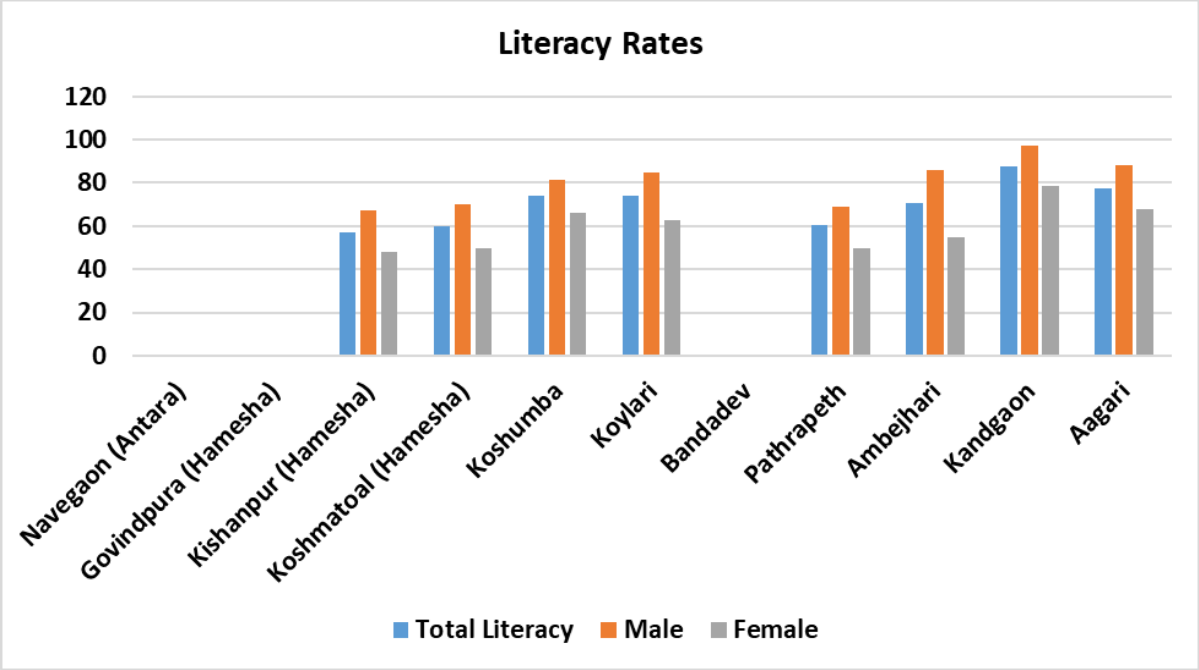


Table 43 – Balaghat Important Statistics relating to works participation

	Navegaon (Antara)	Govindpura (Hamesha)	Kishanpur (Hamesha)	Koshmatoal (Hamesha)	Koshumba	Koylari	Bandadev	Pathrapeth	Ambejhari	Kandgaon	Aagari
Total Workers											
Total	Un-Inhabited	Un-Inhabited	288	238	1156	673	N/A	52	419	558	60
Males			139	119	582	381		29	219	313	31
Females			149	119	574	292		23	200	245	29
(i) Main Workers											
Total	Un-Inhabited	Un-Inhabited	241	146	241	557	**N/A**	14	265	505	42
Males			128	107	154	319		8	140	286	22
Females			113	39	87	238		6	125	219	20
(ii) Marginal Workers											
Total	Un-Inhabited	Un-Inhabited	47	92	915	116	N/A	38	154	53	18
Males			11	12	428	62		21	79	27	9
Females			36	80	487	54		17	75	26	9
Non-Workers											
Total	Un-Inhabited	Un-Inhabited	161	127	732	514	N/A	34	314	464	48
Males			77	64	347	217		17	161	203	26
Females			84	63	385	297		17	153	261	22

Brief Profile of Milli-Watershed (4E5G5m):

Table 44 – Balaghat List of Villages selected

Divisions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Panchayat	Name of the Committee
South Balaghat	Vaarsivani, Katangi	4E5G5m	Sawangi		Sawangi, Budbuda, Sherpaar, Sirpur, Nandgaon, Varud, Bhajiyapara, Tekadi, Jumniya, Jaam, Indaori	Sherpaar, Shripur, Nandgaon, Nagjhar, Bhajiyapaar, Chirchira, Tekadi, Tekaditola, Mohantola, Dhimrurith, Kachaar, Jaam, Indori
			Dhanitola	*(Data Not found in census2011)*		
			Budbuda			
			Sherpaar	*(Data Not found in census2011)*		
			Sirpur			
			Nandgaon			
			Nagjhar			
			Varud			

			Bhajiyapara			
			Chirchira			
			Tekadi			
			Dhimrorith			
			Kachar			
			Jaam			
			Indori	*(Data Not found in census2011)*		

Table 45: South Balaghat The key demographic information is as below

	Sawangi	Budbuda	Sirpur	Nandgaon	Nagjha	Barud	Bhajiya para	Chirchira	Tekadi	Dhimrorith	Kachar	Jaam
Total Population	2078	4867	2510	1733	701	1723	420	504	938	304	147	2922
Male	1063	2361	1266	874	334	813	202	244	458	151	70	1435
Female	1015	2506	1244	859	367	910	218	260	480	153	77	1487
Total Households	505	1134	601	444	158	390	102	124	229	70	31	630
Average members per HHs	4.11	4.29	4.18	3.9	4.44	4.42	4.12	4.06	4.1	4.34	4.74	4.64
Child Population (0-6)												
Total Child (0-6years) population	237	605	248	203	82	194	37	60	109	40	26	384
Male (0-6 years) population	126	265	121	112	45	88	23	26	54	16	16	199
Female (0-6 years) population	111	340	121	91	37	106	14	34	55	24	10	185

Sex Ratio

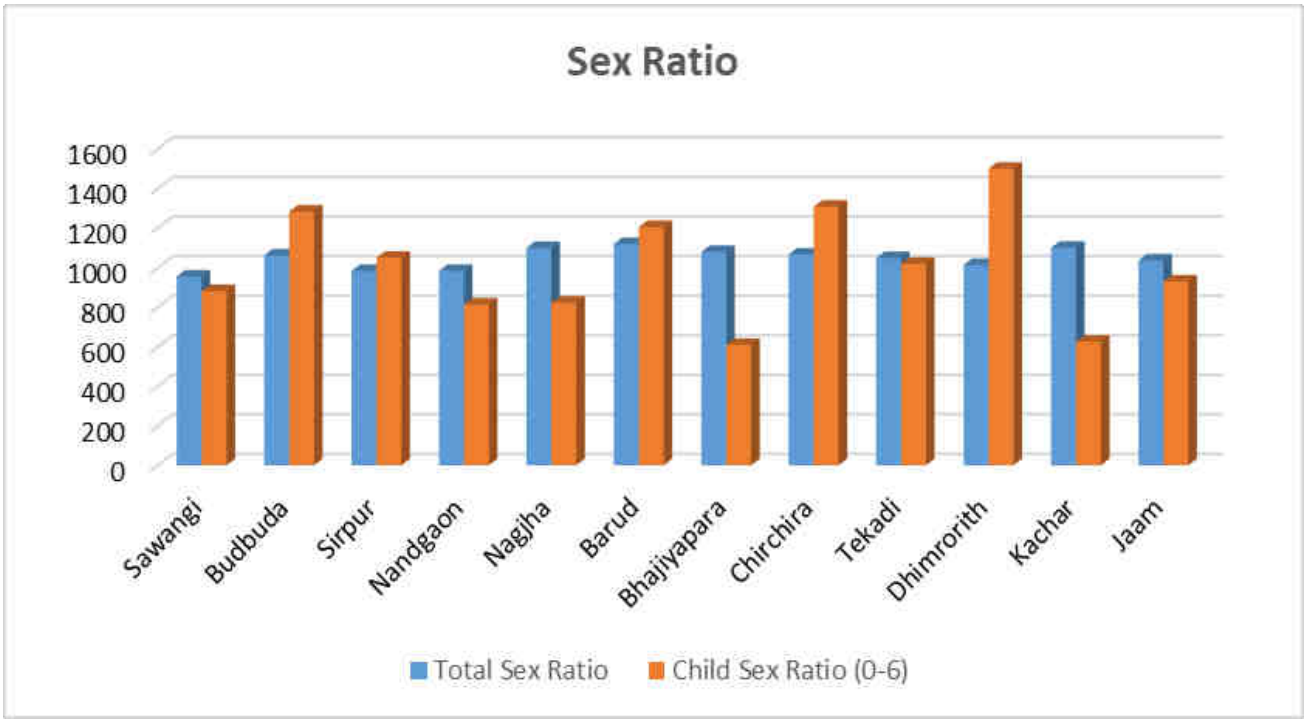
The overall sex ratio of these villages are 1045 , which implies that there are 1045 females per 1000 males. The child (0-6 years) sex ratio is lower then overall sex ratio and it is 1004 of these villages.

Table 46 – Balaghat *Villagewise details are as follows*

	Sawangi	Budbuda	Sirpur	Nandgaon	Nagjha	Barud	Bhajiyapara	Chirchira	Tekadi	Dhimrorith	Kachar	Jaam
Total Sex Ratio	955	1061	983	983	1099	1119	1079	1066	1048	1013	1100	1036
Child Sex Ratio (0-6)	881	1283	1050	813	822	1205	609	1308	1019	1500	625	930

(Child sex ratio in Bhajiyapara (605) and Kachar (625) are serious matter of concern in social aspects.)

Figure 23: Sex Ratio



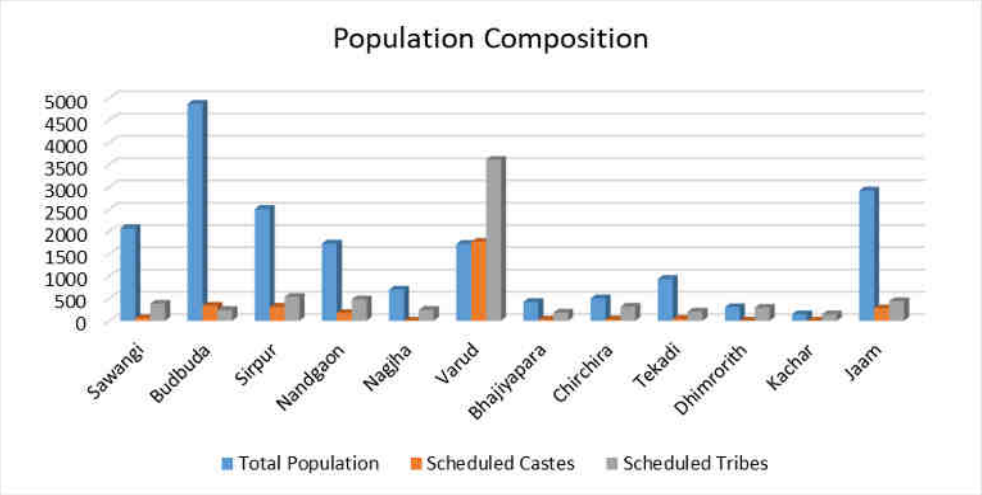
Population composition

The totals STs Population in these village are 3614, which is 19.2% of the total population. Kachar village has highest percentage of tribal population of 100%.

Table 47 – Balaghat population *Villagewise details are as follows*

	Sawangi	Bud-buda	Sirpur	Nandgaon	Nagjha	Varud	Bhajiyapara	Chirchira	Tekadi	Dhimrorith	Ka-char	Jaam
Total Population	2078	4867	2510	1733	701	1723	420	504	938	304	147	2922
Scheduled Castes	61	335	316	173	4	1772	26	30	43	3	0	280
Scheduled Tribes	384	243	536	481	246	3614	183	318	206	293	147	439

Figure 24: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 76.6 %, in which male literacy is 86.8 % and female literacy is 67.5 % in these villages.

Table 48 – Balaghat literacy *Village wise Details are as follows:*

	Sawangi	Budbuda	Sirpur	Nandgaon	Nagjha	Barud	Bhaji-yapara	Chircchira	Tekadi	Dhimrorith	Kachar	Jaam
Total Literacy	73.4	78.2	78.6	80.1	74.5	81	80	74	76	81	60	82
Male	83.5	86.9	87.8	87.7	83.4	89	91	84	87	89	83	89
Female	62.9	69.7	69.9	72.7	66.7	74	71	69	65	72	42	75

Figure 25: Literacy Rate

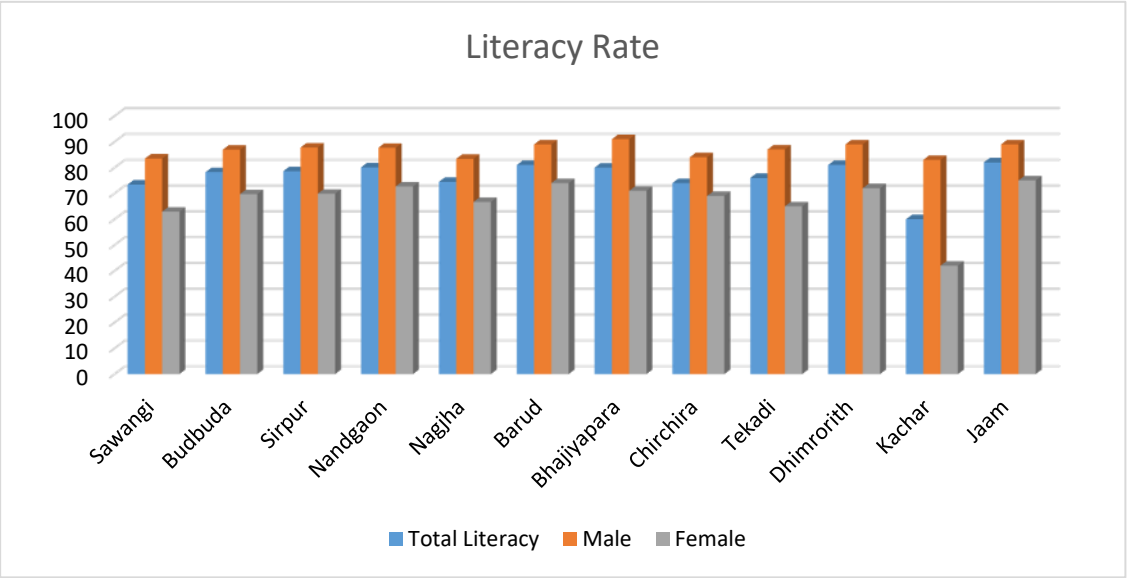


Table 49 – Balaghat Important Statistics relating to works participation

	Sawangi	Budbuda	Sirpur	Nandgaon	Nagjha	Varud	Bhaji-vapara	Chirchira	Tekadi	Dhim-rorith	Kachar	Jaam
Total Workers												
Total	1202	2799	1478	1049	454	1001	232	313	566	210	79	1750
Males	654	1467	781	532	227	515	113	162	283	106	38	922
Females	548	1332	697	517	227	486	119	151	283	104	41	828
(i) Main Workers												
Total	653	2014	796	267	372	750	103	23	184	54	5	1018
Males	480	1163	538	165	194	431	81	19	151	32	2	634
Females	173	851	258	102	178	319	22	4	33	22	3	384
(ii) Marginal Workers												
Total	549	785	682	782	82	251	129	290	382	156	74	732
Males	174	304	243	367	33	84	32	143	132	74	36	288
Females	375	481	439	415	49	167	97	147	250	82	38	444
Non-Workers												
Total	876	2068	1032	684	247	722	188	191	372	94	68	1172
Males	409	894	485	342	107	298	89	82	175	45	32	513
Females	467	1174	547	342	140	424	99	109	197	49	36	659

Socio Economic and Caste Census (SECC) 2011, Village wise information of households

SECC List for IPPE2

State: MADHYA PRADESH	District: Balaghat	Block: Katangi	Gram Panchayat: AMBEJHARI

#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\ Mother's Name	Deprivation count	Auto Inclusion\ Deprivation code	Total Members
	Village: Agri							
1	ANAND RAO\आनन्द राव	M	66	Other	चिन्तामन\मूगन बाई	3	--,D2,--,--,--,D6,D7	2
2	ANIL\अनील	M	31	SC	फत्तूलाल\बायना	1	--,--,--,--,D5,--,--	5
3	ANIL KUMAR KOLATKAR\अनिल कुमार कोलाटकर	M	34	SC	डुलीचन्द\कमला बाई कोलाटाकर	1	--,--,--,--,D5,--,--	6
4	ANJANA BAI\अंजना बाई	F	37	Other	मुकुन्दा\मालन	2	--,--,D3,--,--,--,D7	1
5	ARUNH VASNIK\अरुण वासनिक	M	38	SC	गुलाब\नहांसी बाई	2	--,--,--,--,D5,--,D7	2
6	ASHOK PATLE\अशोक पटले	M	48	SC	खेनीराम\सैवन्ता	2	--,--,--,--,D5,--,D7	3
7	BABULAL THAKRE\बाबूलाल ठाकरे	M	57	Other	रुपचन्द\रेवतन	1	--,--,--,--,--,D6,--	2
8	BASANT\बसंत	M	47	Other	चुन्नी लाल\चेतन बाई	1	--,--,--,--,--,--,D7	3
9	BASTI RAM MESHRAM\बस्ती राम मेश्राम	M	46	Other	सुदाम\कारुला	1	--,--,--,--,--,--,D7	5
10	BENIRAM\बेनीराम	M	47	ST	उम्मेदसिंह\सरूपा	2	--,--,--,--,D5,--,D7	5
11	BHEEMA RAO BASNIK\भीमराव बासनिक	M	52	SC	देबाजी\छारका	2	--,--,--,--,D5,--,D7	5
12	BHIMALASHIVVANSI\भीमला शिववंशी	F	57	SC	बराती लाल\सोमी बाई	3	--,--,--,--,D5,D6,D7	2
13	BHOJENDRA\भोजेन्द्र	M	30	Other	गुलाब\गेंदन बाई	1	--,--,--,--,--,--,D7	4
14	BHOJRAM\भोजराम	M	42	SC	फत्तूलाल\बायना	2	--,--,--,--,D5,--,D7	4
15	BHOLA RAM\भोला राम	M	77	Other	लटारु\बायजा बाई	2	--,D2,--,--,--,D6,--	2
16	BHULAN BAI\भूलन बाई	F	69	Other	सीता राम\शारदा	2	--,--,D3,--,--,--,D7	2
17	BHURAKAN BAI PATLE\भुरकन बाई पटले	F	72	SC	दादू\झिंगरी बाई	4	--,D2,D3,--,D5,D6,--	1
18	BRAJ LAL\ब्रज लाल	M	40	Other	सखा राम\फुलकन बाई	2	--,--,--,--,--,D6,D7	6
19	BRAJESH\ब्रजेश	M	42	SC	लक्ष्मण\केशनबाई	2	--,--,--,--,D5,--,D7	5
20	CHAIN BAI\चैन बाई	F	42	Other	पूरन लाल\हिरन बाई	3	--,--,D3,--,--,D6,D7	1
21	CHAMANLAL\चमनलाल	M	44	SC	सोमाजी\सरस्ता बाई	2	--,--,--,--,D5,--,D7	5

2.3.8 Reason for selection of L2 landscapes: -

- Area is in the proximity of Kanha, Pench & Nagzira tiger reserves and some part falls into very important Kanha-Pench Tiger corridor also. Area is frequented by tigers, leopards and other wild animals.

- Area is under severe pressure from grazing, mining and other biotic activities.

- Area is very rich in biodiversity, hence its conservation is crucial for conservation of biodiversity in Satpuda landscape. The area contains endangered plant as well as animal species.

- Area is home to many central Indian aboriginals including Baigas, Gonds.

- The area is of ecological importance area as it falls in the catchment of river Bawanthadi, which is lifeline of district Balaghat of Madhya Pradesh and district Bhandara of Maharastra. Because of Rajiv sagar dam on Bawanthadi and Wainganga river dam and their canal networks, about 45% area is under canal irrigation. Therefore, conservation of catchment is necessary to sustain the irrigation network.

- Majority of the population in the area is BPL including Scheduled Castes and Scheduled Tribes. The livelihood opportunities are less. There are very less industries in the area. Hence people are largely dependent on subsistence farming and forests for their survival. Farming being largely rain fed and Income from agriculture is meager therefore people are heavily dependent on the forest resources for additional income. Hence there is huge biotic pressure upon the forest and ecology of the area.

- Forest land is 48.1% of total geographical area of South Balaghat Division which is under severe pressure from grazing, mining and poverty because of these biotic pressures forest area is prone to degradation and habitat fragmentation.

- The main drivers of forest degradation are grazing, mining and poverty which sometimes leads to encroachment on forest land. Balaghat being Naxal affected district, employment generation through forestry activities is need of the hour to combat the expansion of naxalite activities.

- The bamboo area affected by the gregarious flowering needs special attention so that the bamboo area can be restored.

- Preparatory activities for GIM were undertaken in South Balaghat Division.

2.3.9 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Measures will be taken to combat biotic pressure. The main activities to achieve this goal would be to control and regularize the grazing, control on illicit felling, enhancing fodder, fuel wood, bamboo, small timber and NTFP production through plantation of selective species.

-Enhancement of forest cover and its productivity in forest area- It will be achieved through efficient fire management, plantations and soil and water conservation works in forest area. Works to assist natural regeneration shall be taken up in the forest area. Bamboo area to be given effective protection and soil working.

- Enhancement of forest cover in non forest area shall be taken up through Agro-forestry activities to reduce the pressure on the forest area

-Soil and water conservation activities to be taken up in forest as well as non forest area- It will be done on watershed treatment methodology i.e. the treatment from ridge to valley of the watershed.

-Reduction in the degree of dependence on forest- It will be achieved through promotion of alternate energy resources such as biogas, solar devices, LPG and fuel efficient stoves and introduction of various community livelihood opportunities and plantation of the species which are suitable to increase the fuel, fodder, small timber and NTFP production.

-Livelihood opportunities -Various livelihood activities such as Tusser Silk Production, Dairy Farming, NTFP based livelihoods, Kirana store, Sewing machine, Poultry, Dona pattal manufacturing and Fish farming will be promoted in all villages.

- Development of Social fencing- watershed approach of managing natural resources has holistic components of socio economic and ecological development. This will ensure participatory forest management.

2.3.10 Proposed interventions: -

- Restoration of Degraded Open forest - Open forest area will be undertaken for reforestation with participation of community and forest department. The model of reforestation will be such as to fulfill the local needs of fuel wood, fodder, small woods for construction of huts etc.

- Promotion of tree outside forest -Under various models of agro forestry plantation of tree outside forest will be promoted to reduce forest dependence.

-Meeting energy needs through clean and alternative sources. Use of Biogas, solar energy, LPG, will be promoted in the poor households to reduce the fuel wood requirements.

- Strengthening of Forest department and JFMC- JFMC level and Division level workshop and training programs and awareness generation programs will be conducted for field staff and JFMC members.Young and educated youth will be selected from JFMCs and they will be trained in account keeping and forest management aspects. These community foresters will assist the forest staff in implementation of mission activities.

- Protection and maintenance activities-The maintenance and protection of existing forest cover is as much important as encouraging the new plantation and treatment of degraded area. The assistance of JFMCs will be ensured for maintenance of existing works and for support to the field staff for fire-watching and protection activities in the area.

2.3.11 Cross cutting interventions proposed: - -Improving fuel-wood efficiency and promoting alternative energy sources. Distribution of pressure cooker, promotion of solar devices, Bio-gas plants depending on the need will be facilitated in the selected area.

2.3.12 Livelihood improvement activities proposed: -

Various livelihood activities like Dairy farming, sewing machine distribution and training, NTFP based livelihoods activities, Poultry farming, Sericulture and Lac cultivation activities shall be promoted in the area.

2.2.13 FY 2018-19 physical and financial progress as per budget allottment:-

Under different submissions of Green India Mission, following progress in FY 2018-19 is made in L 1 Landscape (ii): -

Submission/ Intervention	Category	Type	Cost Norm (Rs./ha)	UMARIA				SOUTH BALAGHAT				Northern Hills Plains	
				Target		Achievement		Target		Achievement		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600										
		a) Advance Work	15840	476	75.32	476	39.45	571	90.37	571	61.13	1047.00	100.58
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**476**	**75.32**	**476**	**39.45**	**571**	**90.37**	**571**	**61.13**	1047.00	100.58
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	16896	0	0.00	0	0.00	144	24.25	144	20.87	144.00	20.87
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**144**	**24.25**	**144**	**20.87**	144.00	20.87
		Type B- with limited root stock and open blanks	79200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0	0.00	2	0.48	2	0.80	2.00	0.80
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**2**	**0.48**	**2**	**0.80**	2.00	0.80
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	94	49.63	94	41.14	0	0.00	0	0.00	94.00	41.14
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	-0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**94**	**49.63**	**94**	**41.14**	**0**	**0.00**	**0**	**0.00**	94.00	41.14
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	36960	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8	a) Rehabilitation of Shifting Cultivation Areas		79200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	b) Restoring Scrublands		132000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Restoring/ planting Sea-buckthorn		264000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	d) Restoration of Mangroves		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	e) Ravine reclamation		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
Sub Mission 2: Ecosystem restoration and increase in forest cover	f) Restoration of adandoned mining area		264000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	3	2.64	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**3**	**2.64**	**0**	**0.00**	0.00	0.00
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	a) Plantation in Urban & Peri-urban areas		264000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	8	8.45	0	0.00	12	12.67	12	2.96	12.00	2.96
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**8**	**8.45**	**0**	**0.00**	**12**	**12.67**	**12**	**2.96**	12.00	2.96
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	a) Farmer's land including current fallows	Farmer's land	52800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	21120	58	12.25	0	0.00	290	61.25	44	5.40	44.00	5.40
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**58**	**12.25**	**0**	**0.00**	**290**	**61.25**	**44**	**5.40**	44.00	5.40
	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	16896	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	11	7.76	0	0.00	57	42.36	57	26.08	57.00	26.08
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**11**	**7.76**	**0**	**0.00**	**57**	**42.36**	**57**	**26.08**	57.00	26.08
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	63360	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	12672	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	**255**	**8.42**	**0**	**0.00**	**176**	**5.79**	**0**	**0.00**	0.00	0.00
Total A				**646**	**161.83**	**570**	**80.59**	**1077**	**239.81**	**830**	**117.24**	1400.00	197.83
Activities Cost				0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
Research (2% of A)				0	3.24	0	0.30	0	4.80	0	0.00	0.00	0.30
Publicity/Media/outreach activities (1% of A)				0	1.62	0	0.05	0	2.40	0	0.00	0.00	0.05
Monitoring and Evaluation (1% of A)				0	1.62	0	0.00	0	2.40	0	0.00	0.00	0.00
Livelihood improvement activities, (17% of A)				0	27.51	0	0.30	0	40.77	0	3.20	0.00	3.50
Strengthening local-level institutions (5 % A)				0	8.09	0	0.00	0	11.99	0	0.00	0.00	0.00
Strengthening FDs (5% A)				0	8.09	0	0.00	0	11.99	0	0.00	0.00	0.00
Mission Organisation, operation and maintenance,				0	6.47	0	0.00	0	9.59	0	0.00	0.00	0.00
Total B				**0.00**	**56.64**	**0.00**	**0.65**	**0.00**	**83.93**	**0.00**	**3.20**	0.00	3.85
Grand Total (A+B)				**646**	**218.47**	**570**	**81.24**	**1077**	**323.74**	**830**	**120.44**	1400.00	201.68

Chapter 5: 5.1- Landscape details for L 1 Landscape (iii)- Satpuda-Narmada: Hoshangabad Forest Division

Hoshangabad district lies in the Narmada River valley and the Narmada form the northern boundary of the district.

Another major river of the district is Tawa which is tributary of Narmada River. The water reservoir on Tawa River provides irrigation to a large part of the district, which is known for its wheat and soybean production. Tawa dam is a major irrigation system in the district. About 60% of the total area of Hoshangabad district is irrigated by Tawa canal system. Another important river is Denwa which originates from south – eastern part of the district and flows from east to west before joining Tawa river. The other prominent rivers of the district are Moran, Ajnal, Ganjal and Dudhi. A large part of the district is covered by beautiful mountain ranges of Satpuda hills and famous hill station Pachmadi is located in these hills. The district is situated between $21^{0}53'$ to $22^{0}59'$ latitude and $76^{0}47'$ to $78^{0}44'$ longitude. The altitude varies from 220 meter to 780 meter above mean sea level. The average rainfall of the district is 1225 mm and temperature varies from minimum average temperature 15^{0} c to max. average temperature of 34^{0} c. The total area of the district is 6703 sq. km. and the famous Satpuda Tiger Reserve lies in the beautiful forests of the district. Geographically the district can be divided into two prominent formations, the plateau of Budhimai and Satpura Mahadev mountain ranges. The area may be divided into three zones on the basis of the Physiography (1) the Satpura range in the south, (2) An alluvial plain in the middle and (3) Badland topography zone confined to the vicinity of Narmada river. The maximum width of the valley between Satpura and Narmada river is about 30 kms. Soils of the area are characterized by black grey, red and yellow colors, often mixed with red and black alluvium and ferruginous red ravel or lateritic soils. These soils are commonly known as black soils. About 15% of the area is covered by sandy loam soils immediately on the high bank of Tawa river. Remaining part is occupied by clay loam with big pockets of sandy clay loam and sandy loam. District is very rich in the field of agriculture due to good sources of irrigation and fertile alluvial soil. Wheat and gram are the main crops grown during Rabi season. Soya bean, Mustard, Til and Groundnut are the main oilseeds produced here. The farmers have started the production of Sunflowers and Basmati variety of Paddy also.

There is one territorial forest division and one National Park in the district. For the purpose of Green India Mission, L2 landscapes selected lie in Hoshangabad Territorial Forest Division.

2.4.1 Forest: -

Forests of Hoshangabad Division are mainly Teak forests corresponding to South Tropical Dry Deciduous Teak forest class. The other one is Mixed forest of Southern Tropical Dry Deciduous Mixed forest class. The main species of the forest are Teak, Saja, Dhawda, Haldu, Gurjan, Tendu, Achar,Tinsa etc. Dendrocalamaus strictus is the only bamboo species occurring in the forest. The forest area distribution is as follows: -

Reserve Forest	Protected Forest	Total(ha)
67462.352	45502.798	112965.15

About half portion of the forest tract is hilly and lies in Satpura mountain range. The regeneration of Teak species in the forest is not satisfactory.

2.4.2 Wild Life: -

Satpura Tiger Reserve is situated adjacent to Hoshangabad forest division and the forest of this division serve as buffer zone for the tiger reserve. The forests of Hoshangabad division are also valuable component of the wild life corridor between Satpura – Melghat Tiger Reserves. Among big carnivores Leopard is found predominantly. Tiger sighting is also reported in the area. Other carnivores like hyena, wild dog, jackal, wild cat are also found in the area. Herbivore species found in the area are blue bull, spotted deer, sambhar, barking deer, wild boar, sloth bear, chinkara etc.

2.4.3 Dependence on forest:-

There are total 644 villages in the division out of which 351 villages are situated within a range of 5 km. from forest boundary. The northern part of the district is well connected with the network of irrigation canal of Tawa Reservoir where as the southern part, which has good forest area, is comparatively less irrigated. It is in this area where most of the forest villages are situated. The economy is mainly based on agriculture and forest resources. A large chunk of the farmers are of small land holdings. The dependence of people living near forest on forest for fuel wood, fodder and small timber is too high. As per working plan estimate the annual requirement of timber is 6997 cmt, fuel wood is 252213 quintal and bamboo are 4013790 pieces. For most of the requirement people are dependent on forests where annual timber production is 5000cmt, fuel wood is 24000 quintals and bamboo are 50000 pieces. Thus, the gap in demand and supply is too high. Besides, there are 335701 cattle's in the district which is equivalent to 335548 cattle units. The grazing carrying capacity of the forest of Hoshangabad district is about 118047 cattle units only. Since most of the cattle depend on forest for their fodder requirement, thereby exerting great pressure on forest. Taser silk rearing on Sajak trees in the forest is a prominent activity in the district which provides additional income to the villagers.

2.4.4 Joint Forest Management: -

To garner the support of the local communities for forest protection and management following JFMCs have been constituted in the division: -

Forest Protection Committee	Village Forest Committee	Total
154	71	225

Total 1119 sq. km. area which is about 99 % of the forest area of the division, has been assigned to these committees. Thus, almost the whole division has been brought under Joint Forest Management.

2.4.5 L-2 Landscapes selected in Hoshangabad District: -

Following 02 milli watersheds of the division have been selected as L2 landscapes for 2018-19: -

Table 50: Hoshangabad selected L2 landscape details-

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D5A2b	5819.317	1091.807	452.343	7363.467	5714.167	13077.63
2.	5D3D6k	5947.253	128.932	491.612	6567.797	63.845	6631.642
Total		**11766.57**	**1220.739**	**943.955**	**14204.264**	**5778.012**	**19709.272**

Thus, the milli watersheds selected as L2 landscapes for Hoshangabad district have an area of 19709.272 ha. These 02 milli-watersheds are the operational units for implementation of GIM. The selected 02 milli-watersheds, possess forest as well as non forest area. These 02 milli watersheds have 15 micro watersheds which have forest as well as non forest area. The forest area in the milli –watersheds is largely dense forest which needs measures to supplement natural regeneration.

Figure: 26- Details of selected L 2 Landscape: Milli-watershed detail

Figure: 27- Details of selected L 2 Landscape: Milli-watershed detail

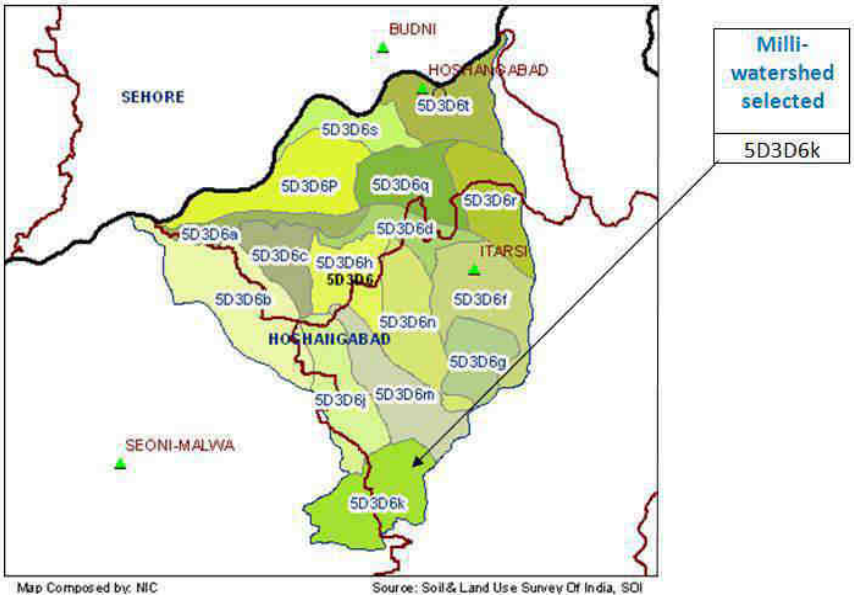


Figure: 28- Details of selected L 2 Landscape: Milli-watershed detail

Figure: 29- Details of selected L 2 Landscape: Milli-watershed detail

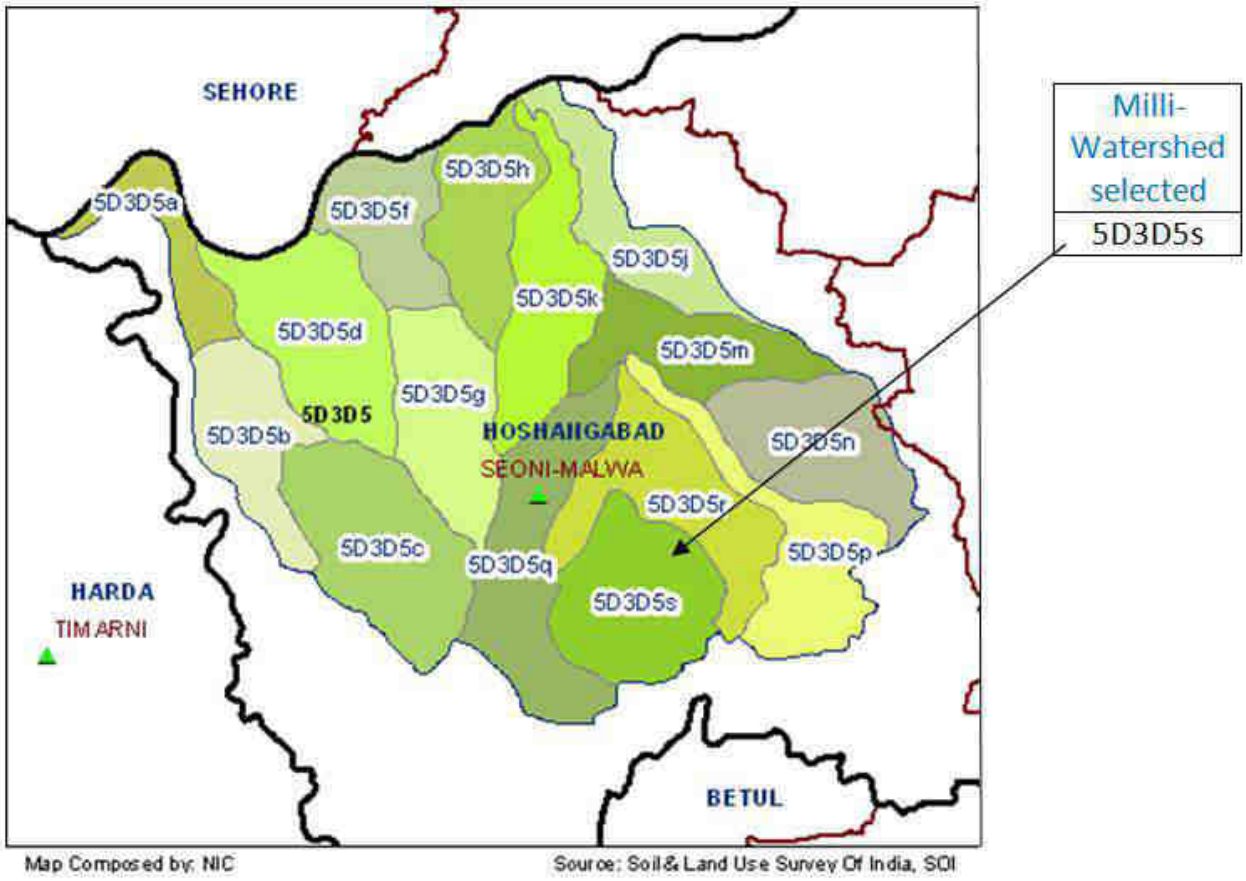
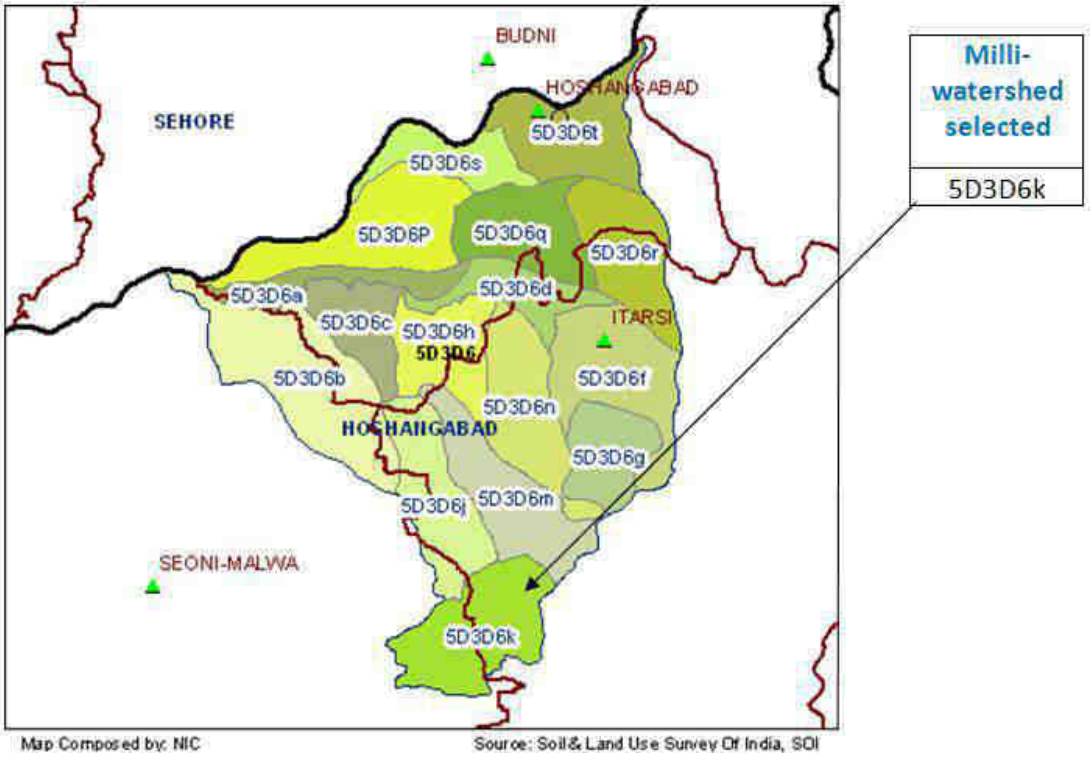


Figure: 30- Details of selected L 2 Landscape: Milli-watershed detail



2.4.6 L3 landscapes selected in Hoshangabad District: -

The 02 milli-watershed selected as L2 landscapes comprises of 15 micro-watersheds are the working unit of the GIM. These micro-watersheds of a particular milli-watershed have been taken up for treatment so that the milli-watershed is treated. The milli-watershed wise description of these micro-watersheds is as follows: -

2.4.6.1 Milli-watershed no. 5D5A2b :-

The micro-watersheds selected in this milli-watershed are as follows:-

Table 51: Hoshangabad selected L3 landscape 5D5A2b details-

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D5A2b1	538.765	114.833	84.704	738.302	1543.658	2281.96
2.	5D5A2b2	416.158	845.19	112.462	1373.81	318.407	1692.217
3.	5D5A2b3	1151.221	67.481	76.765	1295.467	417.038	1712.505
4.	5D5A2b4	915.11	7.81	34.578	957.498	425.453	1382.951
5.	5D5A2b5	186.22	56.344	3.197	245.761	1007.44	1253.201
6.	5D5A2b6	140.829	0.149	0.004	140.982	1113.75	1254.732
7.	5D5A2b7	1012.774	0	96.084	1108.858	614.942	1723.8
8.	5D5A2b8	1458.24	0	44.549	1502.789	273.479	1776.268
Total		**5819.317**	**1091.807**	**452.343**	**7363.467**	**5714.167**	**13077.63**

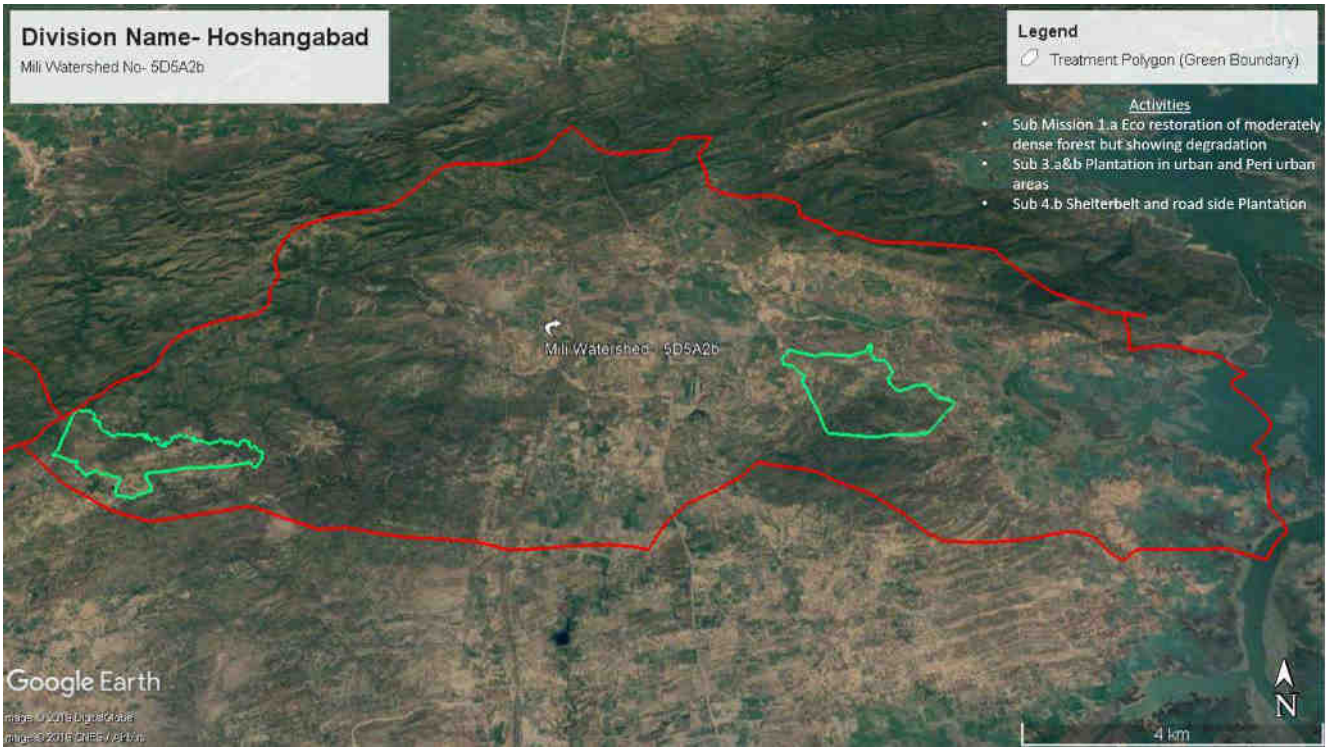


Figure:31- KML File of the L 3 Landscape under treatment

2.4.6.2 <u>Milli-watershed no. 5D3D6k</u>: -

The micro-watersheds selected in this milli-watershed are as follows:-

Hoshangabad selected L3 landscape . 5D3D6k details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D3D6k1	1112.197	17.645	49.348	1179.19	0	1179.19
2.	5D3D6k2	818.684	0	72.317	891.001	0	891.001
3.	5D3D6k3	1115.908	101.671	146.228	1363.807	0	1363.807
4.	5D3D6k4	763.896	9.616	31.761	805.273	0	805.273
5.	5D3D6k5	583.501	0	12.832	596.333	0	596.333
6.	5D3D6k6	791.055	0	53.126	844.181	50.757	894.938
7.	5D3D6k7	762.012	0	126	888.012	13.088	901.1
Total		**5947.253**	**128.932**	**491.612**	**6567.797**	**63.845**	**6631.642**

2.4.7 <u>Demography: -</u>

District Hoshangabad lies in the central Narmada valley and on the northern fringe of Satpura plateau. It lies between 21°53' and 22°59' North latitude and 76°47' and 78°44' East longitudes. In shape, it is an irregular strip elongated along the southern banks of Narmada river. Its greatest length from south-east to north-east is 160 kms. Northern boundary of the district is river Narmada.

Across this, the district of Raisen and Sehore lies. The district of Betul lies in the south, whereas the Harda district faces with the western and south-western boundaries and Narsimhapur and Chhindwara districts lies to the north-eastern and southeastern sides of the district respectively. As per the 2011 Census, its geographical area is 6,703 Sq.km. It is the 18th largest district of the state in respect of area which is 2.17% of the total area 308,244 Sq.km. of Madhya Pradesh. Physio-graphically the district may be divided under two natural divisions, viz., Satpura plateau and the Narmada valley.

TEMPERATURE

The district has a dry climate except during the south-west monsoon. The winter is from December to February followed by the summer from March to about second week of June. Two observatories, one each at Hoshangabad and Pachmarhi; rain gauge stations at Hoshangabad, Seoni-Malwa, Sohagpur, Makrai and Pachmarhi are in place. In general, the temperature begins to increase rapidly till May, which is generally the hottest month with the mean daily maximum temperature at 430c. and the mean daily minimum at 11^0c. The heat in summer is intense in the plain and on individual days the day temperature may go up above 45^0c. At Pachmarhi, being a hill station the summer is pleasant although the day temperature in the summer season may sometimes go up above 40^0c with relative humidity (about 20-25%).

RAINFALL

July is the rainiest month. On an average there are 53 rainy days in the district. With the withdrawal of the monsoon during the end of September there is a slight increase in day temperatures in October but the nights become cooler. From about mid-November both day and night temperature decrease rapidly. December and January form the coldest part of the year.

As per 2011 census data of the district are as follows: -

Total area of the district		6703.00 sq.km.
Literacy rate		75.3
No. of villages		961
No. of households		257199
Population	Rural	851364
	Urban	389986
	Total	1241350
Population	Male	648725
	Female	592625
	Total	1241350
Scheduled caste population		205007
Scheduled tribe population		197300

Kesla: Kesla is a village placed in Kesala Block of Hoshangabad district in Madhya Pradesh. Positioned in rural region of Hoshangabad district of Madhya Pradesh, it is one among the 119 villages of Kesala Block of Hoshangabad district. According to the administration records, the village code of Kesla is 487365. The village has 689 homes.

1.3 Population of Kesla Block

1.4 According to Census 2011, Kesla's population is 3365. Out of this, 1712 are males whereas the females count 1653 here. This village has 404 kids in the age bracket of 0-6 years. Out of this 194 are boys and 210 are girls.

1.5 Literacy rate of Kesla

1.6 Literacy rate in Kesla village is 66%. 2250 out of total 3365 population is literate here. In males the literacy ratio is 73% as 1252 males out of total 1712 are literate while female literacy rate is 60% as 998 out of total 1653 females are literate in this Village. The Negative side is that illiteracy ratio of Kesla village is 33%. Here 1115 out of total 3365 people are illiterate. Male illiteracy ratio here is 26% as 460 males out of total 1712 are uneducated. In females the illiteracy ratio is 39% and 655 out of total 1653 females are illiterate in this village.

Brief Profile of Milli-Watershed (5D5Ab):

Table 52 – Hoshangabad selected area List of Villages

Divisions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Panchayat	Name of the Committee (JFMC's)
Hosangabad	Itarasi, Sukhtawa	5D5Ab	Saheli, Kubdakhedi, , Khatama, Bailawada, Kesla, Morepani, Jalikeda	154, 157, 156, 132,123, 149, 42, 72, 74, 75, 76, 47, 49	Saheli,Kohda, Pathrouta, Pipariyakalan, Dobitalpura, Taku, Morepani	Saheli, Lalpani, Kubdakhedi, Chandrakhar, khatama, Rajamariyar, Bhumkapura, Kesla, Morepani, Jalikeda, Gomti
			Chichadhana, Chandrakhar, Bhumkapura		*(Data Not found in census2011)*	

Table 53 – Hoshangabad The key demographic information is as below

	Saheli	Kubdakhedi	Khatama	Bailawada	Kesla	Morepani	Jalikeda
Total Population	1470	286	496	733	3365	1502	297
Male	763	142	244	377	1712	759	166
Female	707	144	252	356	1653	743	131
Total Households	291	55	95	145	689	267	63
Average members per HHs	5.0	5.2	5.2	5.0	4.9	5.6	4.7
Total Child (0-6years) population	228	44	92	115	404	280	56
Male (0-6 years) population	116	21	41	62	194	144	35
Female (0-6 years) population	112	23	51	53	210	136	21

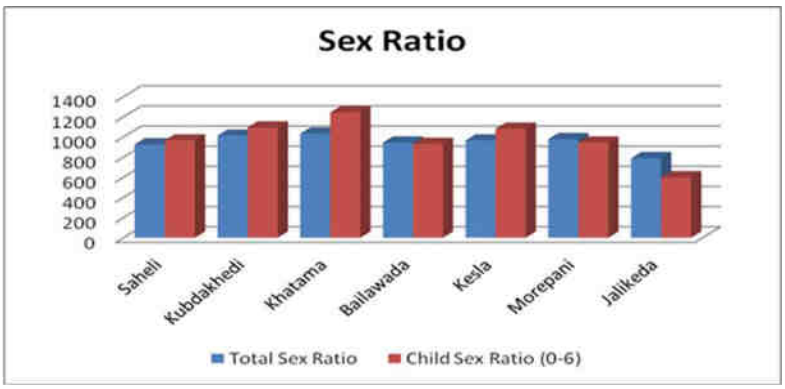
Sex Ratio

The overall sex ratio of these villages are 950 , which implies that there are 950 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 980 of these villages.

Table 54 – Hoshangabad *Villagewise details are as follows*

	Saheli	Kubdakhedi	Khatama	Bailawada	Kesla	Morepani	Jalikeda
Total Sex Ratio	927	1014	1033	944	966	979	789
Child Sex Ratio (0-6)	966	1095	1244	931	1082	944	600

Figure 32: **Sex Ratio**



2.4.7.4 Population composition

The totals STs Population in these villages are 4357, which is 53.5% of the total population. Khatama and Morepani villages has highest percentage of tribal population of 95.8% and 89% respectively.

Figure 4: Population Composition

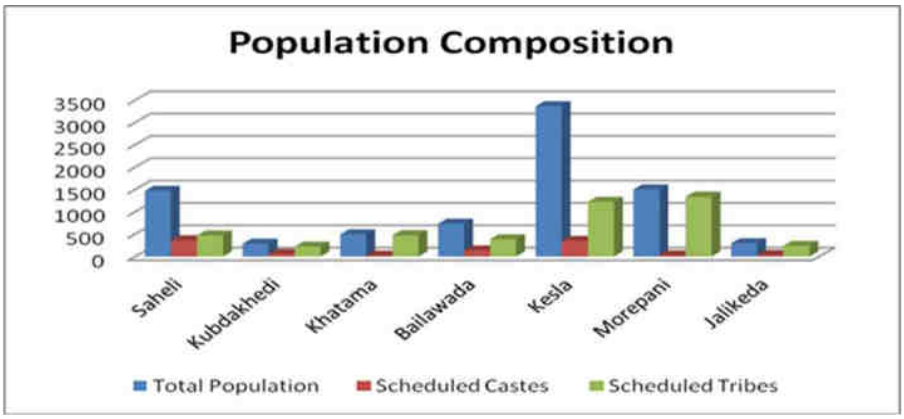


Table 55 – Hoshangabad population *Villagewise details are as follows*

	Saheli	Kubdakhedi	Khatama	Bailawada	Kesla	Morepani	Jalikeda
Total Population	1470	286	496	733	3365	1502	297
Scheduled Castes	362	55	20	135	349	25	33
Scheduled Tribes	472	224	475	386	1224	1337	239

2.4.7.5 Literacy Rate

The overall literacy rate (7 years and above) of these villages are 67.70%, in which male literacy is 75.98% and female literacy is 58.73% in these villages.

Table 56 – Hoshangabad literacy *Village wise Details are as follows:*

	Saheli	Kubdakhedi	Khatama	Bailawada	Kesla	Morepani	Jalikeda
Total Literacy	76.33	71.07	57.92	73.46	75.99	69.07	49.38
Male	85.47	78.51	66.50	81.27	82.48	78.86	58.78
Female	66.39	63.64	49.25	65.35	69.16	59.16	38.18

Figure 33: Literacy Rate

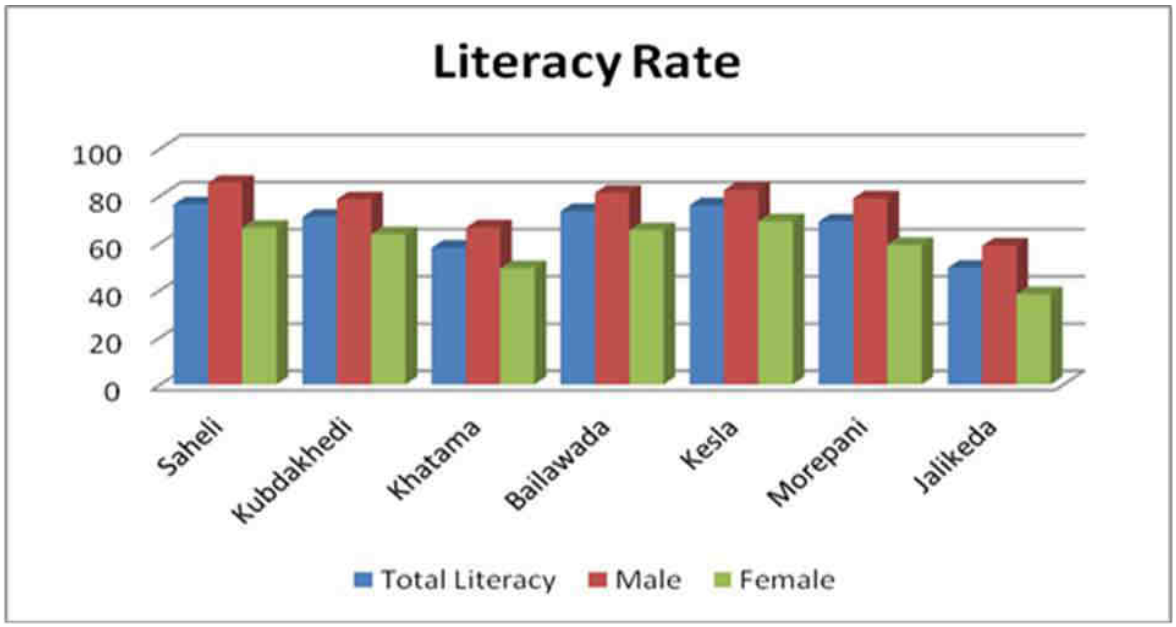


Table 57 – Hoshangabad Important Statistics relating to works participation

	Saheli	Kubdakhedi	Khatama	Bailawada	Kesla	Morpani	Jalikeda
Total Worker							
Total	560	91	266	287	1288	857	162
Male	402	66	138	174	893	426	98
Female	158	25	128	113	395	431	64
(i) Main Worker							
Total	454	87	41	208	700	459	63
Male	354	64	31	127	549	224	42
Female	100	23	10	81	157	235	21
(ii) Marginal Worker							
Total	106	4	225	79	588	398	99
Male	48	2	107	47	344	202	56
Female	58	2	118	32	244	196	43
Non-Worker							
Total	910	195	230	446	2077	645	135
Male	361	76	106	203	819	333	68
Female	549	119	124	243	1258	312	67

Socio Economic and Caste Census (SECC) 2011,
Village wise information of households
Gram Panchayat: SAHELI

#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\Mother's Name	Deprivation count	Auto Inclusion\ Deprivation code	Total Members
	Village:Saheli							
1	MANOJ YADAV\मनोज यादव	M	30	Other	लखन लाल\राधा बाई	AI	AI1,--,--,--,--	1
	Village:HiranChapda							
2	AARTI BAI\आरती बाई	F	13	ST	मेलाराम\आशा बाई	1	--,--,--,--,D5,--,--	10
3	ANIL\अनिल	M	23	ST	अशोक\श्याम बाई	3	--,--,--,--,D5,D6,D7	4
4	ANJANA BAI\अंजना बाई	F	5	ST	पता नहीं\भागवती बाई	2	--,--,--,--,D5,D6,--	9
5	ANURAG\अनुराग	M	7	ST	पता नहीं\श्याम बाई	2	--,--,--,--,D5,D6,--	9
6	BALAK DAS\बालकदास	M	30	ST	मुंशी\दुल्लोबाई	3	--,--,--,--,D5,D6,D7	5
7	BALWAN\बलबान	M	34	ST	शिवप्रसाद\वु न्दो बाई	2	D1,--,--,--,D5,--,--	6
8	CHANNOOLAL\छन्नू लाल	M	51	ST	वारेलाल\चिरोंजिया बाई	1	--,--,--,--,D5,--,--	4
9	chtrpal\छत्रपाल	M	58	ST	मांगू\राधिया बाई	3	D1,--,--,--,D5,D6,--	2
10	DINESH\	M	37	ST	\	3	D1,--,--,--,D5,--,D7	3
11	GANESH\गनेश	M	29	ST	शंकर\मनोती बाई	4	D1,--,--,--,D5,D6,D7	4
12	GULAB\गुलाब	M	47	ST	चैतू\रामरती बाई	1	--,--,--,--,D5,--,--	7
13	HARIPRASAD\हरिप्रसाद	M	50	ST	मंगू\सुकिया भाई	1	--,--,--,--,D5,--,--	5
14	HEMRAJ\हेमराज	M	50	ST	शम्मू\मंगो बाई	2	--,--,--,--,D5,--,D7	7
15	HEMRAJ\हेमराज	M	47	ST	मेहक सिंह\पारवती बाई	1	--,--,--,--,D5,--,--	6
16	INDER PAL\इन्दर पाल	M	38	ST	प्यारेलाल\कमला बाई	1	--,--,--,--,D5,--,--	4
17	JAYPAL\जयपाल	M	39	ST	वारेलाल\चिरोंजिया बाई	1	--,--,--,--,D5,--,--	6
18	KAILASH\कैलाश	M	32	ST	विषराम\शांताबाई	1	--,--,--,--,D5,--,--	5
19	KAILASH\कैलाश	M	46	ST	लालजी\सुदियाबाई	1	--,--,--,--,D5,--,--	7
20	LAXMIBAI\लक्ष्मीबाई	F	32	ST	सीताराम\रामकुवर बाई	3	--,--,D3,--,D5,--,D7	5
21	MADAN\मदन	M	32	ST	मुंशी\दुल्लो बाई	4	D1,--,--,--,D5,D6,D7	6
22	MANOHAR\	M	32	ST	\	4	D1,--,--,--,D5,D6,D7	3
23	MANPHOOL\मनफूल	M	35	ST	सालकराम\रामकली बाई	1	--,--,--,--,D5,--,--	6
24	MOOLCHAND\मूलचंद	M	30	ST	शिवदीन\सुखवती	3	--,--,--,--,D5,D6,D7	4
25	MUNNALAL\मुन्नालाल	M	32	ST	श्रीलाल\रामरती बाई	2	--,--,--,--,D5,--,D7	4
26	MUNSHILAL\मुंशी लाल	M	62	ST	खेडू\शांति बाई	1	--,--,--,--,D5,--,--	8
27	OBHOO\ओभू	M	67	ST	जग्गू\मीराबाई	2	D1,--,--,--,D5,--,--	7
28	OM PRAKASH\ओमप्रकाश	M	42	ST	लालजी\सुदियाबाई	2	D1,--,--,--,D5,--,--	7
29	PARASRAM\परसराम	M	42	ST	कनक सिंह\रामप्यारी	2	--,--,--,--,D5,D6,--	5

2.4.8 Reason for selection of L2 landscapes: -

- Large no. of forest dependent population especially dependent on NTFP.
- Most of the population engaged in subsistence farming and dependent on agricultural labor for livelihood. There is 38 % of population working as agricultural laborer in the district.
- L2 landscapes selected are close to protected area and fall in and around the wildlife corridors between the Satpura and Melghat tiger reserve.
- Forest fires, fuel wood collection by local communities and in some places illicit felling of trees by organized gangs and local people is creating excessive biotic pressure on forest.Encroachment activities on forest land is creating additional pressure on forest.
- Shrinking water sources resulting in lowering water table.
- Selected landscapes form part of catchment of major rivers like Tawa, Denwa and ultimately Narmada.
- Area is rich in biodiversity but the natural regeneration in the forest is not very encouraging. Moderately dense forest require assistance in natural regeneration.
- Preperatory activities for GIM were undertaken in Hoshangabad Division.

2.4.9 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

-Assisted natural regeneration activities will be taken up in moderately dense forest area with plantation of endemic species to enhance the productivity of the forest.

-Degraded and open forest will be treated and protected so as to improve the quality of forests.

- Grazing will be regulated and native fodder species would be planted so as to reduce the biotic pressure on the forests.

-Effective forest protection measures shall be taken up.

- To reduce the pressure on forest Agro-forestry shall be encouraged in large scale.
- Since district is having a good network of canal system, plantation of local species shall be taken up along the canal tank bunds.
- Livelihood activities for the local communities will be taken up. District is known for tusser silk production on Saja and Lendia tree in forest area, this activity will be encouraged to expand in other areas.

-Use of Alternative energy sources like solar lighting, biogas, improved cooking stoves, improved chullah would be encouraged among the villagers so as to reduce their dependency on forest for fuel wood.

2.4.10 Proposed interventions: -

-Capacity building of forest personnel and strengthening of JFMCs – For this purpose JFMC level and Division level workshop and training program will be organized. Training will be provided to field staff and JFMC member on various aspects of forest management.

- Local leadership among the village youth shall be encouraged to motivate them for forest protection. These youth shall be trained in account keeping and forest management aspects.

-Protection and maintenance activities-The maintenance and protection of existing forest cover is as much important as the new plantation and treatment of degraded area. Local people shall be engaged for protection activities.

2.4.11 Cross cutting interventions proposed: -

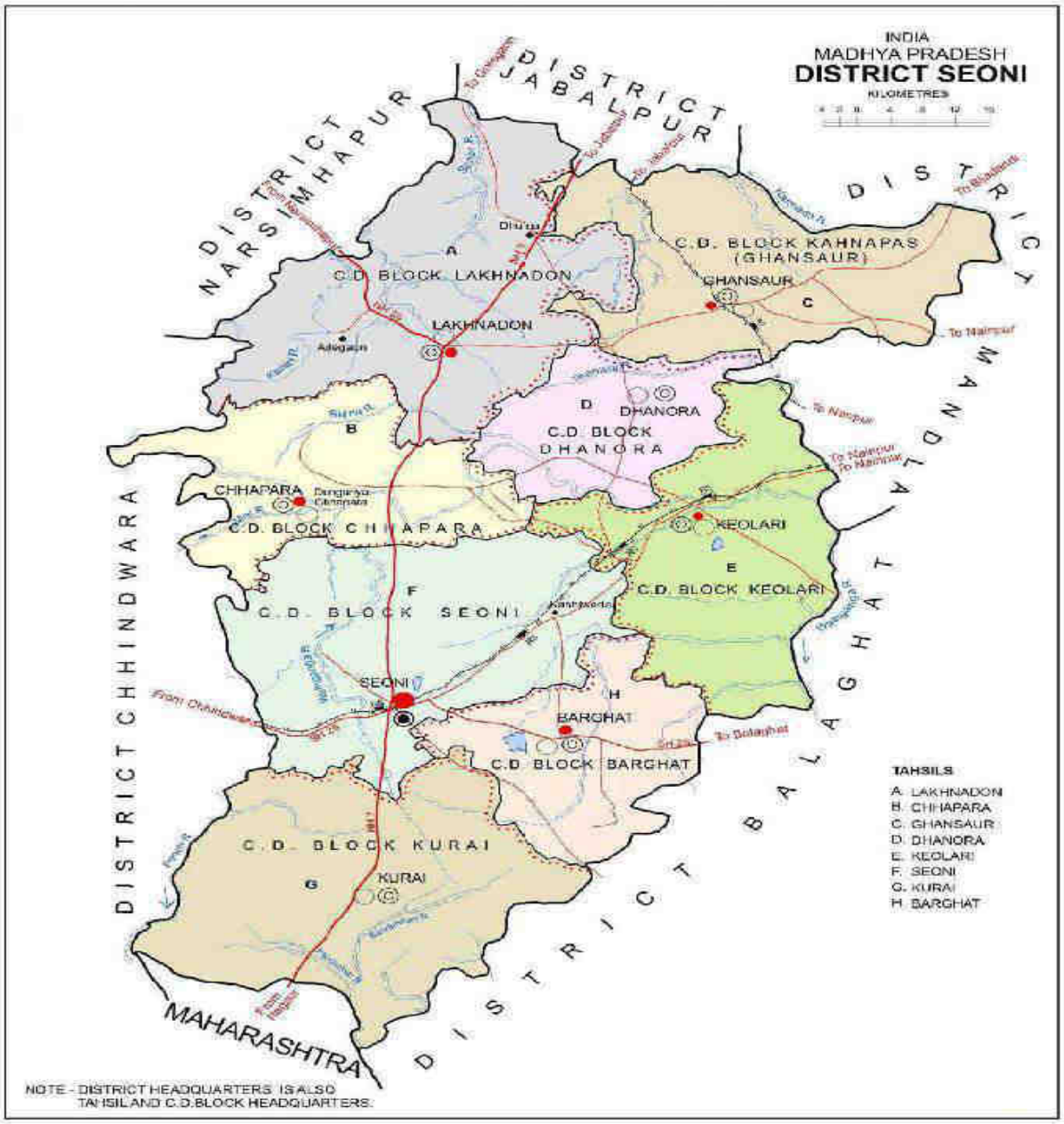
Efforts to be made to improve fuel-wood efficiency and promotion of alternative energy sources. Awareness about the fuel saving devices like pressure cooker, solar devices, bio-gas plants, etc. shall be spread in the selected area.

2.4.12 Livelihood improvement activities proposed: -

Assistance will be provided in various livelihood activities like Dairy farming, NTFP based livelihoods, Sewing machine, poultry farming, sericulture etc.

Chapter 5: 5.2- Landscape details for L 1 (iii) Landscape- Satpuda-Narmada: South Seoni Forest Division

Seoni, one of the biodiversity rich district of Madhya Pradesh, is located between $21^0$36' to 22^0 57' North latitude and 79^0 19' to $80^0$17' East longitude.



The district forms part of the Satpura table land, containing the headwaters of the river Wainganga which originates from village Rajola in Seoni district. The district is largely covered with forest and is remarkable for the beauty of its scenery and the fertility of its valleys. The world famous Pench Tiger Reserve is situated in the district. The northern and western portion includes the plateaus of lakhnadon and Seoni, the eastern section consists of the watershed and elevated basin of the Wainganga and in south- west is a narrow strip of rocky land known as Dongartal. The plateaus of Seoni and Lakhnadon vary in height from 1800 to 2000 ft. Geologically the north part of Seoni consist of trap hills and south of crystalline rock. The soil of the plateaus is the rich black

cotton soil formed by disintegrated trap, of which about two third of the district is said to consist, but towards the south the soil is siliceous and contain a large portion of clay. The chief river of the district is Wainganga. The annual rainfall is 1234 mm. The average temperature varies from 19^0 c during winter to 34^0 c in the summer.

There are two territorial forest divisions in district Seoni, besides a National Park and Forest Development Corporation Division. For Green India Mission propose South Seoni division has been selected. The buffer zone transferred to Pench tiger reserve has also been included in the plan. The terrain of the division varies from plain to undulating hilly area. Most of the forest area lies in the southern ranges of Satpuda hills. On the south of these hills lies the plain of Kurrai, Khawasa and Katangi and on the north is Seoni plateau. The average elevation is from 340 meter to 845 meter above mean sea level. Bawanthadi, Hirri, Pench and Wainganga are the main rivers of the area. Pachdhar and Chandni are main tributaries of Bawanthadi whereas Bander jhiria and Kapid-obha are the main tributaries of Hirri River.

2.5.1 Forest: -

Satpura hill range traversing the division is covered with dense forest. On the southern slopes of these ranges there are high quality Teak forest. Satpura hill ranges rise in the west in the form of a 8 to 10 km wide plateau and moves towards east up to Kurrai. In this area lie the plain of Khamba and Khawasa. These hill ranges after crossing Kurrai form a large formation of hills and valleys near Chandrapur and Sakata, which makes watershed area of Bawanthadi river.

Mainly teak and mixed forests are found in South Seoni division where bamboo is present in under storey. As per Champion and Seth classification these are South Indian Tropical Moist Deciduous Forest, Southern Tropical Dry Deciduous Forest and Southern Dry Mixed Deciduous Forests. At some places Salai (Boswellia) forests are also present. The main species of these forests are Teak, Saja, Dhawda, Bija, Mundi, Garari, Bamboo etc. Apart from Dendrocalamus strictus, Katang Bamboo (Bambusa arundinacea) is also found in the forest of South Seoni division. In the Kareligarh hill range of the division Teak is found in association with natural sandalwood at some patches.

The area wise distribution of forest in the division is as follows: -

Reserve Forest	Protected Forest	Other area	Total (Sq. Km.)
584.52	172.18	2.25	758.95

2.5.2 Wild Life

Kurrai, Khawasa and Ganginala forest block of the division are rich biodiversity area which provide suitable habitat to various wild animals. As a result, South Seoni division is rich in wild life. The main wild species found in the district are Tiger, Leopard, Hyena, Wild dog, Sloth bear,

Spotted deer, Bison, etc. Besides, Pench, Bawanthadi and Hirri river and various water tanks support good aquatic fauna also. The world famous Pench Tiger Reserve is adjoining to the South Seoni division which forms a buffer and extended habitat for the wild animals.

2.5.3 Dependence of forest

There are 819 villages in the division out of which 519 villages are within the 5 km distance from the forest boundary. The above figures clearly show that about 89% of the population resides near forest. Most of this population is dependent on forest for their various basic needs. As per working plan estimate the annual requirement for timber is 28274 cmt., for fuel wood is 407747 cmt. and 2033312 pieces of Bamboo are required every year. For supply of these produce to villagers, forest department has opened 59 nistar depots but the gap between demand and supply is too high. Similarly, there are 375196 cattle units in the division where as the grazing capacity of the division is only 86554 cattle units which shows the amount of pressure on the forest.

2.5.4 Joint Forest Management

In South Seoni division there are 519 villages located within a periphery 5 km. from the forest. The occupants of these villages have a major role to play in the protection and management of the forest. To ensure their active participation, total 376 JFMCs have been constituted in the division.These include 253 Forest Protection Committees and 123 Village Forest Committees. A total 1059 sq km. of forest area has been assigned to these JFMCs.

2.5.6 L-2 Landscapes selected in Seoni District: -

Following 02 milli watersheds of S. Seoni division have been selected as L2 landscapes in 2018-19:-

Table 58: L 2 landscapes South Seoni Division mili watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1	4E5G4r	1576.41	313.958	151.435	2041.8	6761.4	8803.2
2	4E5H5c	2267.99	966.661	1121.7	4356.4	2188.18	6544.58
Total		**3844.4**	**1280.619**	**1273.135**	**6398.2**	**8949.58**	**15347.78**

Thus the milliwatersheds selected as L2 landscapes for S.Seoni division have an area of 15347.78 ha. These 02 milli-watersheds are the operational units for implementation of GIM. All the 02 milliwatersheds possess forest as well as non forest area. These 02 milliwatersheds have 67 microwatersheds out of which 04 microwatersheds taken up have forest as well as non forest areas.

Figure: 34- Details of selected L 2 Landscape: Milli-watershed detail

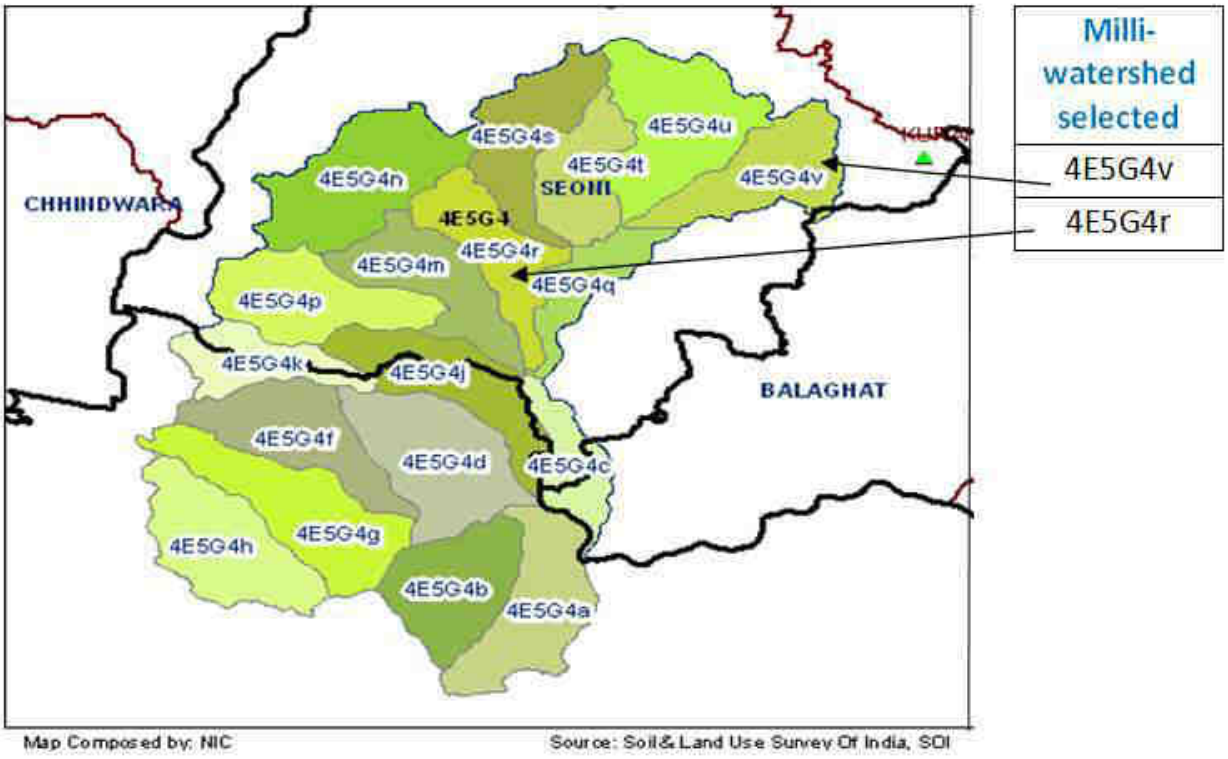
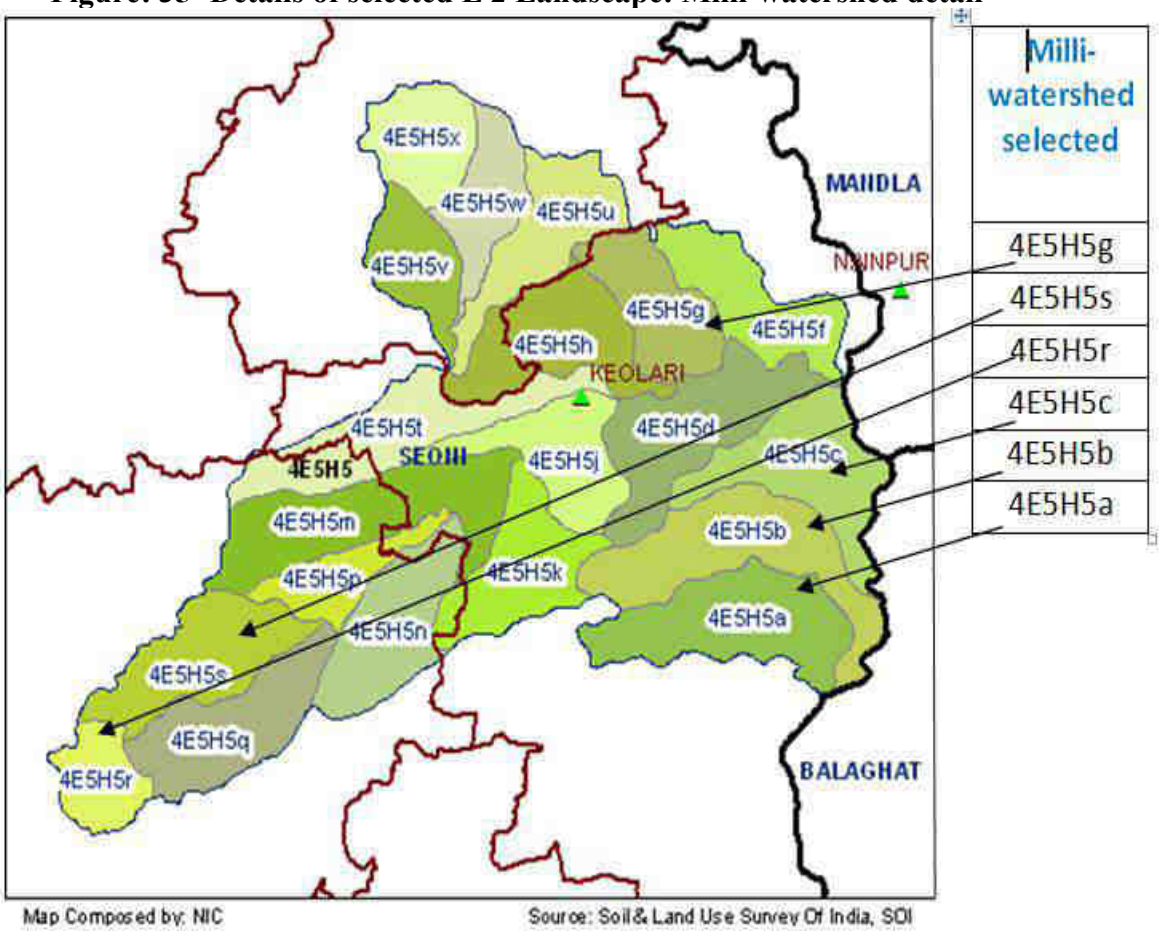


Figure: 35- Details of selected L 2 Landscape: Milli-watershed detail



2.5.7 L3 landscapes selected in Seoni District: -

The 02 milli-watershed selected as L2 landscapes comprises of 13 micro-watersheds which are the working unit of the GIM. The milli-watershed wise description of these micro-watersheds is as follows: -

2.5.7.1 Milli-watershed no. 4E5G4r: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 59: L 3 landscapes South Seoni Division mili watershed 4E5G4 details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	4E5G4r1	212.045	142.513	45.639	400.197	619.956	1020.153
2.	4E5G4r2	467.446	46.1	53.63	567.176	383.013	950.189
3.	4E5G4r3	635.927	111.65	44.97	792.547	662.681	1455.228
4.	4E5G4r4	260.991	13.695	7.196	281.882	423.316	705.198
5.	4E5G4r5	0	0	0	0	1206.686	1206.686
6.	4E5G4r6	0	0	0	0	1279.832	1279.832
7.	4E5G4r7	0	0	0	0	899.651	899.651
8.	4E5G4r8	0	0	0	0	1286.264	1286.264
Total		**1576.409**	**313.958**	**151.435**	**2041.802**	**6761.399**	**8803.201**

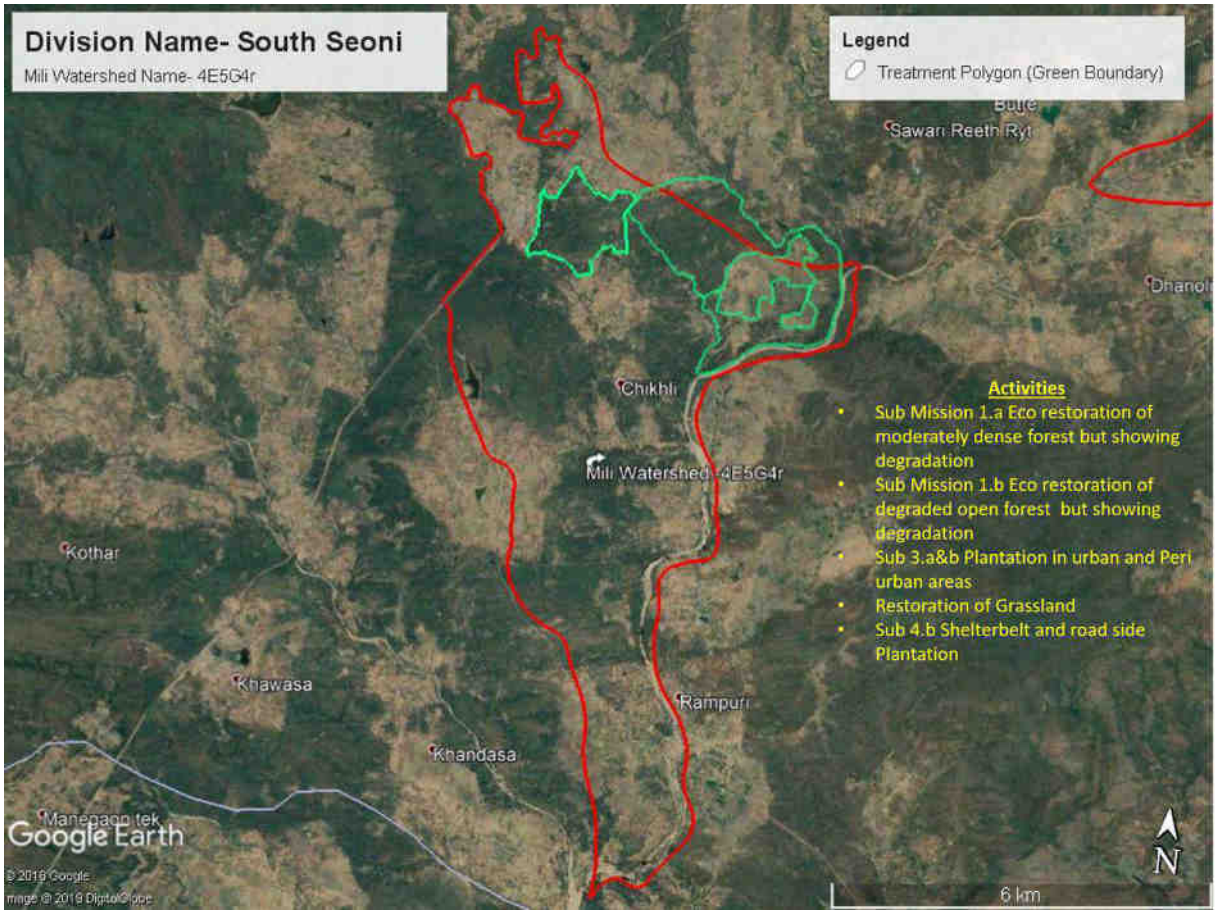
2.5.7.2 Milli-watershed no. 4E5H5c:-

The micro-watersheds selected in this milli-watershed are as follows: -

Table 60: L 3 landscapes South Seoni Division mili watershed 4E5H5c details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	4E5H5c1	0	21.046	7.452	28.498	877.884	906.382
2.	4E5H5c2	410.653	347.811	10.931	769.395	329.299	1098.694
3.	4E5H5c3	728.1	106.038	649.922	1484.06	136.45	1620.51
4.	4E5H5c4	678.249	357.73	1.728	1037.707	192.895	1230.602
5.	4E5H5c5	450.991	134.036	451.714	1036.741	651.655	1688.396
Total		**2267.993**	**966.661**	**1121.747**	**4356.401**	**2188.183**	**6544.584**

Figure:36- KML File of the L 3 Landscape under treatment



2.5.8 Reason for selection of L2 landscapes: -

- The selected L2 landscape are representative of a large tract of central India Teak dominated Tropical dry deciduous forests which are suitable habitat for Tiger.
- Due to biotic pressure floral biodiversity is getting reduced. It is affecting regeneration of important species.
- There is soil erosion in sloppy areas, loss of regeneration due to repeated forest fire, growth of obnoxious weeds. These are affecting floral biodiversity.
- Most of the people living in the vicinity of forest are Schedule tribes and most of them are very poor living below poverty line.
- Large area within L2 landscape is under stocked and dense vegetation need to be reclaimed with improvement activities.
- Bamboo forest in the area is under severe pressure and needs special attention.
- Forest dwellers adopting uncontrolled and unskilled methods for collection of NTFP resulting in the decreased production of NTFP in the area.
- Shrinking water sources.
- Area falling in the crucial Pench –Kanha wildlife corridor.
- Preparatory activities for GIM were undertaken in South Seoni Division.

2.5.9 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations:-

- Enhancement of forest cover in forest and non forest land.
- Improvement of quality of dense forest by assisting natural regeneration.
- Protection and enrichment of bamboo forest by under planting of bamboo.
- Restoration of degraded and open forest.

- Restoration of grasslands.
- Restoration of wet lands.
- Income generating activities like dairy, poultry and other cottage industry to be assisted.
- Encourage local villagers for plantation of fruit trees and bamboo in their field; this will not only increase the tree cover but also enhance their economy also.
- Raising fuel and fodder plantation in village area also to decrease dependency of local villagers on forest.
-Soil water conservation works in village as well as forest area on extensive basis to raise the water level of the area and to improve water availability for wild animals in the forest area .

2.5.10 Proposed interventions: -

- Strengthening of Forest department and JFMCs by organizing JFMC level and Division level workshop and training program and awareness generation on GIM. Training will be provided to field staff and members on PRA micro-planning, watch and ward activities and on establishing convergence.
- Capacity building of young and educated youth members of JFMCs in forest protection and management aspects.
- Protection and maintenance activities-The maintenance and protection of existing forest cover is as much important as the encouraging new plantation and treatment of degraded area. Peoples participation to be ensured in this objective.

2.5.11 Cross cutting interventions proposed: -

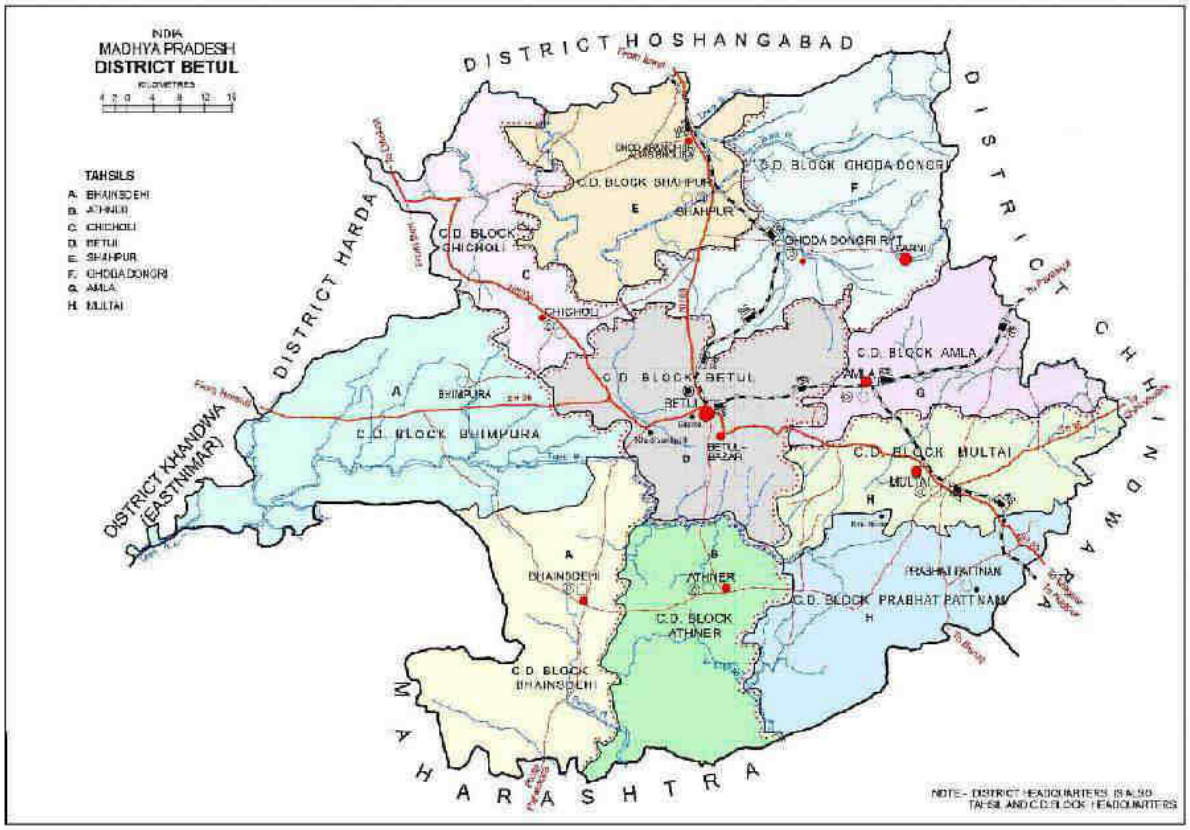
- Promoting alternative energy sources.
- Encouragement for non destructive harvesting of NTFP.

2.5.12 Livelihood improvement activities proposed: -

Dairy farming, NTFP based livelihoods, skill upgradation trainings, Poultry farming,lac cultivation to be strengthened.

Chapter 5: 5.3- Landscape details for L 1 Landscape (iii)- Satpuda Narmada: North & West Betul Forest Division

In L 1 Landscape (iii): Satpuda Narmada, Betul is one of the southern districts of Madhya Pradesh which form boundary with Maharastra state. This district lies almost wholly in the Satpura Plateau.



It occupies nearly the whole width of the Satpura ranges between the valley of Narmada on the north and the bearer plains on the south. Being located on Satpura hill range, the terrain is hilly with small hillocks spread all over. The district extends between $21^0$22' to $22^0$24' north latitude and $77^0$10' to $78^0$33' east longitude and forms a compact shape, almost a square with slight projection on east and the west. The altitude ranges between 353 meter above mean sea level to 1078 meter above mean sea level. The country is essentially a highland tract, divided naturally into three distinct portions, differing in their superficial aspects, the character of their soil and their geological formation. The northern part of the district forms an irregular plain of the sandstone formation. It is a well-wooded tract, which has a very sparse population and little cultivated land. In the extreme north a line of hills rises abruptly out of the great plain of the Narmada valley. The central tract alone possesses a rich soil, well watered by the Machna River and Sapna dam, almost entirely cultivated and studded with villages. To the south lies a rolling plateau of basaltic formation (with the sacred town of Multai, and the springs of the Tapti River at its highest point), extending over the whole of the southern face of the district, and finally merging into the wild and broken line of the Ghats, which lead down to the plains. This tract consists of a succession of stony ridges of trap rock, enclosing valleys of basins of fertile soil. The climate of Betul is fairly healthy. Its height above the plains and the neighborhood of extensive forests moderate the heat, and render the temperature pleasant throughout the greater part of the year. During the cold season the thermometer at night falls below the freezing point, little or no hot wind is felt before the end of April and even then it ceases after sunset. The nights in the hot season are comparatively cool and pleasant. During

the monsoon the climate is very damp and at times even cold and raw, thick clouds and mist enveloping the sky for many days together. Average temperature varies from 10^0 c in winter to 41^0 c dry summer. The average annual rainfall is 1100 mm.

The major rivers flowing in the district are the Ganjal River (a tributary of the Tapti River), and the Morand River and the Tawa River (tributaries of the Narmada River). The Tapti River originates from Multai in the Betul district. Betul district possesses large coal reserves and is known for Northern Coal Field Limited mines at Patha Kheda. Soil is basically sandy, red murram, clay loam and black soil.Due to abundance of forest in the district, there are three territorial forest divisions in the district namely North, South & West territorial forest division and one Forest Development Corporation is also there. For the purpose of GIM, L2 landscapes have been selected in North territorial forest division and West territorial forest division of Betul district.

2.6.1 Forest:-

Forest of Betul district are mainly teak forest belonging to Southern Tropical Dry Deciduous Teak Forest class. Other than this mixed forest of Southern Tropical Dry Deciduous Mixed Forest class is also present in the district. Forest density ranges from 0.2 to 0.8 and major species are Teak, Saja, Dhawda, Baheda, Mahua, Salai, Lendia, Moyan, Tendu, Palash etc. At many places teak and mixed forest are interspread with Bamboo species. The area wise distribution of the forest is as follows: -

Area in sq.km.

Division	RF	PF	other	Total
North Betul	1011.89	163.75	16.10	1191.74
West Betul	600.51	223.35	150.21	974.07

2.6.2 Wildlife: -

Forest of Betul district provide a safe habitat for various wild animals. Machna, Tapti and other river possesses water throughout the year at many places which caters to the need of wild animals. The crucial wildlife corridor between Satpura and Melaghat Tiger Reserve also passes through the forests of Betul district. The prominent wild animals found in the forest of Betul district are Tiger, Leopard, Bison, Sloth bear, Spotted dear, Neelgai, wild boar, hyena etc.

2.6.3 Dependence on forest: -

There are 1344 villages in the district, out of which 1206 villages are situated with 5 km. radius of the forest boundary. Large number of population is dependent on forest for their basic needs of fuel wood, fodder, timber and bamboo. As per working plan estimates the annual requirement of the district is as follows: -

Sr. No.	Item	Annual Requirement
1.	Timber	102975 cmt.
2.	Fuel wood	561426 cmt.
3.	Bamboo	4143570 no.

For most of the requirement of timber, fuel wood and bamboo people are dependent on forest area. Similarly, for fodder requirement also the villages are dependent on forest. In Betul district as per working plan estimate there are 1091953 cattles which make 11,66,258 cattle units, where as the grazing carrying capacity of the forest is just 424146 cattle units. Thus, the grazing pressure on forest is almost 3 times of the carrying capacity.

2.6.4 Joint Forest Management: -

There are 1344 revenue villages in the district out of which 1206 villages lie in the periphery of 5 km. from forest boundary. The inhabitants of these villages have a very important role in the protection of forest. To ensure their active participation in the management of forest total 642

joint forest management committees have been constituted in the district. In North Betul division there are 174 JFMCs(160 Forest Protection Committees and 14 Village Forest Committees) where as in West Betul division there are 165 JFMCs(141 Forest Protection Committees and 24 Village Forest Committees).In North Betul 1108.26 sq. km. and in West Betul 962.35 sq. km. area has been assigned to these JFMCs.

2.6.5 L-2 Landscapes selected in Betul District:-

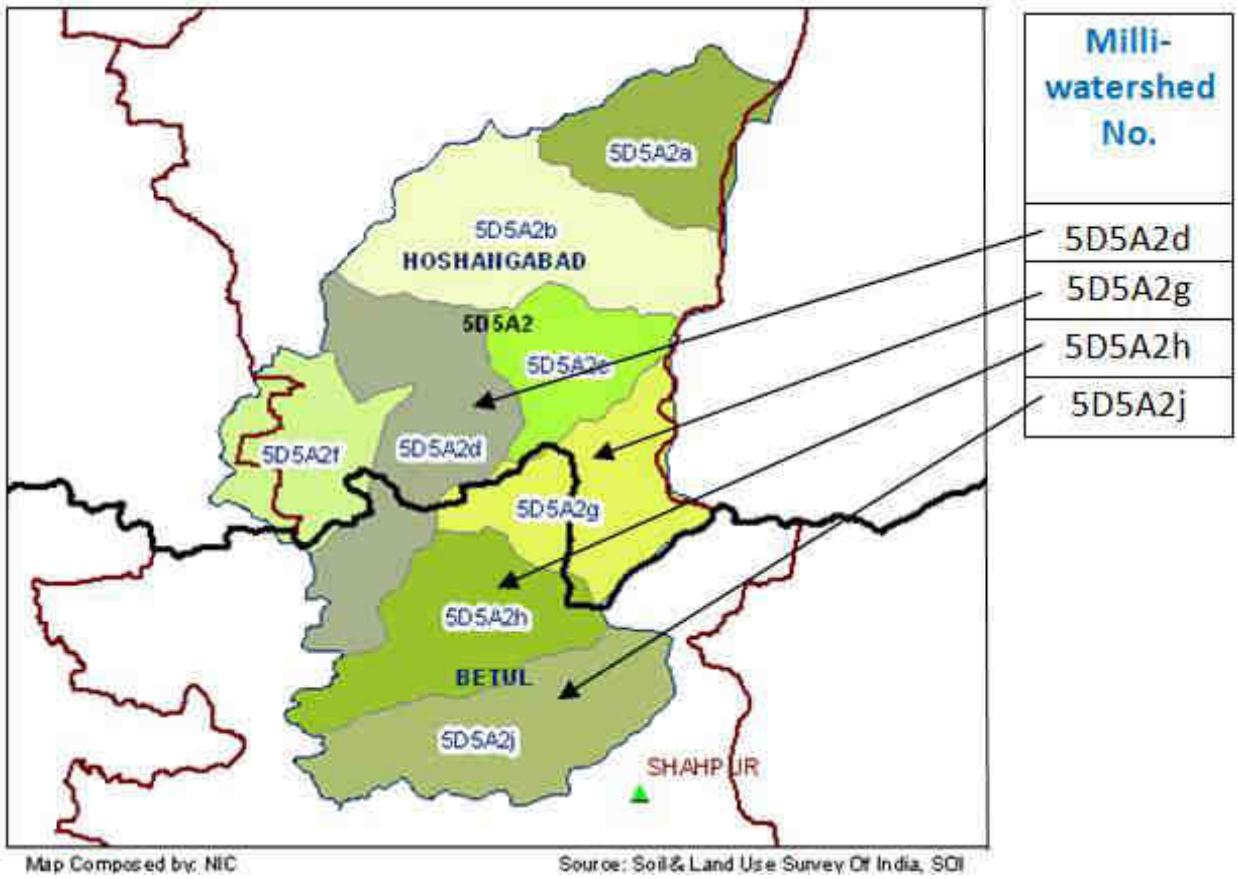
Following 02 milli watershed of the North Betul Division and 01 milli watersheds of West Betul Divisions have been selected as L2 landscapes for 2018-19:-

North Betul Division

Table 61: L 2 landscapes North Betul Division mili watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1	5D5A2h	3622.99	1063.96	754.283	5441.23	4139.34	9580.58
2	5D5A2j	4073.53	696.507	835.679	5605.71	5735.51	11341.2
Total		**7696.52**	**1760.467**	**1589.962**	**5497.801**	**9874.51**	**20921.78**

Figure: 37- Details of selected L 2 Landscape: Milli-watershed detail

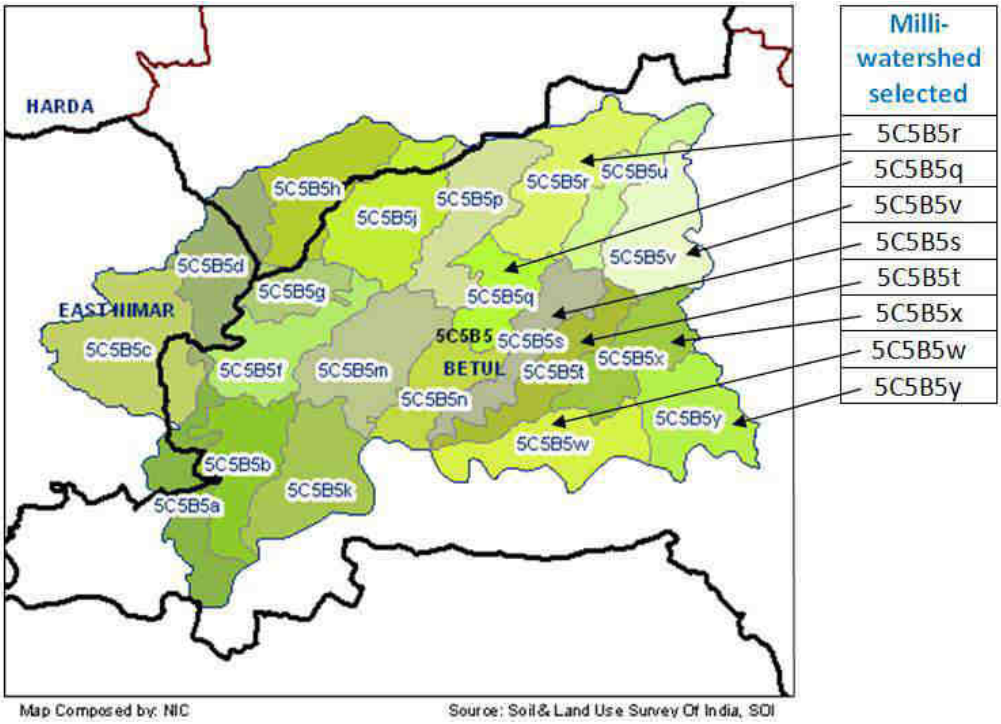


West Betul Division

Table 62: L 2 landscapes West Betul Division mili watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5C5B5q	1712.93	244.188	63.434	2020.553	515.246	2535.799
Total		1712.93	244.188	63.434	2020.553	515.246	2535.799

Figure: 38- Details of selected L 2 Landscape: Milli-watershed detail



Thus, the milli watersheds selected as L2 landscapes in N. Betul division have an area of 20921.78 ha. and landscapes of W. Betul division have an area of 2535.799 ha. The total area of the 03 landscapes selected in the district thus becomes 23457.579 ha. These 03 milli-watersheds are the operational units for implementation of GIM. All the 03 milli watersheds possess forest as well as non forest area. These 03 milli watersheds have 44 micro watersheds out of which 06 micro watersheds selected and have forest as well as non forest area. The forest area in the milli –watersheds is largely dense forest which needs measures to supplement natural regeneration.

2.6.6 L3 landscapes selected in Betul District: -

The 03 milli-watershed selected as L2 landscapes have further been divided into 16 micro-watersheds which are the working unit of the GIM. All the micro-watersheds of a particular milli-watershed have been taken up for treatment so that the milli-watershed is completely treated. The milli-watershed wise description of these micro-watersheds is as follows: -

North Betul Division

2.6.7.1 Milli-watershed no. 5D5A2h: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 63: L 2 landscapes North Betul Division mili watershed 5D5A2h details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D5A2h1	255.482	189.769	36.281	481.532	1140.995	1622.527
2.	5D5A2h2	666.655	527.051	36.227	1229.933	748.663	1978.596
3.	5D5A2h3	173.385	58.486	23.24	255.111	1020.997	1276.108
4.	5D5A2h4	447.434	83.593	42.787	573.814	706.29	1280.104
5.	5D5A2h5	1074.188	115.167	265.399	1454.754	372.132	1826.886
6.	5D5A2h6	1005.845	89.896	350.349	1446.09	150.266	1596.356
Total		**3622.989**	**1063.962**	**754.283**	**5441.234**	**4139.343**	**9580.577**

2.6.7.2 Milli-watershed no. 5D5A2j: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 64: L 2 landscapes North Betul Division mili watershed 5D5A2j details

No.	Micro-watershed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D5A2j1	0	6.91	41.431	48.341	1175.782	1224.123
2.	5D5A2j2	60.959	1.243	26.126	88.328	1142.923	1231.251
3.	5D5A2j3	370.465	79.276	1.292	451.033	588.41	1039.443
4.	5D5A2j4	260.735	99.525	71.494	431.754	675.655	1107.409
5.	5D5A2j5	756.901	95.7	8.436	861.037	1001.959	1862.996
6.	5D5A2j6	637.04	107.078	36.761	780.879	696.174	1477.053
7.	5D5A2j7	676.554	264.661	346.502	1287.717	454.121	1741.838
8.	5D5A2j8	1310.874	42.114	303.637	1656.625	0.485	1657.11
Total		**4073.528**	**696.507**	**835.679**	**5605.714**	**5735.509**	**11341.22**

West Betul Division

2.6.7.3 Milli-watershed no. 5C5B5q: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 65: L 2 landscapes West Betul Division mili watershed 5C5B5q details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5C5B5q1	726.746	139.571	35.912	902.229	442.911	1345.14
2.	5C5B5q2	986.185	104.617	27.522	1118.32	72.34	1190.66
Total		**1712.93**	**244.188**	**63.434**	**2020.55**	**515.251**	**2535.8**

Figure:39- KML File of the L 3 Landscape under treatment

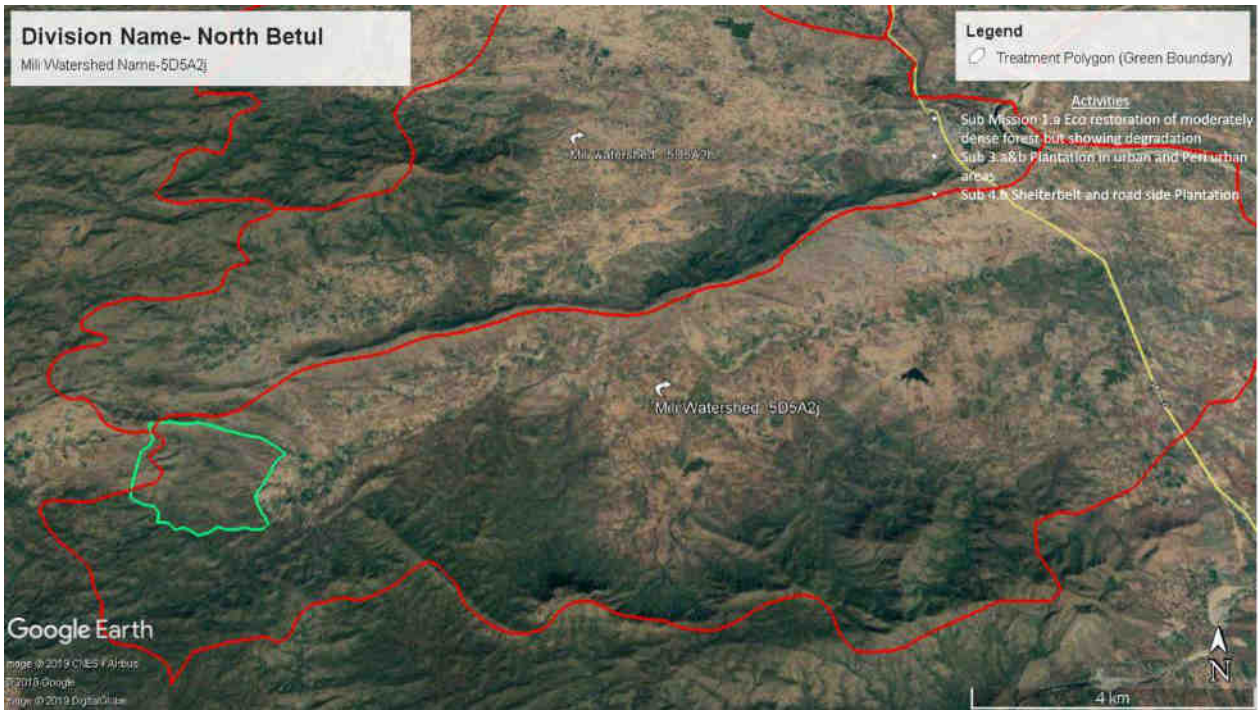
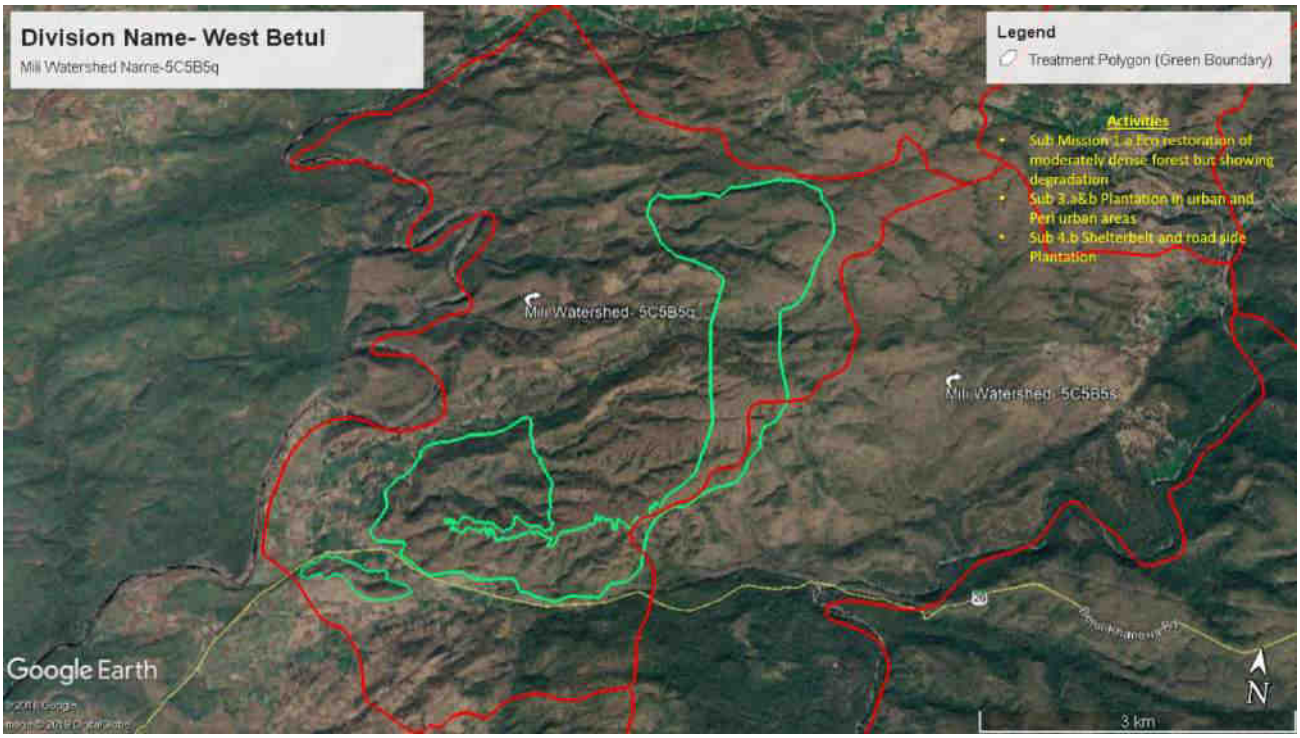


Figure:40- KML File of the L 3 Landscape under treatment



2.6.8 Demography: -

As per2011 the census data of the district are as follows: -

Total area of the district		**10043 sq.km.**
Literacy rate		68.9%
No. of villages		1344
No. of households		329832
Population	Rural	640358
	Urban	309151
	Total	1575362
Population	Male	799236
	Female	776126
	Total	1575362
Scheduled caste population		159296
Scheduled tribe population		667018

Scheduled Caste form 10.11% and Scheduled Tribe form 42.34% of the population of the district. The Betul is predominantly a tribal district. Main tribes are Gond and Korku. About 45.51% of the worker population i.e. 3, 58,157 people work as agriculture laborers.

According to the 2011 census Betul district has a population of 1575362. The district has a population density of 157 inhabitants per square kilometer (410/sq mi). Betul has a sex ratio of 971 females for every 1000 males, and a literacy rate of 68.90%. The district has an area of 10043 sq.km.

Bhimpur :

1.7 Bhimpur is a Tehsil in Betul District of Madhya Pradesh State, India. Bhimpur Tehsil Head Quarters is Bhimpur town. It belongs to Narmadapuram Division. It is located 43 KM towards west from District headquarters Betul. 185 KM from State capital Bhopal towards North

1.8 Bhimpur Tehsil is bounded by by Chicholi Tehsil towards North, Bhainsdehi Tehsil towards South , Betul Tehsil towards East , Athner Tehsil towards East . Betul City, Sarni City , Achalpur City , Seoni-Malwa City are the nearby Cities to Bhimpur

1.9 Population of Bhimpur

1.10 According to Census 2011, Bhimpur's population is 4126. Out of this, 2000 are males while the females count 2126 here. This village has 558 children in the age group of 0-6 years. Among them 272 are boys and 286 are girls.

1.11 Literacy rate of Bhimpur

Literacy ratio in Bhimpur village is 62%. 2571 out of total 4126 population is literate here. In males the literacy rate is 65% as 1313 males out of total 2000 are literate whereas female literacy ratio is 59% as 1258 out of total 2126 females are educated in this Village.

Brief Profile of Milli-Watershed (5C5B5y):

Table 66 – Betul List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Pancha-yat	Name of the Com-mittee (JFMC's)
West Betul	Chi-choli, Tha-wadi	5C5B5y	Nanda, Ghoghara, Gadakhar	1184, 1193, 1202, 1203, 1458, 1180, 1179, 1178, 1182, 1187, 1185, 1186, 1194, 1183, 1177, 1188, 1190, 1191, 1192, 1172, 1171, 1173, 1189	Popati, Gadakhar, Ghoghara	Nanda, Ghoghar, Gotakhedi, gadakhar
			Sau-thkheda		*(Data Not found in cen-sus2011)*	

Table 67 – Betul The key demographic information is as below

	Nanda	Ghoghara	Gadakhar
Total Population	669	555	1464
Male	333	283	732
Female	336	272	732
Total Households	153	99	270
Average members per HHs	4.4	5.6	5.4
Total Child (0-6years) population	68	114	270
Male (0-6 years) population	33	53	144
Female (0-6 years) population	35	61	126

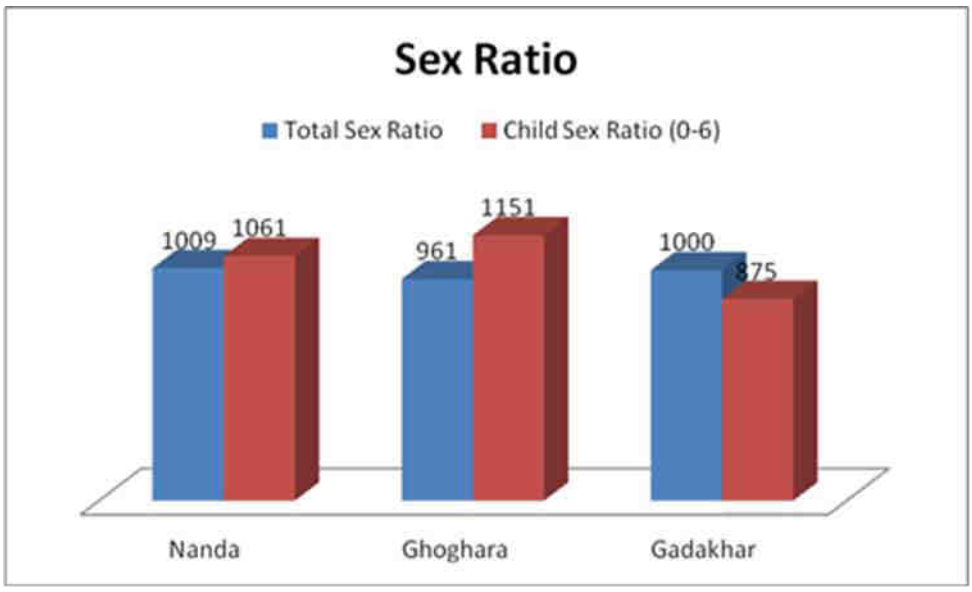
Sex Ratio

The overall sex ratio of these villages are 990 , which implies that there are 990 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 1029 of these villages.

Table 68 – Betul sex ratio *Villagewise details are as follows*

	Nanda	Ghoghara	Gadakhar
Total Sex Ratio	1009	961	1000
Child Sex Ratio (0-6)	1061	1151	875

Figure 41: Sex Ratio



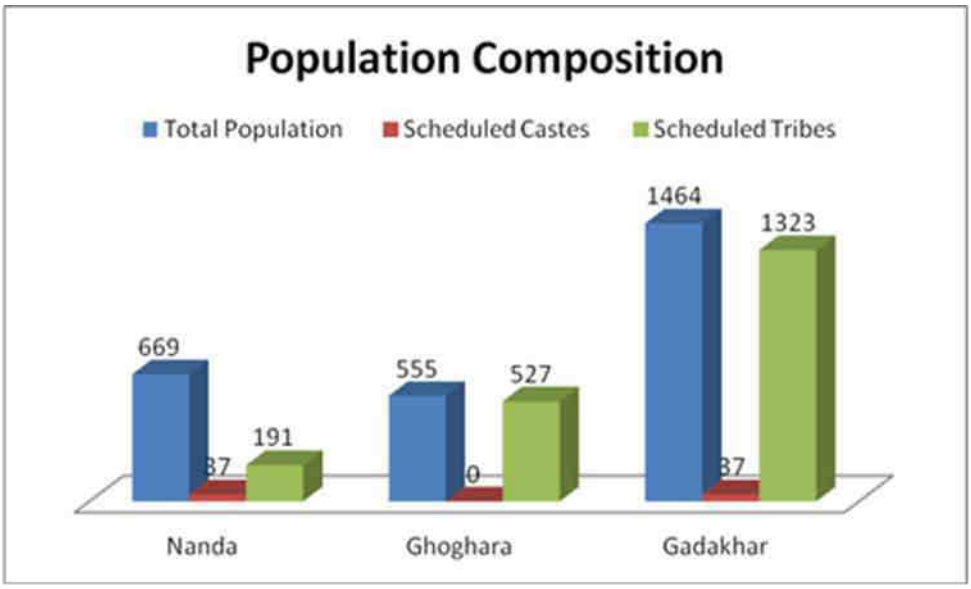
Population composition

The totals STs Population in these villages are 2041, which is 76% of the total population. Ghoghara and Gadakhar villages has highest percentage of tribal population of 95% and 90% respectively.

Table 69 – Betul selected area village wise polulation details are as follows

	Nanda	Ghoghara	Gadakhar
Total Population	669	555	1464
Scheduled Castes	37	0	37
Scheduled Tribes	191	527	1323

Figure 42: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 53.3%, in which male literacy is 60.3% and female literacy is 46.0% in these villages.

Table 70 – Betul literacy *Village wise Details of selected area are as follows:*

	Nanda	Ghoghara	Gadakhar
Total Literacy	67.22	49.66	42.88
Male	78.67	56.09	46.26
Female	55.81	42.65	39.60

Figure 43: Literacy Rate

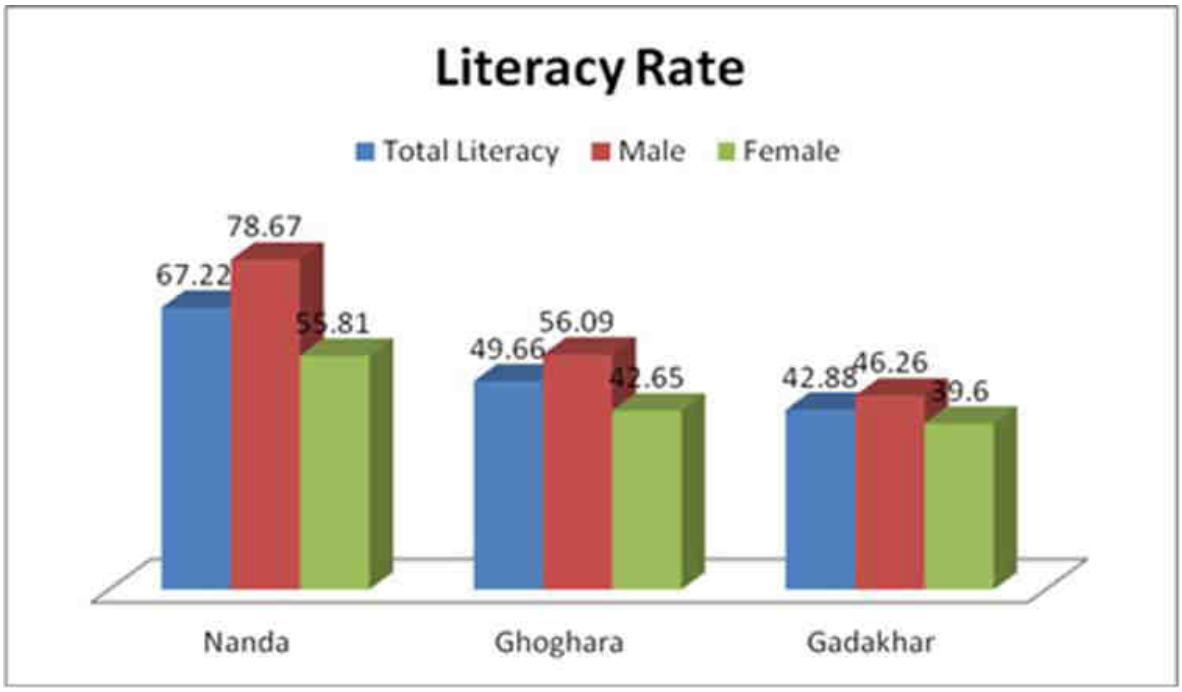


Table 71 – North Betul Important Statistics relating to works participation

	Nanda	Ghoghara	Gadakhar
Total Worker			
Total	398	285	802
Male	210	147	401
Female	188	138	401
(i) Main Worker			
Total	386	135	222
Male	206	131	155
Female	186	4	67
(ii) Marginal Worker			
Total	12	150	580
Male	4	16	246
Female	8	134	334
Non-Worker			
Total	271	270	662
Male	123	136	331
Female	148	134	331

Brief Profile of Milli-Watershed (5D5A2j):

Table 72 – North Betul List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Vil-lages Included in Water shade	Com-part ment No.	Gram Pan-chayat	Name of the Committee
North Betul	Shahpur	5D5A2j	Chapda, Paha-wadi, Jaamna-gari, Hirawadi, Semalpura, Pawarjhanda, Kotha, Mudha	183, 189	Pahawadi, Pawarjhanda, Muda	Chapda, Paha-wadi, Jaamna-gari, Hirawadi, Semalpura, Pawarjhanda, Mudha, Kotha

Shahpur is a Tehsil in Betul District of Madhya Pradesh State, India. Shahpur Tehsil Head Quarters is Shahpur town. It belongs to Narmadapuram Division. It is located 38 KM towards North from District headquarters Betul. 147 KM from State capital Bhopal towards North.

Shahpur Tehsil is bounded by by Ghoradongri Tehsil towards East, Chicholi Tehsil towards west, Betul Tehsil towards South, Kesla Tehsil towards North. Sarni City, Betul City, Seoni-Malwa City, Itarsi City are the nearby Cities to Shahpur. Shahpur consist of 218 Villages and 40 Panchayats. It is in the 394 m elevation(altitude). Total population of Shahpur Tehsil is 95,909 living in 17,316 Houses, Spread across total 218 villages and 40 panchayats. Males are 48,540 and Females are 47,369. Total 3,997 persons lives in town and 91,912 lives in Rural.

Table 73 – North Betul The key demographic information is as below

	Chapda	Pahawadi	Jaamna-gari	Hirawadi	Semal-pura	Pawarjhan da	Mudha	Kotha
Total Population	582	1655	309	263	1278	1438	878	429
Male	298	821	154	129	616	699	450	215
Female	284	834	155	134	662	739	428	214
Total Households	118	383	66	56	248	312	189	95
Average members per HHs	4.9	4.3	4.7	4.7	5.2	4.6	4.6	4.5
Child Population (0-6)								
Total Child (0-6years) popula-tion	107	272	50	35	231	266	127	69
Male (0-6 years) population	50	144	24	16	130	136	55	34
Female (0-6 years) population	57	128	26	19	101	130	72	35

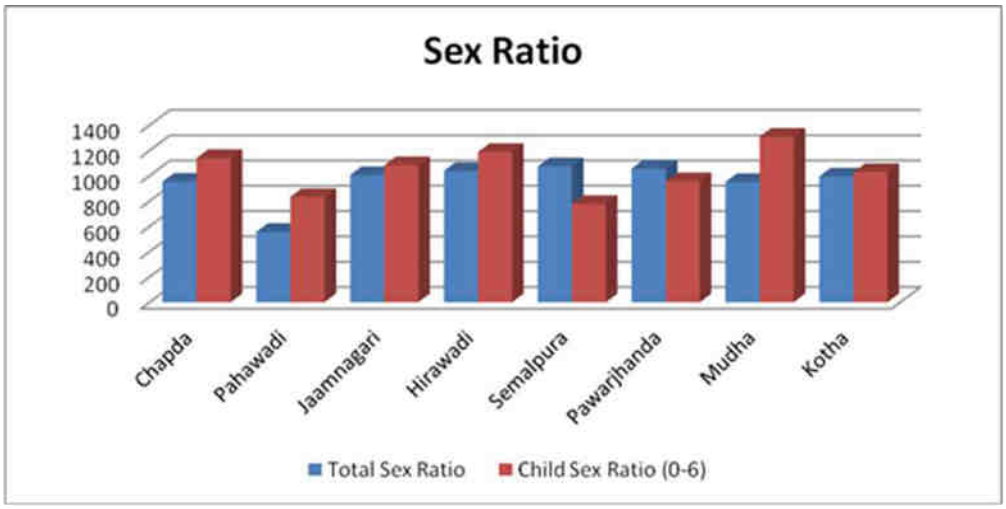
Sex Ratio

The overall sex ratio of these villages are 954 , which implies that there are 954 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 1039 of these villages.

Table 74 – North Betul sex ratio Village wise *details are as follows*

	Chapda	Paha-wadi	Jaamna-gari	Hirawadi	Semal-pura	Pawarjha nda	Mudha	Kotha
Total Sex Ratio	953	556	1006	1039	1075	1057	951	995
Child Sex Ratio (0-6)	1140	833	1083	1188	777	956	1309	1029

Figure 44: Sex Ratio



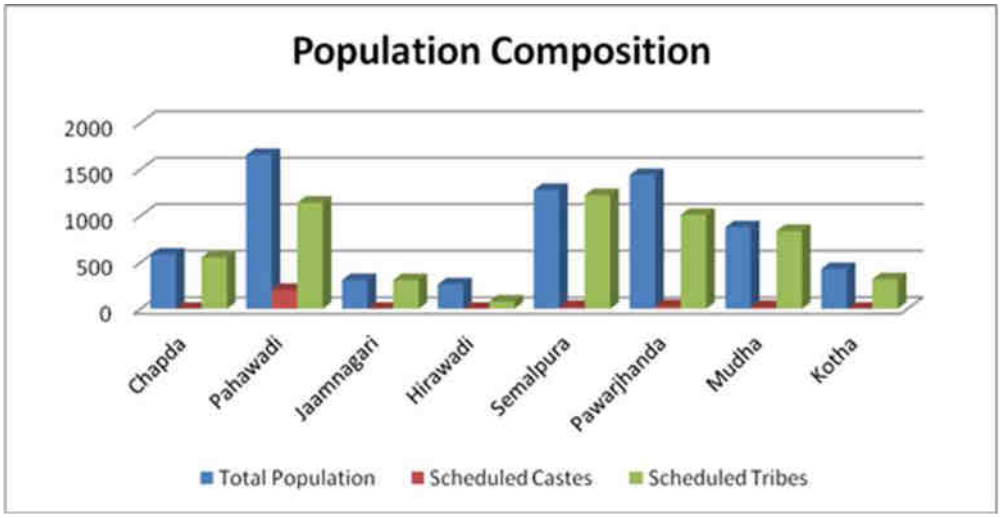
Population composition

The totals STs Population in these villages are 6832, which is 80% of the total population. Jaamnagari and Semalpura villages has highest percentage of tribal population of 100% and 95.7% respectively.

Table 75 – North Betul population *Villagewise details are as follows*

	Chapda	Pahawadi	Jaamnagari	Hirawadi	Semalpura	Pawarjhanda	Mudha	Kotha
Total Population	582	1655	309	263	1278	1438	878	429
Scheduled Castes	0	203	0	0	20	29	20	0
Scheduled Tribes	552	1140	309	78	1223	1012	837	317

Figure 45: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 53.1%, in which male literacy is 62.6% and female literacy is 43.7% in these villages.

Table 76 – North Betul literacy *Village wise Details are as follows:*

	Chapda	Pahawadi	Jaamnagari	Hirawadi	Semalpura	Pawarjhanda	Mudha	Kotha
Total Literacy	48.84	34.25	63.32	58.33	55.30	47.01	66.44	51.67
Male	52.82	35.42	78.46	66.37	66.46	58.61	76.71	65.75
Female	44.49	32.00	48.06	50.43	45.63	36.29	55.06	37.43

Figure 46: Literacy Rate

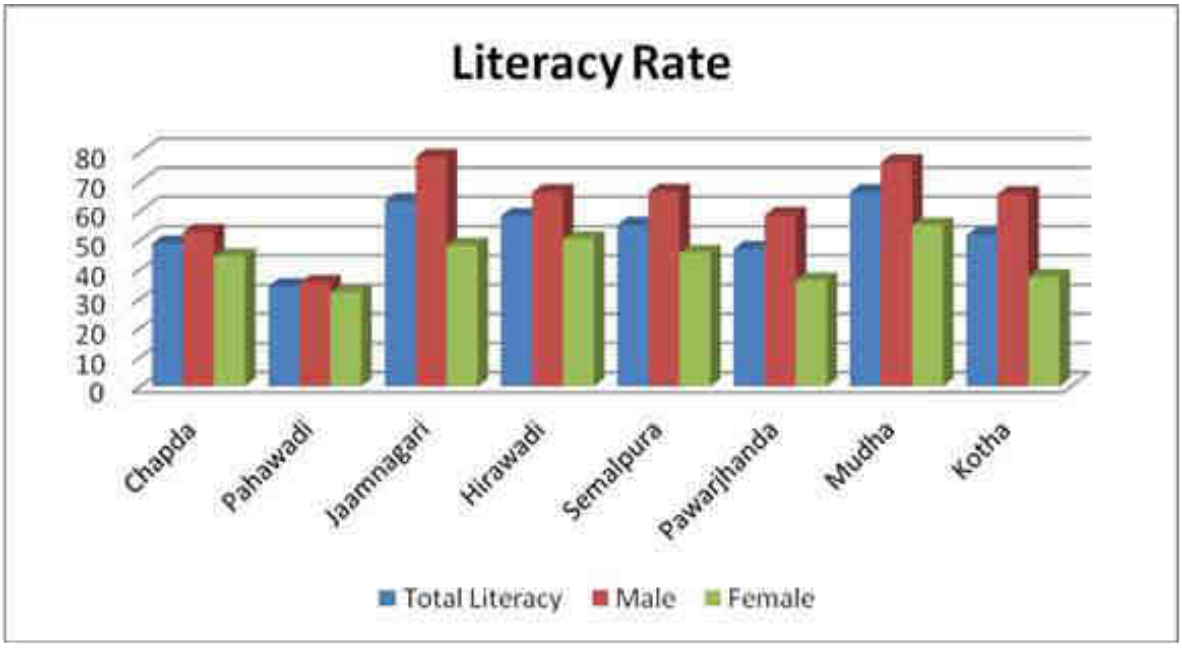


Table 77 – Betul Important Statistics relating to works participation

	Chapda	Pahawadi	Jaamnagari	Hirawadi	Semalpura	Pawarjhanda	Mudha	Kotha
Total Worker								
Total	295	796	181	114	695	777	552	238
Male	157	463	90	71	39	396	286	128
Female	138	333	91	43	346	381	266	110
(i) Main Worker								
Total	25	259	177	83	321	335	202	49
Male	20	195	88	53	215	293	146	40
Female	5	64	89	30	106	42	56	9
(ii) Marginal Worker								
Total	270	537	4	31	374	442	350	189
Male	137	268	2	18	134	103	140	88
Female	133	269	2	13	240	339	210	101
Non-Worker								
Total	287	859	128	149	583	661	326	191
Male	141	358	64	58	267	303	164	87
Female	146	501	64	91	316	358	162	104

Socio Economic and Caste Census (SECC) 2011,
Village wise information of households
Gram Panchayat: GADAKAR

#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\Mother's Name	Deprivation count	Auto Inclusion\Deprivation code	Total Members
	Village:Gadakhar(Gadhakhar)							
1	BABBU UIKEY\बब्बू उयके	M	27	ST	घम्मर\धम्मा	AI	--,--,--,AI4,--	5
2	BHADU\	M	64	ST	\	AI	--,--,--,AI4,--	6
3	BHADU DHURVE\भादू धुर्वे	M	54	ST	रामदीन\रनिया	AI	--,--,--,AI4,--	6
4	BIHARSINGH UIKE\बिहारसिंग उइके	M	44	ST	मलकू\बिस्सो	AI	--,--,--,AI4,--	4
5	BUDHDUSINGH UIKEY\बुध्दूसिग उइके	M	26	ST	भादू\झम्मी	AI	--,--,--,AI4,--	5
6	CHHATAN UIKEY\छतन उयके	M	31	ST	सुम्मत\गेन्दा	AI	--,--,--,AI4,--	5
7	GULAB UIKEY\गुलाब उयके	M	39	ST	अम्मर\सकिया	AI	--,--,--,AI4,--	3
8	JEEVAN MARSAKOLE\जीवनमर्सकोले	M	43	ST	मिलाप\ओझे	AI	--,--,--,AI4,--	8
9	JHALIYA UIKEY\झलिया उइके	F	56	ST	जुगराम\मलिया	AI	--,--,--,AI4,--	7
10	JOHARA\	M	58	ST	\	AI	--,--,--,AI4,--	1
11	LINGA DHURVE\लि गा धुवै	M	45	ST	रामदीप\रगिया	AI	--,--,--,AI4,--	4
12	MANSINGH UIKEY\मानसिग उइके	M	34	ST	भादू\झम्मो	AI	--,--,--,AI4,--	5
13	MODDI PARTE\मोडडी परते	M	44	ST	जगलू\जीवला	AI	--,--,--,AI4,--	6
14	MUNNA\	M	40	ST	\	AI	--,--,--,AI4,--	5
15	MUNNA\	M	31	ST	\	AI	--,--,--,AI4,--	9
16	MUNNA PIDAGAM\मुन्ना पिड़गाम	M	39	ST	बल्ली\कम्मो	AI	--,--,--,AI4,--	6
17	OJHA UIKEY\ओझा उयके	M	29	ST	घम्मर उयके\धम्मा	AI	--,--,--,AI4,--	7
18	PATANG KAVDE\पतंग कवड़े	M	39	ST	रामू\फुदिया	AI	--,--,--,AI4,--	4
19	RAMAL WADIVA\रमल वाड़िवा	F	71	ST	गुमानी\दसो	AI	--,AI2,--,--,--	2
20	RATTU UIKE\रत्तू उइके	M	37	ST	रामू\कमला	AI	--,--,--,AI4,--	6
21	SATEESH UIKE\सतीश उइके	M	20	ST	सुक्कल\कोगे	AI	--,--,--,AI4,--	3
22	SURAJ DHURVE\सूरज धुर्वे	M	34	ST	गोदू\रमोती	AI	--,--,--,AI4,--	6
	Village:Takjhiri							
23	B_LAL\	M	22	ST	\	AI	--,--,--,AI4,--	4
24	BABBUSINGH\बब्बूसिंग	M	47	ST	बिहारी\बिसोदी	AI	--,--,--,AI4,--	6
25	CHHANNU\छन्नू	M	43	ST	रामलाल\कमला	AI	--,--,--,AI4,--	8
26	DADDUSINGH UYKE\दद्दू सिंग उयके	M	49	ST	बिहारी\विवोंदी	AI	--,--,--,AI4,--	3
27	DASRATH\दशरथ	M	33	ST	काड्मू\चेतो	AI	--,--,--,AI4,--	6

2.6.9 Reason for selection of L2 landscapes: -

- Large forest dependent Tribal population living in the area. Mostly Scheduled area with dominant tribal population. The level of dependence on forest is high.
- Good forest area with fragmented patches subject to degradation in long run.
- Area falls in wild life corridor between Satpura and Melghat Tiger Reserve.
- Forests are subjected to illicit felling for livelihood & personal consumption.
- Area subjected to excessive grazing and fire damaging the natural regeneration.
- Malpractices for collection of NTFP species are prevalent in the area.
-The area is ecological important area and falls in the catchment area of perennial rivers Nishana and Tapti. The area comes in the Biodiversity rich area under central highlands.
- Landscape is biodiversity rich area - The area contains endangered plant as well as animal species.
- The livelihood opportunities are less. There are no industries working in the area. Income from Agriculture is meager.
- Preparatory activities for GIM were undertaken in North Betul Division.

2.6.10 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Enhancement of forest cover by plantations in open areas in the forest land and plantations on agricultural land.
- Assisted Natural Regeneration.
- Soil and moisture conservation based on watershed treatment methodology.
- Promoting the use of alternate energy sources to reduce dependence on forest produces.
- Grassland development & promoting improved breeds of cattle as well as encouraging the villagers for stall feeding.
- Effective fire protection awareness among the people.
- Promotion of income generation activities.
- Awareness generation for sustainable methods of NTFP collection.

2.6.11 Proposed interventions: -

- Skill upgradation program and training to be organized at JFMC level.
- Capacity building of forest staff by organizing Range and Division level workshop and training program.
- Young and educated youth of JFMCs to be encouraged to participate more and more in forestry activities.
- Protection and maintenance activities to conserve the existing biodiversity.
- Sustainable harvesting of NTFP to be encouraged.

2.6.12 Cross cutting interventions proposed: -

- Improving fuel-wood efficiency and promoting alternative energy sources.
- Promotion of energy efficient devices.

2.6.13 Livelihood improvement activities proposed: --

Livelihood opportunities -Various livelihood activities such as Dairy Farming, NTFP based livelihoods, Poultry farming, Dona pattal manufacturing, tusser silk rearing and Fisheries will be taken up in the project villages.

2.2.14 FY 2018-19 physical and financial progress as per budget allottment:-

Under different submissions of Green India Mission, following progress in FY 2018-19 is made in L 1 Landscape (iii):-

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Hoshangabad				South Seoni				North Betul				West Betul				Satpura Narmada	
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600																		
		a) Advance Work	15840	540	85.46	340	34.18	352	55.79	352	59.43	335	52.99	335	21.59	577	91.40	577	25.16	1604.00	140.36
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**540**	**85.46**	**340**	**34.18**	**352**	**55.79**	**352**	**59.43**	**335**	**52.99**	**335**	**21.59**	**577**	**91.40**	**577**	**25.16**	1604.00	140.36
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	16896	0	0.00	0	0.00	81	13.75	81	18.54	0	0.00	0	0.00	0	0.00	0	0.00	81.00	18.54
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**81**	**13.75**	**81**	**18.54**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	81.00	18.54
		Type B- with limited root stock and open blanks	79200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0	0.00	71	22.62	61	27.35	0	0.00	0	0.00	0	0.00	0	0.00	61.00	27.35
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**71**	**22.62**	**61**	**27.35**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	61.00	27.35
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0	0.00	46	24.02	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**46**	**24.02**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	36960	0	0.00	0	0.00	5	1.66	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**5**	**1.66**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00

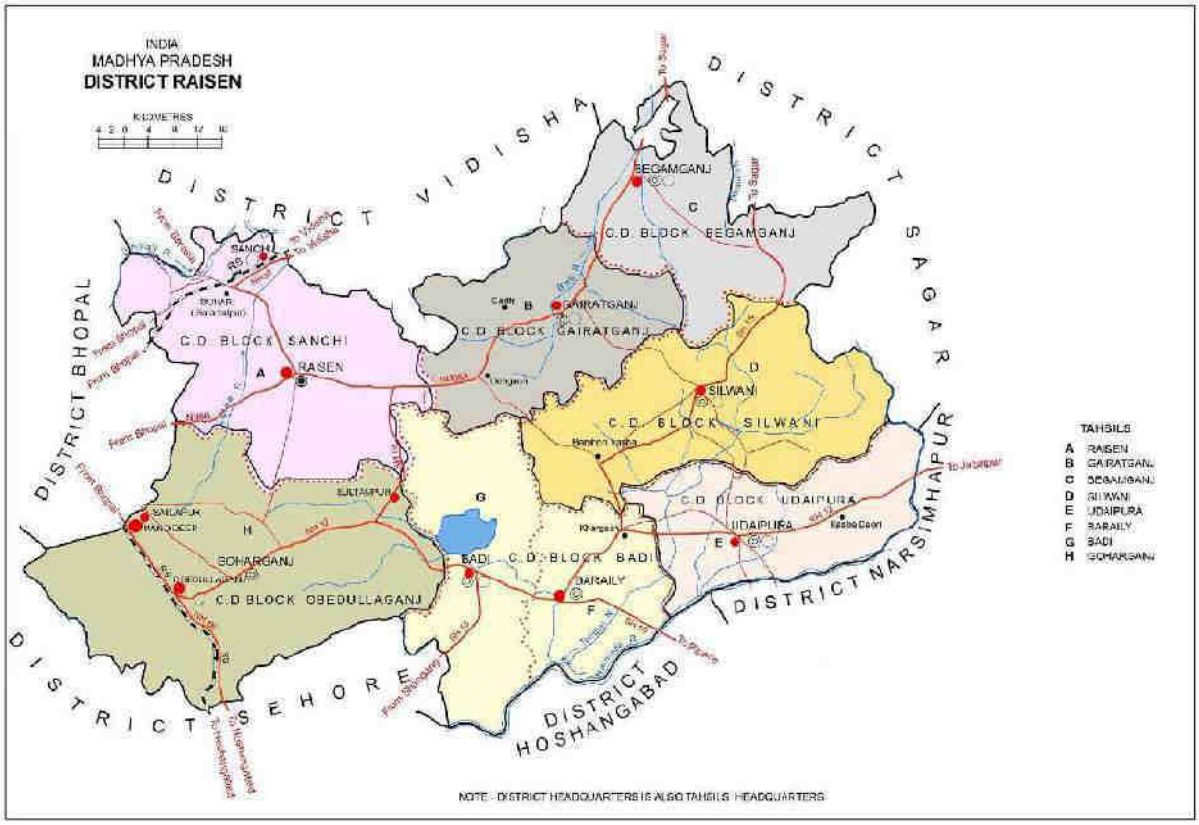
Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	a) Rehabilitation of Shifting Cultivation Areas		79200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	b) Restoring Scrublands		132000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Restoring / planting Sea-buckthorn		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	d) Restoration of Mangroves		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	e) Ravine reclamation		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	0.00	0.00
Sub Mission 2: Ecosystem restoration and increase in forest cover	f) Restoration of adandoned mining area		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	0.00	0.00
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including	a) Plantation in Urban & Peri-urban areas		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	30	31.68	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**30**	**31.68**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	0.00	0.00
Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon	a) Farmer's land including current fallows	Farmer's land	52800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
		a) Advance Work	21120	97	20.49	97	8.19	261	55.17	261	22.87	75	15.73	0	0.00	12	2.53	0	0.00	358.00	31.06	
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		II Year	4224	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		III Year	2640	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		Total		**97**	**20.49**	**97**	**8.19**	**261**	**55.17**	**261**	**22.87**	**75**	**15.73**	**0**	**0.00**	**12**	**2.53**	**0**	**0.00**	358.00	31.06	
	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		II Year	16896	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		III Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00	
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		a) Advance Work	73920	24	17.74	24	7.10	58	43.02	0	0.00	17	12.20	0	0.00	3	1.85	0	0.00	24.00	7.10	
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		Total		**24**	**17.74**	**24**	**7.10**	**58**	**43.02**	**0**	**0.00**	**17**	**12.20**	**0**	**0.00**	**3**	**1.85**	**0**	**0.00**	24.00	7.10	
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	- 0.00	
		a) Advance Work	63360	0	0.00	0	0.00	3	1.58	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		II Year	12672	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		III Year	7920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	
		Total		**0**	**0.00**	**0**	**0.00**	**3**	**1.58**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00	

Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	3300	333	10.99	333	4.40	182	6.01	0	0.00	241	7.95	0	0.00	104	3.44	0	0.00	333.00	4.40
Total A				661	134.67	461	53.87	907	255.30	755	128.19	426	88.87	335	21.59	592	99.22	577	25.16	2128.00	228.81
Activities Cost				0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
Research (2% of A)				0	2.69	0	0.00	0	5.11	0	0.00	0	1.78	0	0.00	0	1.98	0	0.00	0.00	0.00
Publicity/Media/outreach activities (1% of A)				0	1.35	0	0.00	0	2.55	0	0.00	0	0.89	0	0.08	0	0.99	0	0.00	0.00	0.08
Monitoring and Evaluation (1% of A)				0	1.35	0	0.00	0	2.55	0	0.00	0	0.89	0	0.00	0	0.99	0	0.00	0.00	0.00
Livelihood improvement activities, (17% of A)				0	22.89	0	0.00	0	43.40	0	0.00	0	15.11	0	3.18	0	16.87	0	0.26	0.00	3.44
Strengthening local-level institutions (5 % A)				0	6.73	0	0.00	0	12.77	0	0.00	0	4.44	0	0.00	0	4.96	0	0.00	0.00	0.00
Strengthening FDs (5% A)				0	6.73	0	0.00	0	12.77	0	0.00	0	4.44	0	0.46	0	4.96	0	0.00	0.00	0.46
Mission Organisation, operation and				0	5.39	0	0.00	0	10.21	0	0.00	0	3.55	0	0.00	0	3.97	0	0.00	0.00	0.00
Total B				0.00	47.14	0	0.00	0.00	89.36	0	0.00	0.00	31.10	0	3.72	0.00	34.73	0	0.26	0.00	3.98
Grand Total (A+B)				661	181.81	461	53.87	907	344.66	755	128.19	426	119.97	335	25.31	592	133.95	577	25.42	2128.00	232.79

Chapter 6: 6.1- Landscape details for L 1 Landscape (iv): Vindhya Plateau Raisen & Obedullahgunj Forest Divisions

In L 1 Landscape (iv): Vindhya Plateau, Raisen district lies in the central part of Madhya Pradesh. The district is situated between 22^0 47' to 23^0 33' north latitude and 77^0 21' to 78^0 49' east longitude.



Most of the terrain of the district is full of undulating hills. Vindhyanchal mountain range covers the whole district. These hill ranges divide the district into two drainage patterns. The northern part ultimately drains into Yamuna whereas the southern part drains into Narmada. Betwa, Halali, Beena, Bebas and Tenduni rivers are the prominent rivers. Since most of the river courses fall in the hilly area, they become dry towards the end of the winter season. Only in few pockets of the river courses water is found in the summer season. Based on the geographical features the district can be divided in following three major segments: -

1. Malwa Plateau: - The fertile area is enclosed by Vindhyan hill ranges where elevation is from 400 m. to 520 m. above mean sea level.
2. Vindhyan Hills: - This is mostly sandstone area where elevation is from 530 m. to 674 m. above mean sea level.
3. Narmada Valley: - Created by Narmada and its tributaries, this plain land is very fertile.

Main geological formation is Deccan trap, Vindhyan and Laterite. Black soil is found over the Deccan trap Basalt area whereas alluvial soil is present on the river banks. The average daily temperature is from 25.2^0c to 33.5^0c .The maximum temperature goes up to 44.5^0 c during summer. The average rainfall is 1118 mm.

In Raisen district there are two territorial forest divisions and two wild life sanctuaries .These are Raisen territorial division, Obedullaganj territorial division and Ratapani and Singhori wild life Sanctuary. For the purpose of Green India Mission, Raisen and Obedullaganj territorial division have been selected.

2.7.1 Forest:-

Forests are mainly of Southern Tropical Dry Deciduous type. Mainly teak and mixed forests are found. In the teak forest main species is teak and the other associates are Saja, Dhawda, Lendia, Palas, Tendu, Achar, Aonla, Salai, Kari, Mahua, Kullu etc. Sirali, Ber, Dudhi, Bekal, Marorphalli and Karonda are main shrub species. Pure bamboo forests are not found in the area while degraded bamboo forests are present as under storey in teak and mixed forest. Bamboo forests are found mainly in hill areas and in slopes. Only one species of bamboo i.e. Dendrocalamus strictus is found in bamboo forests. Due to excessive grazing and biological pressure bamboo forests have become degraded. Mixed forests are found in patches with teak forest. The main species of mixed forests are Dhawda, Saja, Aonla, Tendu, Kullu, Palas, Mahua, Bahera etc.

The area wise distribution of forest is as follows: -

Table 78 – Raisen & Obedullahgunj Area wise distribution of forest

Division	Reserve forest	Protected forest	Unclassified forest	Total(ha.)
Raisen	104384.12	71232.79	2176.94	177793.85
Obedullaganj	45032.58	20587.04	0	65619.62
Total	**149416.7**	**91819.83**	**2176.94**	**243413.47**

2.7.2 Wildlife:-

Different topographical formation available in the district provide suitable habitat for wide range of wild animals. The district possesses an excellent Protected area in the form of Ratapani Wildlife sanctuary which has developed into a prominent Tiger habitat of the State. The selected two territorial divisions also have presence of Tiger. The other wild animals reported in the district are Leopard, Chittal, Sambhar, Hyena, Barking deer, Black buck, Chinkara, Neelgai etc. Black buck and Neelgai are habitual of roaming in open area and causes lot of crop depredation.

2.7.3 Dependence onForest:-

There are 808 villages in Raisen division located within 5 km distance from the forest. Similarly, there are 292 villages in Obedullaganj division lying within 5 km periphery of the forest boundary. Thus, most of the villages in these two forest divisions are situated near forest which shows the biotic pressure on the forests of these divisions. As per working plan estimates annual requirment of the forest produce in these two divisions are as follows: -

Table 79 – Raisen & Obedullahgunj annual requirement of forest produce details

Division	Fuel wood	Timber	Bamboo
Raisen	2234251 Qt.	17929 cmt	64890 no.
Obedullaganj	109903 Qt	2432 cmt	398726 no.
Total	**2344154 qt**	**20361 cmt**	**463616 no.**

Apart from this the grazing pressure in these divisions is as follows: -

Division	Cattle population	Cattle Unit	Carrying Capacity (in cattle unit)
Raisen	618752	694247	282397
Obedullaganj	134962	167352	86206
Total	**733754**	**861699**	**368603**

Thus, the cattle population in these divisions is quite high as compared to the grazing carrying capacity which reflects the amount of grazing pressure on the forest land because for most

of the grazing requirement villagers depend on the forest. The practice of stall feeding is rare and most of the unproductive cattle are sent to forest for grazing. Tendu Patta is major minor forest produce in these divisions where large number of people are involved in the collection work. Other important MFP are Mahua, Achar, Aonla, Honey, Mahul and Palas Leaves. In Raisen division sand stone is present at many places, which exposes these areas to illegal mining also. In some places of Garhi Shodarpur and Deori people are involved in cultivation of Pan (Betel) leaves which require bamboo to support it.

2.7.4 Joint Forest Management: -

There are 808 villages in Raisen division and 292 villages in Obedullaganj division which are located in a periphery of 5 km. from forest. The activity of these villages has direct impact on forest. So to ensure their cooperation in forest protection and management, following JFMCs have been constituted in these divisions: -

Table 80 – Raisen & Obedullahgunj forest committee details

Division	Forest protection committee	Village forest committee	Eco development committee	Total
Raisen	191	205	-	396
Obedullaganj	47	44	85	176
Total	**238**	**249**	**85**	**572**

Eco development committees have been constituted in the villages lying near Ratapani Sanctuary and Singhori wild life sanctuary situated in Raisen district. About 3260.42 sq. km. forest area has been assigned to these JFMCs.

2.7.6 L-2 Landscapes selected in Raisen District:-

Following 02 milli watershed of Raisen Division and 01 milli watersheds of Obedullaganj Division have been selected as L2 landscapes:-

Raisen Division:-

Table 81 – Raisen L 2 milli-watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D4A5g	2710.064	24.511	879.939	3614.514	3884.633	7499.147
2.	5D4A5t	5095.731	225.763	279.333	5600.827	1338.399	6939.226
Total		**7806.371**	**250.274**	**1159.272**	**9215.341**	**5223.032**	**14438.373**

Obedullaganj Division: -

Table 82 – Obedullahgunj L 2 milli-watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D4A3p	1682.852	1482.203	914.573	4079.628	2210.305	6289.933
Total		1682.852	1482.203	914.573	4079.628	2210.305	6289.933

Thus, the milli watersheds selected as L2 landscapes in Raisen division have an area of 14438.373 ha. and landscapes of Obedullaganj division have an area of 6289.933 ha. The total area of the 03 landscapes selected in the district thus becomes 20,728.306 ha. These 03 milli-watersheds are the operational units for implementation of GIM. All the 03 milli watersheds possess forest as well as non forest area. These 03 milli watersheds have 23 micro watersheds which have forest as well as non forest area. The forest area in the milli –watersheds is largely dense forest which needs measures to supplement natural regeneration.

Raisen Division:

Figure: 47- Details of selected L 2 Landscape: Milli-watershed detail

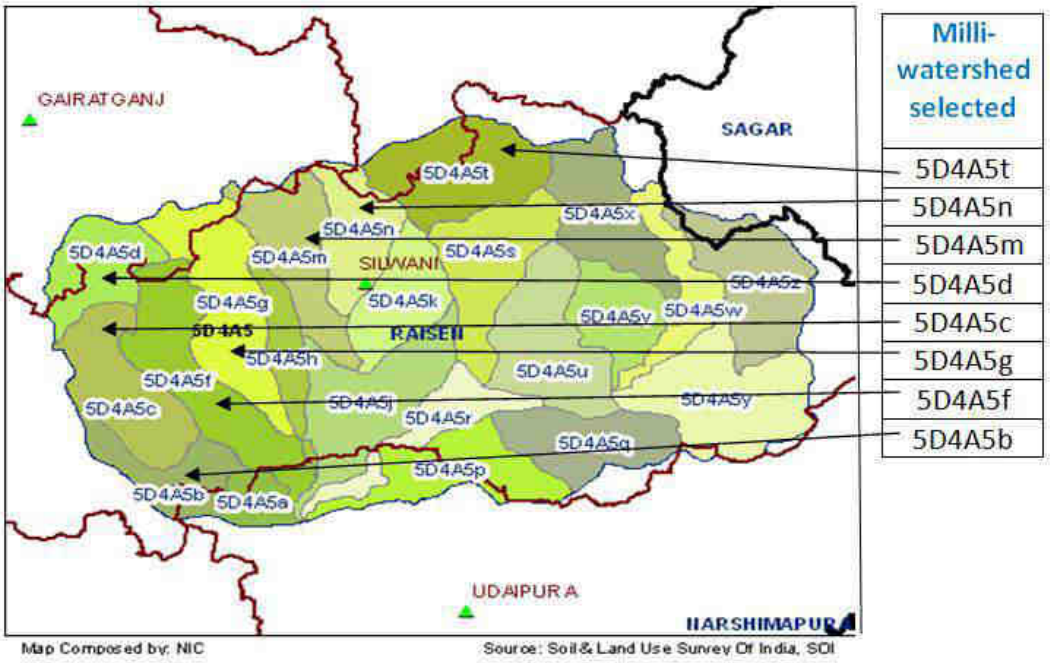


Figure: 48- Details of selected L 2 Landscape: Milli-watershed detail

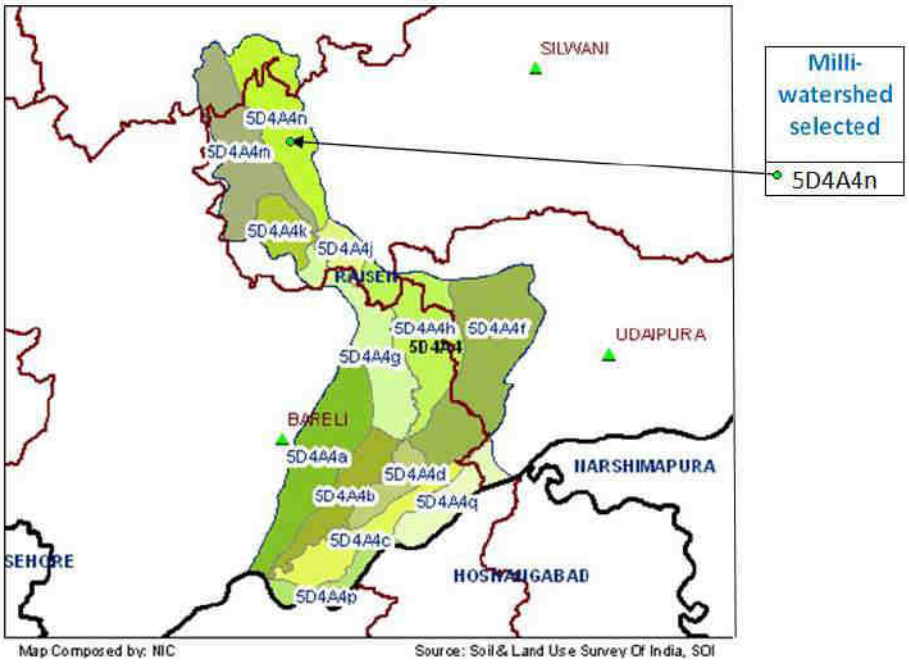
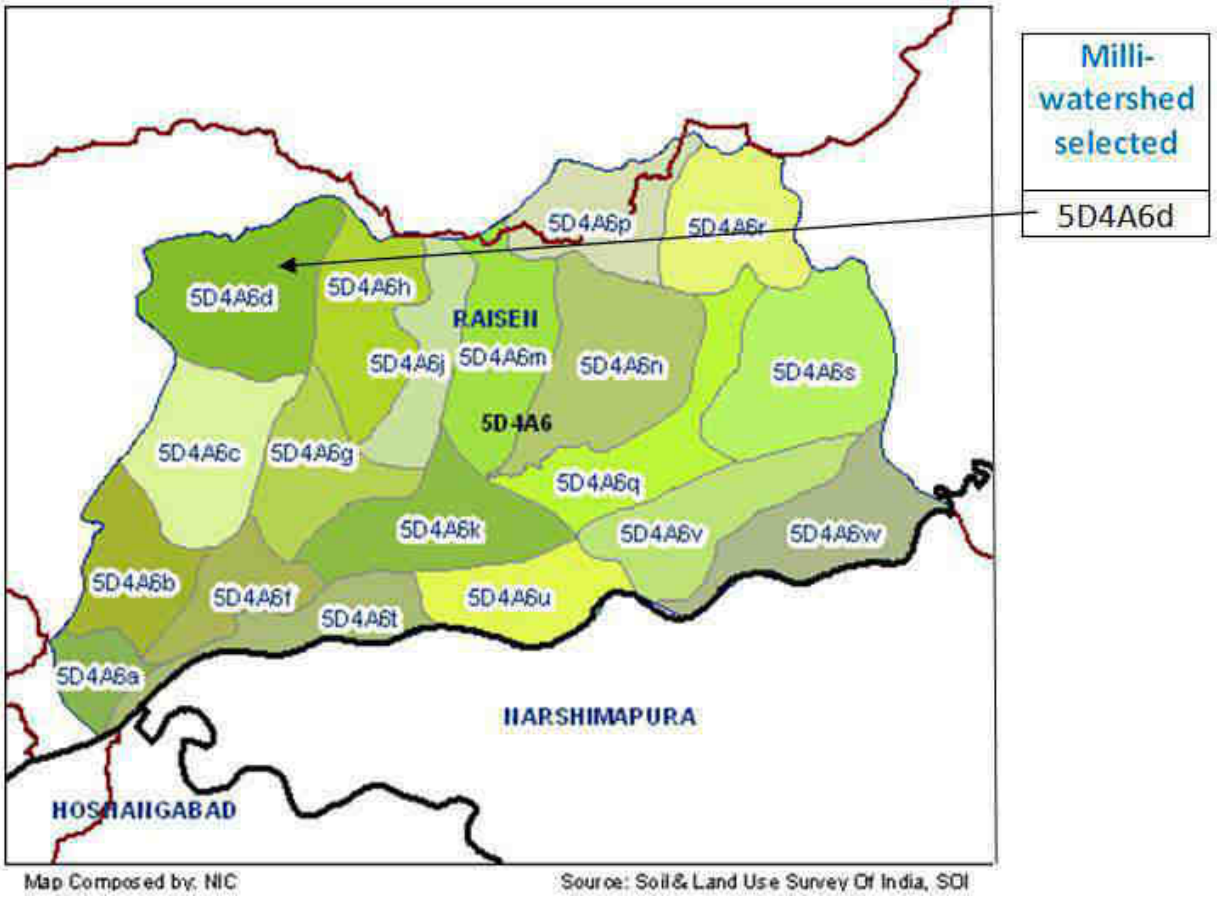


Figure: 49- Details of selected L 2 Landscape: Milli-watershed detail



Obedullaganj Division: -

Figure: 50- Details of selected L 2 Landscape: Milli-watershed detail

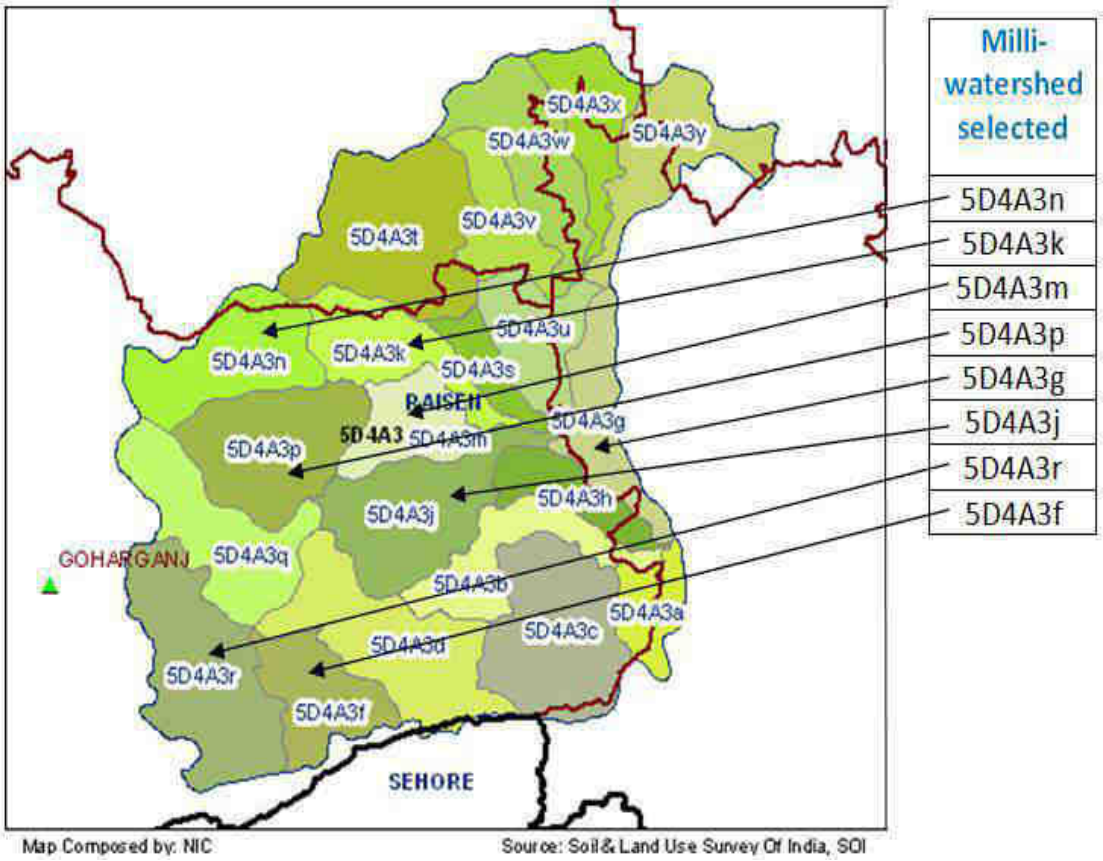


Figure: 51- Details of selected L 2 Landscape: Milli-watershed detail

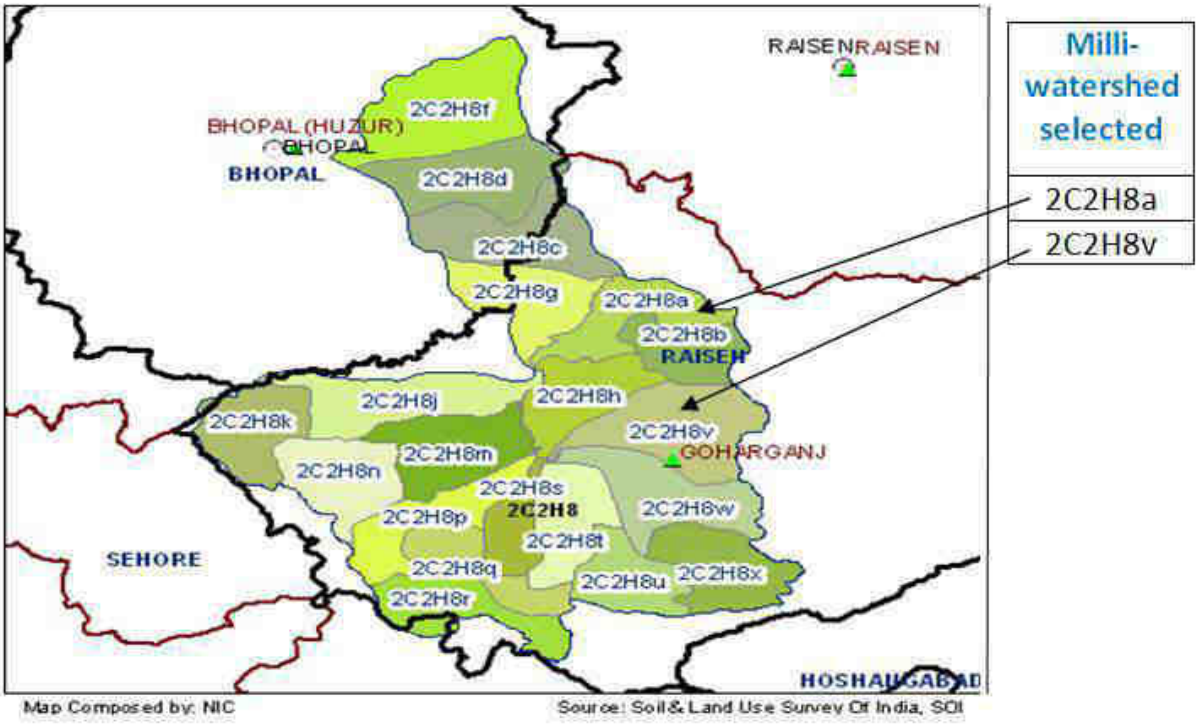


Figure:52- KML File of the L 3 Landscape under treatment

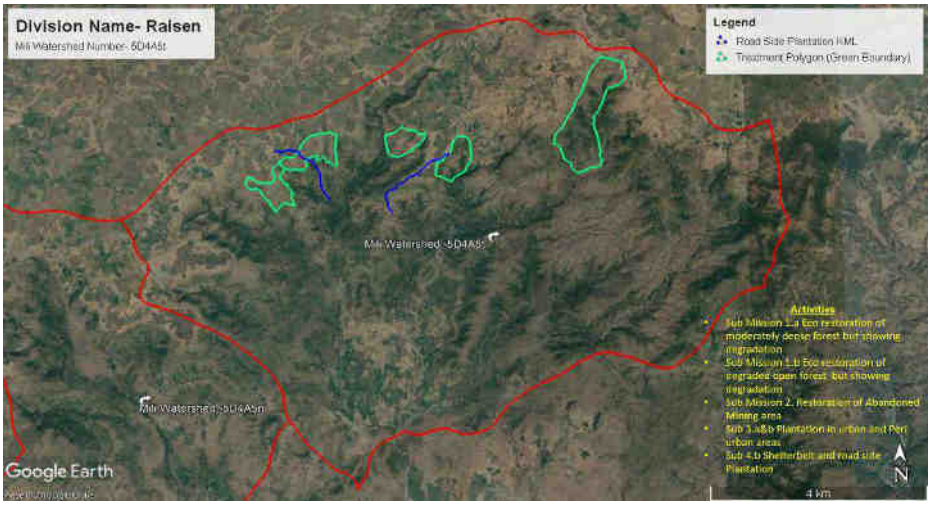


Figure:53- KML File of the L 3 Landscape under treatment

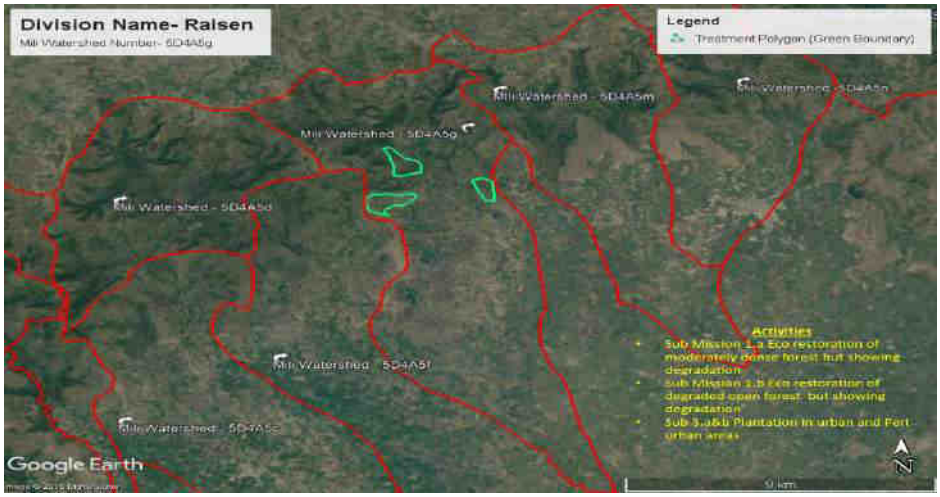
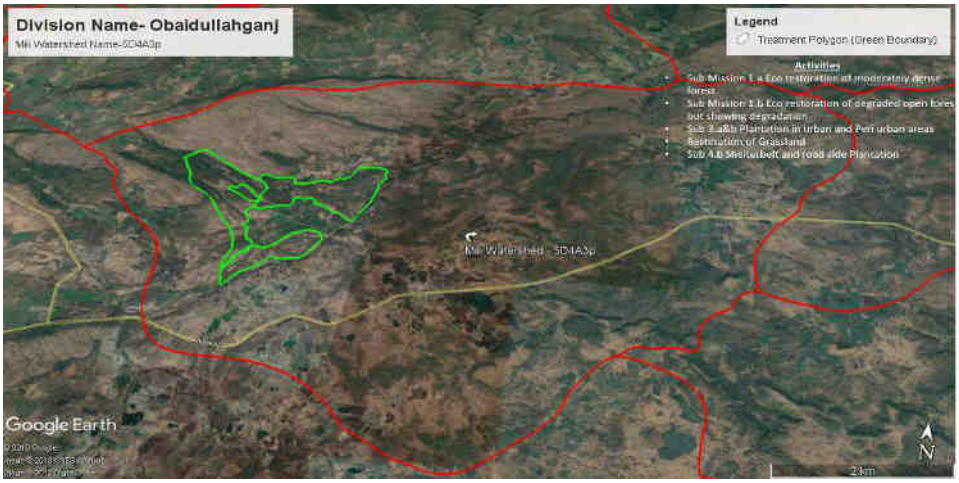


Figure:54- KML File of the L 3 Landscape under treatment



Raisen Division

2.7.7.1 Milli-watershed no. 5D4A5g:-

The micro-watersheds selected in this milli-watershed are as follows:-

Table 83 – Raisen L 2 milli-watershed 5D4A5g details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D4A5g1	0	0	0	0	608.633	608.633
2.	5D4A5g2	0	0	68.608	68.608	1124.212	1192.82
3.	5D4A5g3	0	0	180.156	180.156	1158.545	1338.701
4.	5D4A5g4	0	0	0	0	447.587	447.587
5.	5D4A5g5	233.051	0	288.072	521.123	347.733	868.856
6.	5D4A5g6	480.744	0	21.94	502.684	135.661	638.345
7.	5D4A5g7	704.25	0	107.87	812.12	2.59	814.71
8.	5D4A5g8	745.861	24.511	132.689	903.061	52.952	956.013
9.	5D4A5g9	546.158	0	80.604	626.762	6.72	633.482
Total		**2710.064**	**24.511**	**879.939**	**3614.514**	**3884.633**	**7499.147**

2.7.7.2 Milli-watershed no. 5D4A5t:-

The micro-watersheds selected in this milli-watershed are as follows:-

Table 84 – Raisen L 2 milli-watershed 5D4A5t details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D4A5t1	591.814	14.641	75.473	681.928	252.964	934.892
2.	5D4A5t2	415.931	71.636	44.207	531.774	260.309	792.083
3.	5D4A5t3	642.141	0	49.386	691.527	333.528	1025.055
4.	5D4A5t4	576.335	0	3.124	579.459	114.947	694.406
5.	5D4A5t5	1111.971	70.993	81.244	1264.208	229.583	1493.791
6.	5D4A5t6	663.328	23.77	3.547	690.645	0	690.645
7.	5D4A5t7	552.579	23.77	14.867	591.216	0	591.216
8.	5D4A5t8	541.632	20.953	7.485	570.07	147.068	717.138
Total		**5095.731**	**225.763**	**279.333**	**5600.827**	**1338.399**	**6939.226**

Obedullaganj Division:

2.7.7.3 Milli-watershed no 5D4A3p: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 85 – Obedullahgunj L 2 milli-watershed 5D4A3p details

No.	Micro-water-shed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D4A3p1	3.426	262.016	224.302	489.744	458.849	948.593
2.	5D4A3p2	289.133	222.244	37.289	548.666	350.888	899.554
3.	5D4A3p3	387.149	267.197	151.006	805.352	126.217	931.569
4.	5D4A3p4	405.823	186.342	27.307	619.472	4.854	624.326
5.	5D4A3p5	369.129	233.072	29.338	631.539	775.261	1406.8
6.	5D4A3p6	228.192	311.332	445.331	984.855	494.236	1479.091
Total		**1682.852**	**1482.203**	**914.573**	**4079.628**	**2210.305**	**6289.933**

2.7.8 Demography:-

As per 2011 census data of the district are as follows: -

Total area of the district		8466 Sq Km
Literacy rate		72.98
No. of villages		1485
No. of households		278895
Population	Rural	1028172
	Urban	303425
	Total	1331597
Population	Male	700358
	Female	631239
	Total	1331597
Scheduled caste population		225891
Scheduled tribe population		205006

Silwani:

Silwani is a Town in Silwani Tehsil in Raisen District of Madhya Pradesh State, India. It belongs to Bhopal Division. It is located 80 KM towards East from District head quarters Raisen. It is a Tehsil head quarter.

Juniya (3 KM), Chicholi (4 KM), Sai Kheda (6 KM), Bater (6 KM), Khamariya Manpur (8 KM) are the nearby Villages to Silwani. Silwani is surrounded by Gairatganj Tehsil towards west, Begam-ganj Tehsil towards North, Udaipura Tehsil towards South, Kesli Tehsil towards East. Silwani, Badi, Barrally, Sultanpur, Raisen are the nearby cities to Silwanil.

Silwani Tehsil of Raisen district has total population of 136,151 as per the Census 2011. Out of

which 70,806 are males while 65,345 are females. In 2011 there were total 29,997 families residing in Silwani Tehsil. The Average Sex Ratio of Silwani Tehsil is 924.

As per Census 2011 out of total population, 12% people lives in Urban areas while 88% lives in the Rural areas. The average literacy rate in urban areas is 82.5% while that in the rural areas is 67.9%. Also the Sex Ratio of Urban areas in Silwani Tehsil is 929 while that of Rural areas is 923.

Brief Profile of Milli-Watershed (5D4A5m):

Table 86 – Raisen List of Villages

Divisions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Panchayat	Name of the Committee
Raisen	Jauthari, East Silwani	5D4A5m	Kolua		Kolua, Chid, Jaothri, Fulmar, Hathoda	Patha, Chind, Jauthari, Noorpura, Fulmar, Raipura, Magarmauli, Verkhedi
			Vighara			
			Patha			
			Chind			
			Bhagwada			
			Mehgaon Khurd			
			Jauthari			
			Dungariya			
			Noorpura			
			Fulmar			
			Tendukheda			
			Raipura			
			Magarmauli			
			Hathoda			
			Jabalpur			
			Mehgaon Kala			*(Data Not found in census2011)*

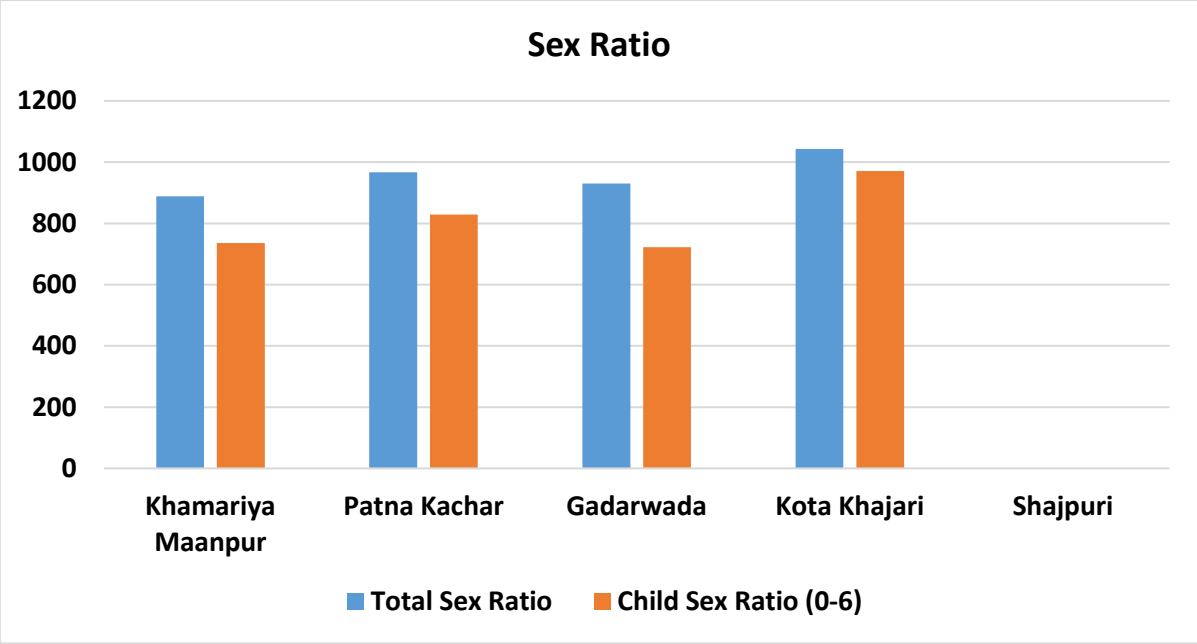
Table 87 – Raisen The key demographic information is as below

	Kolua	Vighara	Patha	Chind	Bhagwada	Mehgaon Khurd	Jauthari	Dungariya	Noorpura	Fulmar	Tendukheda	Raipura	Magarmauli	Hathoda	Jabalpur	Mehgaon Kala
Total Population	266	534	437	867	435	414	1263	417	343	1361	102	614	566	574	324	717
Male	139	292	224	450	212	220	685	205	178	683	48	304	282	297	167	379
Female	127	242	213	417	223	194	578	212	165	678	54	310	284	277	157	338
Total Households	81	139	110	211	89	111	338	76	95	281	23	147	120	132	78	155
Average members per HHs	3.28	3.84	3.97	4.10	4.88	3.72	3.73	5.48	3.61	4.84	4.43	4.17	4.71	4.34	4.15	4.62
Child Population (0-6)																
Total Child (0-6years) population	33	66	77	107	89	75	192	82	59	254	18	108	123	78	79	105
Male (0-6 years) population	16	43	43	56	36	43	98	32	37	119	9	55	64	36	37	57
Female (0-6 years) population	17	23	34	51	53	32	94	50	22	135	9	53	59	42	42	48

Sex Ratio

The overall sex ratio of these villages are 907 , which implies that there are 907 females per 1000 males. The child (0-6 years) sex ratio is poorer then overall sex ratio and it is 871 of these villages.

Figure 55 : Sex Ratio Population composition

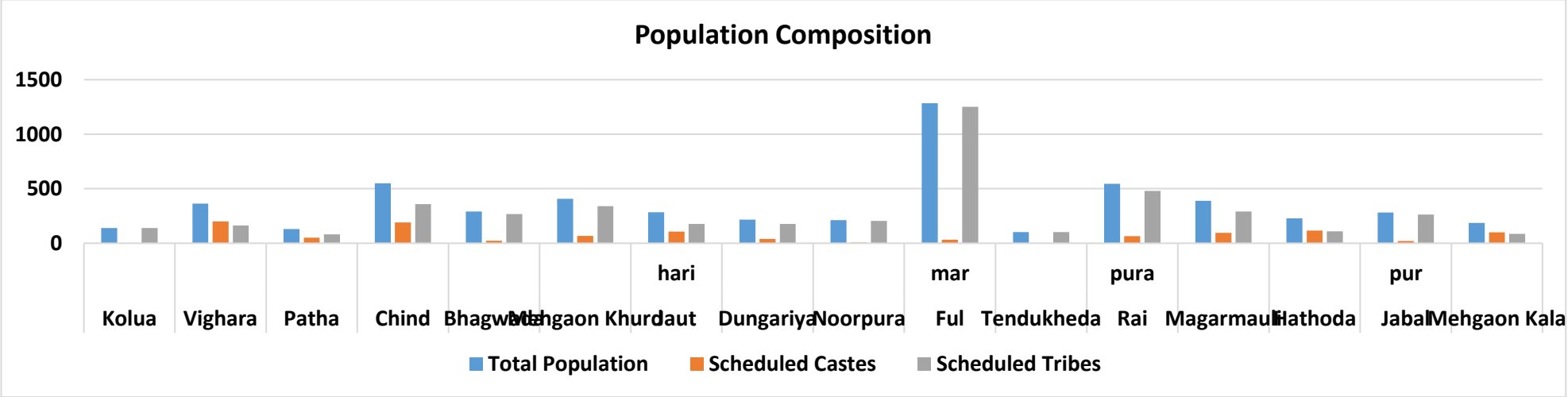


The totals STs Population in this villages are 4491, which is 80.08% of the total population. Kolua and Tendukheda villages has highest percentage of tribal population of 100%.

Table 88 – Raisen population *Villagewise details are as follows*

	Kolua	Vighara	Patha	Chind	Bhagwada	Me-hgaon Khurd	Jauthari	Dungariya	Noorpura	Fulmar	Tendu-khedа	Raipura	Magarmauli	Ha-thoda	Jabalpur	Me-hgaon Kala
Total Population	139	364	131	550	292	407	283	217	212	1283	102	544	388	227	282	187
Scheduled Castes	0	201	50	192	24	68	106	39	6	32	0	65	96	117	20	101
Scheduled Tribes	139	163	81	358	268	339	177	178	206	1251	102	479	292	110	262	86

Figure 56 : Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 61 %, in which male literacy is 73 % and female literacy is 48 % in these villages.

Table 89 – Raisen Important Statistics relating to works participation

	Kolua	Vighara	Patha	Chind	Bhagwada	Me-hgaon Khurd	Jauthari	Dun-gariya	Noorpura	Fulmar	Ten-dukheda	Raipura	Magar mauli	Ha-thoda	Jabalpur	Me-hgaon Kala
Total Workers																
Total	116	188	142	185	213	225	444	68	161	700	32	358	200	261	188	544
Males	77	161	108	131	198	124	337	51	90	371	24	183	158	174	98	290
Females	39	27	34	54	15	101	107	17	71	329	8	175	42	87	90	254
(i) Main Work-ers																
Total	93	25	120	58	196	12	290	43	31	424	29	352	198	191	186	215
Males	62	17	99	52	186	10	245	39	26	261	23	182	158	154	97	173
Females	31	8	21	6	10	2	45	4	5	163	6	170	40	37	89	42
(ii) Marginal Workers																
Total	23	163	22	214	162	213	154	25	130	276	3	6	2	70	2	329
Males	15	144	9	146	93	114	92	12	64	110	1	1	0	20	1	117
Females	8	19	13	68	69	99	62	13	66	166	2	5	2	50	1	212
Non-Workers																
Total	152	346	295	566	258	189	819	349	182	661	70	256	366	313	136	173
Males	62	131	116	229	110	96	348	154	88	312	24	121	124	123	69	89
Females	88	215	179	337	148	93	471	195	94	349	46	135	242	190	67	84

Brief Profile of Milli-Watershed (5D4A5d):

Table 90 – Raisen List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compart-ment No.	Gram Pancha-yat	Name of the Com-mittee
Raisen	West Silwani	5D4A5d	Khamariya Maanpur		Khamariya Maanpur	Maanpur, Patna, Sa-hajpuri
			Patna Ka-char			
			Gad-arwada			
			Kota			
			Shajpuri			

Table 91 – Raisen The key demographic information is as below

	Khamariya Maan-pur	Patna	Gad-arwada	Kota Khajari	Shajpuri
Total Population	457	571	332	286	310
Male	242	293	172	140	156
Female	215	278	160	146	154
Total Households	99	121	72	50	64
Average members per HHs	4.61	4.71	4.61	5.72	4.84
Child Population (0-6)					
Total Child (0-6years) population	92	93	62	67	49
Male (0-6 years) population	53	49	36	34	29
Female (0-6 years) population	39	44	26	33	20

Sex Ratio

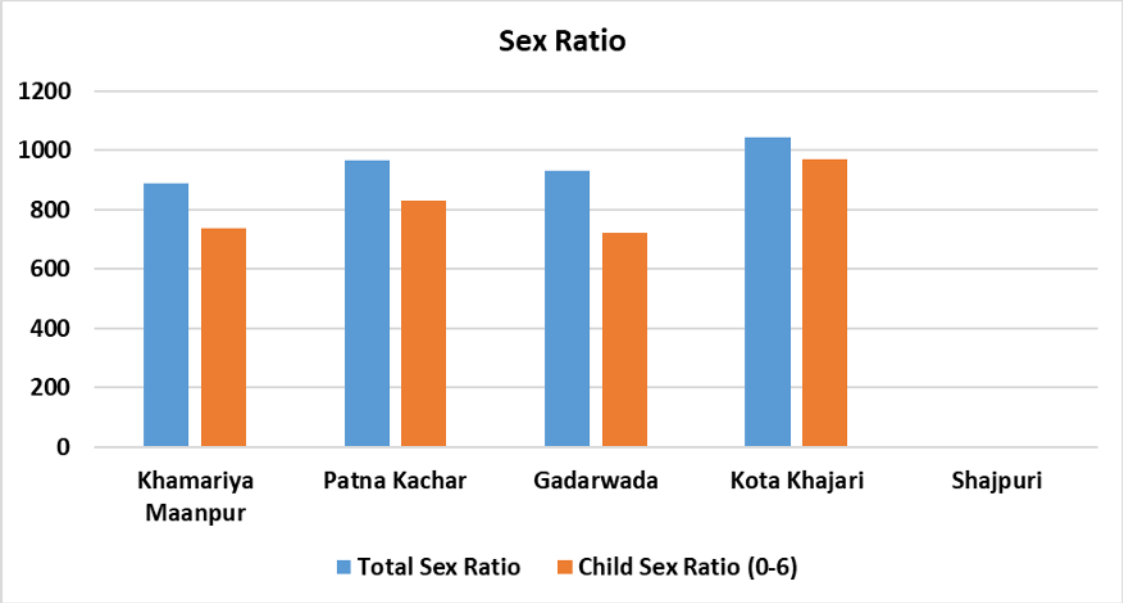
The overall sex ratio of these villages are 957 , which implies that there are 957 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 814 of these villages.

Table 92 – Raisen *Villagewise sex ratio details are as follows*

	Khamariya Maanpur	Patna Kachar	Gad-arwada	Kota Khajari	Shajpuri
Total Sex Ratio	888	967	930	1043	Data nor found
Child Sex Ratio (0-6)	736	829	722	971	Data nor found

(Child sex ratio in Khamariya Maanpur (736) and Gadarwada (722) are serious matter of concern in social aspects.)

Figure 57 : Sex Ratio



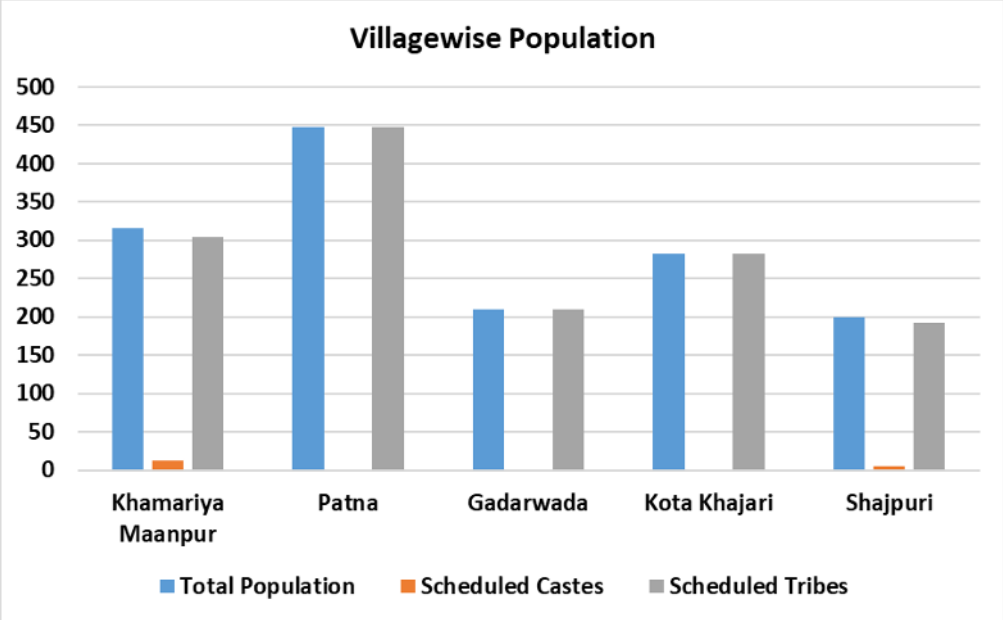
Population composition

The totals STs Population in these village are 1437, which is 99% of the total population. Patna, Gadarwada and Kota khajari village has highest percentage of tribal population of 100%.

Table 93 – Raisen *Villagewise population details of selecdted areas are as follows*

	Khamariya Maan-pur	Patna	Gad-arwada	Kota Khajari	Shajpuri
Total Population	316	448	210	282	199
Scheduled Castes	12	0	0	0	6
Scheduled Tribes	304	448	210	282	193

Figure 58 : Population Composition



Literacy Rate

The overall literacy rate of these villages is 55.23%, in which male literacy is 55.91% and female literacy is 44.09% in these villages.

Table 94 – Raisen selected area literacy *Village wise Details are as follows:*

	Khamariya Maanpur	Patna Ka-char	Gad-arwada	Kota	Shajpuri
Total Literacy	22.05	34.84	15.45	11.91	15.75
Male	59.82	56.78	54.78	52.89	51.88
Female	40.18	43.22	45.22	47.11	48.13

Figure 59: Literacy Rate

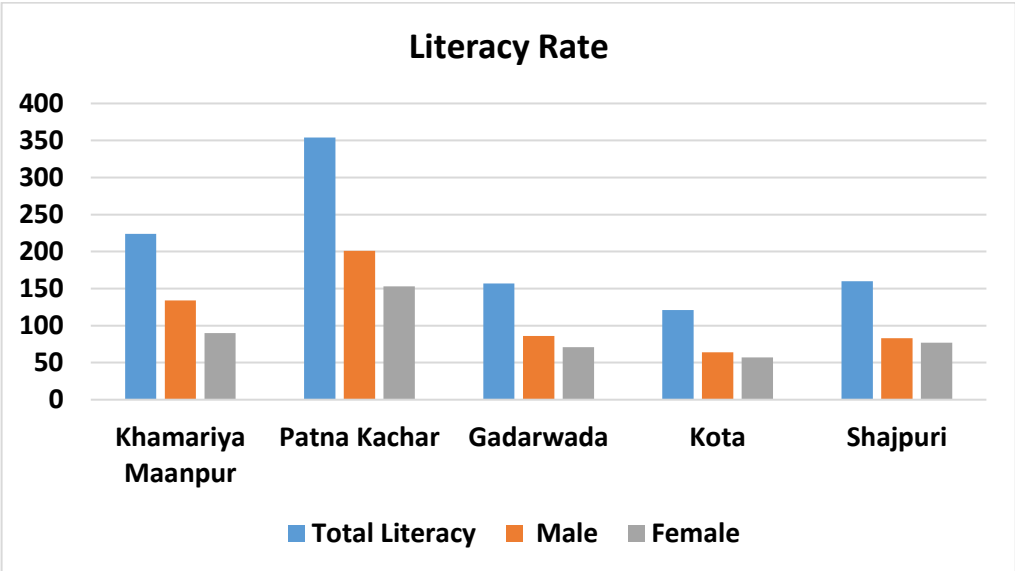


Table 95 – Raisen Important Statistics relating to works participation

	Khamariya Maanpur	Patna Ka-char	Gad-arwada	Kota Khajari	Shajpuri
Total Workers					
Total	244	262	183	131	196
Males	132	149	108	73	103
Females	112	113	75	58	93
(i) Main Workers					
Total	46	6	22	35	8
Males	37	4	18	32	6
Females	9	2	4	3	2
(ii) Marginal Workers					
Total	198	256	161	96	188
Males	95	145	90	41	97
Females	103	111	71	55	91
Non-Workers					
Total	213	309	149	155	114
Males	110	144	64	67	53
Females	103	165	85	88	61

Socio Economic and Caste Census (SECC) 2011, Village wise information of households

SECC List for IPPE2

State: Madhya Pradesh				District: Raisen	Block: Silwani	Gram Panchayat: CHIND		
#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\ Mother's Name	Deprivation count	Auto Inclusion\ Deprivation code	Total Members
	Village:Bagwada							
1	ajmer\अजमेर	M	26	ST	हन्नू\नीमा	AI	--,--,--,AI4,--	3
2	AMAR SINGH\अमर सिंह	M	22	ST	वृसंग सिंह\कुशम बाई	AI	--,--,--,AI4,--	3
3	BABLU SINGH\बबलू सिंह	M	26	ST	मिही लाल\हल्की बई	AI	--,--,--,AI4,--	5
4	babu\बाबू	M	25	ST	हन्नू\नीमा	AI	--,--,--,AI4,--	2
5	BABU LAL\बाबू लाल	M	44	ST	खुमान सिंह\गोमती बाई	AI	--,--,--,AI4,--	6
6	DALLO BAI\डल्लो बाई	F	50	ST	खिलान सिंह\पूना बाई	AI	--,--,--,AI4,--	3
7	GOMATI BAI\गोमती बाई	F	72	ST	अमान सिंह\भागवती	AI	--,--,--,AI4,--	1
8	gurdayal\गुरदयाल	M	25	ST	रामू\बदीबाई	AI	--,--,--,AI4,--	2
9	HAKAM SINGH\हाकम सिंह	M	44	ST	मोहन लाल\जीरो बई	AI	--,--,--,AI4,--	8
10	HANNU SINGH\हन्नू सिंह	M	48	ST	मोहन लाल\जीरो बाई	AI	--,--,--,AI4,--	8
11	HAR PRASAD\हर प्रसाद	M	22	ST	मुन्ना लाल\जमना बाई	AI	--,--,--,AI4,--	4
12	HOTI LAL\होती लाल	M	47	ST	गोविन्दी सिंह\फाग बाई	AI	--,--,--,AI4,--	6
13	JAG MOHAN SINHG\जग मोहन सिंह	M	37	ST	दुर्गा सिंह\इमरती बाई	AI	--,--,--,AI4,--	4
14	KALU RAM\कालू राम	M	60	ST	मोहन लाल\जीरो बाई	AI	--,--,--,AI4,--	4
15	KAMLESH SINGH\कमलेश सिंह	M	32	ST	रामू सिंह\वड़ी बाई	AI	--,--,--,AI4,--	6
16	KARAN SINHG\करन सिंह	M	30	ST	दुर्ग सिंह\इमरती बाई	AI	--,--,--,AI4,--	4
17	KHILAN SINGH\खिलान सिंह	M	47	ST	दुर्ग सिंह\इमरती बाई	AI	--,--,--,AI4,--	5
18	MUNNA LAL\मुन्ना लाल	M	47	ST	खुमान सिंह\गोमती बाई	AI	--,--,--,AI4,--	4
19	NATHTHU LAL\नथ्थु लाल	M	52	ST	सुम्मी लाल\सहोला बाई	AI	--,--,--,AI4,--	7
20	RAJ KUMAR\राज कुमार	M	38	ST	मिही लाल\हल्की बाई	AI	--,--,--,AI4,--	6
21	RAM BABU\राम बाबू	M	25	ST	सुगर लाल\कली बाई	AI	--,--,--,AI4,--	4
22	RAM CHARAN\रामचरण	M	37	ST	सिब्बू लाल\केशर बाई	AI	--,--,--,AI4,--	6
23	RAM RATAN SINGH\राम रतन सिंह	M	46	ST	सुग्गी लाल\सहोला बई	AI	--,--,--,AI4,--	7
24	RAMDEEN\रामदीन	M	22	ST	मुनीम सिंह\मीरा बाई	AI	--,--,--,AI4,--	4
25	RAMESH KUMAR\रमेश कुमार	M	23	ST	राव सिंह\डल्लो बाई	AI	--,--,--,AI4,--	3

Scheduled caste from about 16.96 and Scheduled tribe from about 15.40% of the total population. About 44.06% of the worker population which is 228151 works as agricultural labourers

2.7.9 Reason for selection of L2 landscapes: -

- The area is ecologically important area and falls in the catchment area of perennial rivers Narmada, Betwa, Kaliyasot, and Palakmati.
- The livelihood opportunities are less. The level of dependence on forest is high.
- Income from Agriculture is meager. A large portion of the population in the landscape lives below poverty line.
- This landscape is biodiversity rich area .
- The area serves as buffer zone for the wild animals of Ratapani and Singhori sanctuaries .
- The forest is facing threat from the factors of degradation like fire, illicit felling, encroachment, illicit mining etc.

2.7.10 Possible solutions to enhance forest cover,improve ecosystem services and address the drivers of degradations:-

- Effective management to combat biotic pressure: -It will be achieved through efficient fire management, regularizing the grazing, control on illicit felling, enhancing fodder, fuel wood, bamboo, small and NTFP production through plantation of selective species.

- Enhancement of forest cover in forest and non forest area - It will be achieved through plantation in forest and non forest area.

- Soil and water conservation - It will be achieved through watershed treatment methodology i.e. the treatment from ridge to valley of the watershed.

- Reduction in the degree of dependence on forest- It will be achieved through promotion of alternate energy resources such as biogas, solar devices, LPG and fuel efficient devices.

- Promotion of Livelihood opportunities -Various livelihood activities such as Dairy Farming, NTFP based livelihoods, Kiranastore, sewing machine, Poultry farming, Dona pattal manufacturing and Fisheries will be taken up in the project villages along with skill development.

2.7.11 Proposed interventions: -

- Capacity building of JFMC members by organizing JFMC level workshop and training programs.
- Capacity building of forest personnel by organizing division level and range level workshops.
- Developing the spearhead teams in the JFMC areas to spread the concept of participatory management of community resources.
- Protection and maintenance activities to conserve the existing natural resources.

2.7.12 Cross cutting interventions proposed: -

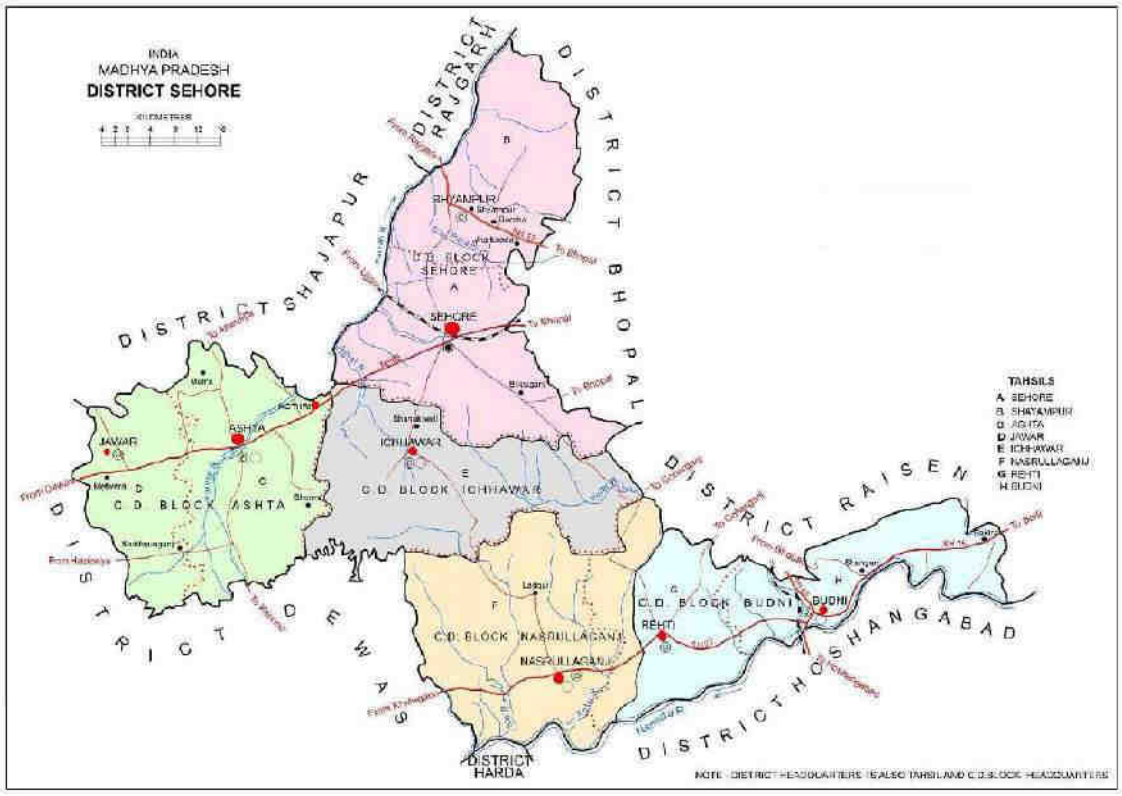
- Improving fuel-wood efficiency and promoting alternative energy sources.
- Creating awareness about the non destructive harvesting of NTFP.

2.7.13 Livelihood improvement activities proposed: -

Skill Development trainings, Dairy farming, NTFP Collection and value addition to promote livelihoods activities.

Chapter 6: 6.2- Landscape details for L 1 Landscape (iv)- Vindhya Plateau: Sehore Forest Division

In L 1 Landscape (iv)- Vindhya Plateau, District Sehore stands in the foot hills of Vindhyachal range in the middle of Malwa region. The district lies between $22^0$31' to $22^0$40' North latitude and $76^0$22' to $78^0$8' East longitude.



The large extent of the district is part of Malwa plateau. The district mainly constitutes of following three geographical formations:-

1.	Malwa plateau	58%
2.	Vindhyachal Mountain rage	22%
3.	Narmada valley	20%

The altitude varies from 282 meter to 666 meter above mean sea level. The eastern part of the district is covered with sandstone and shales where as the western part is covered with sandstone and basalt. Most of the soil on malwa plateau is black soil. Alluvial soil is present in the area lying near Narmada river. The average annual precipitation in the district is 1100 mm. and average annual temperature varies from a minimum of 19.02^0 c to maximum of 31.94^0c. Major rivers of the district are Narmada and Parvati. The main tributaries of Narmada passing through the district are Kaken, Seep, Kolar, Amber, Bhagner and Dhaboi. Parvati river has its origin in Sehore district itself which originates from Govindpur village and has Ajnal, Papnas, Sewan etc. as its main tributaries.

There is only one territorial forest division in the district namely Sehore forest division, which has been selected for GIM.

2.8.1 Forest:-

The forests of Sehore district are Tropical Dry Deciduous forest. Teak is a major species of the forest and a large area belongs to teak forest. Rest of the forests are mixed forest where other main species are Dhawda, Saja, Lendia, Tendu,Gurjan, Achar, Aonla, Tinsa etc. Sehore district is bestowed with good forest area and 49% of which is dense forest area where density of the forest goes up to 0.8.

The area wise distribution of the forest is as follows: -

Table 96 – Sehore area wise distribution of forests

Reserve forest	Protected forest	Total
1128.48 (Sq. Km.)	401.23 (Sq. Km.)	1529.71 (Sq. Km.)

Bamboo in the forest of Sehore is found in a very degraded stage.

2.8.2 Wildlife:-

With the abundance of forest area in the district Sehore was once known for its wildlife. But due to increasing biotic pressure the wildlife in the forest of district is not in a prominent position. But even then, their presence is there and recently even tiger has been reported very frequently in the district in the area adjoining to Bhopal. The other species found in the forest of the district are Leopard, Chousingha, Chinkara, Neelgai, Black buck.

2.8.3 Dependence on forest:-

There are 1031 villages in the district out of which 470 villages lie in a periphery of 5 km. from forest area. Large number of populations is dependent on forest for their livelihood. According to working plan estimation the annual requirement of the district is as follows: -

Table 97 – Sehore annual requirement of forest produce

	Item	Annual requirement
1.	Timber	6313 cmt.
2.	Poles	4562 cmt.
3.	Fuel wood	26440 cmt.
4.	Bamboo	447305 No.

For most of the requirement villagers are dependent on forest but there is a great gap between demand and supply. Apart from this there are 506870 cattles in the district which corresponds to 619870 cattle units. The grazing carrying capacity of Sehore forest is only 193095 cattle units. It is evident from above figures that the grazing pressure is too much on the forest because more than 50% cattle depend on forest for fodder.

Besides, villagers depend on forest for MFP collection and lac cultivation also. The Dohar and Basod community of the district prepare articles from sirali / harsingar (Nictanthus arbortritris) found in the forest.

2.8.4 Joint forest management: -

There are 470 villages lying within 5 km periphery of forest land. In these villages 233 JFMCs have been constituted. They are 144 forest protection committee and 89 village forest committees and an area of about 1527 sq. km. has been assigned to these committees. Apart from actively cooperating in forest protection these committees are also participating in forest development activities.

2.8.5 L-2 Landscapes selected in Sehore District: -

Following 5 milli watersheds of Sehore division have been selected as L2 landscapes: -

Figure: 60- Details of selected L 2 Landscape: Milli-watershed detail

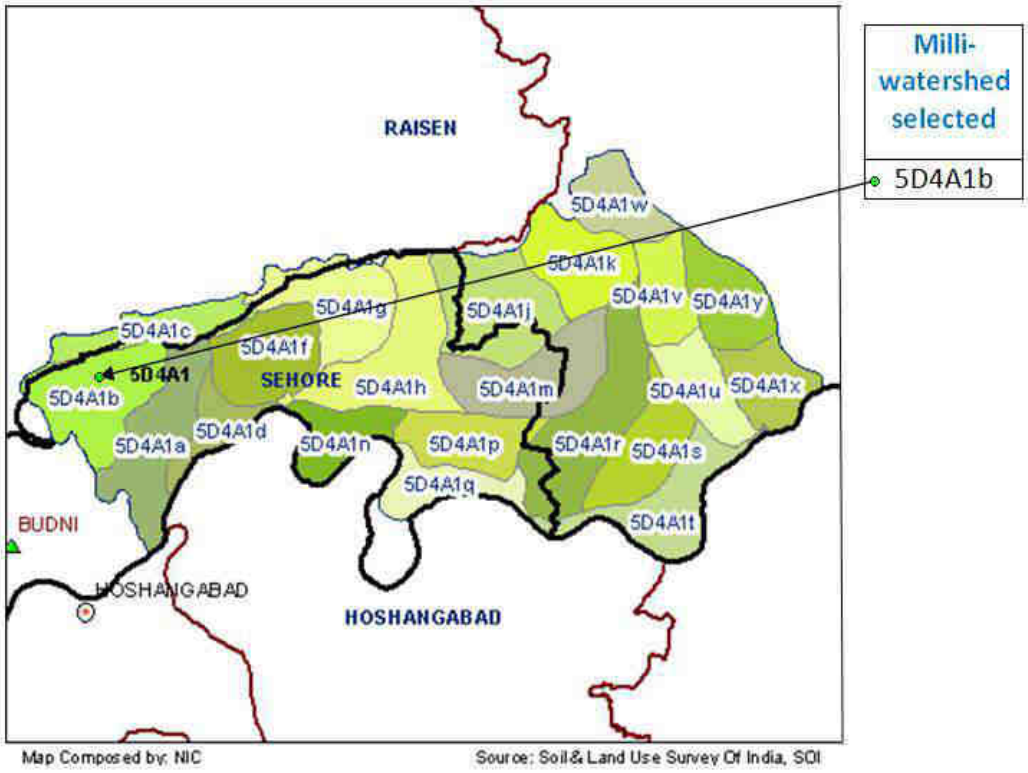


Figure: 61- Details of selected L 2 Landscape: Milli-watershed detai

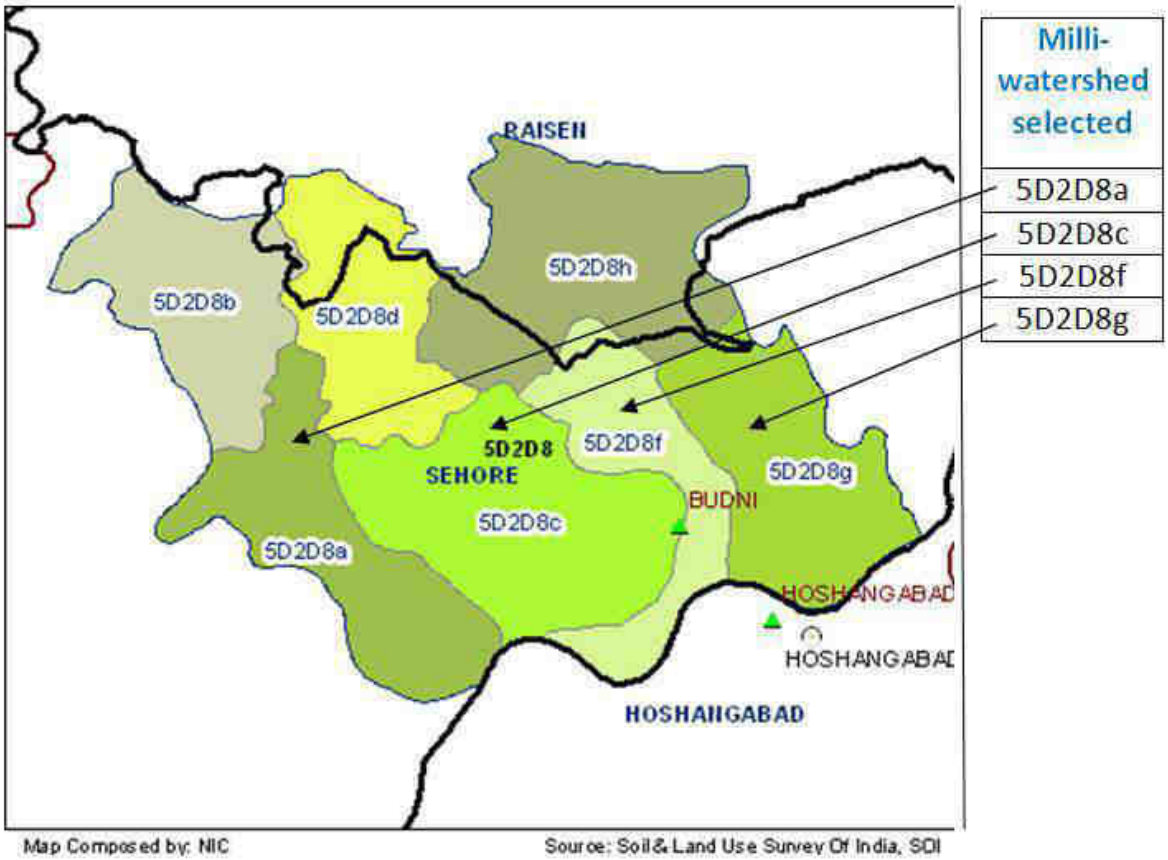


Table 98 – Sehore L 2 milli-watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D2D8g	947.8074	2046.092	323.0285	3316.93	2367.854	5684.782
Total		947.8074	2046.092	323.0285	3316.93	2367.854	5684.782

Thus, the milli watershed selected as L2 landscapes for Sehore division have an area of 5684.782 ha. This 01 milli-watersheds are the operational units for implementation of GIM. The 01 milli watersheds possess forest as well as non forest area. The 01 milli-watersheds have 28 micro watersheds out of which 03 micro watersheds selected have forest as well as non forest area. The forest area in the milli –watersheds is largely dense as well as open forest area which needs measures to supplement natural regeneration by artificial means.

2.8.6 L3 landscapes selected in Sehore District: -

The 1 milli-watershed selected as L2 landscapes have further been divided into total 6 micro-watersheds which are the working unit of the GIM. All the micro-watersheds of a particular milli-watershed have been taken up for treatment so that the milli-watershed is completely treated. The milli-watershed wise description of these micro-watersheds is as follows: -

2.8.6.1 Milli-watershed no. 5D2D8g:-

The micro-watersheds selected in this milli-watershed are as follows: -

Table: 99- Details of selected L 2 Landscape: Milli-watershed 5D2D8g detail

.	Micro-watershed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D2D8g1	13.21	8.28	4.67	26.17	861.77	887.944
2.	5D2D8g2	225.71	305.43	111.61	642.7522	64.42	707.17
3.	5D2D8g3	184.93	670.71	120.92	976.56	0.00	976.554
4.	5D2D8g4	140.57	600.73	29.97	771.2638	0.00	771.263
5.	5D2D8g5	0	0.00	0	0	986.34	986.336
6.	5D2D8g6	383.39	460.94	55.86	900.1849	455.33	1355.515
Total		**947.8074**	**2046.092**	**323.0285**	**3316.93**	**2367.854**	**5684.782**

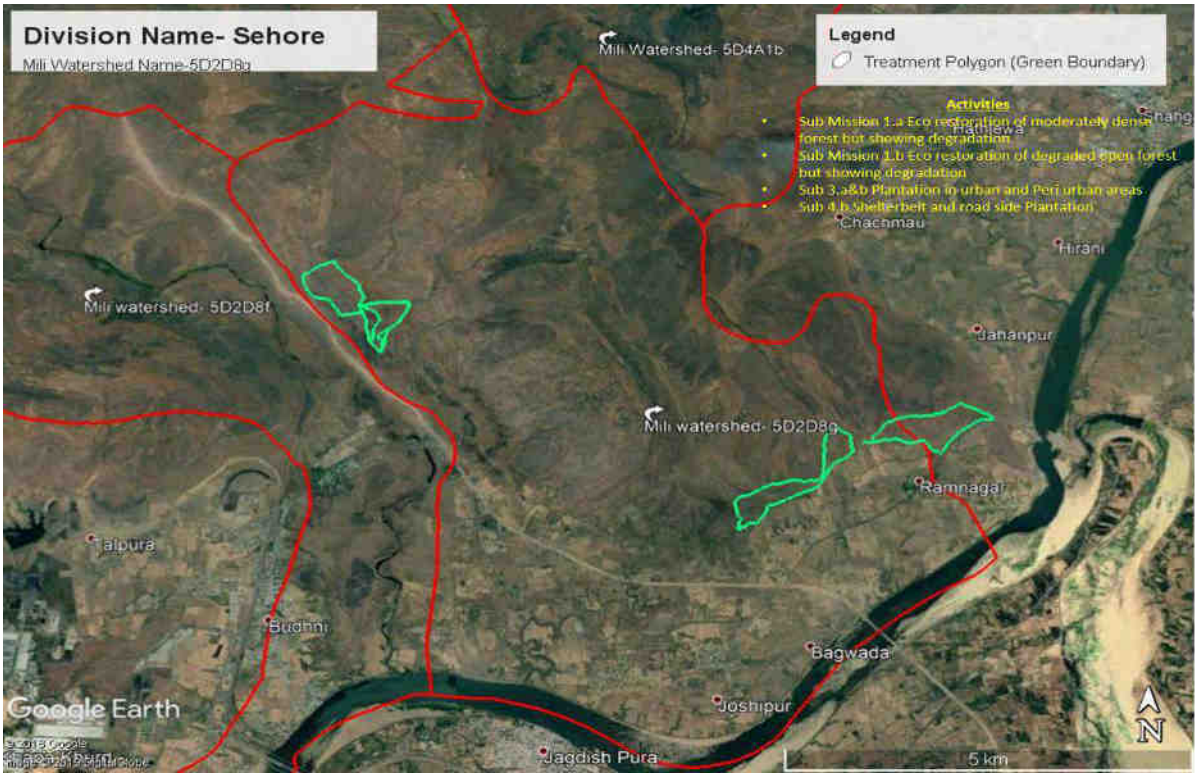


Figure:62- KML File of the L 3 Landscape under treatment

2.8.7 Reason for selection of L2 landscapes: -

- The area selected under L2 landscape falls in the catchment of Narmada river.

- The regeneration of the prominent species in the forest is very poor and requires special assistance.

- The area is adjoining to Ratapani wild life sanctuary and acts as the buffer to the protected area.

- The rehabilitation of proposed forest area will ensure conservation of soil and water, and help in conserving biodiversity which is essential in maintaining ecological balance of the area and also for dispersal of wild animals.

- The forest area is prone to illicit felling as it is Teak rich area.

2.8.8 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Effective management to combat biotic pressure - It will be achieved through efficient fire management, regularizing the grazing, control on illicit felling, enhancing fodder, fuel wood, bamboo, small and NTFP production through plantation of selective species.

- Enhancement of forest cover in forest and non forest area

- It will be achieved through plantation in forest and non forest area.

- Soil and water conservation - It will be achieved through watershed treatment methodology i.e. the treatment from ridge to valley of the watershed.

- Reduction in the degree of dependence on forest- Reduction in the degree of dependence on forest will be achieved through promotion of alternate energy resources such as biogas, solar

devices, LPG and fuel-efficient stoves and introduction of various community livelihood opportunities and plantation of the species which are suitable to increase the fuel, fodder, small timber and NTFP production.

2.8.9 Proposed interventions: -

- Strengthening of Forest department and JFMC
- Promoting Team of Community foresters at JFMC level
- Forest Protection and maintenance activities with the help of local communities.

2.8.10 Cross cutting interventions proposed: -

- Improving fuel-wood efficiency and promoting alternative energy sources

2.8.11 Livelihood improvement activities proposed: -

- Various livelihood activities such as Dairy Farming, NTFP based livelihoods, general store, sewing machine, Poultry farming, Dona pattal manufacturing and Fisheries will be taken in the villages.

2.8.12 FY 2018-19 physical and financial progress as per budget allottment: -

Under different submissions of Green India Mission, following progress in FY 2018-19 is made in L 1 Landscape (iv):-

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Raisen				Obedullaganj				Sehore				Vindhya	
				Target		Achievement		Target		Achievement		Target		Achievement		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600														
		a) Advance Work	15840	541	85.69	541	62.35	680	107.71	680	89.58	242	38.25	242	36.74	1463.00	188.67
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenan	4752	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**541**	**85.69**	**541**	**62.35**	**680**	**107.71**	**680**	**89.58**	**242**	**38.25**	**242**	**36.74**	1463.00	188.67
	b) Eco-restoration of degraded open forests	Type A - with plenty of root	42240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	16896	69	11.68	69	6.18	180	30.41	180	23.71	36	6.00	0	0.00	249.00	29.89
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**69**	**11.68**	**69**	**6.18**	**180**	**30.41**	**180**	**23.71**	**36**	**6.00**	**0**	**0.00**	249.00	29.89
		with limited root stock and open	79200	102	32.38	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	102	32.38	102	22.00	0	0.00	0	0.00	0	0.00	0	0.00	102.00	22.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenan	9504	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**102**	**32.38**	**102**	**22.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	102.00	22.00
		largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0	0.00	49	25.87	49	6.45	0	0.00	0	0.00	49.00	6.45
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**49**	**25.87**	**49**	**6.45**	**0**	**0.00**	**0**	**0.00**	49.00	6.45
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	36960	0	0.00	0	0.00	9	3.36	9	1.19	0	0.00	0	0.00	9.00	1.19
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			7392	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**9**	**3.36**	**9**	**1.19**	**0**	**0.00**	**0**	**0.00**	9.00	1.19

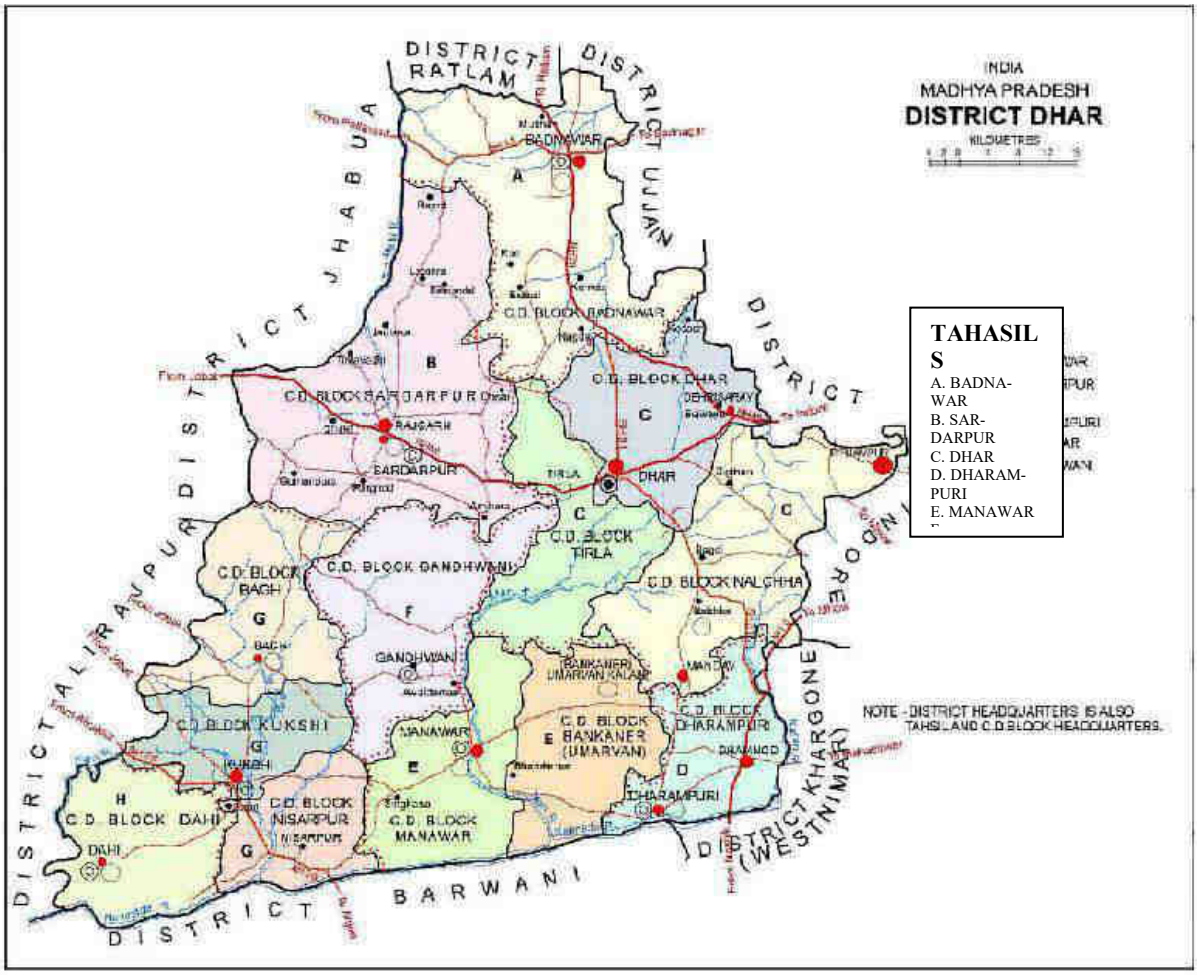
Sub Mission 2: Ecosystem restoratio	a) Rehabilitation of Shifting Cultivation Areas		79200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	b) Restoring		132000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Restoring/ planting Sea-buckthorn		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	d) Restoration of Mangrove		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	e) Ravine reclamation		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
Sub			264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

Mission 2: Ecosystem restoration and increase in forest	f) Restoration of adandoned mining area	a) Advance Work	105600	3	2.64	3	2.20	0	0.00	0	0.00	0	0.00	0	0.00	3.00	2.20
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenan	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**3**	**2.64**	**3**	**2.20**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	3.00	2.20
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban	a) Plantation in Urban & Peri-urban areas		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	20	21.12	20	8.01	0	0.00	0	0.00	0	0.00	0	0.00	20.00	8.01
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenan	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**20**	**21.12**	**20**	**8.01**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	20.00	8.01
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass	a) Farmer's land including current fallows	Farmer's	52800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	21120	121	25.53	0	0.00	134	28.20	0	0.00	69	14.62	0	0.00	0.00	0.00
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenan	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**121**	**25.53**	**0**	**0.00**	**134**	**28.20**	**0**	**0.00**	**69**	**14.62**	**0**	**0.00**	0.00	0.00
	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			16896	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	24	17.37	0	0.00	32	23.65	0	0.00	14	10.50	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenan	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**24**	**17.37**	**0**	**0.00**	**32**	**23.65**	**0**	**0.00**	**14**	**10.50**	**0**	**0.00**	0.00	0.00
Sub Mission 5: Restoration of Wetlands : 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	63360	0	0.00	0	0.00	0	0.00	0	0.00	5	3.17	0	0.00	0.00	0.00
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
			12672	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**5**	**3.17**	**0**	**0.00**	0.00	0.00

Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	3300	128	4.23	0	0.00	349	11.52	0	0.00	20	0.66	0	0.00	0.00	0.00
Total A				**879**	**200.65**	**735**	**100.74**	**1084**	**230.73**	**918**	**120.93**	**365**	**73.19**	**242**	**36.74**	1895.00	258.41
Activities Cost				0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
Research (2% of A)				0	4.01	0	0.00	0	4.61	0	0.00	0	1.46	0	0.00	0.00	0.00
Publicity/Media/outreach activities (1% of				0	2.01	0	0.00	0	2.31	0	0.00	0	0.73	0	0.00	0.00	0.00
Monitoring and Evaluation (1% of A)				0	2.01	0	0.00	0	2.31	0	0.00	0	0.73	0	0.00	0.00	0.00
Livelihood improvement activities, (17% of				0	34.11	0	0.00	0	39.22	0	0.00	0	12.44	0	0.00	0.00	0.00
Strengthening local-level institutions (5 %				0	10.03	0	0.00	0	11.54	0	0.00	0	3.66	0	0.00	0.00	0.00
Strengthening FDs (5% A)				0	10.03	0	0.00	0	11.54	0	0.00	0	3.66	0	0.00	0.00	0.00
Mission Organisation, operation and				0	8.03	0	0.00	0	9.23	0	0.00	0	2.93	0	0.00	0.00	0.00
Total B				**0.00**	**70.23**	**0.00**	**0.00**	**0.00**	**80.75**	**0**	**0.00**	**0.00**	**25.62**	**0**	**0.00**	0.00	0.00
Grand Total (A+B)				**879**	**270.87**	**735**	**100.74**	**1084**	**311.48**	**918**	**120.93**	**365**	**98.81**	**242**	**36.74**	1895.00	258.41

Chapter 7: Landscape details for L 1 Landscape (v): Malwa Plateau Dhar Forest Division

In L 1 Landscape (v): Malwa Plateau, Dhar district is located in the Malwa region of western Madhya Pradesh state in central India. The district is located between 22^0 47' to 23^0 08' north latitude and 74^0 28' to 75^0 42' east longitude. The Vindhyan range runs east and west through the district.



The northern part of the district lies on the Malwa plateau. The northwestern portion of the district lies in the watershed of the Mahi River and its tributaries, while the northeastern part of the district lies in the watershed of the Chambal River, which drains into the Ganges via the Yamuna River. The portion of the district south of the ridge of the Vindhya lies in the watershed of the Narmada River, which forms the southern boundary of the district. The district extends over three physiographic divisions. They are the Malwa Plateau, the Vindhyachal range and the Narmada valley.

Malwa Plateau

The northern half of the district lies on the Malwa plateau. It covers the northern parts of Dhar, Sardarpur and Badnawar tahsils. The average elevation of the plateau is 500 metres above mean sea level. The land is undulating with a few scattered flat topped hills roughly aligned between the valleys from south to north. The valleys are covered with black cotton soil of varying thickness, mostly adapted for cultivation. The mounds may bear gravels or the underlying sandstone rocks may have been exposed.

Vindhyachal Range

The great Vindhyachal range extends generally from west to east and scarps at most of its length towards the south. In Dhar also the south-ward scarps are well marked, the wall rising from 400 to 600 meters. However, in the western part their faces have been eroded back into

long and deep rugged valleys of the tributary hills of the Narmada. In fact the strong currents of the small streams on the steep southern side have cut back at their heads.

In the eastern and central parts of the Vindhyachal in Dhar the main hill range is continuous but in the west it is dissected by deep channels of the rivulets. The range slopes towards the north and gradually meets the Malwa plateau. Numerous spurs also extend over the Malwa plateau in the north. But in the western half in the district one may also find a series of denuded ridges alternating with the parallel stream-channels and running for some kilometers from local confusion, unless one tries to trace the line of the main peaks.

The highest peak of the district, Mograba (751.03 meters) lies in the central part. Nilkanth (702.26 meters) lies further east and the Shikarpura hill rises up to 698.91 meters. The famous historical fort of Mandugarh towers the flat-topped hill about 600 meters, from the mean sea level.

Narmada Valley

Below the Vindhyachal scarps lies the narrow valley of the Narmada. It occupies the southern part of the district in Manawar tahsil and the south-eastern part of Kukshi tahsil. The width of the valley is 15 to 30 kilometers. The elevation varies from 275 meters in the northern part of Manawar tahsil to 150 meters in the low plain of Nisarpur in the south-west. To the east between Khalghat and Bakaner the valley is undulation wider, more open and fertile with alluvial cover. Proceeding westward, the valley is studded with hills alternatively cut up by numerous streams which join the Narmada along the southern boundary of the district. The result is that there are few stretches and pockets of alluvium along the streams.

The average annual rainfall is 833.6 mm. The normal maximum temperature received during the month of May is 39.9^0 c and minimum during the month of January is 9.6^0 c. The main soil type developed in the area are black cotton soil , loamy soil and lateritic soils.

There is only one forest division in the district and it has been selected for the purpose of GIM.

2.9.1 Forest:-

Forests of Dhar are mainly Southern Tropical Dry Deciduous Mixes forest. The main species are Dhawda, Palash, Lendia, Salai, Moyan, Anjan. Most of the forests of Dhar district are degraded forest with vast stretches of denuded lands. The distribution of the forest area in the division is as follows: -

Table: 100- Details of distribution of forest area in Dhar

Reserve Forest	Protected Forest	Grass Bir	Sanctuary area	Total (ha.)
82802.14	45936.63	33.685	1295.02	130067.48

There are old grass birs and one bird sanctuary is also there in the district.

2.9.2 Wildlife: -

Before independence Dhar was ruled by earstwhile small state rulers and chieftans who used to maintain game areas for hunting purposes. But with depletion of forest most of the wild life has vanished and there is no significant wild life left in the district. Only hyena, jackal, hare etc. can be seen but news about presence of leopard and their sighting is quite frequent. The area is still home to endangered bird species namely Kharmore or Lesser florican. For the protection and conservation of this bird Sardarpur bird, sanctuary has been constituted in Dhar district.

2.9.3 Dependence on forest: -

There are 1477 villages in the district out of which 544 villages lie in a periphery of 5 km. from forest area. Substantial population is dependent on forest for their livelihood. According to working plan estimation the annual requirement of the district is as follows: -

Sr.No.	Item	Annual requirement
1.	Timber	5864.35 cmt.
2.	Fuel wood	640008 qt.
3.	Bamboo	118960 No.

For most of the requirement villagers are dependent on forest but there is a great gap between demand and supply. Apart from this there is huge grazing pressure also on forest.

2.9.4 Joint Forest Management: -

There are 544 villages lying within 5 km periphery of forest land. In these villages 241 JFMCs have been constituted. Out of these 240 are village forest committees. There is one eco development committee also which is in the area adjoining the Sardarpur wild life sanctuary. Since there is not much dense forest area in the division, no forest protection committee has been constituted in the division. A total 1185.760 Sq. Km. area has been assigned to these committees constituted in the division.

2.9.5 L-2 Landscapes selected in Dhar District: -

Following 02 milli watersheds of the division have been selected as L2 landscapes: -

Table: 101- Details of L 2 milli-watershed in Dhar

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D2A7j	0	1436.448	1528.626	2965.074	441.261	3406.335
2.	5D2A8t	0	713.917	2280.465	2994.382	915.041	3909.423
Total		**0**	**2150.365**	**3809.091**	**5959.456**	**1356.302**	**7315.773**

Thus total 7315.773 ha. area of these landscapes has been selected for treatment under GIM. These 02 milli-watersheds are the operational unit for implementation of GIM. There is no dense forest in the landscapes selected. Even the open forest area is also very little, most of the area is blank and non forest area. All the 2 milli watersheds possess forest as well as non forest area. These 2 milli-watersheds have 18 micro watersheds and all the micro watersheds have forest as well as non forest area.

Figure: 63- Details of selected L 2 Landscape: Milli-watershed detail

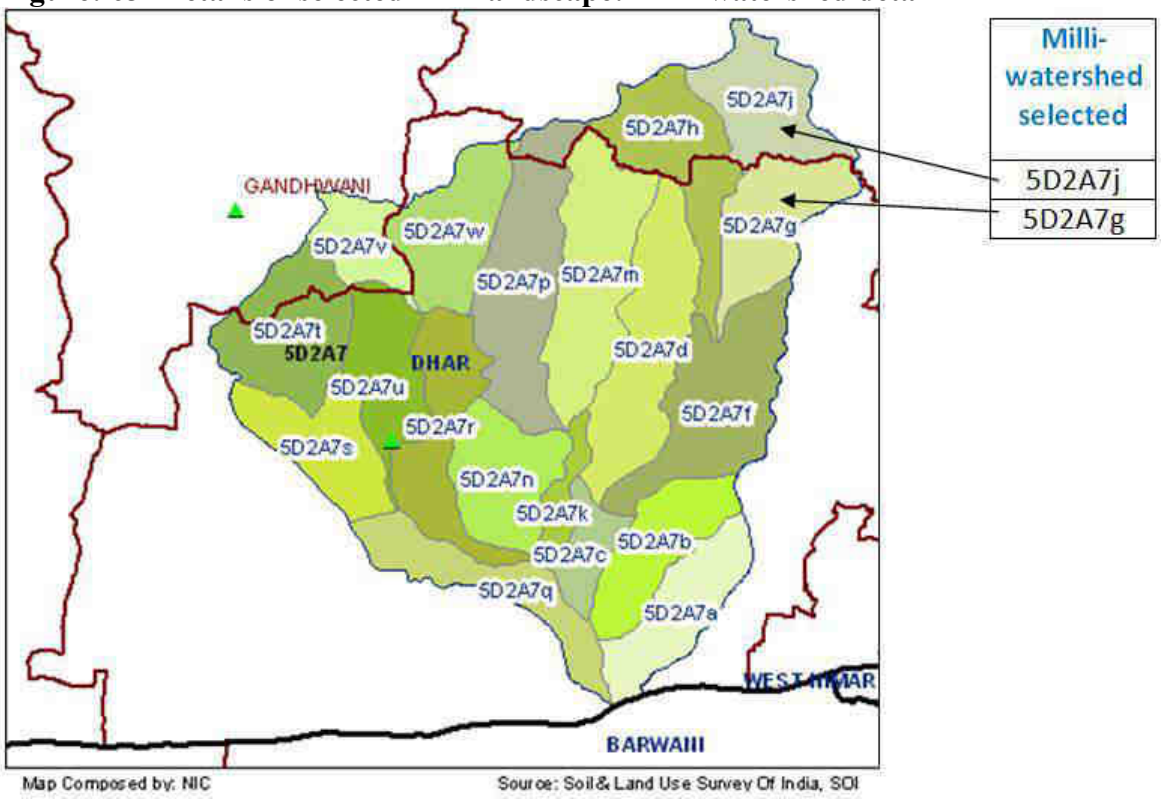
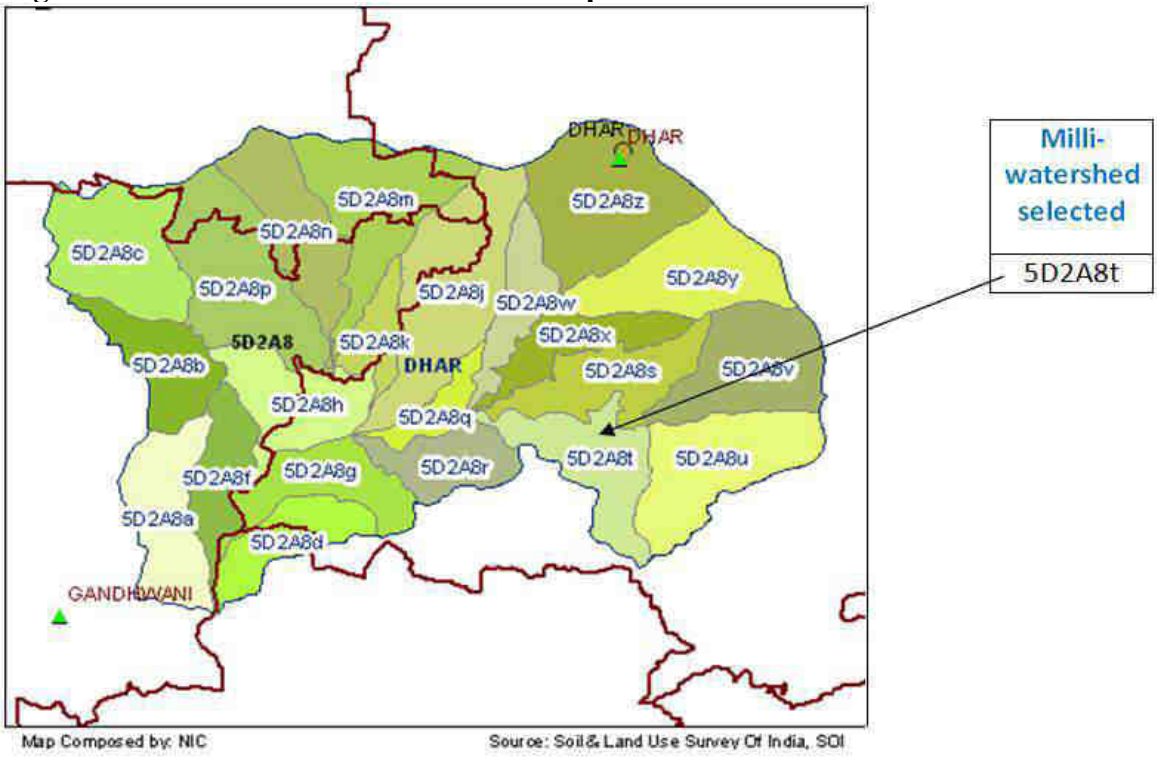


Figure: 64- Details of selected L 2 Landscape: Milli-watershed detail



2.9.6 L3 landscapes selected in Dhar District.

The 2 milli-watersheds selected as L2 landscapes are constituted of total 12 micro-watersheds which are the working unit of the GIM. All the micro-watersheds of a particular milli-watershed have been taken up for treatment so that the milli-watershed is completely treated. The milli-watershed wise description of these micro-watersheds is as follows: -

2.9.7.1 Milli-watershed no. 5D2A7j: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table: 102- Details of L 2 milli-watershed 5D2A7j in Dhar

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense For-est	Open Forest	Blank Forest	Total		
1.	5D2A7j1	0	223.029	119.174	342.203	98.347	440.55
2.	5D2A7j2	0	352.178	302.825	655.003	61.938	716.941
3.	5D2A7j3	0	372.624	523.53	896.154	76.507	972.661
4.	5D2A7j4	0	294.649	325.57	620.219	178.121	798.34
5.	5D2A7j5	0	193.968	257.527	451.495	26.348	477.843
Total		**0**	**1436.448**	**1528.626**	**2965.074**	**441.261**	**3406.335**

2.9.7.2 Milli-watershed no. 5D2A8t: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table: 103- Details of L 2 milli-watershed 5D2A8t in Dhar

No.	Micro-watershed No.	Forest Area					Non Forest Area	Total Area (ha.)
		Dense For-est	Open Forest	Blank Forest	Total			
1.	5D2A8t1	0	178.709	323.748	502.457		123.812	626.269
2.	5D2A8t2	0	106.604	303.328	409.932		14.871	424.803
3.	5D2A8t3	0	135.955	345.73	481.685		103.567	585.252
4.	5D2A8t4	0	49.894	430.782	480.676		31.901	512.577
5.	5D2A8t5	0	82.914	284.552	367.466		137.619	505.085
6.	5D2A8t6	0	147.15	168.201	315.351		164.44	479.791
7.	5D2A8t7	0	12.691	424.124	436.815		338.831	775.646
Total		**0**	**713.917**	**2280.465**	**2994.382**		**915.041**	**3909.423**

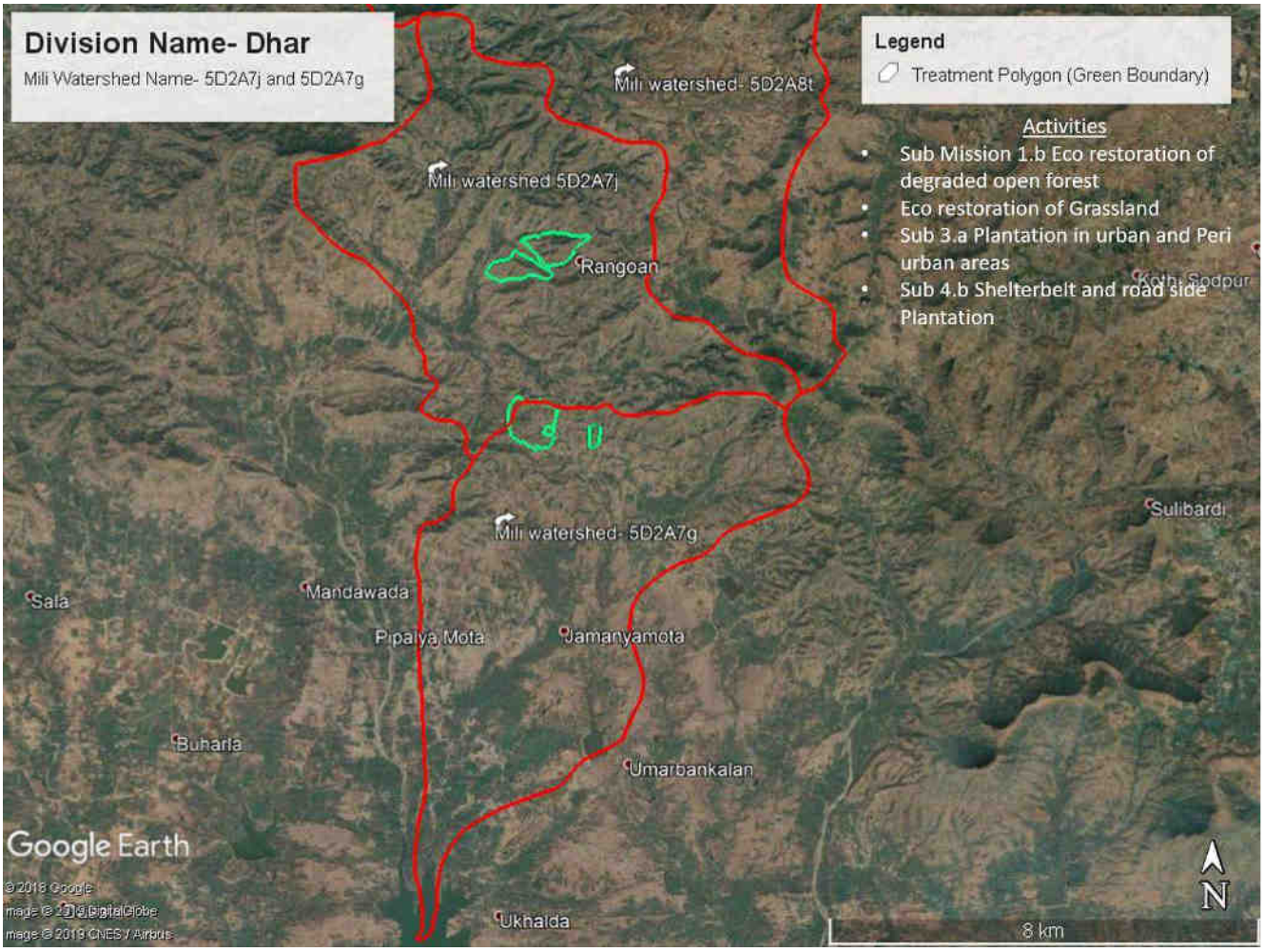


Figure:65- KML File of the L 3 Landscape under treatment

2.9.8 Demography: -

As per 2011 census data the population dynamics of the division is as follows: -

Total area of the district		8153 Sq Km
Literacy rate		59 %
No. of villages		1477
No. of households		423324
Population	Rural	1772572
	Urban	413221
	Total	2185793
Population	Male	1112725
	Female	1073068
	Total	2185793
Scheduled caste population		145436
Scheduled tribe population		1222814

Dhar is a tribal dominant area where 55.94% of the population is Scheduled tribe. Bagh, Dahi, Dhar, Dharampuri, Gandhwani, Kukshi, Nalchha, Nisarpur, Sardarpur, Tirla and Umarban are tribal blocks in the districts. Main tribe is Bheel which has Barela, Bhilala and Pateliya as sub tribe. The main economy of the district is agriculture and 42.55% of the worker population which is 437437 people work as agriculture labourers.

2.9.10 Reason for selection of L2 landscapes: -

- Forests of selected area are degraded due to heavy biotic pressure. But this area is equally important for Biodiversity means.
-Area falls in the watershed of Mahi river.
- Scheduled area with dominant tribal population.
- This landscape is biodiversity rich area - The area contains endangered plant as well as animal species.
- Large percentage of the population in the landscape lives below poverty line.
- The livelihood opportunities are less. In the district there only one industrial area located at Pithampur but it is far from the selected area so the level of dependence on forest is high.
- Income from agriculture is meager.
- Forest land is in degraded condition.

2.9.11 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Effective management to combat biotic pressure – It will be achieved through efficient fire management, regularizing the grazing, control on illicit felling, enhancing fodder, fuel wood, bamboo, small and NTFP production through plantation of selective species.
- Enhancement of forest cover in forest and non forest area - It will be achieved through plantation in forest and non forest area.
- Enhancement of quality and productivity of the forest- It will be achieved through soil water conservation methods on the line of watershed treatment methodology and by providing assistance to natural regeneration.
- Reduction in the degree of dependence on forest- Reduction in the degree of dependence on forest will be achieved through promotion of alternate energy resources such as biogas, solar devices, LPG and fuel-efficient stoves.
- Development of pasture land.
- Degraded and open forest area shall be treated.
- To check the wind velocity shelterbelt plantation will be taken up.

2.9.12 Proposed interventions: -

- Promotion and Strengthening of JFMCs by organizing JFMC level and Division level workshop and training program and awareness generation on GIM. Training will be provided to field staff and members on PRA micro-planning, watch and ward activities and on establishing convergence.
- Developing the Team of Community foresters at JFMC level - Young and educated youth will be selected from JFMCs as Community forester and they will be trained in account keeping and forest management aspects. These community foresters will assist the forest staff in implementation of mission activities.
- Protection and maintenance activities- The maintenance and protection of existing forest cover is as much important as the encouraging new plantation and treatment of degraded area. Two to three chowkidars will be selected and paid under mission activities and they will be responsible for maintenance of existing works and will support the field staff in fire-watching and protection activities in the area. They will also encourage more and more people to join hands with the forest department to protect and enhance forest cover.

2.9.13 Cross cutting interventions proposed: -

Improving fuel-wood efficiency and promoting alternative energy sources. Distribution of pressure cooker, promotion of solar lamps, solar cooker, bio-gas plants depending on the need will be facilitated in the selected area.

2.9.14 Livelihood improvement activities proposed: -

Promotion of livelihood opportunities -Various livelihood activities such as Dairy Farming, NTFP based livelihoods, general stores, sewing machine, Poultry farming, Dona pattal manufacturing and Fisheries will be taken in all villages along with skill development.

2020-21	480.34	23.76	176.43	680.53
Total	**4638.48**	**183.32**	**1687.63**	**6509.43**

A total of Rs.65.09 cr. is proposed to be spent on the selected activities.

2.9.15 FY 2018-19 physical and financial progress as per budget allottment: -

Under different submissions of Green India Mission, following progress in FY 2018-19 is made in L 1 Landscape (v): -

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	DHAR				Malwa plateau	
				Target		Achievement		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600						
		a) Advance Work	15840	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	13860	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	4752	0	0.00	0.00	0.00	0.00	0.00
		II Year	3168	0	0.00	0.00	0.00	0.00	0.00
		III Year	1980	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	16896	121	20.36	121.00	11.99	121.00	11.99
		b) Creation	14784	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	5069	0	0.00	0.00	0.00	0.00	0.00
		II Year	3379	0	0.00	0.00	0.00	0.00	0.00
		III Year	2112	0	0.00	0.00	0.00	0.00	0.00
		Total		**121**	**20.36**	**121**	**11.99**	**121.00**	**11.99**
		Type B- with limited root stock and open blanks	79200	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0.00	0.00	0.00	0.00
		II Year	6336	0	0.00	0.00	0.00	0.00	0.00
		III Year	3960	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	52800	7	3.48	7.00	1.97	7.00	1.97

		b) Creation	46200	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0.00	0.00	0.00	0.00
		II Year	10560	0	0.00	0.00	0.00	0.00	0.00
		III Year	6600	0	0.00	0.00	0.00	0.00	0.00
		Total		**7**	**3.48**	**7**	**1.97**	**7.00**	**1.97**
	c) Restoration of grasslands		92400	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	36960	64	23.47	64.00	20.22	64.00	20.22
		b) Creation	32340	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	11088	0	0.00	0.00	0.00	0.00	0.00
		II Year	7392	0	0.00	0.00	0.00	0.00	0.00
		III Year	4620	0	0.00	0.00	0.00	0.00	0.00
		Total		**64**	**23.47**	**64**	**20.22**	**64.00**	**20.22**
Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	a) Rehabilitation of Shifting Cultivation Areas		79200	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0.00	0.00	0.00	0.00
		II Year	6336	0	0.00	0.00	0.00	0.00	0.00
		III Year	3960	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	b) Restoring Scrublands		132000	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	46200	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0.00	0.00	0.00	0.00
		II Year	10560	0	0.00	0.00	0.00	0.00	0.00

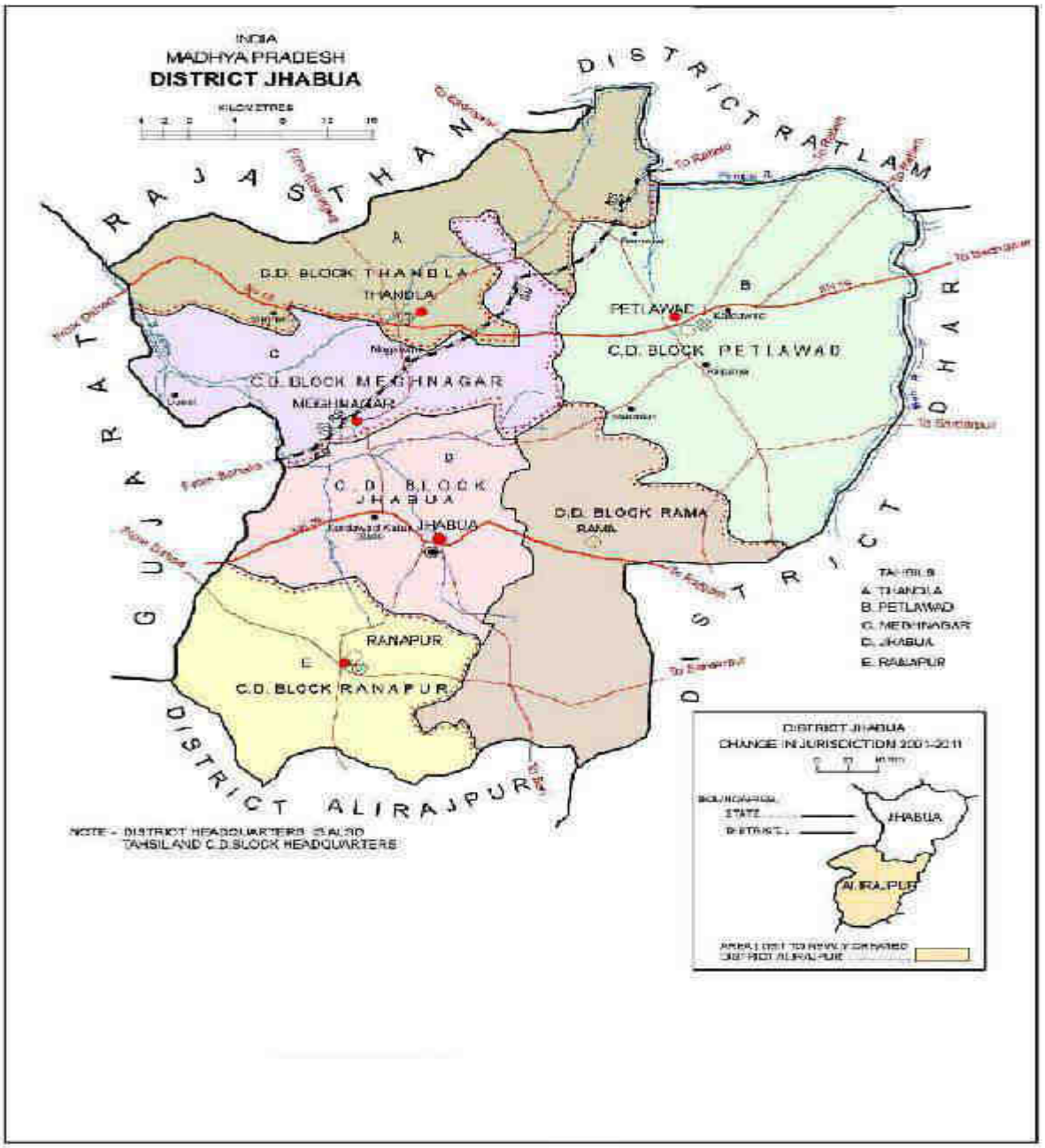
		III Year	6600	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	c) Restoring/ planting Sea-buckthorn		264000	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0.00	0.00	0.00	0.00
		II Year	21120	0	0.00	0.00	0.00	0.00	0.00
		III Year	13200	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	d) Restoration of Mangroves		184800	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0.00	0.00	0.00	0.00
		II Year	14784	0	0.00	0.00	0.00	0.00	0.00
		III Year	9240	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	e) Ravine reclamation		184800	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0.00	0.00	0.00	0.00
		II Year	14784	0	0.00	0.00	0.00	0.00	0.00
		III Year	9240	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	ed		264000	0	0.00	0.00	0.00	0.00	0.00

Sub Mission 2: Ecosystem restoration and increase in forest cover	f) Restoration of adandon mining area	a) Advance Work	105600	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0.00	0.00	0.00	0.00
		II Year	21120	0	0.00	0.00	0.00	0.00	0.00
		III Year	13200	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	a) Plantation in Urban & Peri-urban areas		264000	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	105600	8	8.00	8.00	4.51	8.00	4.51
		b) Creation	92400	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0.00	0.00	0.00	0.00
		II Year	21120	0	0.00	0.00	0.00	0.00	0.00
		III Year	13200	0	0.00	0.00	0.00	0.00	0.00
		Total		**8**	**8.00**	**8**	**4.51**	**8.00**	**4.51**
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	a) Farmer's land including current fallows	Farmer's land	52800	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	21120	15	3.23	0.00	0.00	0.00	0.00
		b) Creation	18480	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	6336	0	0.00	0.00	0.00	0.00	0.00
		II Year	4224	0	0.00	0.00	0.00	0.00	0.00
		III Year	2640	0	0.00	0.00	0.00	0.00	0.00
		Total		**15**	**3.23**	**0**	**0.00**	**0.00**	**0.00**
	b) Shelterbelt plantations		211200	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	84480	4	3.38	4.00	1.87	4.00	1.87
		b) Creation	73920	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	25344	0	0.00	0.00	0.00	0.00	0.00
		II Year	16896	0	0.00	0.00	0.00	0.00	0.00
		III Year	10560	0	0.00	0.00	0.00	0.00	0.00
		Total		**4**	**3.38**	**4**	**1.87**	**4.00**	**1.87**
	) Highways/Rural s/Canals/ Tank Bunds		184800	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	73920	5	3.62	5.00	0.75	5.00	0.75
		b) Creation	64680	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0.00	0.00	0.00	0.00
		II Year	14784	0	0.00	0.00	0.00	0.00	0.00

	c road:	III Year	9240	0	0.00	0.00	0.00	0.00	0.00
		Total		**5**	**3.62**	**5**	**0.75**	**5.00**	**0.75**
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0.00	0.00	0.00	0.00
		a) Advance Work	63360	0	0.00	0.00	0.00	0.00	0.00
		b) Creation	55440	0	0.00	0.00	0.00	0.00	0.00
		c) Maintenance I Year	19008	0	0.00	0.00	0.00	0.00	0.00
		II Year	12672	0	0.00	0.00	0.00	0.00	0.00
		III Year	7920	0	0.00	0.00	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	**155**	**5.10**	**0.00**	**0.00**	**0.00**	**0.00**
Total A				**223**	**70.65**	**209**	**41.31**	**209.00**	**41.31**
Activities Cost				0.00	0.00	0.00	0.00	0.00	0.00
Research (2% of A)				0.00	1.41	0.00	0.00	0.00	0.00
Publicity/Media/outreach activities (1% of A)				0.00	0.71	0.00	0.00	0.00	0.00
Monitoring and Evaluation (1% of A)				0.00	0.71	0.00	0.00	0.00	0.00
Livelihood improvement activities, (17% of A)				0.00	12.01	0.00	3.72	0.00	3.72
Strengthening local-level institutions (5 % A)				0.00	3.53	0.00	0.00	0.00	0.00
Strengthening FDs (5% A)				0.00	3.53	0.00	0.00	0.00	0.00
Mission Organisation, operation and maintenance,				0.00	2.83	0.00	0.00	0.00	0.00
Total B				**0.00**	**24.73**	**0.00**	**3.72**	**0.00**	**3.72**
Grand Total (A+B)				**223**	**95.37**	**209**	**45.03**	**209.00**	**45.03**

Chapter 8: 8.1- Landscape details for L 1 Landscape (vi) Nimar-Jhabua Hills: Jhabua Forest Division

In the L 1 Landscape (vi) Nimar-Jhabua Hills, Jhabua is a predominantly tribal district located in the western part of Madhya Pradesh. Panchamahal and Baroda districts of Gujrat State, Banswara district of Rajsthan State and Dhar and Ratlam districts of Madhya Pradesh surround it.



The district is situated between 21 ^{0} 55' to 23^{0} 14' north latitude and 74 ^{0} 1' to 75 ^{0} 01' east longitude and has an area of 3600 sq. km. River Narmada forms the southern boundary of the district. Most part of Jhabua is devoid of a good forest cover because of low fertility of land and soil. Jhabua is sparsely populated area with the total population of 10,25,048 according to 2011 census. The area suffers from poor and skeletal soils with shallow to very shallow depth and erratic rainfall, high temperature. The area comes under Agro climatic zone namely Jhabua hills. Climate is generally moderate and seasons are well defined. The summers are hot, winters are short and the monsoon season is generally pleasant. The average annual rainfall in the district is 855.5mm. Most of the rainfall occurs in monsoon season while there is also a little of rainfall in winter season .A hot summer and general dryness characterize the climate of Jhabua district, except during the southwest monsoon season. The normal annual mean maximum temperature is 32.8^{0} c and normal annual mean minimum temperature is 19.1^{0} c. Jhabua district is mainly a hilly region covered

with a chain of hills known as "The Vindhyachal" which extends northwards towards Udaipur in Rajasthan. The maximum elevation of 777 m. above mean sea level is recorded in the district. The general trends of the hills are in east-west direction. Jhabua district lies in two major basins, the Mahi in the north and the Narmada in the south. The Narmada River forms the southern boundary of the district with a westerly flow of water. The major tributaries having their confluence with the Narmada are Hatni, Ankhar, Sukar, Orsang, Heran, Kara and Bagh. Narmada river has a length of 50 Km. In the district and along with its tributaries drains 48% of the geographical area. The Mahi River forms northern and northeastern boundary of the district. It has a length of 67 Km. Within the district limits and along with its left bank tributaries. The Anas and Pampawati drains 52% of the geographical area of the district. The Anas river with its tributaries Like Mod, Sapan and Sunar, Negaria and Pat covers 38% of the geographical area of the district. The variation in climatic condition, topography and lithology in Jhabua district has played a significant role in the formation of soil which has resulted from the physical and chemical weathering of the parent rock. Black cotton soil has been derived from the parent basaltic rock under semi-arid conditions. These soils are clay to loamy clay in texture, having clay contents of 40% to 60% mixed with red and yellow soil.

The district is predominantly a tribal district with Bhil, Bhilala, Patel being the main tribes. The district was formed in 1948 and later on in May 1998 Jhabua district was divided into two parts namely Jhabua and Alirajpur. The district is highly drought prone and degraded wasteland form the matrix of Jhabua. Based on type of geoformations, the district can be divided into three distinct parts:-

1- Malwa Plateau
2- Vindhyan Scarp
3- Narmada Valley

Malwa Plateau forms the major part of the district. The major minerals found in the district are Dolomite, Limestone, Graphite, Manganese and Quartz. Jhabua is the only forest division in the district and has been selected for the purpose of GIM.

2.10.1 Forest:-

Forests of Jhabua are mainly Southern Tropical Dry Deciduous Mixes forest. The main species are Dhawda, Palash, Lendia, Salai, Moyan, Anjan. Most of the forests of Jhabua district are degraded forest with vast stretches of denuded hills. The distribution of the forest area in the division is as follows: -

Table: 104- Details of distribution of the forest area in the Jhabua division

Reserve Forest	Protected Forest	Unclassified Forest	Total (sq.km.)
520.926	153.256	60.770	734.952

2.10.2 Wild life:-

Before independence Jhabua was ruled by earstwhile small state rulers and chieftans who used to maintain game areas for hunting purposes. But with depletion of forest most of the wild life has vanished and there is no significant wild life left in the district. Only hyena, jackal, hare etc. can be seen and sometime news about presence of leopard is also heard. The terrain of the forest land still bear areas which can become suitable for the wild life .

2.10.3 Dependence on Forest:-

There are 783 revenue villages in Jhabua district out of which 355 villages are situated within 5 km. periphery of the forest area. According to working plan estimates following forest produce are required to meet the annual demand of the population: -

Sr No.	Item	Annual Requirement
1	Timber	5256 cmt.
2	Fuelwood	2331801 qt.
3	Bamboo	1539067 no.
4	Poles	522602 no.

Demand of forest produce is huge but the forests of the district are unable to meet this demand. Similarly for fodder also the difference between demand and supply is tremendous. There are 1207928 cattle in the district which make 1197273 cattle units whereas the grazing carrying capacity of the forest is only 213135 cattle units . Therefore the grazing pressure is 5.62 times more and this has put a great impact on the health of the forest also.

2.10.4 Joint Forest Management:-

Out of the total 783 villages in the Jhabua district, 355 Villages lie in the vicinity of the forest. To ensure these villagers participation in the protection and management of the forest about 292 JFMCs have been constituted in these villages. An area of 654.02sq .km. has been assigned to these JFMCs for forest protection and management. Since most of the area of the division is under stocked and blank forest, all the JFM committees are village forest committees.

2.10.5 L-2 Landscapes selected in Jhabua District:-

Following 01 milli watersheds of the division have been selected as L2 landscapes:-

Table: 105- Details of L 2 milli-watershed in the Jhabua division

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5E2A5s	0	483.008	2275.973	2758.981	6104.404	8863.385
Total		**0**	**483.008**	**2275.973**	**2758.981**	**6104.404**	**8863.385**

Thus total 8863.385 ha. area of these landscapes have been selected for treatment under GIM. The 01 milli-watershed is the operational unit for implementation of GIM. There is no dense forest in the landscapes selected. Even the open forest area is also very little, most of the area is blank and non forest area. The 01 milli watershed possess forest as well as non forest area. The selected 01 milli watersheds have 08 micro watersheds out of which 01 micro watershed selected have forest as well as non forest area.

Figure: 66- Details of selected L 2 Landscape: Milli-watershed detail

Figure: 67- Details of selected L 2 Landscape: Milli-watershed detail

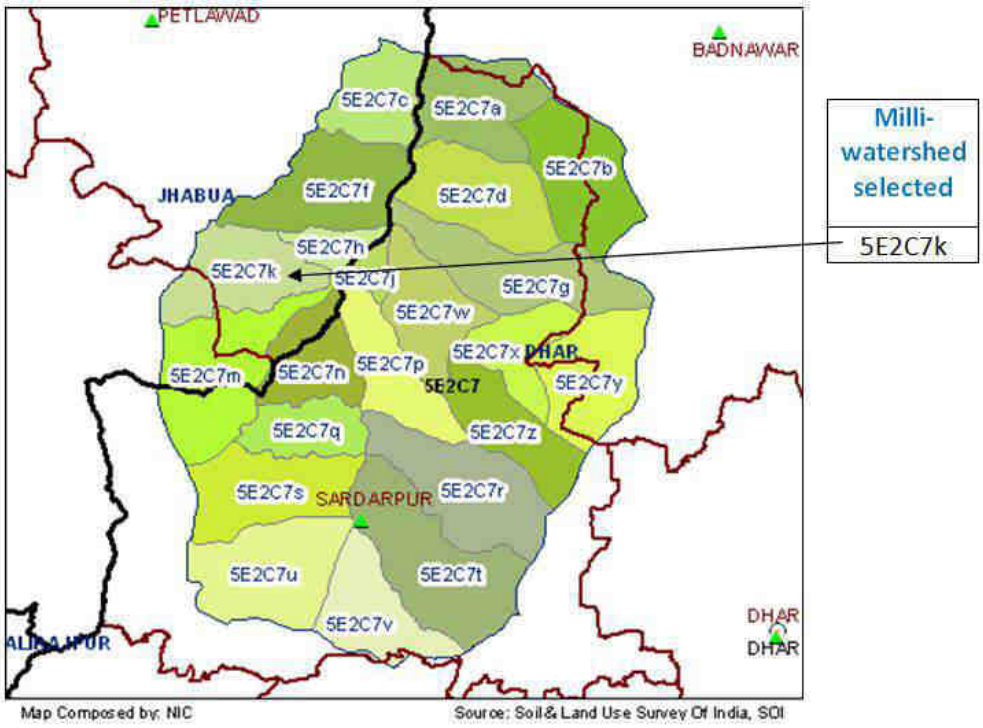
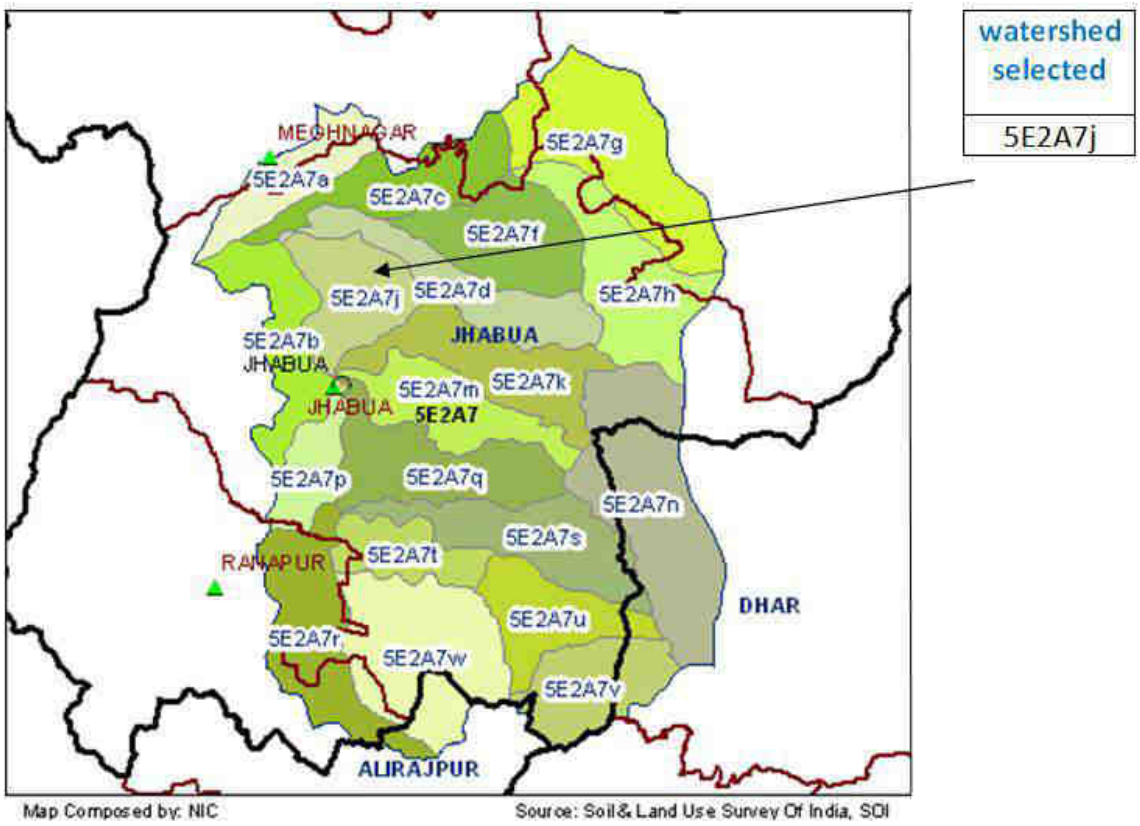


Figure: 68- Details of selected L 2 Landscape: Milli-watershed detail



2.10.6 L3 landscapes selected in Jhabua District:-

The 01 milli-watersheds selected as L2 landscapes comprises of 8 micro-watershed which is the working unit of the GIM. The milli-watershed wise description of these micro-watersheds is as follows:-

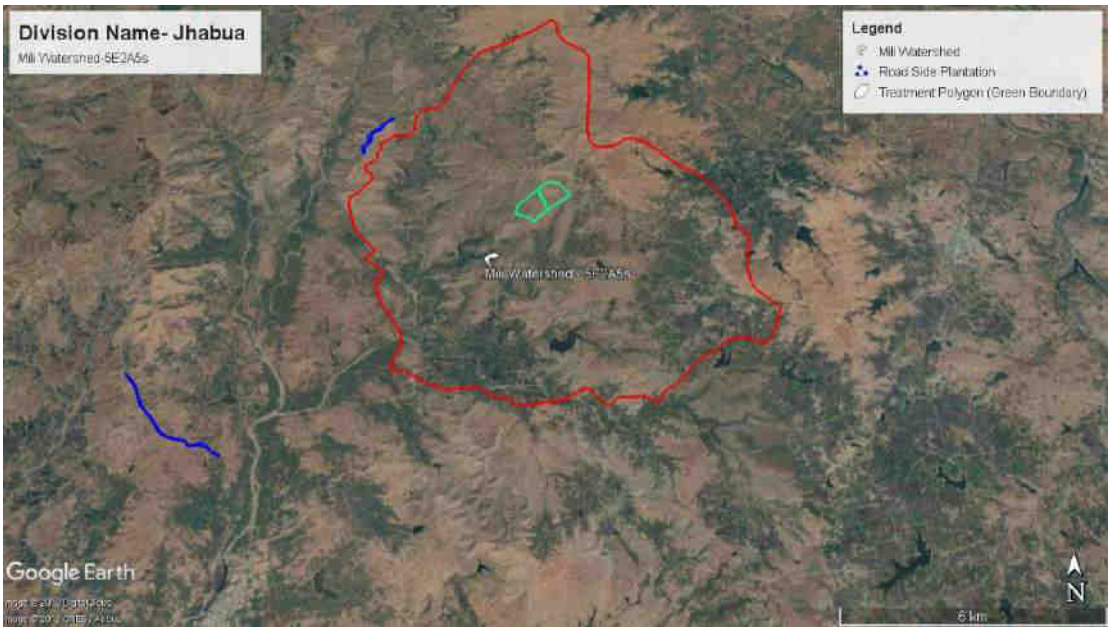
2.10.7.1 Milli-watershed no. 5E2A5s:-

The micro-watersheds selected in this milli-watershed are as follows:-

Table: 106- Details of L 3 milli-watershed in the Jhabua division

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5E2A5s1	0	168.339	283.448	451.787	659.636	1111.423
2.	5E2A5s2	0	70.42	566.919	637.339	726.227	1363.566
3.	5E2A5s3	0	162.245	105.492	267.737	665.211	932.948
4.	5E2A5s4	0	48.086	633.405	681.491	545.991	1227.482
5.	5E2A5s5	0	0.545	140.313	140.858	496.589	637.447
6.	5E2A5s6	0	18.765	261.5	280.265	652.44	932.705
7.	5E2A5s7	0	4.065	225.325	229.39	904.152	1133.542
8.	5E2A5s8	0	10.543	59.571	70.114	1454.158	1524.272
Total		**0**	**483.008**	**2275.973**	**2758.981**	**6104.404**	**8863.385**

Figure:69- KML File of the L 3 Landscape under treatment



2.10.8 Demography:-

As per 2011 census data of the district are as follows:-

Total area of the district		3600.00 sq Km.
Literacy rate		44.5%
No. of villages		813
No. of households		193116
Population	Rural	933065
	Urban	91983
	Total	1025048
Population	Male	515023
	Female	510025
	Total	1025048
Scheduled caste population		17427
Scheduled tribe population		891818

Thandla:

1.12 Thandla is a Block situated in Jhabua district in Madhya Pradesh. Placed in rural part of Madhya Pradesh, it is one among the 6 blocks of Jhabua district. According to the administration register, the block number of Thandla is 293. The block has 112 villages and there are total 31451 houses in this Block.

1.13 Population of Thandla Block

1.14 As per Census 2011, Thandla's population is 166606. Out of this, 83515 are males while the females count 83091 here. This block has 35601 children in the age bracket of 0-6 years. Out of this 18423 are boys and 17178 are girls.

1.15 Literacy rate of Thandla

Literacy rate in Thandla block is 29%. 48701 out of total 166606 population is educated here. Among males the literacy rate is 35% as 29953 males out of total 83515 are educated whereas female literacy rate is 22% as 18748 out of total 83091 females are literate in this Block.
The dark part is that illiteracy ratio of Thandla block is shockingly high -- 70%. Here 117905 out of total 166606 people are illiterate. Male illiteracy rate here is 64% as 53562 males out of total 83515 are illiterate. In females the illiteracy rate is 77% and 64343 out of total 83091 females are illiterate in this block.

Brief Profile of Milli-Watershed (5E2A5s):

Table 107 -Jhabua List of Villages

Divisions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Panchayat	Name of the Committee (JFMC's)
Jhabua	Thandala	5E2A5s	Chota Naharpura, Madalda, Juni Bordi	124	Chota Naharpura	Kodiyapada
			Namari		Village not found in Census 2011	

Table 108 – Jhabua The key demographic information is as below

	Chota Na-harpura	Madalda	Juni Bordi
Total Population	555	4459	630
Male	267	2238	321
Female	288	2221	309
Total Households	104	888	122
Average members per HHs	5.3	5.0	5.2
Total Child (0-6years) population	129	1008	91
Male (0-6 years) population	73	504	53
Female (0-6 years) population	56	504	38

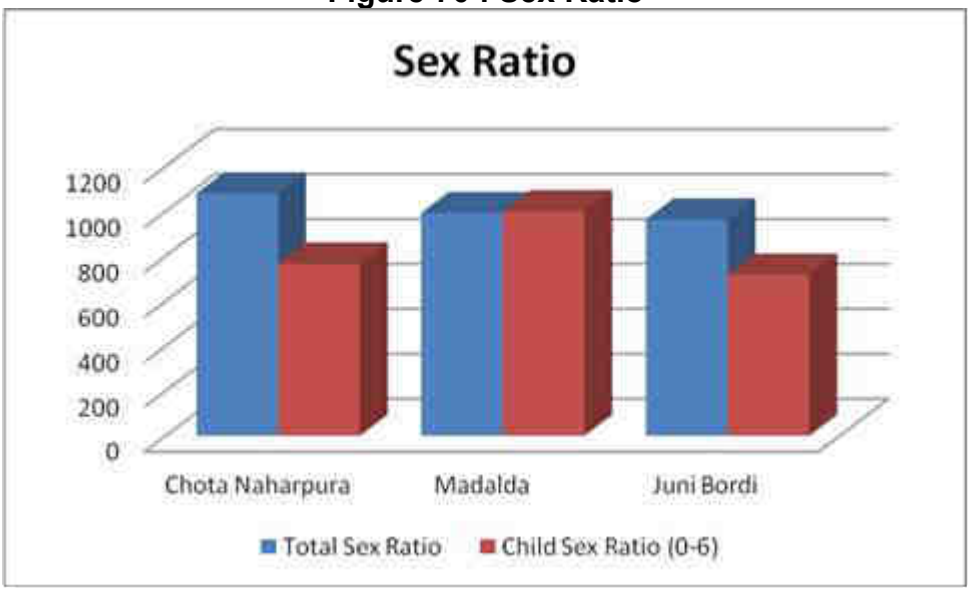
Sex Ratio

The overall sex ratio of these villages are 1011 , which implies that there are 1011 females per 1000 males. The child (0-6 years) sex ratio is lower then overall sex ratio and it is 828 of these villages.

Table 109 – Jhabua *Villagewise sex ratio details of selected areas are as follows*

	Chota Naharpura	Madalda	Juni Bordi
Total Sex Ratio	1079	992	963
Child Sex Ratio (0-6)	767	1000	717

Figure 70 : Sex Ratio



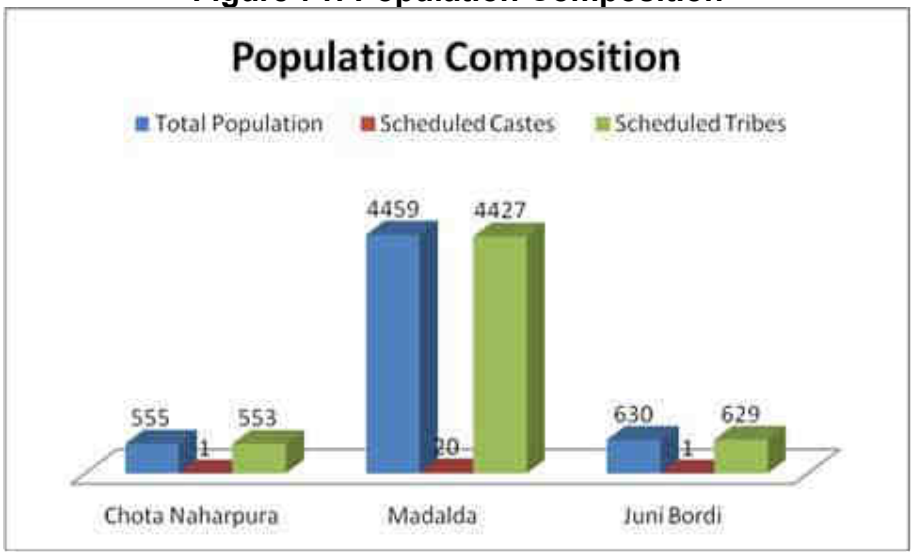
Population composition

The totals STs Population in these villages are 5609, which is 99.38% of the total population. Juni Bordi and Chota Naharpura villages has highest percentage of tribal population of 99.8% and 99.6% respectively.

Table 110 – Jhabua *Villagewise population details of selected areas are as follows*

	Chota Naharpura	Madalda	Juni Bordi
Total Population	555	4459	630
Scheduled Castes	1	20	1
Scheduled Tribes	553	4427	629

Figure 71: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 30.54%, in which male literacy is 36.21% and female literacy is 25.00% in these villages.

Table 111 – Jhabua *Village wise Details of literacy are as follows:*

	Chota Naharpura	Madalda	Juni Bordi
Total Literacy	27.00	25.85	38.78
Male	29.38	32.99	46.27
Female	25.00	18.64	31.37

Figure 72: Literacy Rate

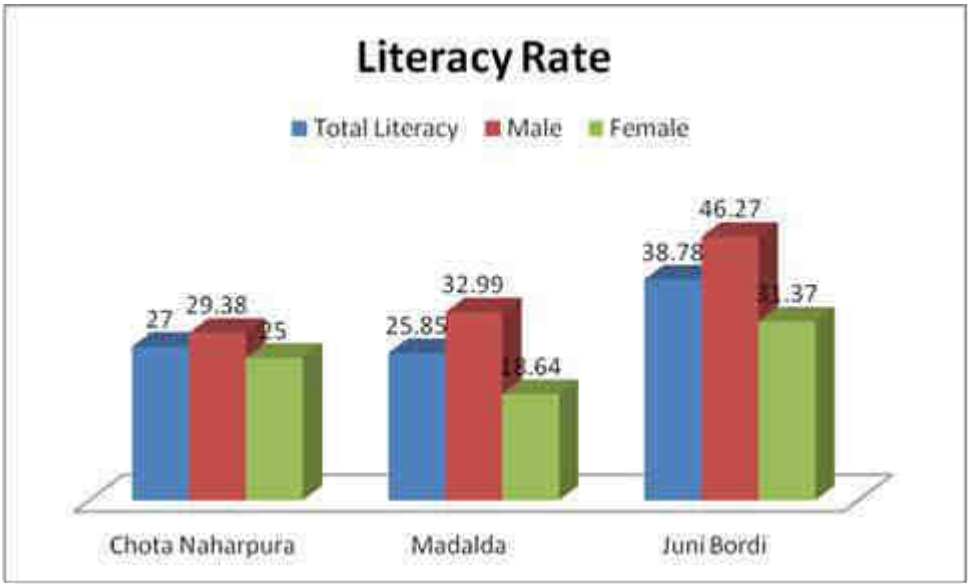


Table 112 – Jhabua Important Statistics relating to works participation

	Chota Na-harpura	Madalda	Juni Bordi
Total Worker			
Total	278	2558	311
Male	134	1253	153
Female	144	1305	158
(i) Main Worker			
Total	256	1112	102
Male	126	659	76
Female	130	453	26
(ii) Marginal Worker			
Total	22	1446	209
Male	8	594	77
Female	4	852	132
Non-Worker			
Total	277	1901	319
Male	133	985	168
Female	144	916	151

Socio Economic and Caste Census (SECC) 2011,
Village wise information of households
Gram Panchayat: Chhota Naharpura

S.No.	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\Mother's Name	Deprivation count	Auto Inclusion\Deprivation code	Total Members
	Village:Chhota Naharpura							
1	.GOVIND DAMOR\गोविन्द डामोर	M	21	ST	भोदिरया डामोर\मांगूडी डामोर	3	D1,--,--,--,D5,D6,--	3
2	ANKIT MUNIYA\अंकित मुणिया	M	4	ST	अमरिसंह मुणिया\सबुडी मुणिया	2	--,--,--,--,D5,D6,--	4
3	ARVIND DAMOR\अरिवन्द डामोर	M	6	ST	कानजी डामोर\भूरी डामोर	4	D1,D2,--,--,D5,D6,--	1
4	ASHIS MUNIYA\आशिष मुणिया	M	7	ST	हरचन्द मुणिया\जयन्ति मुणिया	4	D1,D2,--,--,D5,D6,--	1
5	BABARI DAMOR\बाबरी डामोर	F	71	ST	--\--	5	D1,D2,D3,--,D5,D6,--	1
6	BABU MUNIYA\बाबू मुणिया	M	48	ST	मोती मुणिया\वस्तु मुणिया	3	D1,--,--,--,D5,D6,--	4
7	BADA DAMOR\बदा डामोर	M	61	ST	देवजी डामोर\रंगा डामोर	2	--,--,--,--,D5,D6,--	4
8	BADA GARWAL\बदा गरवाल	M	92	ST	लुजा गरवाल\विजली गरवाल	2	--,--,--,--,D5,D6,--	5
9	basu\बसु	M	25	ST	भादा\तावरे	3	D1,--,--,--,D5,D6,--	4
10	BASU GARWAL\बसु गरवाल	M	61	ST	बदा गरवाल\गोवरी गरवाल	2	--,--,--,--,D5,D6,--	5
11	BHADHUR AMALIYAR\बहादुर अमिलयार	M	31	ST	पुंजा अमिलयार\	2	--,--,--,--,D5,D6,--	9
12	BHADHUR DAMOR\बहादुर डामोर	M	39	ST	भोदिरया डामोर\	3	D1,--,--,--,D5,D6,--	6
13	BHALUDA DAMOR\भल्लु डामोर	M	41	ST	भुण्डा डामोर\थावरी डामोर	3	D1,--,--,--,D5,D6,--	7
14	BHGGU\	M	35	ST	\	3	D1,--,--,--,D5,D6,--	5
15	BHUNDA DAMOR\भूण्डा डामोर	M	66	ST	देवजी डामोर\हकरी डामोर	3	--,D2,--,--,D5,D6,--	2
16	BHURI MUNIYA\भुरी मुणिया	F	44	ST	भीलजी मोरी\अबु मोरी	4	D1,--,D3,--,D5,D6,--	3
17	BHURI MUNIYA\भूरी मुणिया	F	24	ST	रूपा अड\कान्तुडी अड	3	--,--,D3,--,D5,D6,--	4
18	BHURJI DAMOR\भूरजी डामोर	M	81	ST	वेस्ता डामोर\साजन डामोर	3	--,D2,--,--,D5,D6,--	2
19	CHAGAN MUNIYA\छगन मुणिया	M	55	ST	हवजी मुणिया\हकरी मुणिया	3	D1,--,--,--,D5,D6,--	4
20	DALSINGH DAMOR\दलिसंह डामोर	M	41	ST	कुविरया डामोर\बटु डामोर	2	--,--,--,--,D5,D6,--	7
21	DALU MUNIYA\दल्लु मु णिया	F	59	ST	पूनो डामोर\झीतां डामोर	4	D1,--,D3,--,D5,D6,--	2
22	DHANJI DAMOR\धनजी डामोर	M	31	ST	सुरतान डामोर\काली डामोर	1	--,--,--,--,D5,--,--	4
23	DHIRAJ JI MUNIYA\धीरजी मुणिया	M	36	ST	लालजी मुणिया\मडी मुणिया	3	D1,--,--,--,D5,D6,--	4
24	DITA MUNIYA\दीता मु णिया	M	51	ST	हीमजी मु णिया\रमतु मुणिया	3	D1,--,--,--,D5,D6,--	2
25	DIWAN GARWAL\दीवान गरवाल	M	4	ST	पप्पु गरवाल\कला गरवाल	4	D1,D2,--,--,D5,D6,--	1
26	DLIYA\	F	129	ST	\	5	D1,D2,D3,--,D5,D6,--	3

2.10.9 Reason for selection of L2 landscapes:-

- The area is ecologically important area and falls in the catchment area of Mahi and Narmada river.
- Predominantly tribal population.
- Most of the population in the landscape lives below poverty line.
- The livelihood opportunities are less. There are no industries working in the area. The level of dependence on forest is high.
- Income from agriculture is meager. The percentage of irrigated crop area is very small.
- Forest land is only 21.33 % of total geographical area which is far below the standards of 33 %.
- Stocked and under stocked forest is very little in the division. It clearly indicates the problem of degradation of forest cover.
- Tremendous grazing pressure on forest.
- Area is under severe soil erosion and mostly denuded hills are seen.

2.10.10 Possible solutions to enhance forest cover,improve ecosystem services and address the drivers of degradations:-

- Effective management to combat biotic pressure - It will be achieved through efficient fire management, regularizing the grazing, control on illicit felling, enhancing fodder, fuel wood, bamboo, small and NTFP production through plantation of selective species.

- Enhancement of forest cover in forest and non forest area - It will be achieved through plantation in forest area and through promotion of agroforestry in non forest area.

- Since area is facing severe soil erosion large scale soil and water conservation works will be taken up on the basis of watershed treatment methodology i.e. the treatment from ridge to valley of the watershed.

- Pasture development.

- Reduction in the degree of dependence on forest- Reduction in the degree of dependence on forest will be achieved through promotion of alternate energy resources such as biogas, solar devices, LPG and fuel efficient stoves and introduction of various community livelihood opportunities and plantation of the species which are suitable to increase the fuel, fodder, small timber and NTFP production.

2.10.11 Proposed interventions:-

- Strengthening of Forest department and JFMCs.
- Appointing a spear head Team of forest personnel and JFMC members.
- Protection and maintenance activities.

2.10.12 Cross cutting interventions proposed:-

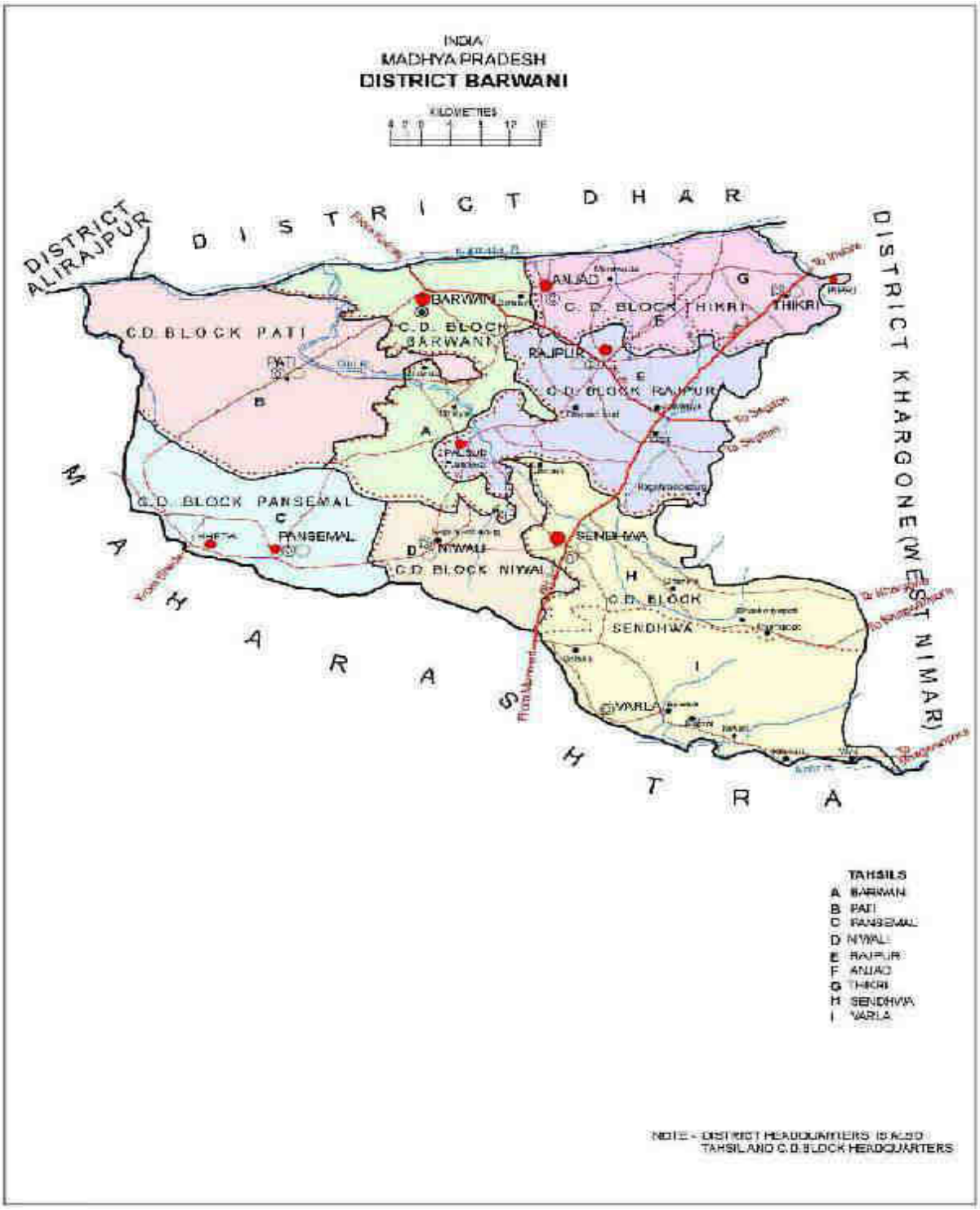
- Improving fuel-wood efficiency and promoting alternative energy sources.

2.10.13 Livelihood improvement activities proposed:-

- Various livelihood activities such as Dairy Farming, NTFP based livelihood, sewing machine, Poultry farming, Dona pattal manufacturing and Fisheries will be taken in all villages.

Chapter 8: 8.2- Landscape details for L 1 Landscape (vi) Nimar-Jhabua Hills: Barwani & Sendhwa Forest Divisions

In L 1 Landscape (vi) Nimar-Jhabua Hills, Barwani district is located in the western part of Madhya Pradesh occupying an area of 5427 sq. km. On the south and west side district makes boundary with Dhule district of Maharashtra.



The district extends between the parallels of latitude 21^0 22' to 22^0 22' north and meridian of longitude 74^0 24' and 75^0 30' east. Physically the district comprises of three distinct natural divisions namely, Narmada valley in the northern part, uplands along southern and western margin (Satpura range and highly dissected Deccan plateau) and narrow belt of scarp ridges (Vindhyan Hills Range). The area

of the district plays undulating topography which includes highly dissected plateau, linear ridges, residual hills and low lying plains. The highest elevation in the district is 1033 meter above mean sea level south of Ramgarh fort in Sendhwa block. About 88% of the district lies in Narmada Basin and 12% in Tapti Basin. The district area is drained mainly by Narmada river and its tributaries like Goi and Deb. No major tributary of Tapti flows in the district. All of these tributaries flow from south to north and join Narmada. Similarly, tributaries like Tori, Churi, Dudhikheda etc. flow from north to south. Major rivers are perennial to semi-perennial. The climate of the district on the whole is tropical and dry except during monsoon. The annual rainfall is 738.64 mm. May is the hottest month of the year when general temperature goes up to 42^0 c, occasionally it goes up to 47^0 c. The soil of Badwani district is classified as medium black cotton soils containing 50% silt and clay together. Mostly the soils are lighter, open and drained. Alluvial type of soil is found on both side of Narmada and in some patches on the banks of tributaries like Goi,Deb and Bour.

In Barwani district there are two territorial forest divisions namely Barwani and Sendhwa forest division. Both of these divisions have been selected for GIM purpose.

2.11.1 Forest:-

As per Champion and Seth classification the forest are mainly Southern Tropical Very dry deciduous teak forest ,Dry teak forest, Southern dry mixed deciduous Forest, Boswellia forest, Hardwickia forest and Dry Deciduous scrub forest .A large chunk of the forest area in these division is either blank area or under encroachment .The problem of encroachment on the forest land is alarming.In some area of Pati and Bokrata range of Barwani division there are some patches of young Teak and Mixed forest where other prominent tree species are Dhawda, Tendu, Lendia ,Khair, Palash,Anjan,Bel,Baheda,Kullu,Haldu,Salai,etc.In this landscape Sirali,Marorfalli,Bekal,Dudhi ,Ber,Lantana are the prominent shrub species.Similarly herb species comprises of Chirota,Vantulsi,Gokhru,etc.There are no bamboo forest in the landscape. The regeneration of prominent species in the forest is not satisfactory.

The area wise distribution of the forest is as follows :-

Table 113 – Barwani & Sendhwa Important Statistics relating to works participation

Sr.No.	Division	Reserve Forest	Protected Forest	Other Forest	Total (ha.)
1	Barwani	87488.58	1161.43	1.08	88651.09
2	Sendhwa	103951.69	19.50	12.86	103984.05
	Total	191440.27	1180.93	13.94	192635.14

2.11.2 Wildlife: -

Most of the forest area is either blank forest or under encroachment and does not provide a suitable habitat for the sustenance of the wild life. Due to absence of suitable habitats the position of wild life in the area is not worth mentioning.With the construction of Sardar Sarovar Dam on Narmada some patches have emerged as suitable habitat to support aquatic fauna.The main terrestrial fauna of the landscape is jackal,fox,lengur,hyena and rare presence of leopard.

2.11.3 Dependence on Forest: -

There are 696 villages in Barwani district out of which 283 villages in Barwani forest division and 257 villages in Sendhwa division are located within 5 km distance from the forest. Thus most of the villages in these two forest divisions are situated near forest which shows the biotic pressure on the forests of these divisions. As per working plan estimates the annual requirment of the forest produce in these two divisions are as follows:-

Table 114 – Barwani & Sendhwa requirement of forest produce

Division	Fuel wood	Timber	Bamboo
Barwani	180895cmt	17740 cmt	646098 no.
Sendhwa	263658 qt.	7502cmt	403474 no.

Besides, there is huge pressure of cattle's for grazing on the forest land.

2.11.4 Joint Forest Management :-

There are 283 villages in Barwani division and 257 villages in Sendhwa division which are located in a periphery of 5 km. from forest. Thus out of 696 villages in the district 540 villages are located near forest area. The activities of these villages have direct impact on forest. So to ensure their cooperation in forest protection and management, following JFMCs have been constituted in these divisions :-

Table 115 – Barwani & Sendhwa forest committee details

Division	Forest protection committee	Village forest committee	Eco development committee	Total
Barwani	0	132	0	132
Sendhwa	0	87	0	87
Total	**0**	**219**	**0**	**219**

Since there is not much dense forest in the district, there is no forest protection committee. About 839.09 sq. km. forest area in Barwani and 399.05 sq. km. area in Sendhwa division has been assigned to these JFMCs.

2.11.5 L-2 Landscapes selected in Barwani District:-

Following 02 milli watersheds of Barwani division and 2 milli watersheds of Sendhwa division have been selected as L2 landscapes:-

Barwani Division: -

Table 116 – Barwani L 2 milli-watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D3A4n	0	343.882	2626.965	2970.847	1675.05	4645.897
2.	5D3A4a	48.986	852.209	2683.704	3584.899	3721.338	7306.237
Total		**48.986**	**1196.091**	**5310.669**	**6555.746**	**5396.388**	**11952.134**

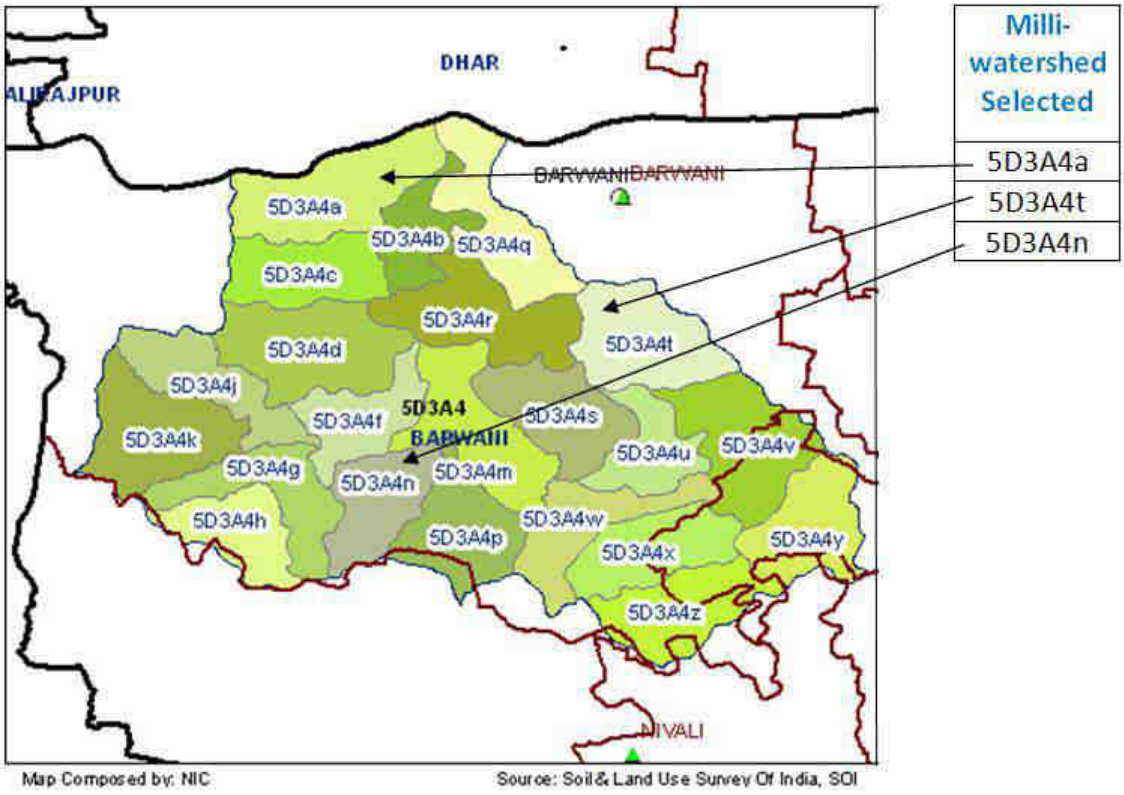


Figure: 73- Details of selected L 2 Landscape: Milli-watershed detail

Sendhwa Division: -

Table 117 – Sendhwa L 2 milli-watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D3B4g	197.331	0	4348.909	4546.24	38.173	4584.413
2.	5C2A6k	0.004	1613.477	1385.405	2999.133	4125.226	7124.359
Total		**197.335**	**1613.477**	**5734.314**	**7545.373**	**4163.399**	**11708.77**

Thus total 23660.904 ha. area of these landscapes have been selected for treatment under GIM. These 04 milli-watersheds are the operational unit for implementation of GIM. There is very little dense forest in the landscapes selected. Even the open forest area is also very little, most of the area is blank and non forest area. All the 04 milli watersheds possess forest as well as non forest area. These 04 milli watersheds have 32 micro watersheds out of which 04 micro watersheds selected have forest as well as non forest area.

Figure: 74- Details of selected L 2 Landscape: Milli-watershed detail

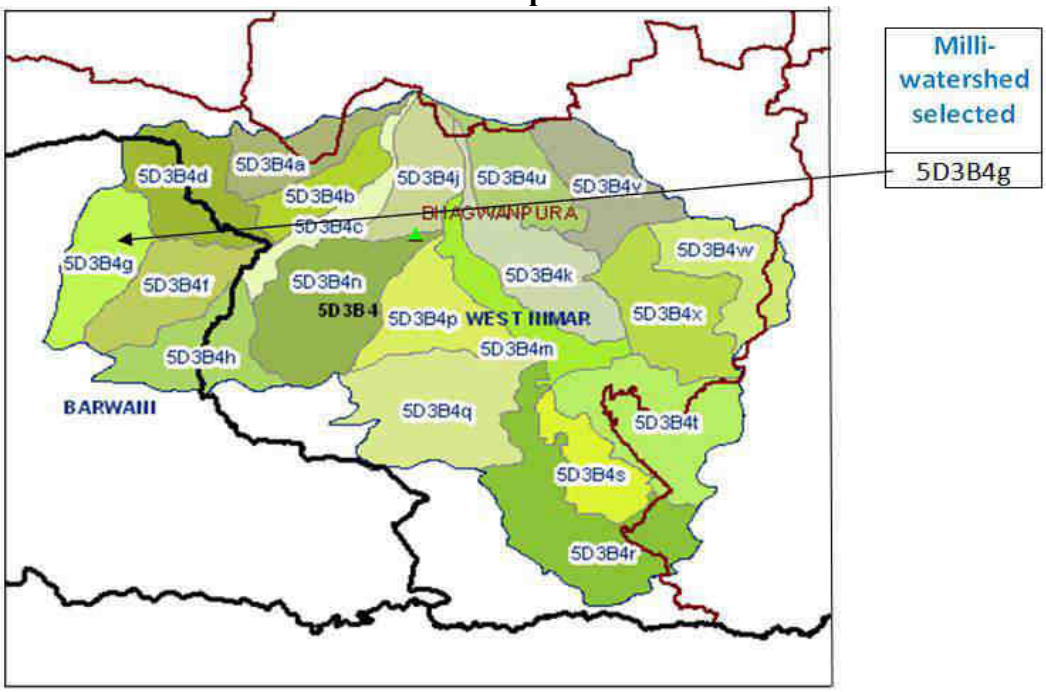
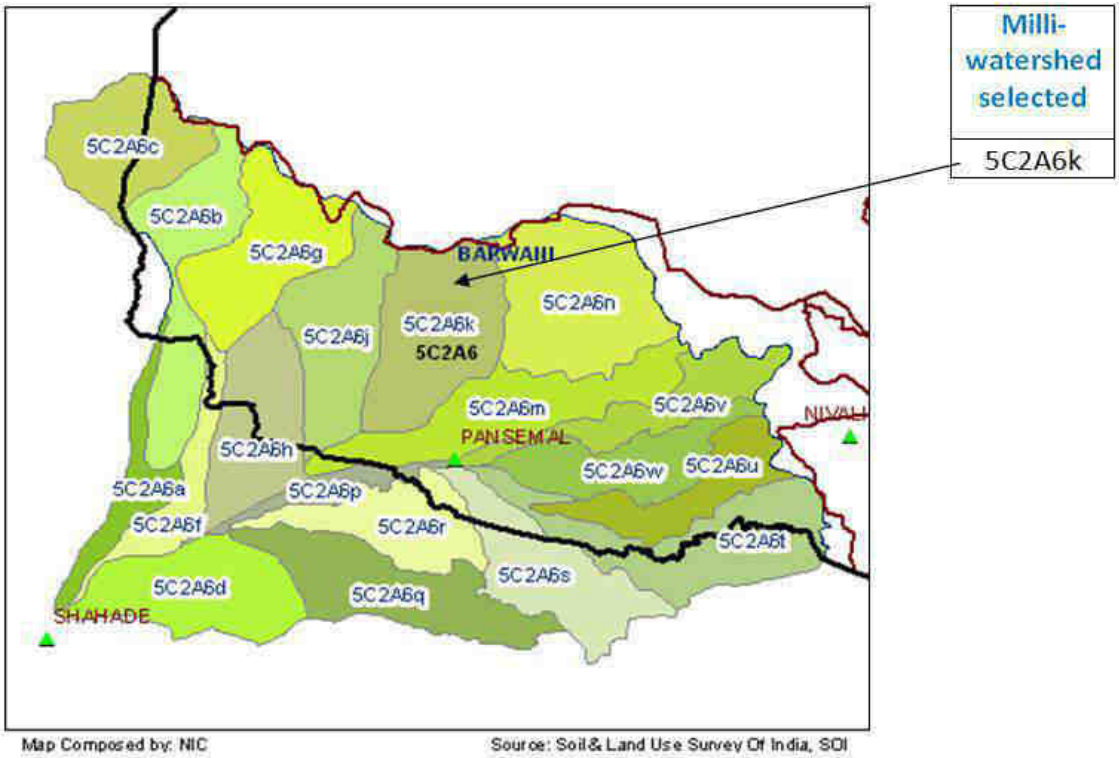


Figure: 75- Details of selected L 2 Landscape: Milli-watershed detail



2.11.6 L3 landscapes selected in Barwani District.

The 02 milli-watersheds selected as L2 landscapes have further been divided into total 02 micro-watersheds which are the working unit of the GIM. The milli-watershed wise description of these micro-watersheds is as follows: -

Barwani Division: -

2.11.6.1 Milli-watershed no 5D3A4n:-

The micro-watersheds selected in this milli-watershed are as follows:-

Table 118 – Barwani L 2 milli-watershed 5D3A4n details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D3A4n1	0	0	0	0	417.611	417.611
2.	5D3A4n2	0	0	276.004	276.004	273.688	549.692
3.	5D3A4n3	0	0	864.443	864.443	53.007	917.45
4.	5D3A4n4	0	0	154.182	154.182	755.633	909.815
5.	5D3A4n5	0	147.314	425.367	572.681	156.944	729.625
6.	5D3A4n6	0	0	561.656	561.656	9.847	571.503
7.	5D3A4n7	0	196.568	345.313	541.881	8.32	550.201
Total		**0**	**343.882**	**2626.965**	**2970.847**	**1675.05**	**4645.897**

2.11.6.2 Milli-watershed no5D3A4a:-

The micro-watersheds selected in this milli-watershed are as follows:-

Table 119 – Barwani L 2 milli-watershed 5D3A4a details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D3A4a1	0	213.197	15.921	229.118	1108.949	1338.067
2.	5D3A4a2	0	157.681	295.521	453.202	413.293	866.495
3.	5D3A4a3	0	7.634	895.586	903.22	485.085	1388.305
4.	5D3A4a4	48.986	33.721	160.951	243.658	352.992	596.65
5.	5D3A4a5	0	72.073	848.714	920.787	5.117	925.904
6.	5D3A4a6	0	135.246	255.514	390.76	864.465	1255.225
7.	5D3A4a7	0	232.657	211.497	444.154	491.437	935.591
Total		**48.986**	**852.209**	**2683.704**	**3584.899**	**3721.338**	**7306.237**

Sendhwa Division: -

2.11.6.3 Milli-watershed no. 5D3B4g: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 120 – Sendhwa L 2 milli-watershed 5D3B4g details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5D3B4g1	21.43	0	1294.453	1315.883	0	1315.883
2.	5D3B4g2	0	0	1254.313	1254.313	0	1254.313
3.	5D3B4g3	169.903	0	723.691	893.594	38.173	931.767
4.	5D3B4g4	5.998	0	1076.452	1082.45	0	1082.45
Total		**197.331**	**0**	**4348.909**	**4546.24**	**38.173**	**4584.413**

2.11.6.4 Milli-watershed no. 5C2A6k: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 121 – Sendhwa L 2 milli-watershed 5C2A6k details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	5C2A6k1	0.004	153.15	382.181	535.582	602.383	1137.965
2.	5C2A6k2	0	0	0	0	862.287	862.287
3.	5C2A6k3	0	347.801	227.053	574.854	334.428	908.282
4.	5C2A6k4	0	32.152	80.872	113.024	728.273	841.297
5.	5C2A6k5	0	358.936	59.143	418.079	746.229	1164.308
6.	5C2A6k6	0	177.792	0	177.792	772.33	950.122
7.	5C2A6k7	0	543.646	636.156	1179.802	79.296	1259.098
Total		**0.004**	**1613.477**	**1385.405**	**2999.133**	**4125.226**	**7124.359**

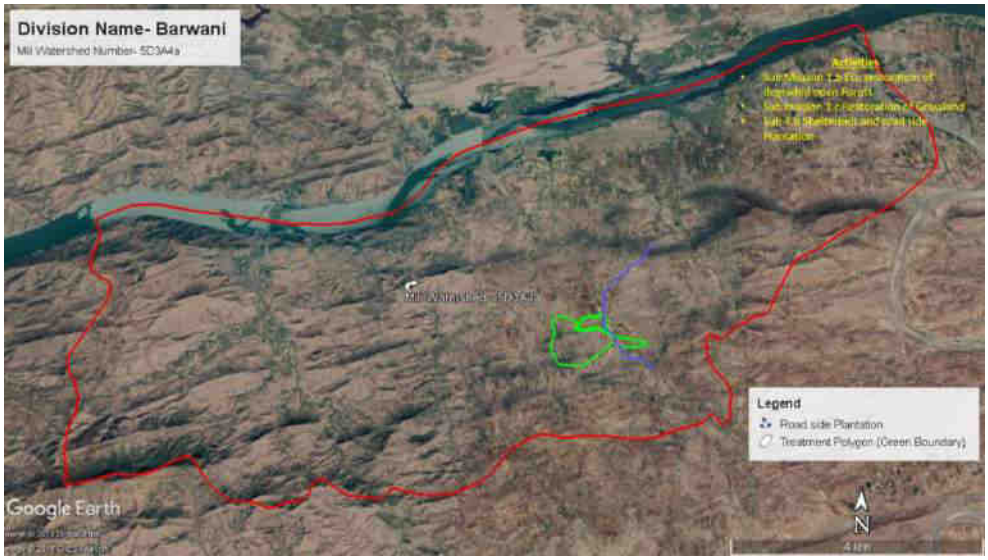


Figure:76- KML File of the L 3 Landscape under treatment

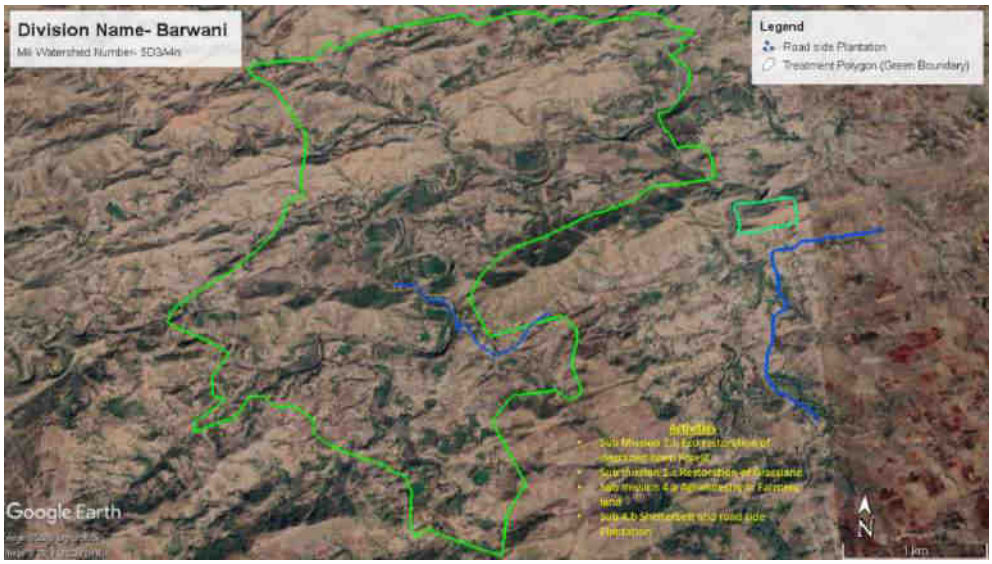


Figure:77- KML File of the L 3 Landscape under treatment

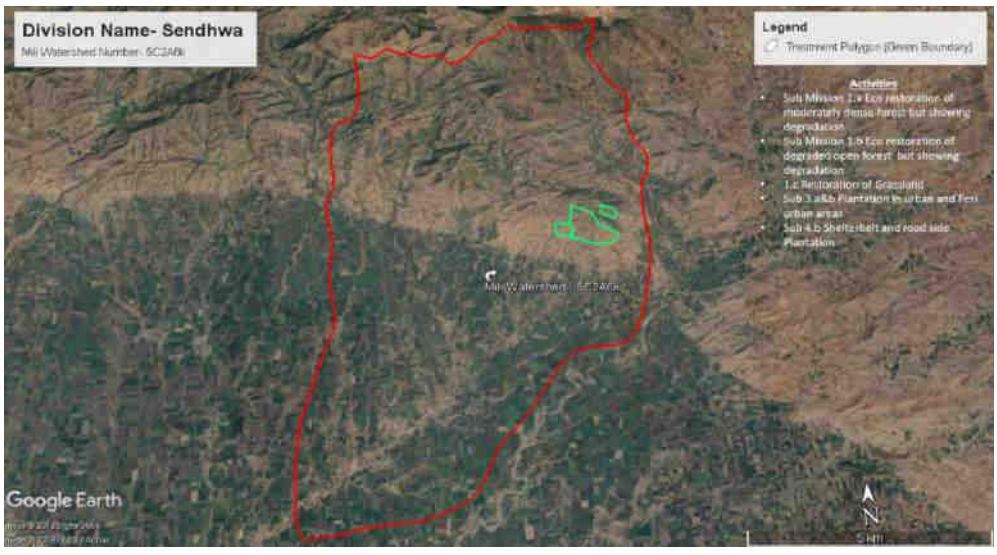


Figure:78- KML File of the L 3 Landscape under treatment

2.11.7 Demography: -
As per 2011 census data of the district are as follows: -

Total area of the district		5427 Sq Km
Literacy rate		49.1
No. of villages		716
No. of households		243277
Population	Rural	1181812
	Urban	204069
	Total	1385881
Population	Male	699340
	Female	686541
	Total	1385881
Scheduled caste population		87991
Scheduled tribe population		962145

Pati:
Pati is a Block located in Barwani district in Madhya Pradesh. Located in rural part of Madhya Pradesh, it is one among the 7 blocks of Barwani district. The block has 110 villages and there are total 26792 houses in this Block.

As per Census 2011, Pati's population is 162432. Out of this, 81796 are males whereas the females count 80636 here. This block has 38936 kids in the age bracket of 0-6 years. Out of this 19745 are boys and 19191 are girls.

Literacy rate in Pati block is 19%. 32471 out of total 162432 population is educated here. Among males the literacy ratio is 21% as 17717 males out of total 81796 are literate while female literacy rate is 18% as 14754 out of total 80636 females are literate in this Block.
The Negative portion is that illiteracy rate of Pati block is shockingly high -- 80%. Here 129961 out of total 162432 individuals are illiterate. Male illiteracy rate here is 78% as 64079 males out of total 81796 are uneducated. Among the females the illiteracy ratio is 81% and 65882 out of total 80636 females are illiterate in this block.

The number of working people of Pati block is 79464 however 82968 are non-working. And out of 79464 working individual 33098 persons are totally reliant on farming.

.**Brief Profile of Milli-Watershed (5D3A4a):**

Table 122 – Barwani List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compart-ment No.	Gram Pancha-yat	Name of the Com-mittee
Badwani	Pati	5D3A4a	Nalti		Borkhedi	Nalti

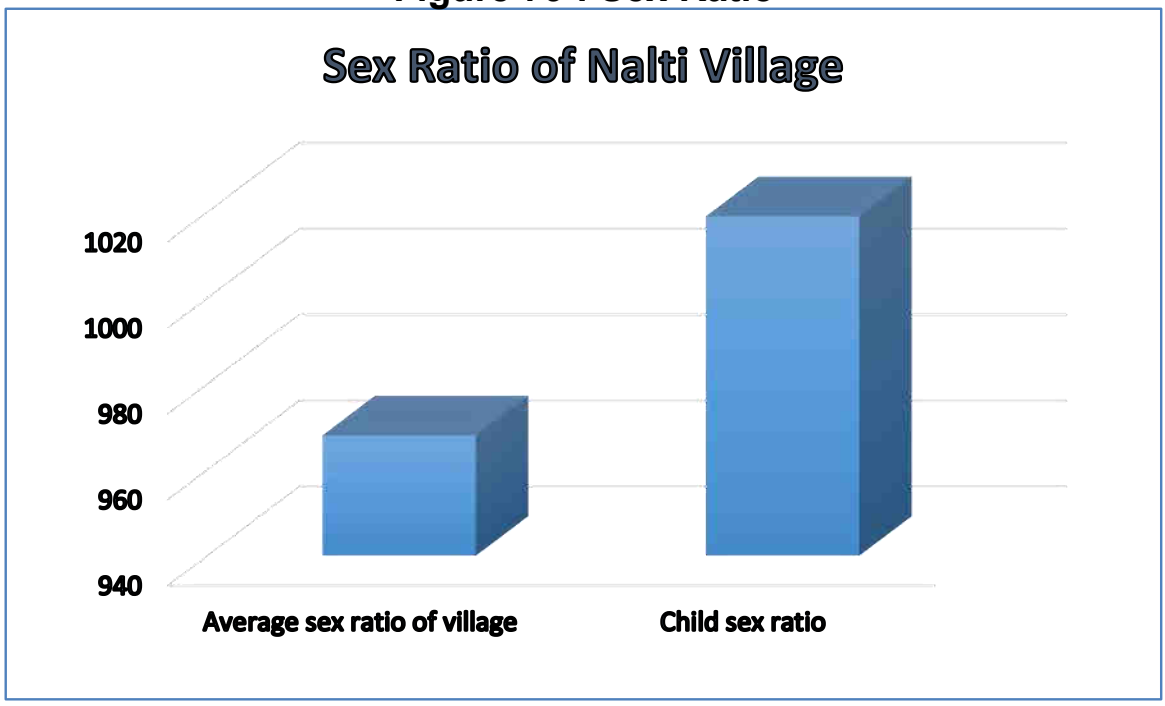
Table 123 – Barwani the key demographic information is as below

	Nalti
Total Population	1789
Male	909
Female	880
Total Households	304
Average members per HHs	5.9
Child Population (0-6)	
Total Child (0-6years) population	418
Male (0-6 years) population	207
Female (0-6 years) population	211

Sex Ratio

In Nalti village population of children with age 0-6 is 418 which makes up 23.37 % of total population of village. Average Sex Ratio of Nalti village is 968 which is higher than Madhya Pradesh state average of 931. Child Sex Ratio for the Nalti as per census is 1019, higher than Madhya Pradesh average of 918.

Figure 79 : Sex Ratio



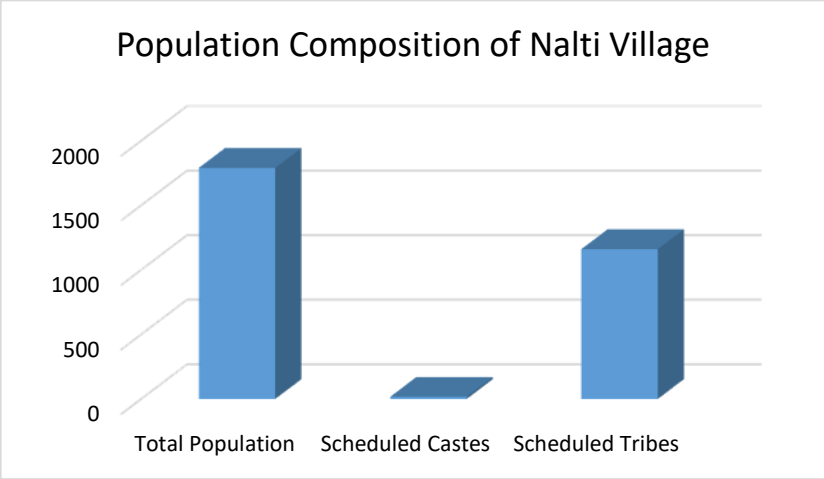
Population composition

The totals STs Population in this village is 1160, which is 64.8% of the total population.

Table 124 – Barwani *Villagewise population details are as follows*

	Nalti
Total Population	1789
Scheduled Castes	16
Scheduled Tribes	1160

Figure 80: Population Composition



Literacy Rate

Nalti village has lower literacy rate compared to Madhya Pradesh. In 2011, literacy rate of Nalti village was 14.00 % compared to 69.32 % of Madhya Pradesh. In Nalti Male literacy stands at 17.81 % while female literacy rate was 10.01 %.

Figure 81: Literacy Rate

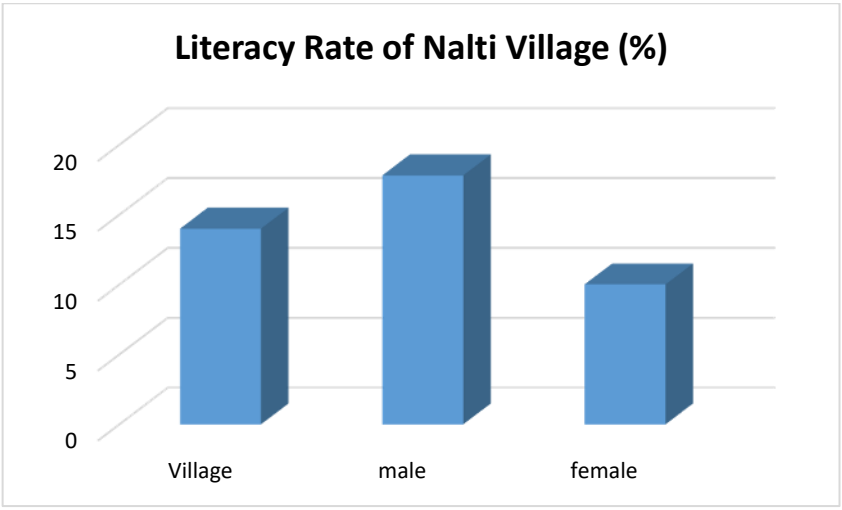


Table 125 – Badwani Important Statistics relating to works participation

	Nalti
Total Workers	
Total	922
Males	476
Females	446
(i) Main Workers	
Total	547
Males	404
Females	143
(ii) Marginal Workers	
Total	375
Males	72
Females	303
Non-Workers	
Total	867
Males	433
Females	434

Brief Profile of Milli-Watershed (5D3A4n):

Table 126 – Barwani List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compart-ment No.	Gram Pancha-yat	Name of the Com-mittee
Badwani	Pati	5D3A4n	Gara		Gara	Gara
			Golpati-wadi		Golpati-wadi	Golpati-wadi

Table 127 - Badwani The key demographic information is as below

	Gara	Golpatiwadi
Total Population	929	2436
Male	470	1236
Female	459	1200
Total Households	138	373
Average members per HHs	6.7	6.5
Child Population (0-6)		
Total Child (0-6years) population	242	666
Male (0-6 years) population	119	347
Female (0-6 years) population	123	319

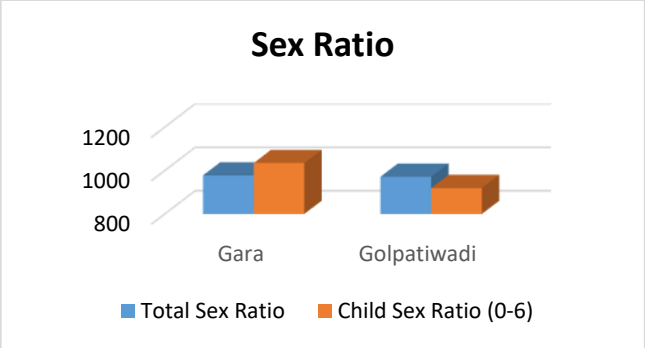
Sex Ratio

The overall sex ratio of these villages are 974 , which implies that there are 974 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 977 of these villages.

Table 128 – Badwani Sex ratio *villagewise details are as follows*

	Gara	Golpatiwadi
Total Sex Ratio	977	971
Child Sex Ratio (0-6)	1034	919

Figure 82 : Sex Ratio



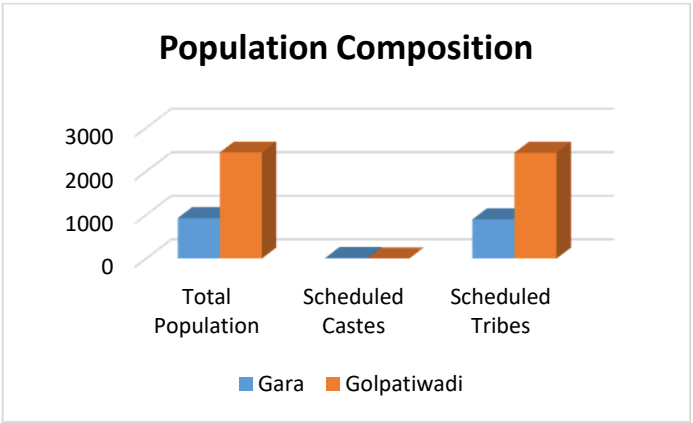
Population composition

The totals STs Population in these village are 3365, which is 98.9% of the total population. Golpatiwadi village has highest percentage of tribal population of 99.7%.

Table 129 – Badwani *villagewise population details of selected area are as follows*

	Gara	Golpatiwadi
Total Population	929	2436
Scheduled Castes	11	2
Scheduled Tribes	899	2430

Figure 83: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 17.8 %, in which male literacy is 19.8 % and female literacy is 15.8 % in these villages.

Table 130 – Barwani *Village wise Details of literacy are as follows:*

	Gara	Golpatiwadi
Total Literacy	25.18	10.51
Male	27.35	12.26
Female	22.92	8.74

Figure 84: Literacy Rate

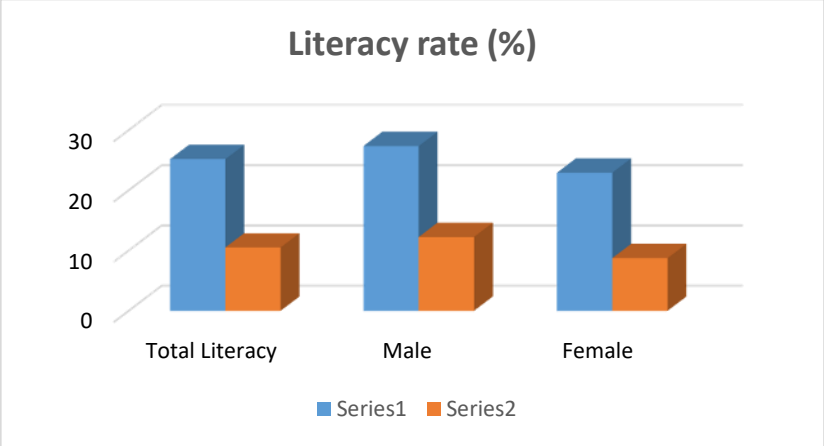


Table 131 -Barwani Important Statistics relating to works participation

	Gara	Golpatiwadi
Total Workers		
Total	434	1328
Males	220	655
Females	214	673
(i) Main Workers		
Total	416	1303
Males	212	643
Females	204	660
(ii) Marginal Workers		
Total	18	25
Males	8	12
Females	10	13
Non-Workers		
Total	495	1108
Males	250	581
Females	245	527

Socio Economic and Caste Census (SECC) 2011,
Village wise information of households
Gram Panchayat – Borkhedi

S. No	Name of the Head of the HH	Gen-der	Age	Social Cate-gory	Father's Name\Mother's Name	Depri-vation count	Auto Inclu-sion\Deprivation code	Total Mem bers
	Village:Borkhedi							
1	mister\मिस्टर	M	30	Other	भारसिंह\जुन्गी	AI	AI1,--,--,--,--	2
	Village:Nalti							
2	BHARU\भारु	M	64	SC	करचन\	AI	AI1,--,--,--,--	5
3	IDARIYA\ईडरिया	M	25	ST	तुलसीराम\ईछली	AI	AI1,--,--,--,--	3
	Village:Borkhedi							
4	AKALYA\अकल्या	M	46	ST	रजान\कारवटी	3	--,--,--,--,D5,D6,D7	8
5	AKLIYA\अकलिया	M	35	ST	रामसींग\चनी बाई	3	--,--,--,--,D5,D6,D7	5
6	AMIRAM\अमीराम	M	28	ST	काशीराम\राह बाई	3	--,--,--,--,D5,D6,D7	5
7	AMRIYA\अमरिया	M	38	ST	दूहरिया\झवड़ी	3	--,--,--,--,D5,D6,D7	6
8	ANAR SING\अनार सिंग	M	38	ST	दूर सिंग\कारली बाई	3	--,--,--,--,D5,D6,D7	6
9	ANDRA SINGH\अन्द्र सिंग	M	66	ST	राम सिंग\सुली बाई	3	--,--,--,--,D5,D6,D7	15
10	BADRINATH\बद्री नाथ	M	41	ST	दयाराम\हिरली बाई	2	--,--,--,--,D5,D6,--	9
11	baka\बका	M	33	ST	प्रकाश\मिशली	3	--,--,--,--,D5,D6,D7	8
12	BALI BAI\बाली बाई	F	62	ST	फिरान्जीया\जुकी	3	--,--,--,--,D5,D6,D7	4
13	BANSHIYA\बंशीया	M	35	ST	खजान\दूड़की	2	--,--,--,--,D5,--,D7	5
14	BARASIYA\	M	41	ST	\	4	D1,--,--,--,D5,D6,D7	14
15	BARASIYA\	M	41	ST	\	4	D1,--,--,--,D5,D6,D7	14
16	BARMA\	M	23	ST	\	4	D1,--,--,--,D5,D6,D7	3
17	BATHA\	M	31	ST	\	4	D1,--,--,--,D5,D6,D7	14
18	BATHA\	M	31	ST	\	4	D1,--,--,--,D5,D6,D7	14
19	BATHDIYA\बठडिया	M	56	Other	मना\चिकली	1	--,--,--,--,--,D6,--	5
20	BAYA BAI\बया बाइ	F	42	ST	फ़ेरंगा\ढुमना बाइ	3	--,--,--,--,D5,D6,D7	4
21	BHADIRAM\भदीराम	M	24	ST	दूवारसिंग\बयली बाई	3	--,--,--,--,D5,D6,D7	2
22	bhagira\बगिरा	M	35	Other	भारसिंह\जुर्नागी बाई	3	D1,--,--,--,--,D6,D7	2
23	BHAGIRAM\भागीराम	M	41	ST	शान्तीलाल\गुरछीया बाई	1	--,--,--,--,D5,--,--	8
24	BHAKIRAM\भाकीराम	M	31	ST	मेहता\झीयाली बाई	2	--,--,--,--,D5,D6,--	7
25	BHAKRIYA\भाकरीया	M	37	ST	पारिया\छिता	3	--,--,--,--,D5,D6,D7	6

2.11.8 Reason for selection of L2 landscapes:-

- The area of the landscape is under degradation due to denuded hills. Most of the sites are having open land and there is scope for forestry work.
- Forest land is devoid of sufficient forest cover which is leading to soil erosion. Due to high degree of slope combined with degraded nature of forest area, this area is prone to high degree of soil erosion.Introducing plants on barren land will be helpful to maintain the forest canopy.
- This area falls in the catchments area of Narmada and Mahi River.
- Forest area is facing severe problem of illegal encroachment.
- Scheduled area with dominant tribal population. About 69% of the population belongs to Scheduled Tribes.
- The livelihood opportunities are less and there are no industries working in the area. Level of dependency on forest is high.
- Agriculture is the major source of income but the percentage of irrigated crop area is very less.
- Due to human interference mode of succession upon this area is xerophytic succession. Human interference & uncontrolled grazing is one of the major threats for new recruits of the plants. Due to grazing new vegetation is unable to make a new forest canopy in the area.
- Most of population in the area is poor and they depend on the forest product and forestry labor work for livelihood.
-The forests in this area are projected to be impacted by climate change both in the short-term scenario (2030s) and long-term scenario (2080s).
- Preperatory activities for GIM were undertaken in Barwani Division.

2.11.9 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Effective management to combat biotic pressure.
- Enhancements of forest cover in forest and non forest area.
- Soil and water conservation.
- Reduction in the degree of dependence on forest.
- The forest area will be protected against fire, grazing will be regulated. The areas will be treated for fodder and grass development by seed sowing of grasses and fodder species and by plantation of fodder trees and shrubs plants.
- Grasslands and pasture land development work to be taken up on large scale.

2.11.10 Proposed interventions: -

- Strengthening of Forest department and JFMC.
- Appointing Team of Community foresters at JFMC level.
- Protection and maintenance activities.
- Creation of livelihood opportunities.

2.11.11 Cross cutting interventions proposed: -

- Improving fuel-wood efficiency and promoting alternative energy sources. Distribution of pressure cooker, promotion of solar devices, Bio-gas plants depending on the need will be facilitated in the selected area.

2.11.12 Livelihood improvement activities proposed: -

-Various livelihood activities such as Dairy Farming, NTFP based livelihoods, Kirana store, sewing machine, Poultry farming and Dona pattal manufacturing will be taken in all villages.

5.11.13 FY 2018-19 physical and financial progress as per budget allottment:-

Under different submissions of Green India Mission, following progress in FY 2018-19 is made in L 1 Landscape (vi):-

Submission/ Intervention	Category	Type	Cost Norm (Rs./ha)	Jhabua		Barwani		Sendhwa		Nimar Jhabua Hills	
				Target		Target		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600								
		a) Advance Work	15840	0	0.00	0	0.00	13	2.06	13.00	2.00
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**13**	**2.06**	**13.00**	**2.00**
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	16896	0	0.00	0	0.00	111	18.75	111.00	8.74
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**111**	**18.75**	**111.00**	**8.74**
		Type B- with limited root stock and open blanks	79200	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	3	0.79	0	0.00	0	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**3**	**0.79**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0.00	0.00

		a) Advance Work	52800	45	23.66	22	11.62	0	0.00	67.00	25.19
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**45**	**23.66**	**22**	**11.62**	**0**	**0.00**	**67.00**	**25.19**
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	36960	39	14.42	135	49.92	20	7.21	194.00	47.83
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**39**	**14.42**	**135**	**49.92**	**20**	**7.21**	**194.00**	**47.83**
Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	a) Rehabilitation of Shifting Cultivation Areas		79200	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	b) Restoring Scrublands		132000	0	0.00	0	0.00	0	0.00	0.00	0.00

		a) Advance Work	52800	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	c) Restoring/ planting Sea-buckthorn		264000	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	d) Restoration of Mangroves		184800	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
	e) Ravine reclamation		184800	0	0.00	0	0.00	0	0.00	0.00	0.00

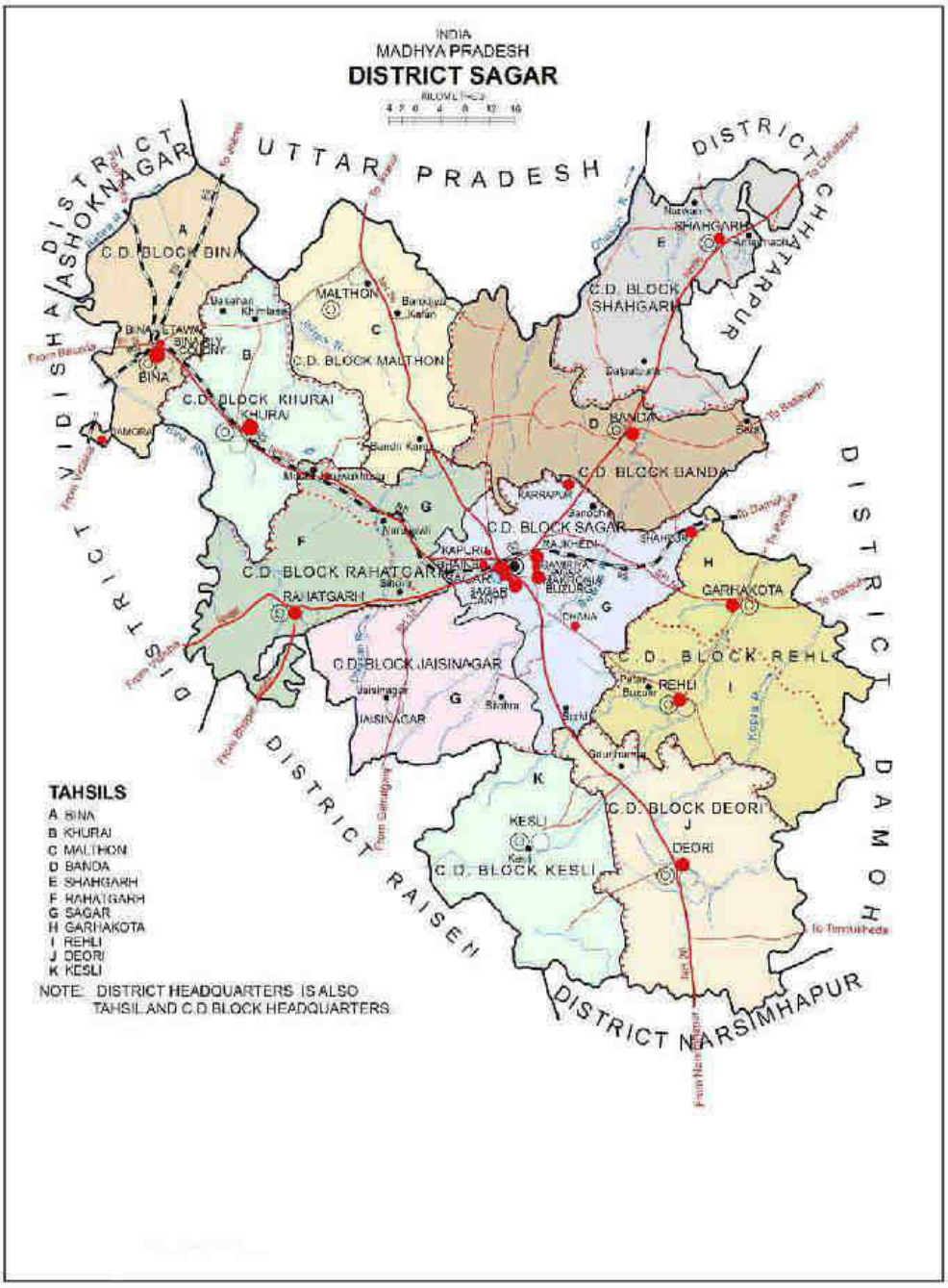
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
Sub Mission 2: Ecosystem restoration and increase in forest cover	**f) Restoration of adandoned mining area**		264000	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	**a) Plantation in Urban & Peri-urban areas**		264000	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	7	7.39	0	0.00	11	11.62	11.00	11.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**7**	**7.39**	**0**	**0.00**	**11**	**11.62**	**11.00**	**11.00**
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	**a) Farmer's land including current fallows**	Farmer's land	52800	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	21120	81	17.01	56	11.75	28	5.96	84.00	6.87
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**81**	**17.01**	**56**	**11.75**	**28**	**5.96**	**84.00**	**6.87**
	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	84480	0	0.00	0	0.00	11	8.87	11.00	8.14
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0.00	0.00

		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	16896	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**11**	**8.87**	**11.00**	**8.14**
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	20	14.42	12	8.73	7	4.81	19.00	4.96
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**20**	**14.42**	**12**	**8.73**	**7**	**4.81**	**19.00**	**4.96**
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	63360	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	12672	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**
Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	**74**	**2.44**	**102**	**3.37**	**68**	**2.23**	68.00	0.00
Total A				**193**	**80.13**	**224**	**85.38**	**200**	**61.50**	**510.00**	**114.73**
Activities Cost				0	0.00	0	0.00	0	0.00	0.00	0.00
Research (2% of A)				0	1.60	0	1.71	0	1.23	0.00	0.00
Publicity/Media/outreach activities (1% of A)				0	0.80	0	0.85	0	0.62	0.00	0.00
Monitoring and Evaluation (1% of A)				0	0.80	0	0.85	0	0.62	0.00	0.00

Livelihood improvement activities, (17% of A)	0	13.62	0	14.51	0	10.46	0.00	6.60
Strengthening local-level institutions (5 % A)	0	4.01	0	4.27	0	3.08	0.00	0.00
Strengthening FDs (5% A)	0	4.01	0	4.27	0	3.08	0.00	0.00
Mission Organisation, operation and maintenance, contingencies and overheads (4%	0	3.21	0	3.42	0	2.46	0.00	0.00
Total B	**0.00**	**28.05**	**0.00**	**29.88**	**0.00**	**21.53**	0.00	6.60
Grand Total (A+B)	**193**	**108.18**	**224**	**115.26**	**200**	**83.03**	510.00	121.33

Chapter 9: 9.1: Landscape details for L 1 Landscape (vii)- Bundelkhand: South Sagar Forest Division

In Landscape L 1 (vii) Budelkhand, Sagar district is located between $23^0$10' to $24^0$27' north latitude and $78^0$4' to $79^0$21' East longitude in the north central region of Madhya Pradesh.



The Tropic of cancer passes through the southern part of the district. Sagar district lies at the North Eastern edge of the Malwa plateau, which widens in the south and south west. It is seperated from Narmada valley by a steep escarpment towards the south. The average elevation of the district is about 452 to 533 meter above mean sea level.

The district makes boundary with Uttar Pradesh state on the north side. Sagar district lies in an extensive plain, broken in places by low hills of the Vindhyan sandstone. It is traversed by numerous streams like Sonar, Bewas, Dhasan, Bamner and Bina rivers, all flowing in north direction to ultimately meet Ganges. The southern most tip of the district is drained by the Narmada river. However, the major part of the area falls in the Ganga Basin. The drainage of the district is towards north and north east. In the southern and central part of the district the soil is black, formed by decaying trap, to the north and east it is reddish brown alluvium, clay loam occurs in the northern parts of Banda block.

The Sagar district holds a borderline subtropical humid climate with extremely hot summers, little bit cooler monsoon with rainfall and cool winters. The temperature during the month of January falls as low as 11.6^0 c which rises maximum to the level of 24.50^0 c. During summer the temperature goes up to 40.70^0 c. The normal annual rainfall is 1197 mm.

There are two territorial and one wildlife division in Sagar district .For the purpose of GIM South Sagar Division has been selected.

2.12.1 Forest:-

The forests of S. Sagar division are classified as Southern Tropical Dry Deciduous Teak Forest and Southern Tropical Dry Deciduous Mixed Forest. The forests in the division are classified as teak and mixed forest on the basis of species present in the area .The main species found in the area are Teak,Dhawda,Saja,Haldu,Tendu,Papra,Gunja,Baheda,Kusum,Achar,Aonla,Tinsa,Khair,Amaltas, Palash, etc., as tree species and Lantana ,Karonda Jherberi,Gokhuru as shrub species.The regeneration of the prominent species in the forest is not satisfactory and to improve the regeneration plantation, seed sowing ,regeneration of degraded area is required. The area wise details of the forest in the division is as follows :-

Reserved Forest	Protected Forest	Unclassified Forest	Total (sq.km.)
521.54	548.29	8.12	1077.95

2.12.2 Wildlife: -

In S.Sagar division the presence of big carnivores like Tiger and Panther is seldom reported.Other carnivores like Hyena,Jackal,Wild Cat, Wolf are also reported.The herbivore species found in the area are Spotted deer ,Bluebull,Chinkara,Sambhar,Barking deer,Slothbear etc.

2.12.3 Dependence on Forest :-

In South Sagar division about 867 villages are situated within 5 km. distance from forest.Besides 70% population of the district is living in rural area which is dependent on forest for their various needs of forest produce. As per working plan estimation following forest produce is required to meet the annual demand of the population: -

Table 132 -Sagar- requirement of forest produce details

Sr No.	Item	Requirement
1	Timber	42700 cmt.
2	Fuelwood	49 lac qt.
3	Bamboo	7.40 lac pieces

For most of their demand villagers depend on the forest which is exerting tremendous pressure on the forest.

2.12.4 Joint Forest Management :-

In South Sagar division 867 Villages lie in the vicinity of the forest .To ensure these villager's participation in the protection and management of the forest about 310 JFMCs have been constituted in these villages. An area of 1002.06 sq .km. has been assigned to these JFMCs for forest protection and management. Since much of the area of the division is under stocked and blank forest, 185 village forest committees have been constituted in such areas whereas near dense forest area 125 forest protection committees have been constituted.

2.12.5 L-2 Landscapes selected in Sagar District:-

Following 03 milli watersheds of S. Sagar division have been selected as L2 landscapes:-

Table 133 -Sagar L 2 landscape details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C1E5s	103.438	283.043	410.87	797.351	3879.501	4676.852
2.	2C2G6c	206.786	513.715	80.988	801.489	6017.39	6818.879
3.	2C1E7d	0	215.301	3.968	219.269	3400.947	3620.216
Total		**310.224**	**1012.059**	**495.826**	**1818.109**	**13297.838**	**15115.947**

Thus the milli watersheds selected as L2 landscapes for S.Sagar division have an area of 15,115.947 ha. These 03 milli-watersheds are the operational units for implementation of GIM. All the 03 milli watersheds possess forest as well as non forest area. These 03 milli watersheds have 79 micro watersheds WHICH have forest as well as non forest area. The forest area in the milli –watersheds is largely open forest which needs measures to increase its quality and stocking.

Figure: 85- Details of selected L 2 Landscape: Milli-watershed detail

Figure: 86- Details of selected L 2 Landscape: Milli-watershed detail

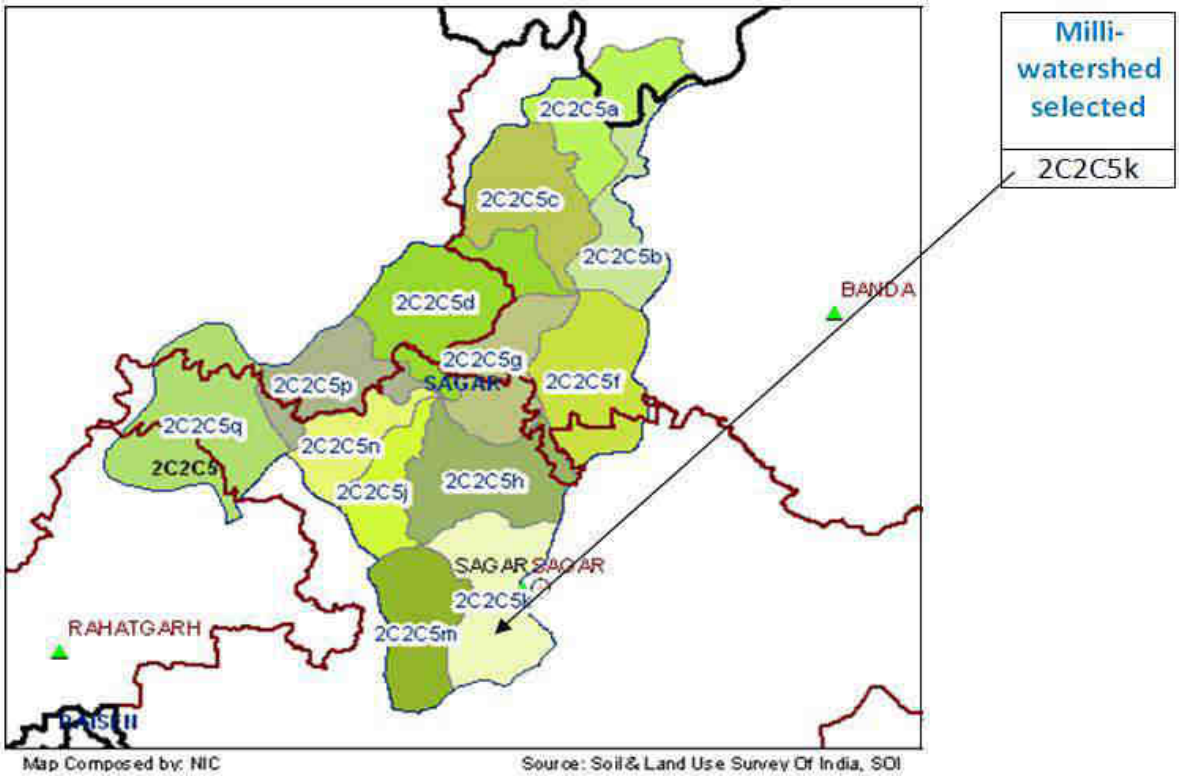


Figure: 87- Details of selected L 2 Landscape: Milli-watershed detail

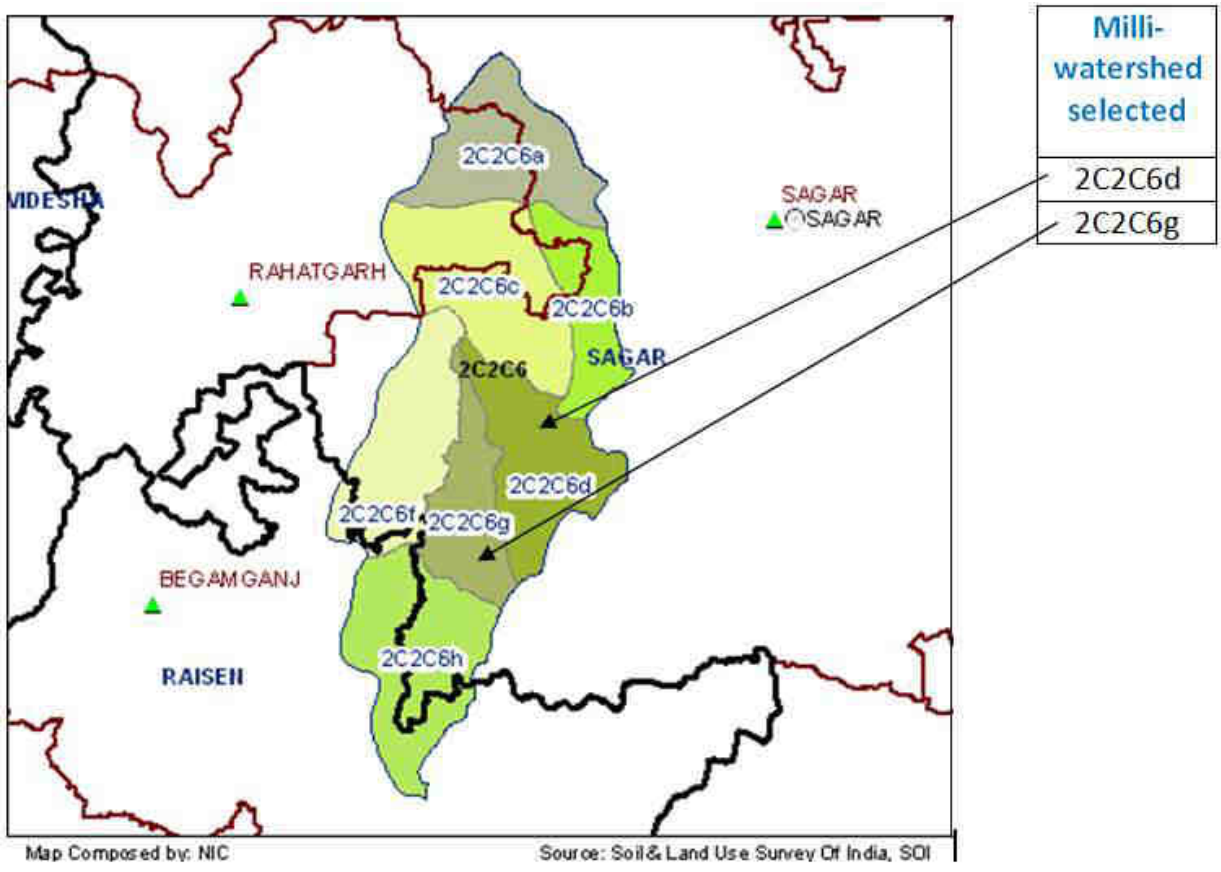


Figure: 88- Details of selected L 2 Landscape: Milli-watershed detail

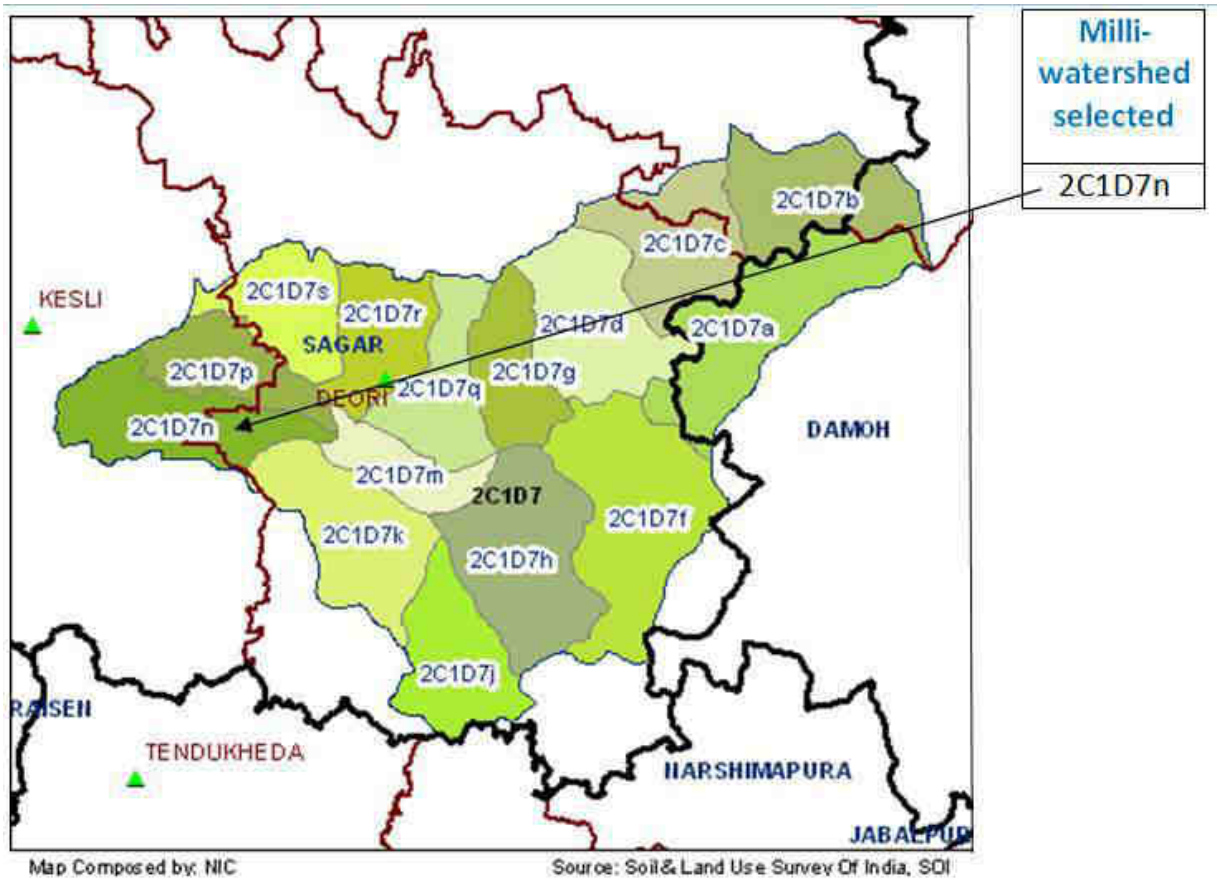


Figure: 89- Details of selected L 2 Landscape: Milli-watershed detail

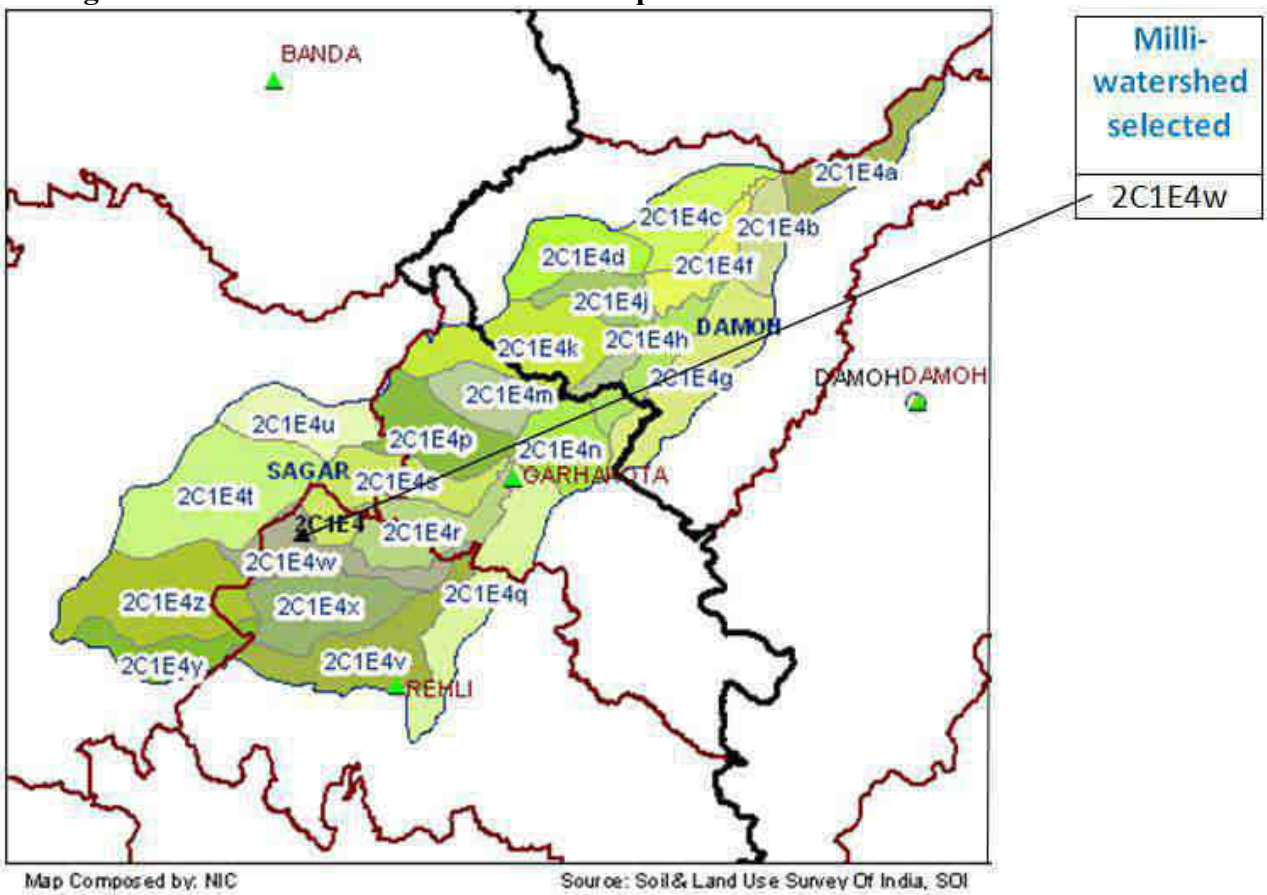


Figure: 90- Details of selected L 2 Landscape: Milli-watershed detail

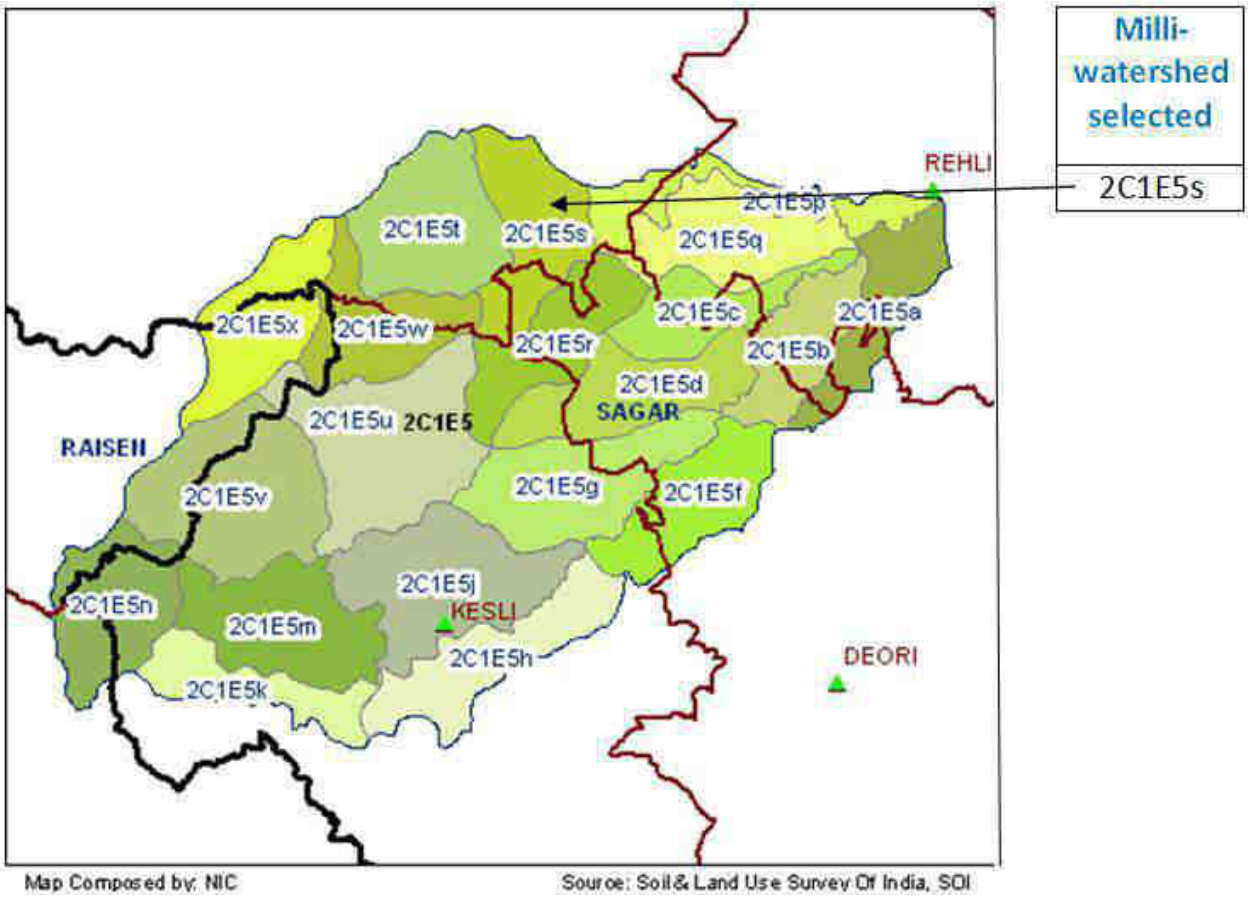


Figure: 91- Details of selected L 2 Landscape: Milli-watershed detail

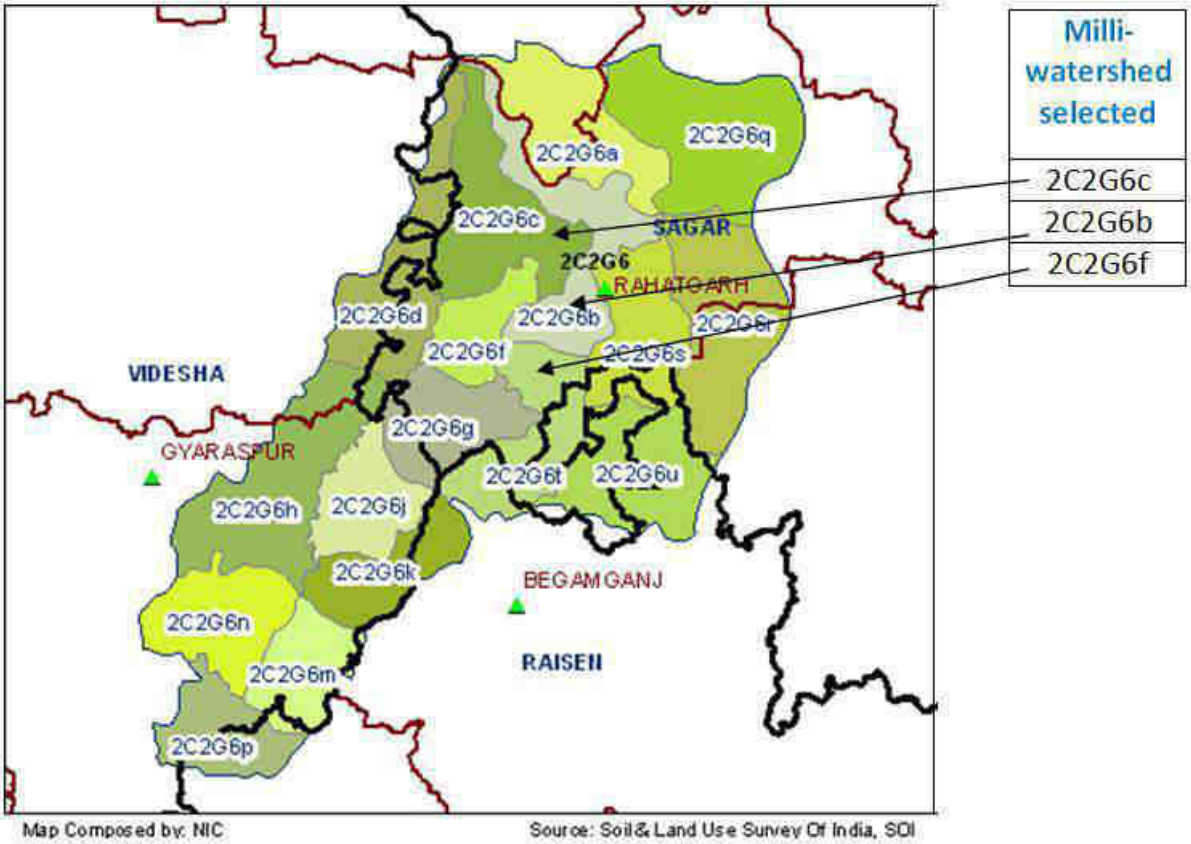
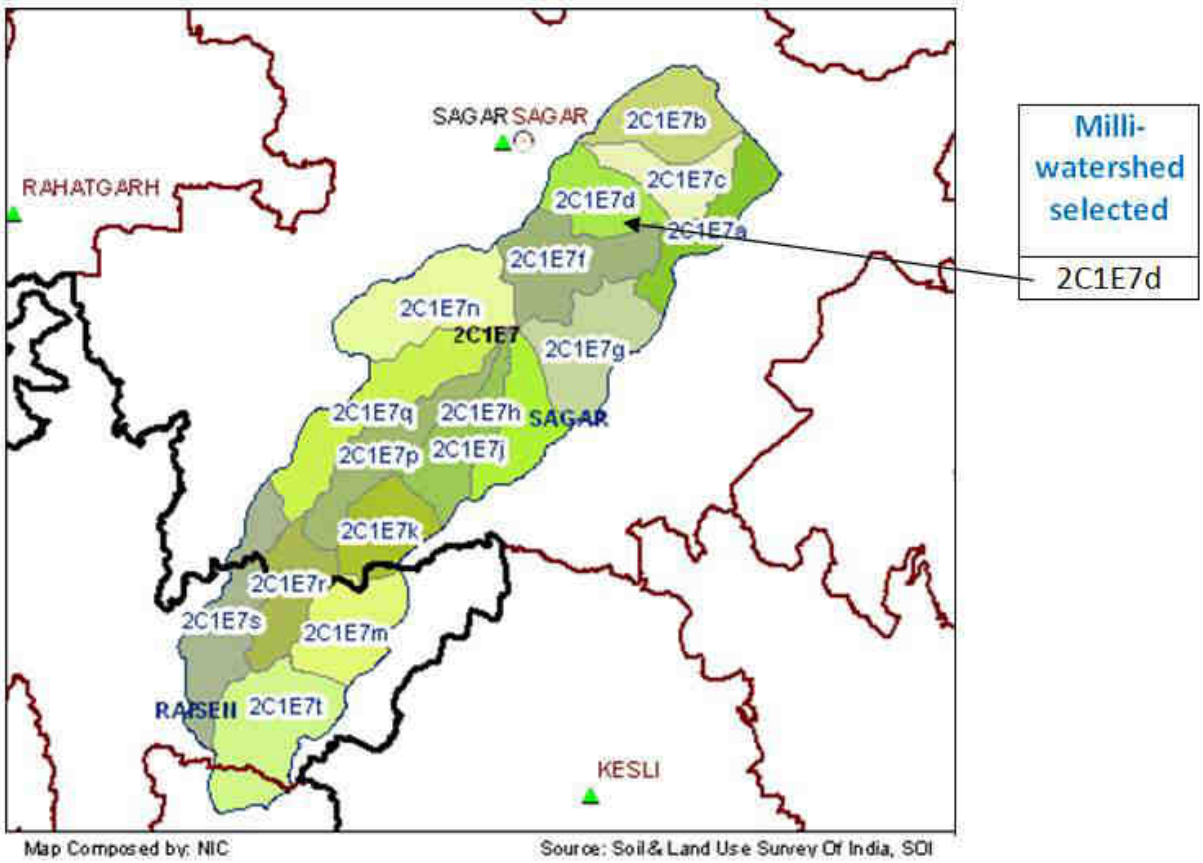


Figure: 92- Details of selected L 2 Landscape: Milli-watershed detail



2.12.6 L3 landscapes selected in Sagar District: -

The 03 milli-watershed selected as L2 landscapes comprises of 19 micro-watersheds which are the working unit of the GIM. The milli-watershed wise description of these micro-watersheds is as follows: -

2.12.6.1 Milli-watershed no. 2C1E5s :-

The micro-watersheds selected in this milli-watershed are as follows: -

Table 134 -Sagar L 2 landscape milli-watershed 2C1E5s details

No.	Micro-water-shed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C1E5s1	0	55.111	41.06	96.171	315.513	411.684
2.	2C1E5s2	103.438	208.793	151.401	463.632	351.815	815.447
3.	2C1E5s3	0	9.782	4.542	14.324	546.404	560.728
4.	2C1E5s4	0	0	144.855	144.855	1183.121	1327.976
5.	2C1E5s5	0	9.357	67.596	76.953	610.998	687.951
6.	2C1E5s6	0	0	1.416	1.416	871.65	873.066
Total		**103.438**	**283.043**	**410.87**	**797.351**	**3879.501**	**4676.852**

2.12.6.2 Milli-watershed no. 2C2G6c :-

The micro-watersheds selected in this milli-watershed are as follows:-

Table 135 -Sagar L 2 landscape milli-watershed 2C2G6c details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C2G6c1	0	0	0	0	903.189	903.189
2.	2C2G6c2	0	0	0	0	819.571	819.571
3.	2C2G6c3	0	0	0	0	702.378	702.378
4.	2C2G6c4	0	60.705	0.005	60.71	722.874	783.584
5.	2C2G6c5	206.786	268.554	80.983	556.323	401.638	957.961
6.	2C2G6c6	0	32.064	0	32.064	869.014	901.078
7.	2C2G6c7	0	144.415	0	144.415	841.456	985.871
8.	2C2G6c8	0	7.977	0	7.977	757.27	765.247
Total		**206.786**	**513.715**	**80.988**	**801.489**	**6017.39**	**6818.879**

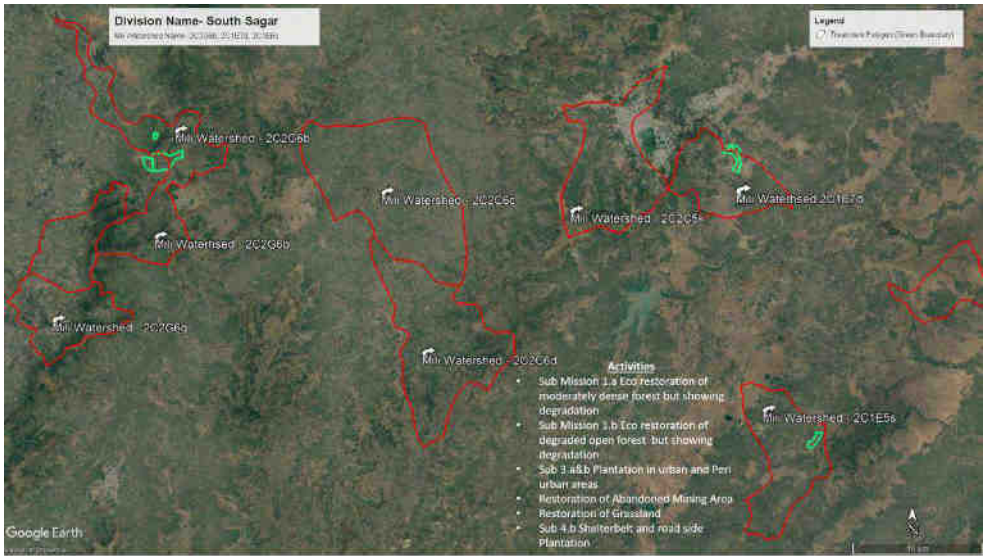
2.12.6.3 Milli-watershed no. 2C1E7d :-

The micro-watersheds selected in this milli-watershed are as follows: -

Table 136 -Sagar L 2 landscape milli-watershed 2C1E7d details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense For-est	Open Forest	Blank For-est	Total		
1.	2C1E7d1	0	0	0	0	893.068	893.068
2.	2C1E7d2	0	4.309	0	4.309	685.748	690.057
3.	2C1E7d3	0	71.378	3.968	75.346	517.391	592.737
4.	2C1E7d4	0	138.291	0	138.291	560.122	698.413
5.	2C1E7d5	0	1.323	0	1.323	744.618	745.941
Total		**0**	**215.301**	**3.968**	**219.269**	**3400.947**	**3620.216**

Figure:93- KML File of the L 3 Landscape under treatment



2.12.7 Demography:-

As per 2011 census data of the district are as follows: -

Total area of the district		10252 Sq Km
Literacy rate		76.5
No. of villages		2075
No. of households		514608
Population	Rural	1669662
	Urban	708796
	Total	2378458
Population	Male	1256257
	Female	1122201
	Total	2378458
Scheduled Caste Population		501630
Scheduled Tribe Population		221936

Brief Profile of Milli-Watershed (2C1E7d:

Table 137 – Sagar List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compart-ment No.	Gram Pancha-yat	Name of the Com-mittee
Sagar	Sagar	2C1E7d	Sironja		Siroja	Siroja

Table 138 – Sagar- The key demographic information is as below

	Sironja
Total Population	2083
Male	1159
Female	924
Total Households	440
Average members per HHs	4.73
Total Child (0-6years) population	287
Male (0-6 years) population	167
Female (0-6 years) population	120

Sex Ratio

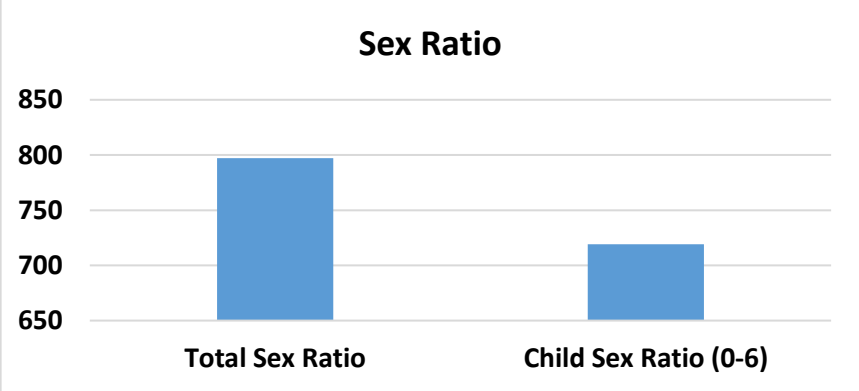
The overall sex ratio of these village are 797 , which implies that there are 907 females per 1000 males. The child (0-6 years) sex ratio is poorer then overall sex ratio and it is 719 of these villages.

Table 139 – Sagar *Villagewise sex ratio details are as follows*

	Sironja
Total Sex Ratio	797
Child Sex Ratio (0-6)	719

(Child sex ratio in Sironja (797) are serious matter of concern in social aspects.)

Figure 94 : Sex Ratio



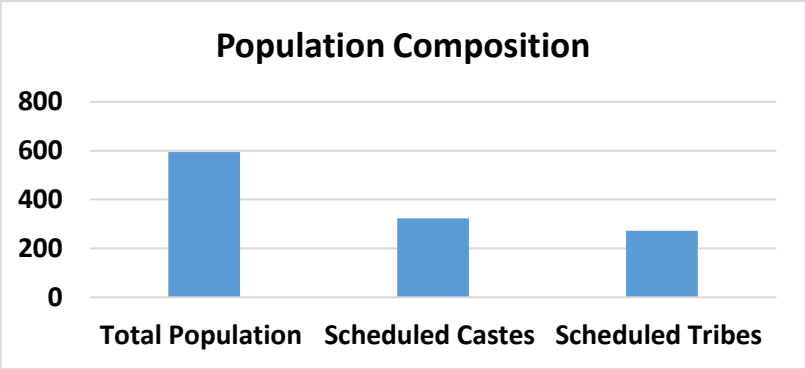
Population composition

The totals STs Population in this village are 272, which is 45.71% of the total population.

Table 140 – Sagar v*illagewise population details of selected area are as follows*

	Sironja
Total Population	595
Scheduled Castes	323
Scheduled Tribes	272

Figure 95: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 79 %, in which male literacy is 86 % and female literacy is 70% in these villages.

Table 141 – Sagar- *Village wise literacy details are as follows:*

	Sironja
Total Literacy	79
Male	86
Female	70

Figure 96: Literacy Rate

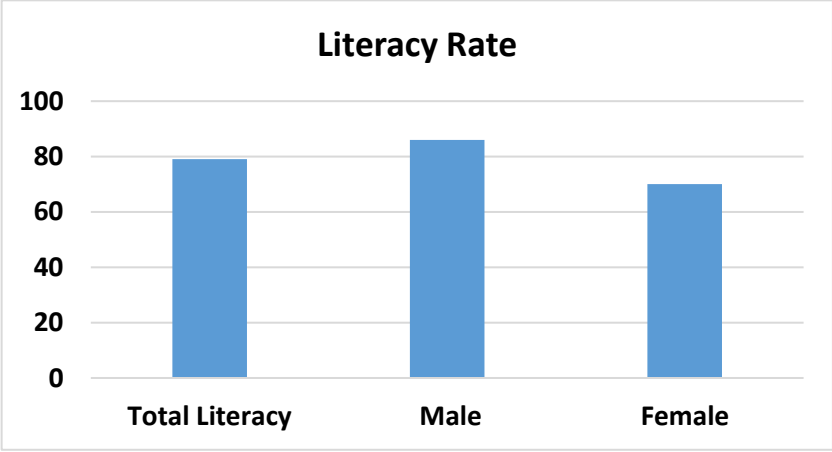


Table 142 – Sagar Important Statistics relating to works participation

	Sironja
Total Workers	
Total	646
Males	543
Females	103
(i) Main Workers	
Total	564
Males	481
Females	83
(ii) Marginal Workers	
Total	82
Males	62
Females	20
Non-Workers	
Total	1437
Males	616
Females	821

Brief Profile of Milli-Watershed (2C2G6b):

Table 143 - Sagar List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Vil-lages In-cluded in Water shade	Compart-ment No.	Gram Panchayat	Name of the Com-mittee
Sagar	Ra-hatgarh	2C2G6b	Hinotiya		Baha-durpur Darkoli	Hinotiya Sherpur Baha-durpur
			Sherpur			*(Data Not found in cen-sus2011)*
			Nayapura			*(Data Not found in cen-sus2011)*
			Bahadurpur			

Table 144 – Sagar The key demographic information is as below

	Hinotiya Khurd	Hanotiya Kalan	Bahadurpur
Total Population	311	1178	1002
Male	155	607	551
Female	156	571	451
Total Households	67	263	229
Average members per HHs	4.64	4.47	4.37
Total Child (0-6years) popula-tion	59	169	172
Male (0-6 years) population	27	77	98
Female (0-6 years) population	32	92	74

Sex Ratio

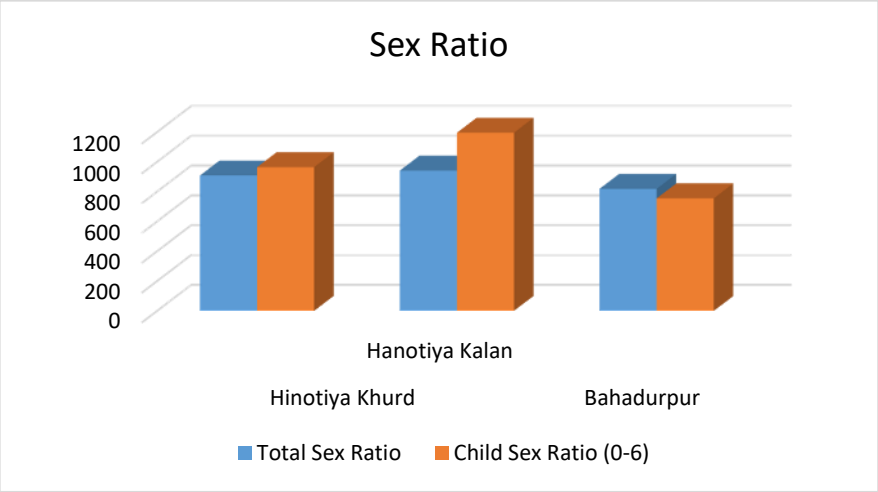
The overall sex ratio of these villages are 889, which implies that there are 889 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 971 of these villages.

Table 145 – Sagar *village wise sex ratio details are as follows*

	Hinotiya Khurd	Hanotiya Kalan	Bahadurpur
Total Sex Ratio	908	941	819
Child Sex Ratio (0-6)	964	1195	755

(Child sex ratio in Bahadurpur (755) are serious matter of concern in social aspects.)

Figure 97: Sex Ratio



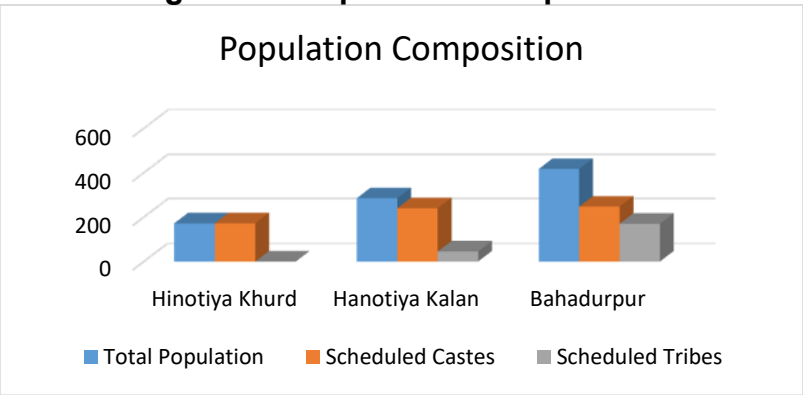
Population composition

The totals STs Population in these village are 215 which is 25% of the total population. Bahadurpur village has highest percentage of tribal population of 41%.

Table 146 – Sagar *villagewise population details are as follows*

	Hinotiya Khurd	Hanotiya Kalan	Bahadurpur
Total Population	172	285	417
Scheduled Castes	172	240	247
Scheduled Tribes	0	45	170

Figure 98: Population Composition



Literacy Rate

The overall literacy rate of these villages is 30%, in which male literacy is 40% and female literacy is 60% in these villages.

Table 147 – Sagar *village wise literacy details are as follows:*

	Hinotiya Khurd	Hanotiya Kalan	Bahadurpur
Total Literacy	64	753	585
Male	33	447	359
Female	31	306	226

Figure 99: Literacy Rate

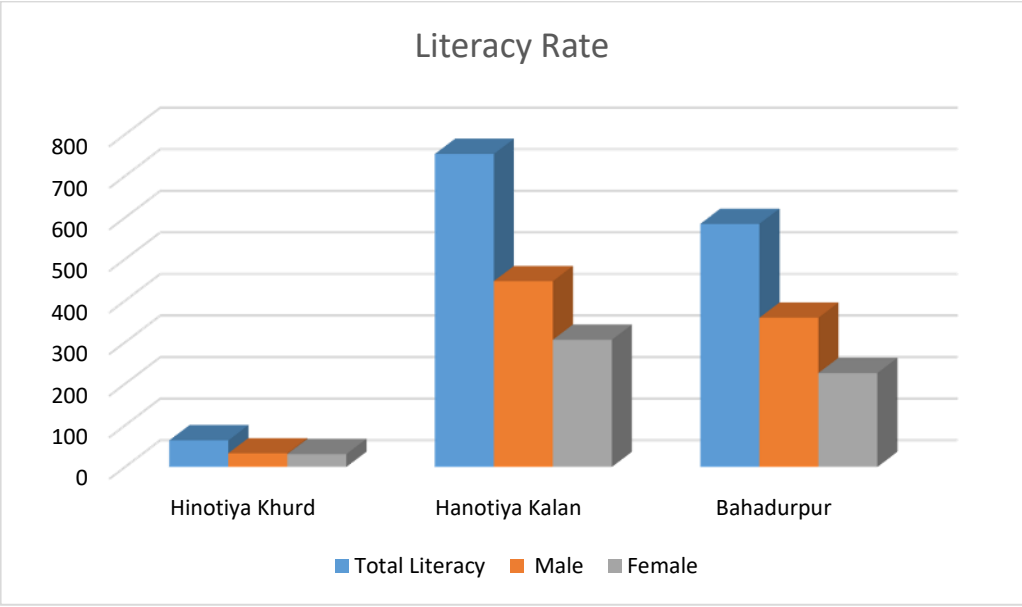


Table 148 – Sagar Important Statistics relating to works participation

	Hinotiya Khurd	Hanotiya Kalan	Bahadurpur
Total Workers			
Total	124	534	372
Males	75	372	290
Females	49	162	82
(i) Main Workers			
Total	123	386	372
Males	74	307	290
Females	49	79	82
(ii) Marginal Workers			
Total	1	148	0
Males	1	65	0
Females	0	83	0
Non-Workers			
Total	187	644	630
Males	80	235	261
Females	107	409	369

Socio Economic and Caste Census (SECC) 2011, Village wise information of households

SECC List for IPPE2

State: MADHYA PRADESH				District: Sagar	Block: Sagar	Gram Panchayat: SIRONJA (P)		
#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\ Mother's Name	Deprivation count	Auto Inclusion\ Deprivation code	Total Members
	Village:Sironja							
1	AJAY SINGH\अजय सिंह	M	33	Other	किशोर सिंह\देवकी बाई	1	--,--,--,--,--,--,D7	4
2	AMAN VISHVKARMA\अमान विश्वकर्मा	M	73	Other	सुखराम\राधा बाई	2	--,D2,--,--,--,D6,--	1
3	ANAND BAHAR\आनंद बाहर	M	30	Other	बसन्त\सावित्री	1	--,--,--,--,--,--,D7	5
4	ANJAN SINGH\अनजान सिंह	M	34	Other	उत्तम सिंह\तुलसी बाई	1	D1,--,--,--,--,--,--	2
5	ARBIND\अरबिन्द	M	21	SC	हरजू\प्रेम दुलैया	3	--,--,--,--,D5,D6,D7	3
6	ARJUN KACHHI\अर्जुन काछी	M	36	Other	शिवचरण\संतोष रानी	1	--,--,--,--,--,--,D7	4
7	ASHOK AHIRVAR\अशोक अहिरवार	M	36	SC	धुन्धे\राजरानी	2	--,--,--,--,D5,--,D7	6
8	ASHOK SINGH\अशोक सिंह	M	31	Other	प्रेम सिंह\बीना बाई	1	--,--,--,--,--,--,D7	7
9	B_AHIRWAR\	M	72	SC	\	3	D1,--,--,--,D5,--,D7	3
10	B_B_THAKUR\	M	81	Other	\	4	D1,D2,--,D4,--,D6,--	1
11	B_GOUD\	M	37	ST	\	3	D1,--,--,--,D5,--,D7	3
12	B_SINGH\	M	39	Other	\	1	--,--,--,--,--,--,D7	3
13	BADRI PRASAD SURYVANSHI\बद्री प्रसाद सूर्यवंशी	M	57	Other	आनंदीलाल\रामबाई	1	--,--,--,--,--,--,D7	3
14	bahadur\बहादुर	M	39	Other	महेश\तारा	1	--,--,--,--,--,--,D7	2
15	BAL RAM YADAV\बल राम यादव	M	77	Other	पता नहीं\मालूम नहीं	1	--,D2,--,--,--,--,--	2
16	balkisan\बालकिशन	M	44	ST	गिरधारी\राधा	4	D1,--,--,--,D5,D6,D7	7
17	ballu\बल्लू	M	53	ST	देवीदीन\वती	4	D1,--,--,--,D5,D6,D7	6
18	BALRAM YADAV\बलराम यादव	M	66	Other	छोटेलाल\सदरानी	2	--,D2,--,--,--,D6,--	2
19	BALVANT\बलवंत	M	39	Other	अमर सींग\लक्ष्मी	1	--,--,--,--,--,--,D7	6
20	balveer singh\बलवीर सिंह	M	43	Other	शेरिसंह\बसती बाई	1	--,--,--,--,--,--,D7	6
21	BANTI\बन्ती	M	36	Other	नारायण सिंह\हरिबाई	1	--,--,--,--,--,--,D7	5

6.12.8 Reason for selection of L2 landscapes: -

- South Sagar is one of the seven divisions where preparatory activities were carried out under Green India Mission, so to maintain continuity of treatment, this division has been selected.
- Scheduled Class dominant population, dependent on rainfed farming and labour migrate frequently in search of work to other area.
- Large portion of the population in the landscape is living below poverty line.
- The livelihood opportunities are less. There are no industries working in the area. The level of dependence on forest is high.
- Income from agriculture is meager. The percentage of irrigated crop area is very small.
- Forest land in the division is below the standards of 33 %.
- Landscape forms catchment of many rivers like Sonar, Bewas, Dhasan, Bamner and Bina rivers.

6.12.9 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Soil and Moisture Conservation Works in the catchment areas.
- Silvi-Pasture development and rehabilitation of degraded forest land.
- Plantation on forest and non forest land.
- Restoration of wet lands.
- Productivity enhancement of moderately dense forest.
- Plantation around urban and peri urban areas.

6.12.10 Proposed interventions: -

- Organizing JFMC level and Division level workshop and training program and awareness generation on GIM.
- Capacity building of forest staff and JFMC members.
- Appointing Team of Community foresters at JFMC level.
- Protection and maintenance activities-

6.12.11 Cross cutting interventions proposed: -

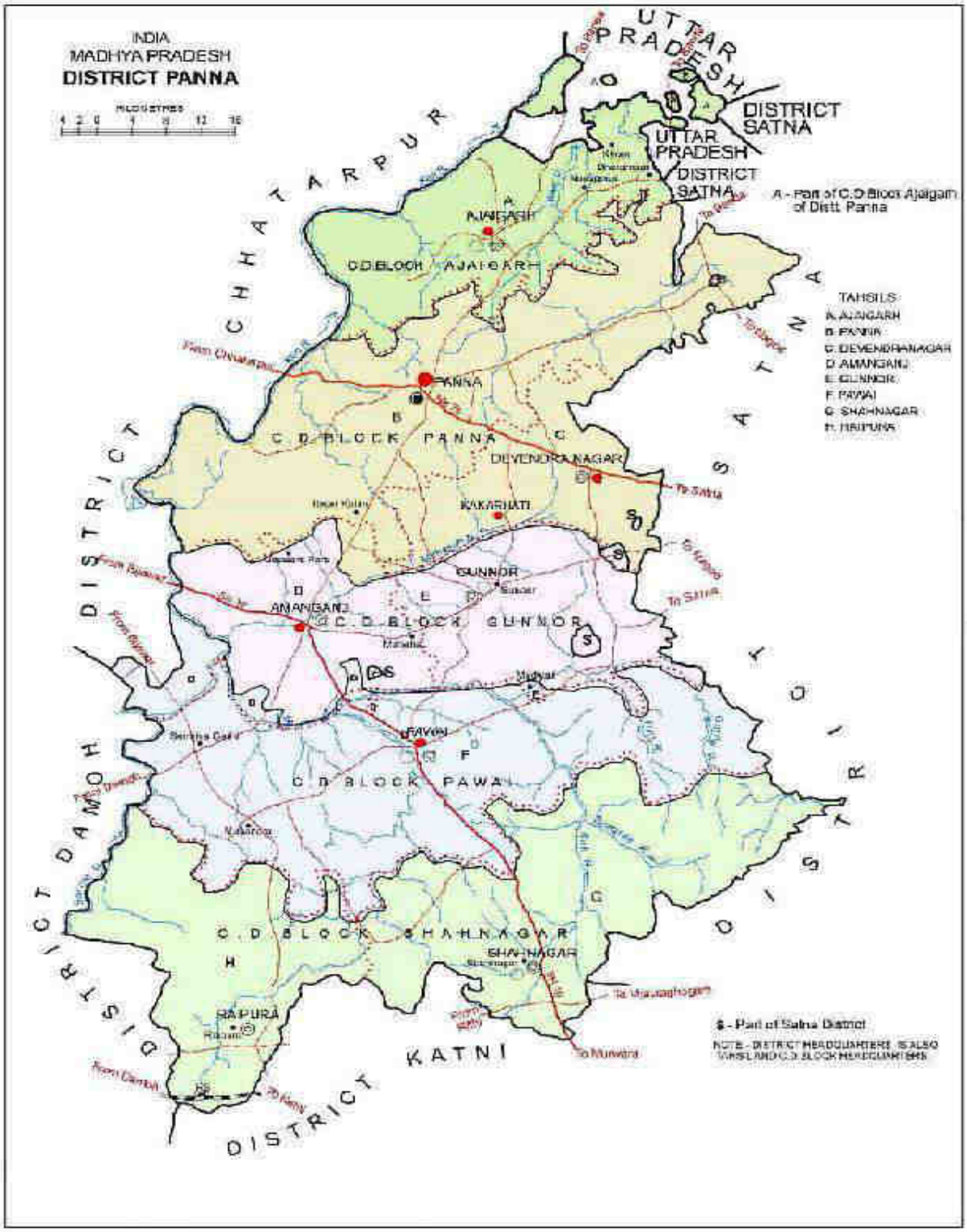
- Improving fuel-wood efficiency and promoting alternative energy sources.
- Distribution of pressure cooker, promotion of solar devices, Bio-gas plants depending on the need will be facilitated in the selected area.

6.12.12 Livelihood improvement activities proposed: -

- Dairy farming
- NTFP based livelihoods
- Sewing machine distribution and training
- Poultry farming
- Pisciculture

Chapter 9: 9.2- Landscape details for L 1 Landscape (vii)- Budelkhand: South Panna Forest Division

Panna is situated in the northern part of Madhya Pradesh making boundary with uttar pradesh. It is located between $23^0$45' to $25^0$10' North latitude and $79^0$45' to $80^0$40' east longitude. Panna district is famous for its diamond mines.



A large group of diamond deposit extends North-East on a branch of the Vindhyan range and is known as the Panna Group.The climate of the region is tropical summers somewhat scorching. Landscape area faces extremes of climate, with prolonged and hot and dry summers and mild to chilled winters. Rainy season is short with mostly low rainfall. The average maximum

and minimum temperatures are 41.5 & 13.0-degree Celsius respectively. The normal annual rainfall is the district is 1182 mm.

Physically Panna district forms part of vindhyachal ranges in the south followed by Bundelkhand upland in the north. The vindhyachal ranges have an average elevation of 440 meter above mean sea level in Bundelkhand upland. Ken and Ranj are the prominent rivers of the district.

Almost three-forth area of the district is covered with alluvial soil formed by the weathering of vindhyan sediments. The northern part of the district area is covered with yellowish sandy soils derived from weathering of granite rock. Thick alluvial soils are found along the river course.

There are two territorial forest divisions and one National Park in the district. For GIM purpose South Panna division has been taken up.

2.13.1 Forest: -

Forests of S.Panna division are mainly Southern Tropical Dry Deciduous Teak Forests and southern Tropical Dry Mixed Deciduous Forests. Teak is the main species of the area. Another species present are Saja, Baheda, Kusum, Bija, Palash (Butea), Bel, Aonla, Kem, Gurjan, Chirol, Sirris, Mahua etc. Lantana, Karonda Jherberi, Gokhuru are the main shrub species. The regeneration of the prominent species in the forest is not satisfactory and to improve the regeneration plantation, seed sowing, regeneration of degraded area is required. The crop density varies from 0.4 to 0.7.The area wise details of the forest in the division are as follows:-

Reserved Forest	Protected Forest	Unclassified Forest	Total (ha.)
1045.86	179855.26	0	180901.12

2.13.2 Wildlife: -

In S.Panna division the presence of big carnivores like Tiger and Panther is frequently reported. Other carnivores like Hyena, Jackal, Wild Cat, Wolf are also reported. The herbivore species found in the area are Spotted deer, Bluebull, Chinkara, Sambhar, Barking deer, Slothbear etc.Landscape area is near to famous Panna Tiger Reserve known for reintroduction and subsequent re-establishment of the once lost population of the tiger in the area. Landscapes serves as dispersal area for the wild animals of Panna national park and falls in the wild life corridor between Panna and Bandhavgarh Tiger reserve.

2.13.3 Dependence on Forest: -

In S. Panna division about 457 villages are situated within 5 km. distance from forest. Besides 87% population of the district is living in rural area which is dependent on forest for their various needs of forest produce. As per working plan estimation following forest produce is required to meet the annual demand of the population: -

Table 149 – Panna annual demand of forest produce

Sr No.	Item	Requirement
1	Timber	16373 cmt
2	Fuelwood	1032037 qt.
3	Bamboo	616150

For most of their demand villagers depend on the forest which is exerting tremendous pressure on the forest.

2.13.4 Joint Forest Management: -

In S.Panna division 457 Villages lie in the vicinity of the forest.To ensure these villager's participation in the protection and management of the forest about 233 JFMCs have been constituted in these villages. An area of 1525.31 sq .km. has been assigned to these JFMCs for forest protection and management. Since much of the area of the division is under stocked and blank forest, 194 village forest committees have been constituted in such areas whereas near dense forest area 39 forest protection committees have been constituted.

2.13.5 L-2 Landscapes selected in Panna District: -

Following 02 milli watersheds of S. Panna division have been selected as L2 landscapes: -

Table 150 – Panna L 2 milli-watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C1C4h	0	6129.807	2072.674	8202.48	767.452	8969.933
2.	2C1C6u	769.569	842.698	273.067	1885.33	1516.919	3402.253
Total		**769.569**	**6972.505**	**2345.741**	**10087.81**	**2284.371**	**12372.186**

Thus the milli watersheds selected as L2 landscapes for S.Panna division have an area of 12372.186 ha. These 02 milli-watersheds are the operational units for implementation of GIM. All the 02 milli watersheds possess forest as well as non forest area. These 02 milli watersheds have 64 micro watersheds which have forest as well as non forest area. The forest area in the milli –watersheds is largely open and blank forest which needs measures to increase its quality and stocking.

Figure: 100- Details of selected L 2 Landscape: Milli-watershed detail

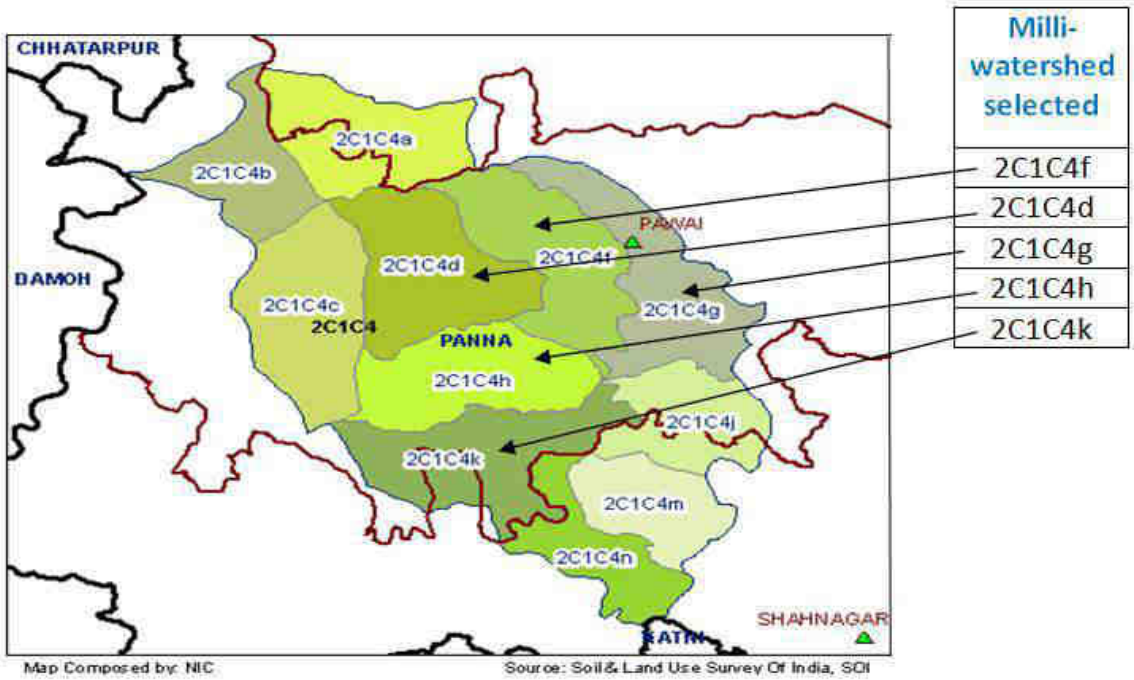


Figure: 101- Details of selected L 2 Landscape: Milli-watershed detail

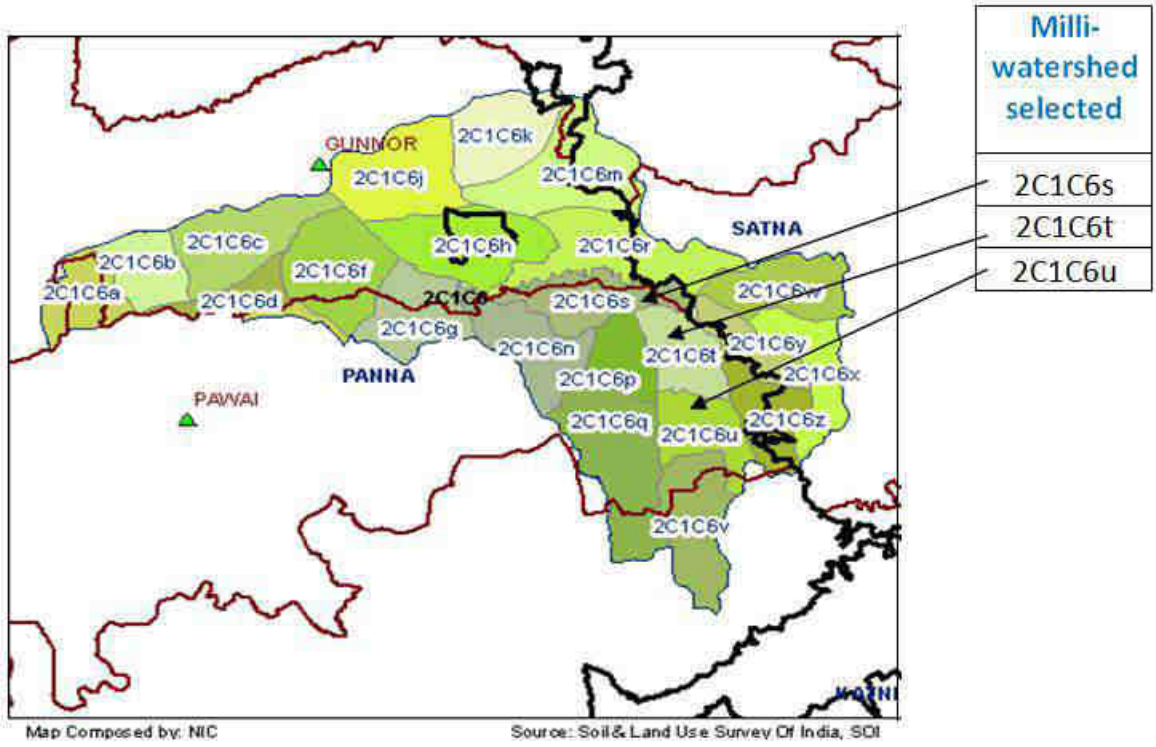
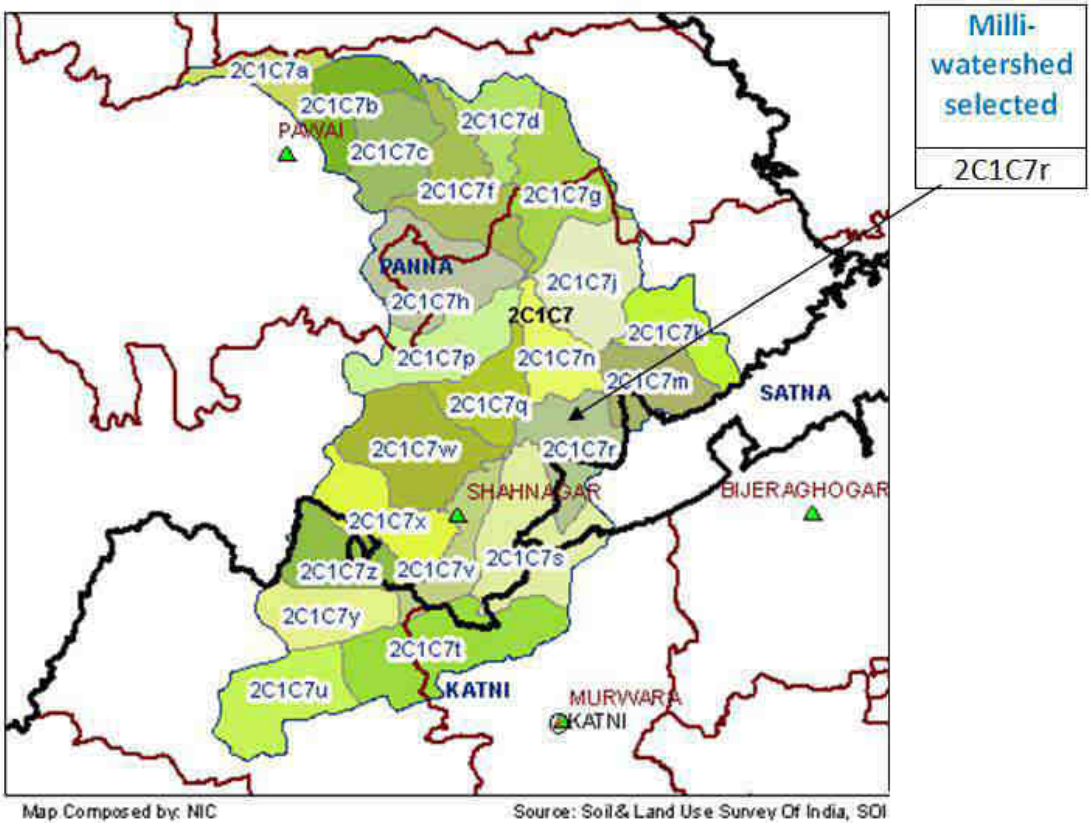


Figure: 102- Details of selected L 2 Landscape: Milli-watershed detail



2.13.6 L3 landscapes selected in Panna District :-

The 02 milli-watershed selected as L2 landscapes have further been divided into total 12 micro-watersheds which are the working unit of the GIM. The milli-watershed wise description of these micro-watersheds is as follows: -

2.13.6.1 Milli-watershed no. 2C1C4h:-

The micro-watersheds selected in this milli-watershed are as follows: -

Table 151 – Panna L 2 milli-watershed 2C1C4h details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C1C4h3	0	129.672	297.525	427.197	105.368	532.565
2.	2C1C4h4	0	387.612	170.892	558.504	28.587	587.091
3.	2C1C4h5	0	906.628	68.788	975.416	80.021	1055.437
4.	2C1C4h6	0	1031.608	284.92	1316.528	114.094	1430.622
5.	2C1C4h7	0	543.751	691.467	1235.218	3.76	1238.978
6.	2C1C4h8	0	640.581	212.401	852.982	250.71	1103.692
7.	2C1C4h9	0	1190.567	73.894	1264.461	97.287	1361.748
Total		**0**	**6129.807**	**2072.674**	**8202.481**	**767.452**	**8969.933**

2.13.6.8 Milli-watershed no. 2C1C6u:-

The micro-watersheds selected in this milli-watershed are as follows:-

Table 152 – Panna L 2 milli-watershed 2C1C6u details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C1C6u1	0	171.414	108.752	280.166	534.164	814.33
2.	2C1C6u2	627.046	95.832	13.896	736.774	183.541	920.315
3.	2C1C6u3	91.355	180.193	1.724	273.272	118.507	391.779
4.	2C1C6u4	51.168	226.961	137.793	415.922	162.163	578.085
5.	2C1C6u5	0	168.298	10.902	179.2	518.544	697.744
Total		**769.569**	**842.698**	**273.067**	**1885.334**	**1516.919**	**3402.253**

Figure:103- KML File of the L 3 Landscape under treatment

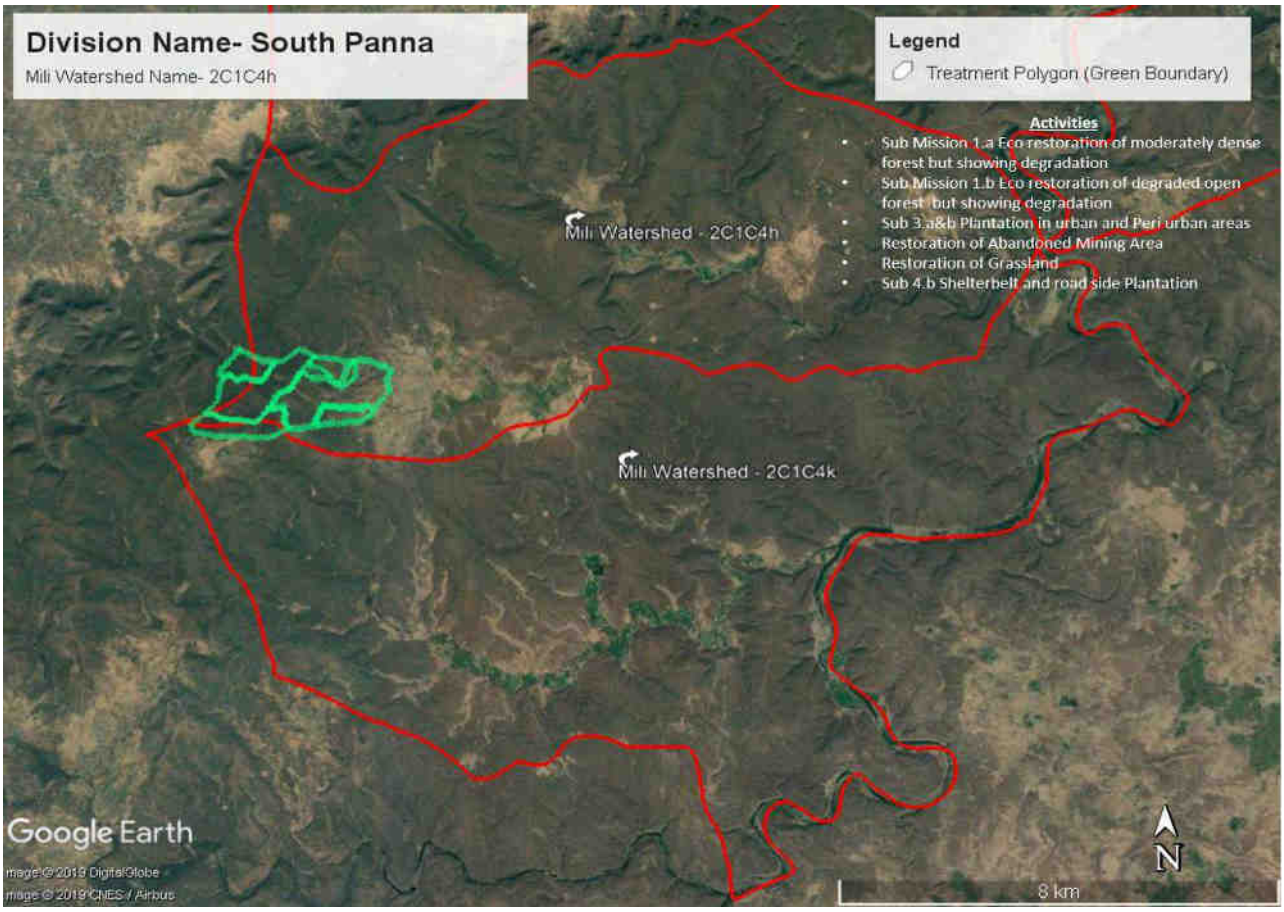
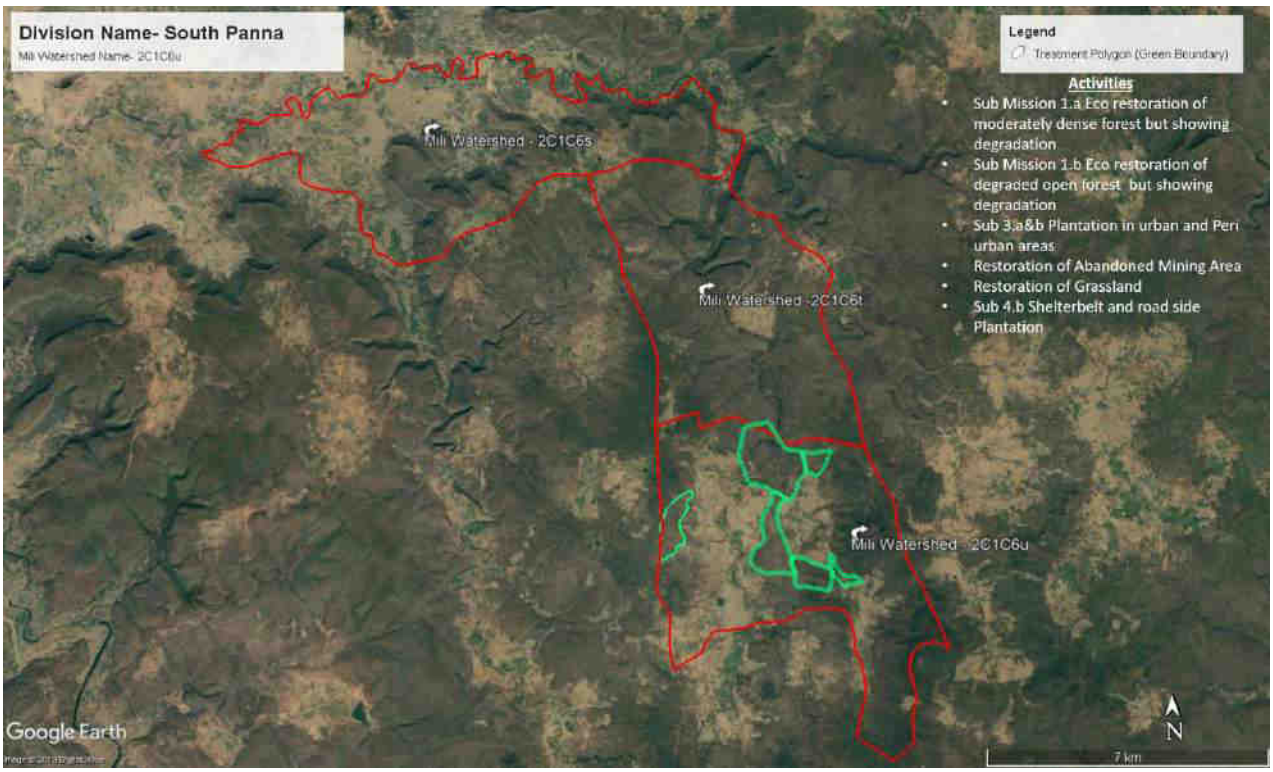


Figure:104- KML File of the L 3 Landscape under treatment



2.13.5 Demography: -

As per 2011 census data of the district are as follows: -

Total area of the district		7135.00 Sq.Km
Literacy rate		64.8
No. of villages		1011
No. of households		228709
Population	Rural	891185
	Urban	125335
	Total	1016520
Population	Male	533480
	Female	483040
	Total	1016520
Scheduled caste population		207990
Scheduled tribe population		170879

Pawai:

1.16 Pawai is a Block located in Panna district in Madhya Pradesh. Located in rural part of Madhya Pradesh, it is one among the 5 blocks of Panna district. As per the administration register, the block code of Pawai is 49. The block has 201 villages and there are total 41912 homes in this Block.

1.17 Population of Pawai Block

1.18 As per Census 2011, Pawai's population is 179105. Out of this, 93980 are males while the females count 85125 here. This block has 29679 children in the age group of 0-6 years. Out of this 15444 are boys and 14235 are girls.

1.19 Literacy rate of Pawai

1.20 Literacy rate in Pawai block is 52%. 93234 out of total 179105 population is literate here. In males the literacy rate is 60% as 56564 males out of total 93980 are literate however female literacy rate is 43% as 36670 out of total 85125 females are educated in this Block. The dark part is that illiteracy ratio of Pawai block is 47%. Here 85871 out of total 179105 people are illiterate. Male illiteracy rate here is 39% as 37416 males out of total 93980 are illiterate. Among the females the illiteracy ratio is 56% and 48455 out of total 85125 females are illiterate in this block.

Brief Profile of Milli-Watershed (2C1C4h):

Table 153 – Panna List of Villages

Divisions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Panchayat	Name of the Committee (JFMC's)
South Panna	Mohandra	2C1C4h	Rampura, Hardua, Kothi, Gairha, Dumaiya	863, 883, 884	Kuwarpur, Kothi	Rampura, Hardua, Kothi, Gairha, Dumaiya

Table 154 – Panna the key demographic information is as below

	Rampura	Hardua	Kothi	Gairha	Dumaiya
Total Population	682	402	919	313	317
Male	370	205	490	173	168
Female	312	197	429	140	149
Total Households	143	79	182	71	59
Average members per HHs	4.7	5.0	5.0	4.4	5.3
Total Child (0-6years) population	133	100	196	53	63
Male (0-6 years) population	69	51	98	32	30
Female (0-6 years) population	64	49	98	21	33

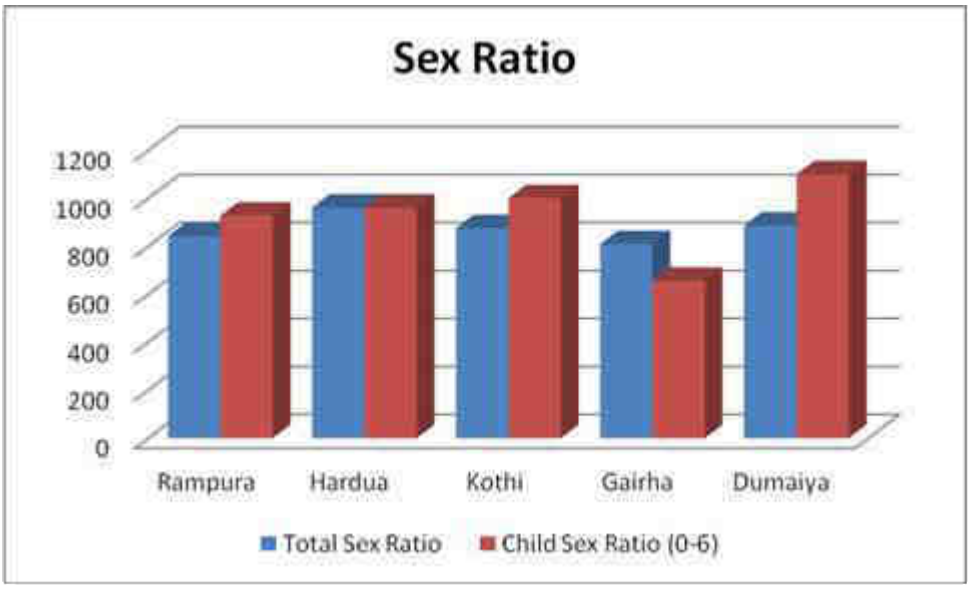
Sex Ratio

The overall sex ratio of these villages are 875 , which implies that there are 875 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 929 of these villages.

Table 155 – Panna *village wise sex ratio details are as follows*

	Rampura	Hardua	Kothi	Gairha	Du-maiya
Total Sex Ratio	843	961	876	809	887
Child Sex Ratio (0-6)	928	961	1000	656	1100

Figure 105: Sex Ratio



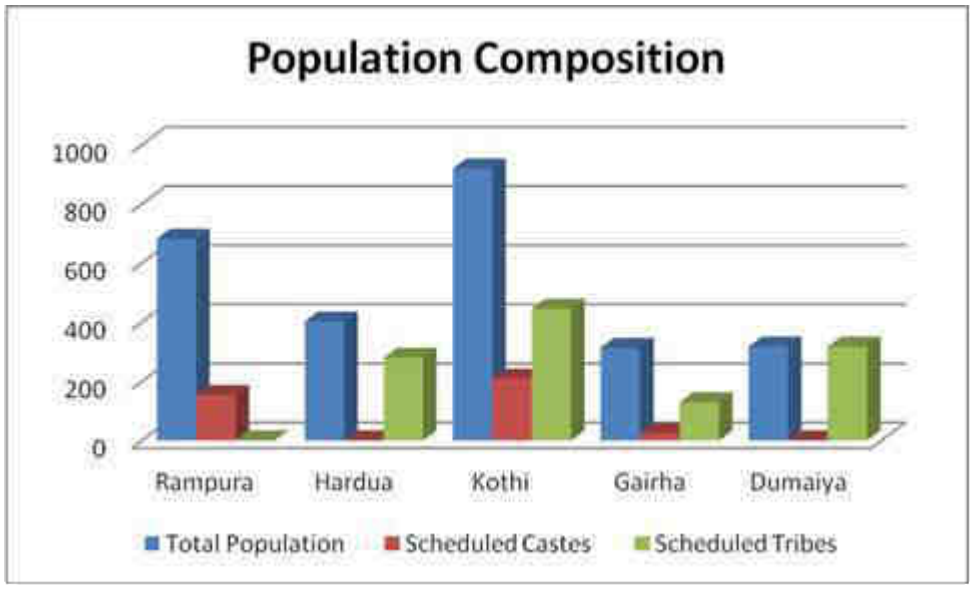
Population composition

The totals STs Population in these villages are 1170, which is 44% of the total population. Dumaiya and Hardua villages has highest percentage of tribal population of 100% and 69.4% respectively.

Table 156 – Panna *Village wise population details are as follows*

	Rampura	Hardua	Kothi	Gairha	Dumaiya
Total Population	682	402	919	313	317
Scheduled Castes	153	0	208	25	0
Scheduled Tribes	0	279	445	129	317

Figure 106: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 49.26%, in which male literacy is 57.08% and female literacy is 39.96% in these villages.

Table 157 – Panna *Village wise literacy details are as follows:*

	Rampura	Hardua	Kothi	Gairha	Dumaiya
Total Literacy	65.03	23.84	58.78	41.15	57.48
Male	78.07	25.97	67.09	43.97	70.29
Female	49.19	21.62	48.94	37.82	42.24

Figure 107: Literacy Rate

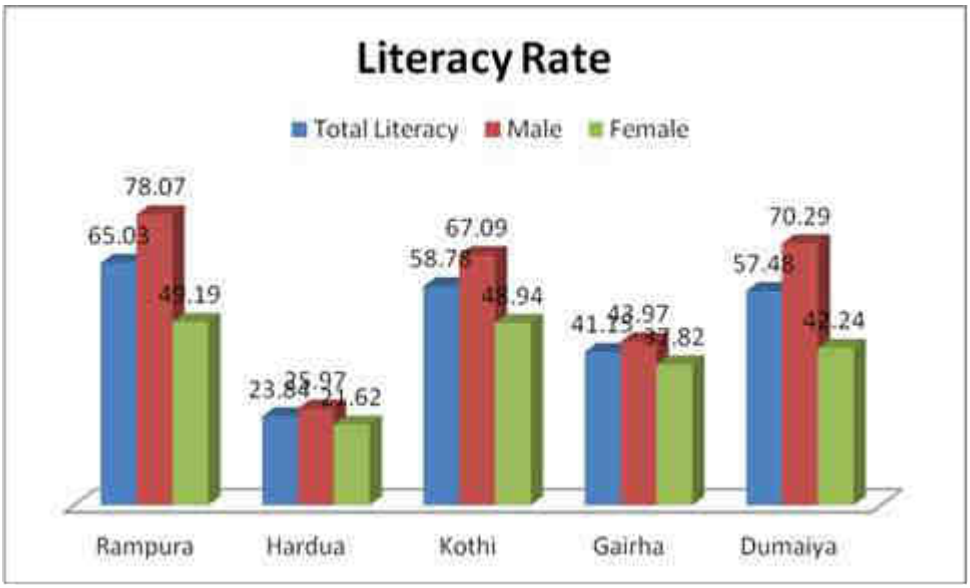


Table 158 – Panna Important Statistics relating to works participation

	Rampura	Hardua	Kothi	Gairha	Dumaiya
Total Worker					
Total	202	233	423	83	162
Male	177	121	274	76	85
Female	25	112	149	7	77
(i) Main Worker					
Total	196	41	417	75	142
Male	171	33	273	68	76
Female	25	8	144	7	66
(ii) Marginal Worker					
Total	6	192	6	8	20
Male	6	88	1	8	9
Female	0	104	5	0	11
Non-Worker					
Total	480	169	496	230	155
Male	193	84	216	97	83
Female	287	85	280	133	72

Brief Profile of Milli-Watershed (2C1C6u):

Table 159 – Panna List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Vil-lages Included in Water shed	Compart ment No.	Gram Panchayat	Name of the Committee
South Panna	Kaida	2C1C6u	Rampur, Bhamka	1235,1245,1233, 1266, 1224, 1234	Mainha, Paudikala	Rampur, Paudi Bhamka
			Jaitipur		Not found in Census 2011	

Shahnagar is a Block placed in Panna district in Madhya Pradesh. Placed in rural region of Madhya Pradesh, it is one among the 5 blocks of Panna district. According to the administration register, the block code of Shahnagar is 50. The block has 225 villages and there are total 44119 houses in this Block.

Population of Shahnagar Block

As per Census 2011, Shahnagar's population is 185252. Out of this, 95975 are males whereas the females count 89277 here. This block has 31590 children in the age bracket of 0-6 years. Out of this 16513 are boys and 15077 are girls.

Literacy rate of Shahnagar Block

Literacy rate in Shahnagar block is 51%. 95001 out of total 185252 population is educated here. Among males the literacy ratio is 60% as 58114 males out of total 95975 are educated however female literacy ratio is 41% as 36887 out of total 89277 females are educated in this Block. The dark side is that illiteracy ratio of Shahnagar block is 48%. Here 90251 out of total 185252 people are illiterate. Male illiteracy rate here is 39% as 37861 males out of total 95975 are uneducated. In females the illiteracy rate is 58% and 52390 out of total 89277 females are illiterate in this block.

Table 160 – Panna The key demographic information is as below

	Rampur	Bhamka
Total Population	280	176
Male	141	93
Female	139	83
Total Households	63	37
Average members per HHs	4.4	4.8
Child Population (0-6)		
Total Child (0-6years) population	75	31
Male (0-6 years) population	34	15
Female (0-6 years) population	41	16

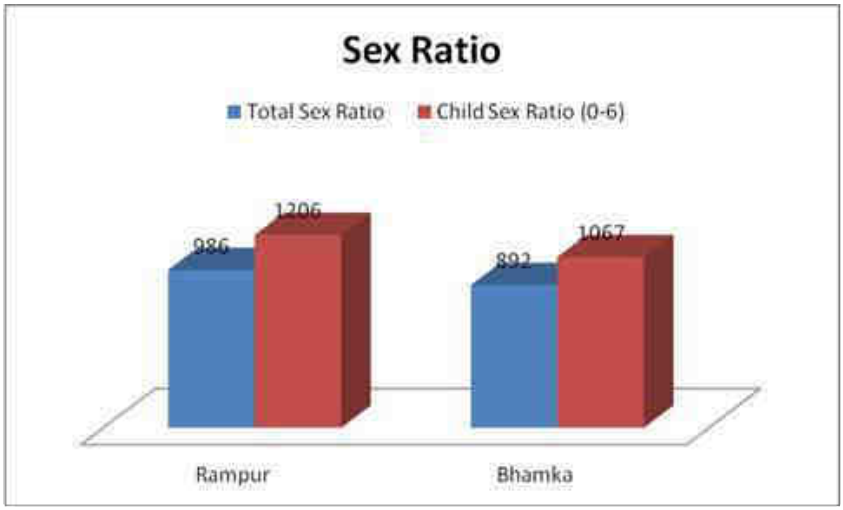
Sex Ratio

The overall sex ratio of these villages are 939 , which implies that there are 939 females per 1000 males. The child (0-6 years) sex ratio is better then overall sex ratio and it is 1136 of these villages.

Table 161 – Panna v*illage wise sex ratio details are as follows*

	Rampur	Bhamka
Total Sex Ratio	986	892
Child Sex Ratio (0-6)	1206	1067

Figure 108: Sex Ratio



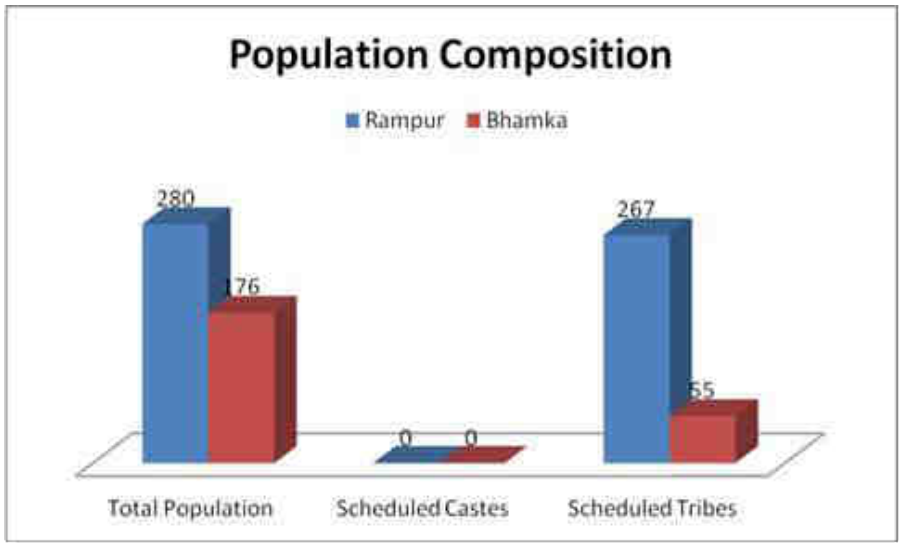
Population composition

The totals STs Population in these villages are 322, which is 70.6% of the total population. Rampur village has highest percentage of tribal population of 95% .

Table 162 – Panna *village wise population details are as follows*

	Rampur	Bhamka
Total Population	280	176
Scheduled Castes	0	0
Scheduled Tribes	267	55

Figure 109: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 53.44%, in which male literacy is 66.92% and female literacy is 38.09% in these villages.

Table 163 – Panna *Village wise literacy details are as follows:*

	Rampur	Bhamka
Total Literacy	51.71	55.17
Male	60.75	73.08
Female	41.84	34.33

Figure 110: Literacy Rate

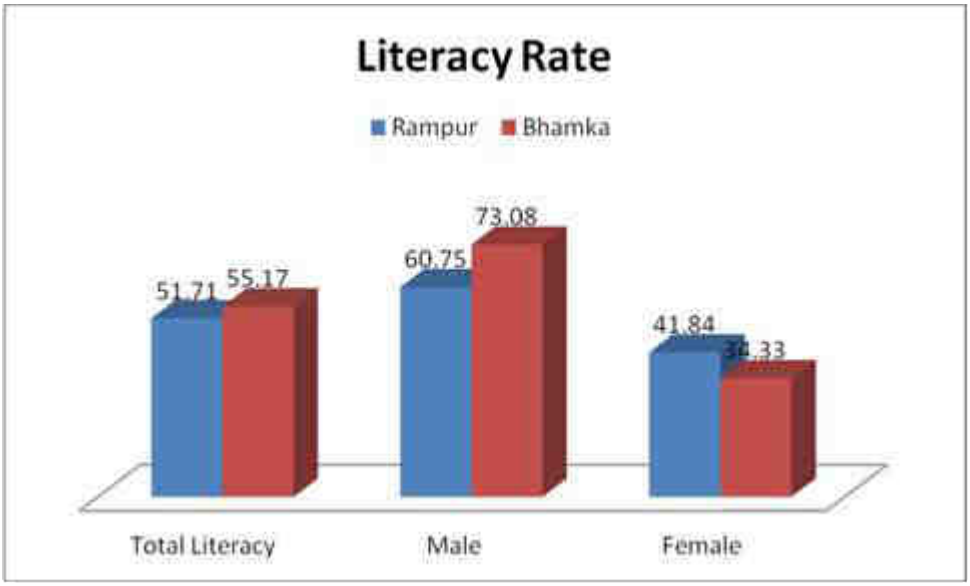


Table 164 – Panna Important Statistics relating to works participation

	Rampur	Bhamka
Total Workers		
Total	136	93
Male	74	48
Female	62	45
(i) Main Worker		
Total	4	75
Male	3	42
Female	1	33
(ii) Marginal Worker		
Total	132	18
Male	71	6
Female	61	12
Non- Worker		
Total	144	83
Male	67	45
Female	77	38

Socio Economic and Caste Census (SECC) 2011,
Village wise information of households
Gram Panchayat: Kuwarpur

#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\Mother's Name	Deprivation count	Auto Inclusion\Deprivation code	Total Members
	Village:Kunwarpur							
1	BHUPAT GAUD\भूपत गौड	M	62	ST	सुम्मेरा\येतिया	AI	--,AI2,--,--,--	3
2	DASHARATHA CHAMAR\दसरथा चमार	M	62	SC	गोला\गुलिया	AI	AI1,--,--,--,--	2
3	HAKKA CHAMAR\हक्का चमार	M	67	SC	लछुवा\पंखी	AI	--,AI2,--,--,--	1
	Village:Rampura							
4	ramswarooprao\राम स्वरूप	M	37	Other	शंकर\द्रोपती	AI	--,AI2,--,--,--	1
5	SITARAM RAV\सीताराम राव	M	43	Other	शंकर\द्रोपदी	AI	--,AI2,--,--,--	1
	Village:Kunwarpur							
6	A_BHASOR\	M	37	SC	\	1	--,--,--,--,D5,--,--	1
7	A_CHAMAR\	M	57	SC	\	4	D1,--,--,--,D5,D6,D7	3
8	A_GAUND\	M	28	ST	\	4	D1,--,--,--,D5,D6,D7	3
9	ABADH PRASAD KHARE\अवध प्रसाद खरे	M	62	Other	जगदम्मा\गिरजा	2	D1,--,--,--,--,--,D7	2
10	ABDHESH\अबधेश	M	47	Other	तुलई\केशर बाई	2	D1,--,--,--,--,D6,--	8
11	ABHILSH KHARE\अभिलाषा खरे	M	23	Other	कमला प्रकाद\राकेश कुमारी	3	D1,--,--,--,--,D6,D7	4
12	ACHCHHE LAL-CHAMAR\अच्छे लाल चमार	M	52	SC	ट्न्टा\सुमन्त्री	3	D1,--,--,--,D5,D6,--	1
13	ALI MOHAMMAD\अली मोहम्मद	M	50	Other	मंगलिया\गुलसन	1	D1,--,--,--,--,--,--	4
14	amrsa gond\अमरसा गौंड	M	50	ST	कंधन\गुलान बाई गौंड	4	D1,--,--,--,D5,D6,D7	4
15	ANANDI CHAMAR\अनंदी चमार	M	42	SC	घूसा\गुनिया	4	D1,--,--,--,D5,D6,D7	5
16	ANANDI PRA-JAPATI\अनंदी प्रजापति	M	52	SC	परमा\हल्की	3	D1,--,--,--,D5,D6,--	6
17	ANARI KORI\अनारी कोरी	M	52	SC	सुर्रा\पार्वती	3	--,--,--,--,D5,D6,D7	7
18	ANBAR KHAN\अनवर खान	M	47	Other	नत्थू\तिजिया	2	D1,--,--,--,--,--,D7	7
19	ANGAT GAUND\अंगत गौड़	M	37	ST	दरवारी\सिद्दन	4	D1,--,--,--,D5,D6,D7	4
20	arjun choudhari\अर्जुन चौधरी	M	47	SC	मकुंदा\सुनिया	3	--,--,--,--,D5,D6,D7	6
21	ARUN SINGH THAKUR\अरुण सिंह ठाकुर	M	47	Other	बाबुसिंह\जानकी	3	D1,--,--,--,--,D6,D7	1
22	arvindgond\अरविन्द	M	23	ST	हस्जारी\सकीबाई	3	D1,--,--,--,D5,D6,--	3

2.13.6 Reason for selection of L2 landscapes:-

- The area is ecologically important and falls in the catchment area of perennial rivers like Ken and Patne.
- Landscape is biodiversity rich area.
- 87 % of the population lives in the rural area and most of which lives below poverty line.
- Landscape is facing tremendous biotic pressure.
- The livelihood opportunities are less. There are no industries working in the area. The level of dependence on forest is high.
- Income from agriculture is meager. The percentage of irrigated crop area is very small.
- Area falls in the wild life corridor between Panna and Bandhavgarh Tiger reserve.
- Most of the forest is either open forest or degraded forest which needs special treatment.

2.13.7 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations:-

- Effective management to combat biotic pressure - It will be achieved through efficient fire management, regularizing the grazing, control on illicit felling, enhancing fodder, fuel wood, bamboo, small and NTFP production through plantation of selective species.
- Enhancement of forest cover in forest and non forest area - It will be achieved through plantation of suitable species in forest and non forest area.
- Restoration of grasslands.
- Soil and water conservation - It will be achieved through watershed treatment methodology i.e. the treatment from ridge to valley of the watershed.
- Reclamation of abandoned mining areas.
- Reduction in the degree of dependence on forest- Reduction in the degree of dependence on forest will be achieved through promotion of alternate energy resources.

2.13.8 Proposed interventions: -

- Strengthening of Forest department and JFMCs.
- Capacity building of forest personnel as well as JFMC members by organizing JFMC level and Division level workshop and training programmes.
- Appointing Team of Community foresters at JFMC level
- Protection and maintenance activities.
- Livelihood activities.

2.13.9 Cross cutting interventions proposed: -

- Improving fuel-wood efficiency and promoting alternative energy sources

2.13.10 Livelihood improvement activities proposed: -

- Livelihood opportunities -Various livelihood activities such as Dairy Farming, NTFP based livelihoods, Kirana store, sewing machine, Poultry farming, Ecotourism, Dona pattal manufacturing and Fisheries will be taken in all villages.

2.13.11 FY 2018-19 physical and financial progress as per budget allotment: -

Under different submissions of Green India Mission, following progress in FY 2018-19 is made in L 1 Landscape (vii):-

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	South Sagar				South Panna				Bundelkhand	
				Target		Achievement		Target		Achievement		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600										
		a) Advance Work	15840	213	33.66	213	20.54	59	9.35	59	3.62	272.00	24.16
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**213**	**33.66**	**213**	**20.54**	**59**	**9.35**	**59**	**3.62**	272.00	24.16
	) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	16896	152	25.68	152	14.10	303	51.22	303	29.69	455.00	43.79
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**152**	**25.68**	**152**	**14.10**	**303**	**51.22**	**303**	**29.69**	455.00	43.79
		Type B- with limited root stock and open blanks	79200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	74	23.45	74	15.74	214	67.71	214	47.70	288.00	63.44
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**74**	**23.45**	**74**	**15.74**	**214**	**67.71**	**214**	**47.70**	288.00	63.44

	b	Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0	0.00	119	62.84	119	39.21	119.00	39.21
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**119**	**62.84**	**119**	**39.21**	119.00	39.21
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	36960	0	0.00	0	0.00	112	41.21	112	22.11	112.00	22.11
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**112**	**41.21**	**112**	**22.11**	112.00	22.11
Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	a) Rehabilitation of Shifting Cultivation Areas		79200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	b) Restoring Scrublands		132000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Restoring/ planting Sea-buckthorn		264000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	d) Restoration of Mangroves		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

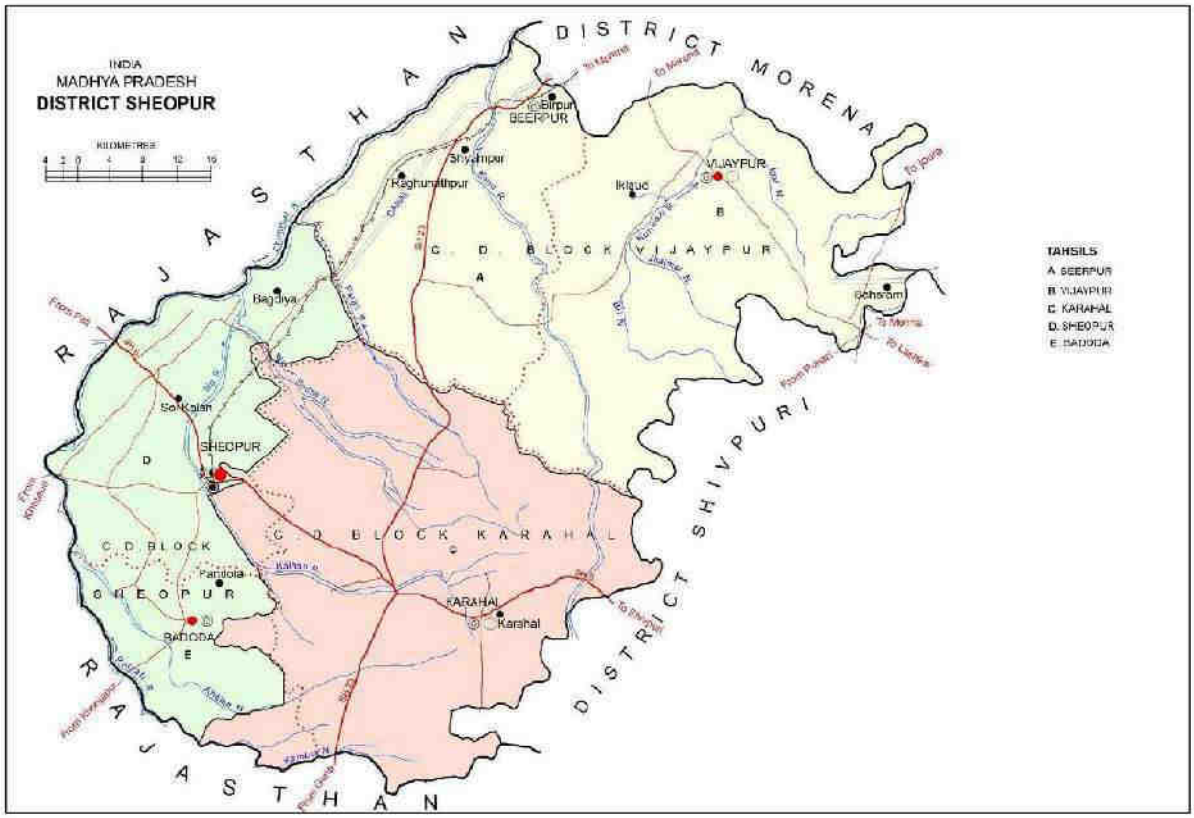
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	e) Ravine reclamation		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
Sub Mission 2: Ecosystem restoration and increase in forest cover	**f) Restoration of adandoned mining area**		264000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	6	5.81	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**6**	**5.81**	**0**	**0.00**	0.00	0.00
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas	**a) Plantation in Urban & Peri-urban areas**		264000	0	33.79	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	32	33.79	32	18.51	0	0.00	0	0.00	32.00	18.51
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**32**	**33.79**	**32**	**18.51**	**0**	**0.00**	**0**	**0.00**	32.00	18.51
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass &	**a) Farmer's land including current fallows**	Farmer's land	52800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	21120	313	66.01	313	38.79	132	27.88	0	0.00	313.00	38.79
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**313**	**66.01**	**313**	**38.79**	**132**	**27.88**	**0**	**0.00**	313.00	38.79

	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	16896	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	68	49.90	68	15.10	34	24.77	34	9.23	102.00	24.33
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**68**	**49.90**	**68**	**15.10**	**34**	**24.77**	**34**	**9.23**	102.00	24.33
Sub Mission 5: Restoration of Wetlands : 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	63360	4	2.53	4	2.63	0	0.00	0	0.00	4.00	2.63
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	12672	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**4**	**2.53**	**4**	**2.63**	**0**	**0.00**	**0**	**0.00**	4.00	2.63

Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	**333**	**10.99**	**0**	**0.00**	**350**	**11.55**	**0**	**0.00**	0.00	0.00
Total A				**855**	**246.02**	**856**	**125.41**	**977**	**302.33**	**841**	**151.56**	1697.00	276.97
Activities Cost				0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
Research (2% of A)				0	4.92	0	3.66	0	6.05	0	0.00	0.00	3.66
Publicity/Media/outreach activities (1% of A)				0	2.46	0	0.03	0	3.02	0	0.00	0.00	0.03
Monitoring and Evaluation (1% of A)				0	2.46	0	0.00	0	3.02	0	0.00	0.00	0.00
Livelihood improvement activities, (17% of A)				0	41.82	0	12.98	0	51.40	0	0.24	0.00	13.22
Strengthening local-level institutions (5 % A)				0	12.30	0	5.00	0	15.12	0	0.00	0.00	5.00
Strengthening FDs (5% A)				0	12.30	0	3.45	0	15.12	0	0.00	0.00	3.45
Mission Organisation, operation and maintenance, contingencies and overheads				0	9.84	0	**0.00**	0	12.09	0	0.00	0.00	0.00
Total B				**0.00**	**86.11**	**0**	**25.12**	**0.00**	**105.82**	**0.00**	**0.24**	0.00	25.36
Grand Total (A+B)				**855**	**332.12**	**856**	**150.53**	**977**	**408.15**	**841**	**151.80**	1697.00	302.33

Chapter 10: 10.1- Landscape details for L 1 Landscape (viii)- Gird: Sheopur Forest Division

In L1 Landscape (viii)- Gird, Sheopur Kalan is located at north- western part of Madhya Pradesh making boundary with Rajasthan state. The district is situated between $25^0$16' to 26^0 9' North latitude and 76^0 36' to 77^0 11' East longitude.



Most of the terrain is generally plain with some undulating hills. The elevation varies from 213 meter above mean sea level to 498 meter above mean sea level. The highest point being Jhadewala hill.The major river of the district is Chambal which has Seep, Padam, Kuno and Asan as its tributary while the Kunwari river of the district directly join Yamuna river. The Chambal & its tributaries form the major drainage pattern. The Chambal river flows along the northern periphery of the district whereas the Parbati, the biggest tributary of Chambal forms the western boundary of the district. The length of the Chambal river is about 250 km. All other rivers which are tributaries of the Chambal are generally flowing from south to north. All these rivers have good amount of water during rainy season but during summer most of them are dry. Most of the area is part of Vindhyan group which possesses sandstone which gives rise to murram soil. This soil has little carbon, nitrogen and humus contents but is rich in potash. The fertility and water holding capacity of this soil is very low. The area lying in valleys and at the lower end of the slopes possesses good fertile soil. Along the banks of Kuno, alluvial soil is distinctly present.

The normal annual rainfall of the district is 944 mm. The district receives maximum rainfall during south-west monsoon period i.e. June to Sept. About 92.1% of the rainfall is received during monsoon period. Only 7.9% of the annual rainfall takes place between October to May period. Thus surplus water for ground water recharge is available only during the monsoon period. The normal maximum temperature recorded during the month of May is 42^0 c and minimum during January is 7.4^0 c. The normal annual means of maximum and minimum temperature of Sheopur- Kalan district is 33^0 c & 18^0 c respectively. About 50% of the geographical area is available for cultivation. About 70 % of the cultivable area in the district is irrigated. Canal is the major source of irrigation which accounts for 42.94% of the total irrigated area. The well-known Kaketa reservoir is located in this district. Wheat is the most important food grain grown in the district whereas mustard is the most important oil seed grown in the district. Major kharif crop is Bajra.

There are two administrative units of the forest department in the district i.e. Sheopur Territorial division and Kuno Palpur wild life division which looks after the famous Kuno wild life Sanctuary .For GIM purpose Sheopur division has been selected.

2.14.1 Forest: -

Most of the forests of Sheopur forest division are dry deciduous forest. As per Champion and Seth classification they are basically in following three categories: -

1. Southern Tropical Dry Deciduous Forest
2. Northern Tropical Dry Deciduous Forest
3. Northern Tropical Thorn Forest

Forest type wise mainly mixed forests are found in Sheopur division, which makes about 52% of the total forest type of the division. Apart from this patch of Dhawda, Khair, Kardhai and Salai forests are also present. The prominent species of this division are Dhawda Palas, Kardhai, Salai, Mahua, Kullu in the top canopy. Middle canopy is occupied by Ber, Ghont, Khair, Remjha etc. Division has got very good grasslands and Panwar, Guner, Kel, Machoi, Lampa and Lapusari are the main grasses. Teak species is present in very small area of Southern Karahal. Commercially khair is the most important species of the division and khair tree used to be supplied to industries for kattha preparation. The distribution of forest area in the division is as follows:-

Reserve forest	Protected Forest	Unclassified Forest	Total (ha.)
228331.36	43612.38	128.23	272071.97

2.14.2 Wildlife: -

The rich biodiversity and geological formations of Sheopur division provides suitable habitat for various wild animals. The division is adjoining to Kuno Palpur Sanctuary which is being developed as second home to Gir Lions. The main mammal species found in the area are Leopard, Sloth bear, Jackal, Hyena, Spotted Deer, Chinkara, Barking Deer, Sambhar, Neel Gai , Black Buck etc. Grey Pelican, Little Cormorant, Darter, Grey Heron, Nakta, Common Teal, Ring Dove , Golden Backed Woodpecker are the prominent bird species found in the area.

2.14.3 Dependence on Forest:-

The people of Sheopur have long and deep association with forest and forest produce. The art of wood carving has flourished in the district and beautifully embellished wooden ceiling, doors and intel's with finely carved designs are silent testimony of its glory. The wood carvers of Sheopur with great sensitivity and skill transform different varieties of wood into attractive items. The craft persons of Sheopur make pipes, masks, toys, doors, stands, windows, wooden memorials, flower vases, bed posts and cradle posts etc.

There are 516 village in the district out of which 167 villages are situated within 5 km of the forest boundary. About 50% of agricultural cultivators are marginal farmers who are dependent on MFP collections for their additional income.Tendu Patta, Gum (Salai, Dhawda, Kullu, Khair) Honey, Chironji, Medicinal plants are the various MFPs obtained from the forest.

As per the working plan estimate the annual requirement of the district for timber is 23400 cmt., fuel wood is 20.22 lac qt., Bamboo is 20000 no., and thorny bushes is 48000 Qt. Villages depend heavily on forest to meet their requirements. Sheopur has cattle population of 439249 animals which make 675395 cattle unit whereas the carrying capacity of the forest is only 314053 cattle units. Thus the grazing pressure is tremendous on the forest. Apart from this forest of Sheopur being on the route of migratory cattle's from Rajasthan and U.P. has to bear the extra pressure of these animals in transit.

2.14.4 Joint Forest Management:-

There are 516 village in the district out of which 167 village are situated within 5 km of the forest boundary. To ensure active participation of these villagers in forest protection and management 141 Village Forest Committees and 16 Forest Protection Committees have been constituted and an area of 846.22 sq. km. has been assigned to these committees.

2.14.5 L-2 Landscapes selected in Sheopur District:-

Following 02 milli watersheds of the division have been selected as L2 landscapes: -

Table 165 – Sheopur L 2 milli watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1	2D1B8j	69.079	4491.6	484.464	5045.14	0	5045.14
2	2D1B8t	0	3778.48	902.77	4681.25	1348.25	6029.5
Total		**69.079**	**8270.08**	**1387.234**	**9726.39**	**1348.25**	**11074.64**

Figure: 111- Details of selected L 2 Landscape: Milli-watershed detail

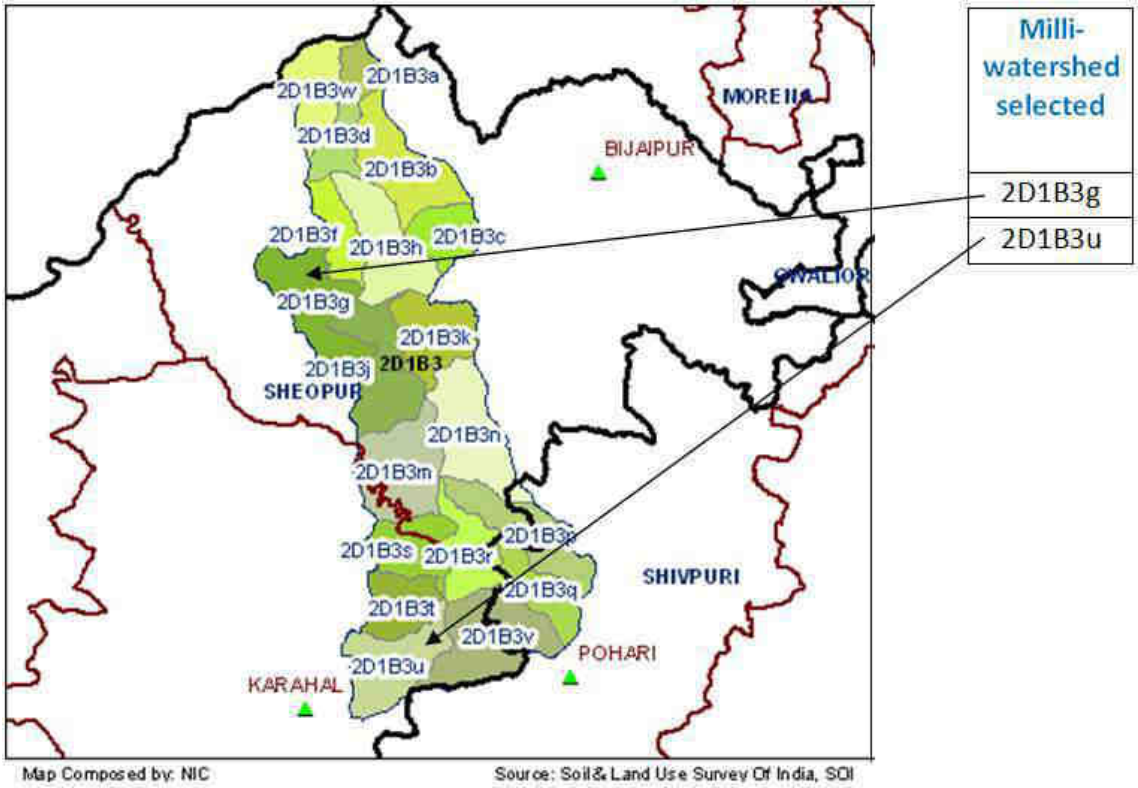
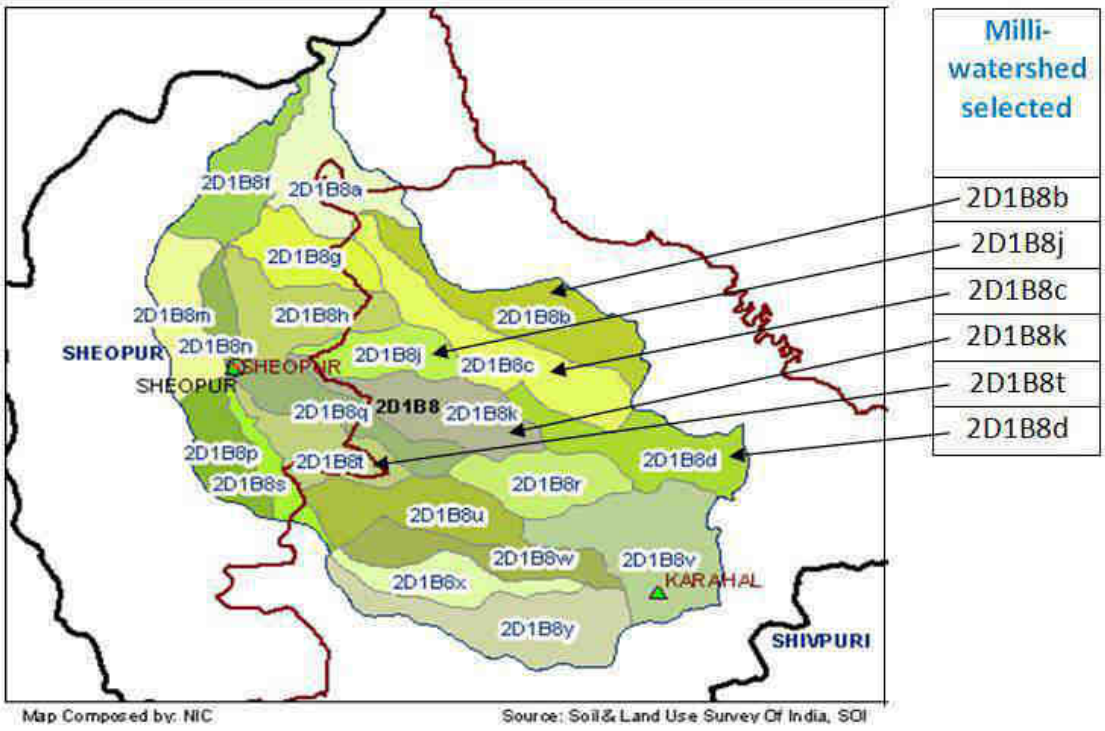


Figure: 112- Details of selected L 2 Landscape: Milli-watershed detail



Thus, the milli watersheds selected as L2 landscapes in Sheopur division have an area of 11074.64 ha. These 02 milli-watersheds are the operational units for implementation of GIM. The 02 milli watersheds possess forest and only one does not possess non forest area. These 02 milli watersheds have 8 micro watersheds out of which 04 micro watersheds have forest as well as non forest area both. The forest area in the milli –watersheds is largely open forest which needs measures to regenerate it into a dense forest.

2.14.6 L3 landscapes selected in Sheopur District:-

The 02 milli-watershed selected as L2 landscapes have further been divided into total 8 micro-watersheds which are the working unit of the GIM. The milli-watershed wise description of these micro-watersheds is as follows: -

2.14.6.1 Milli-watershed no. 2D1B8j:-

The micro-watersheds selected in this milli-watershed are as follows: -

Table 166 – Sheopur L 2 milli watershed 2D1B8j details

No.	Micro-water-shed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2D1B8j1	64.591	1402.626	48.499	1515.716	0	1515.716
2.	2D1B8j2	0	801.103	237.233	1038.336	0	1038.336
3.	2D1B8j3	4.488	1086.179	100.713	1191.38	0	1191.38
4.	2D1B8j4	0	1201.688	98.019	1299.707	0	1299.707
Total		**69.079**	**4491.596**	**484.464**	**5045.139**	**0**	**5045.139**

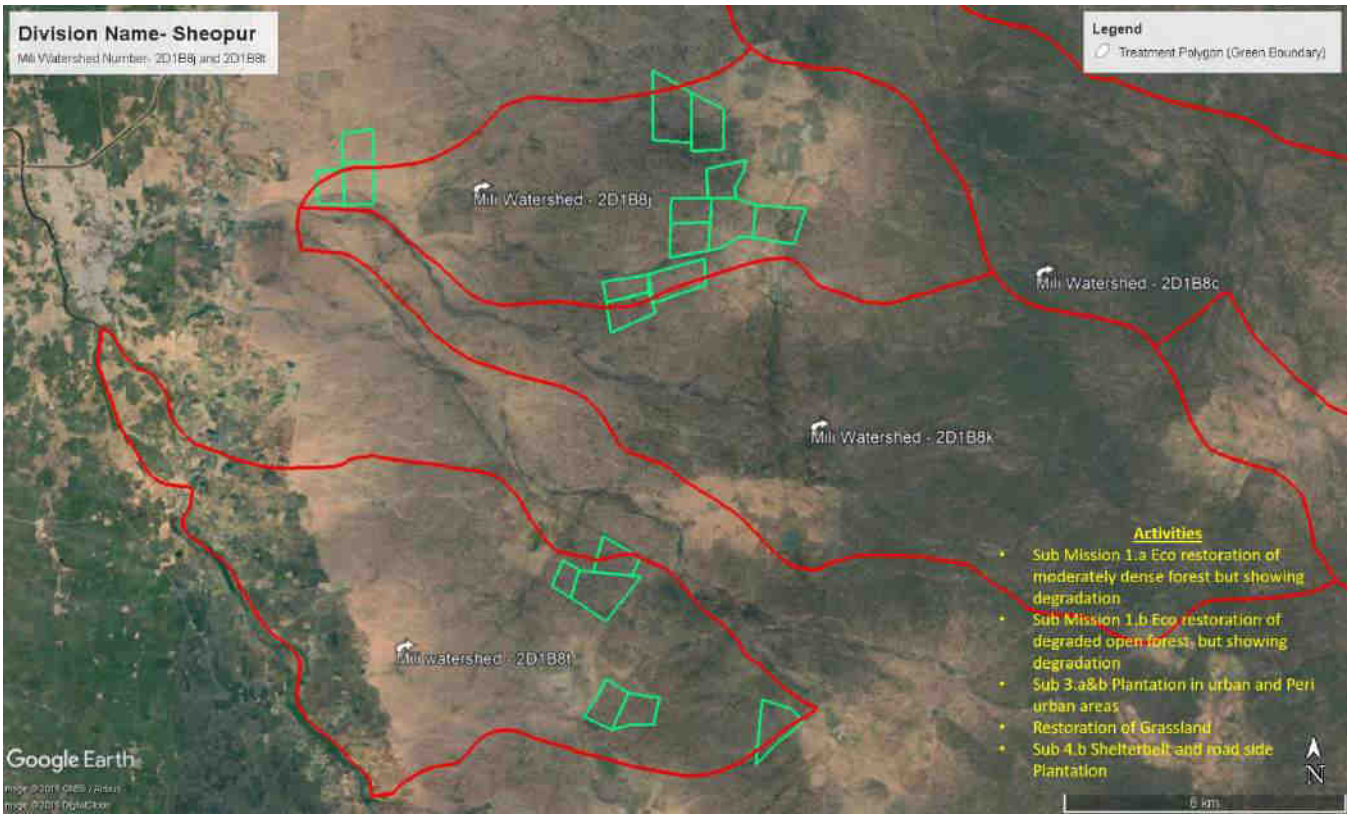
2.14.6.2 Milli-watershed no. 2D1B8t:-

The micro-watersheds selected in this milli-watershed are as follows: -

Table 167 – Sheopur L 2 milli watershed 2D1B8j details

No.	Micro-water-shed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense For-est	Open Forest	Blank Forest	Total		
1.	2D1B8t1	0	270.486		270.486	571.691	842.177
2.	2D1B8t2	0	672.379	62.103	734.482	449.278	1183.76
3.	2D1B8t3	0	1485.293	245.446	1730.739	30.223	1760.962
4.	2D1B8t4	0	1350.323	595.221	1945.544	297.056	2242.6
Total		**0**	**3778.481**	**902.77**	**4681.251**	**1348.248**	**6029.499**

Figure:113- KML File of the L 3 Landscape under treatment



2.14.7 Demography: -

As per 2011 census data of the district are as follows: -

Total area of the district		6,606 Sq Km
Literacy rate		57.43
No. of villages		582
No. of households		146043
Population	Rural	581930
	Urban	105930
	Total	687861
Population	Male	361784
	Female	326077
	Total	687861
Scheduled caste population		108391
Scheduled tribe population		161448

Block Sheopur:

Sheopur is a Tehsil / Block (CD) in the Sheopur District of Madhya Pradesh. According to Census 2011 information the sub-district code of Sheopur block is 03382. Total area of Sheopur is 1,184 km² including 1,177.99 km² rural area and 6.29 km² urban area. Sheopur has a population of 2,45,981 peoples. There are 51,025 houses in the sub-district. There are about 174 villages in Sheopur block,

Block Karhal:

Karahal is a Tehsil / Block (CD) in the Sheopur District of Madhya Pradesh. According to Census 2011 information the sub-district code of Karahal block is 03384. Total area of Karahal is 2,206 km². Karahal has a population of 1,08,261 peoples. There are 22,277 houses in the sub-district. There are about 114 villages in Karahal block.

Brief Profile of Milli-Watershed (2D1B8t**):**

Table 168 - Sheopur List of Villages

Divisions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compartment No.	Gram Panchayat	Name of the Committee
Sheopur	Sheopur	2D1B8t			Dengda	Dengda jharer Ajnoi dawali Bhela kairka Bhojka Sawadi Sarsila Fathepur Kalithali Mayapura kakardha-Kalmi Panar
					Jharer	
					Bhela	
					kailor	
					Fathepur	
					kakardha	
					kalmee	
					(Data Not found in census2011)	

Table 169 - Sheopur The key demographic information is as below

	Dengda	jharer	Ajnoi	dawali	Bhela	kairka	Bhojka	Sawadi	Sarsila	Fathepur	Kalithali	Mayapura	Kalmi kakardha	Panar
Total Population	2027	1192	354	1808	1308	Data not found in Census 2011	Data not found in Census 2011	Data not found in Census 2011	720	550	Data not found in Census 2011	1856	2529	1087
Male	1038	602	184	983	665				362	292		941	1301	533
Female	989	590	170	825	643				358	258		915	1228	553
Total Households	455	226	74	457	240				132	118		440	527	255
Average members per HHs	4.45	5.27	4.7	3.9	-5.45				5.4	4.6		4.21	4.7	4.25
Child Population (0-6)														
Total Child (0-6years) population	497	257	71	306	253	Data not found in Census 2011	Data not found in Census 2011	Data not found in Census 2011	130	70	Data not found in Census 2011	344	501	237
Male (0-6 years) population	261	129	40	175	130				58	38		171	251	111
Female (0-6 years) population	236	128	31	131	123				72	32		173	250	126

Sex Ratio

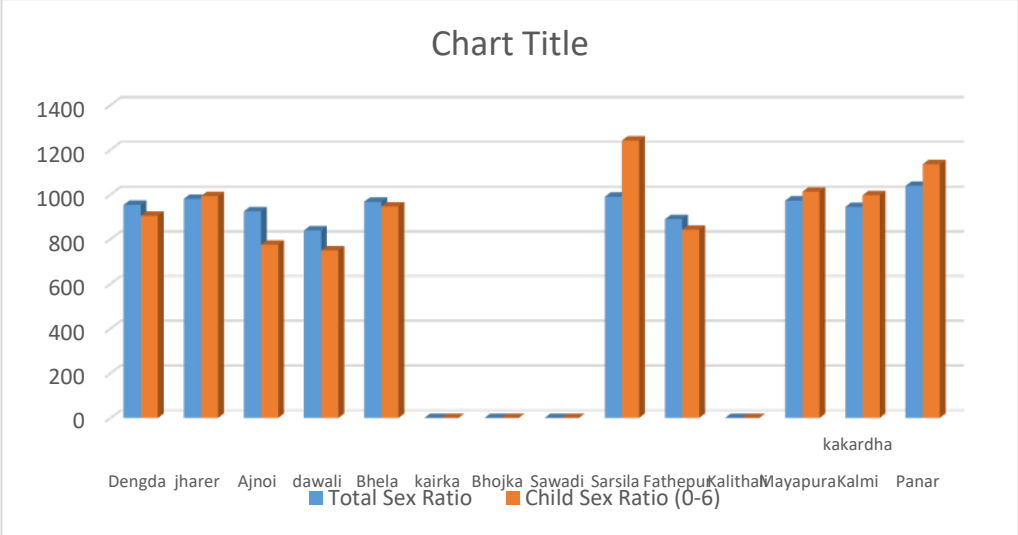
The overall sex ratio of these villages are **949.5**, which implies that there are **949.5** females per 1000 males. The child (0-6 years) sex ratio is Higher then overall sex ratio and it is **959.2** of these villages.

Table 170 – Sheopur v*illagewise details are as follows*

	Dengda	jharer	Ajnoi	dawali	Bhela	kairka	Bhojka	Sawadi	Sarsila	Fathepur	Kalithali	Mayapura	Kalmi kakardha	Panar
Total Sex Ratio	953	980	924	839	967	Data not found in Census 2011	Data not found in Census 2011	Data not found in Census 2011	989	889	Data not found in Census 2011	972	944	1038
Child Sex Ratio (0-6)	904	992	775	749	946				1241	842		1012	996	1135

(Child sex ratio in Ajnoi (775) Dawali (749) and Fathepur (842) are serious matter of concern in social aspects.)

Figure 114: Sex Ratio



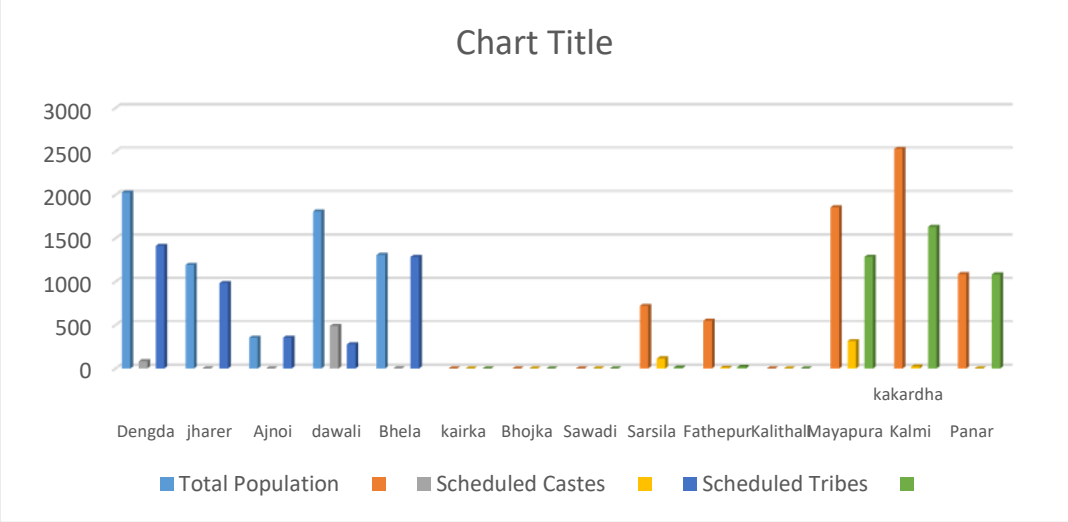
Population composition

The totals STs Population in this village are 8341, which is 62% of the total population. Kalmi Kakardha village has highest percentage of tribal population of 19.55 %.

Table 171 – Sheopur v*illagewise population details are as follows*

	Dengda	jharer	Ajnoi	dawali	Bhela	kairka	Bhojka	Sawadi	Sarsila	Fathepur	Kalithali	Maya-pura	Kalmi ka-	Panar
Total Popula-tion	2027	1192	354	1808	1308	Data not found in Census 2011	Data not found in Census 2011	Data not found in Census 2011	720	550	Data not found in Census 2011	1856	2529	1086
Sched-uled Castes	84	0	0	490	2				116	9		315	22	0
Sched-uled Tribes	1412	983	354	278	1285				11	18		1286	1631	1083

Figure 115: Population Composition



Literacy Rate

The overall literacy rate (7 years and above) of these villages are 50.0 %, in which male literacy is 60.25 % and female literacy is 39.11 % in these villages.

Table 172 – Sheopur *village wise literacy details are as follows:*

	Dengda	jharer	Ajnoi	dawali	Bhela	kairka	Bhojka	Sawadi	Sarsila	Fa-the	Kalithal	Ma-ya-	Kalmi ka-	Panar
Total Literacy	49.93	42.4	41.7	57.32	37.06	-	-	-	56.61	73.96	-	51.26	47.88	42.64
Male	62.29	48.20	50.69	74.01	41.31	-	-	-	72.04	85.04	-	58.96	62.10	47.87
Female	37.18	35.93	32.37	37.90	32.69	-	-	-	40.21	61.50	-	43.26	32.62	37.47

Figure 116: Literacy Rate

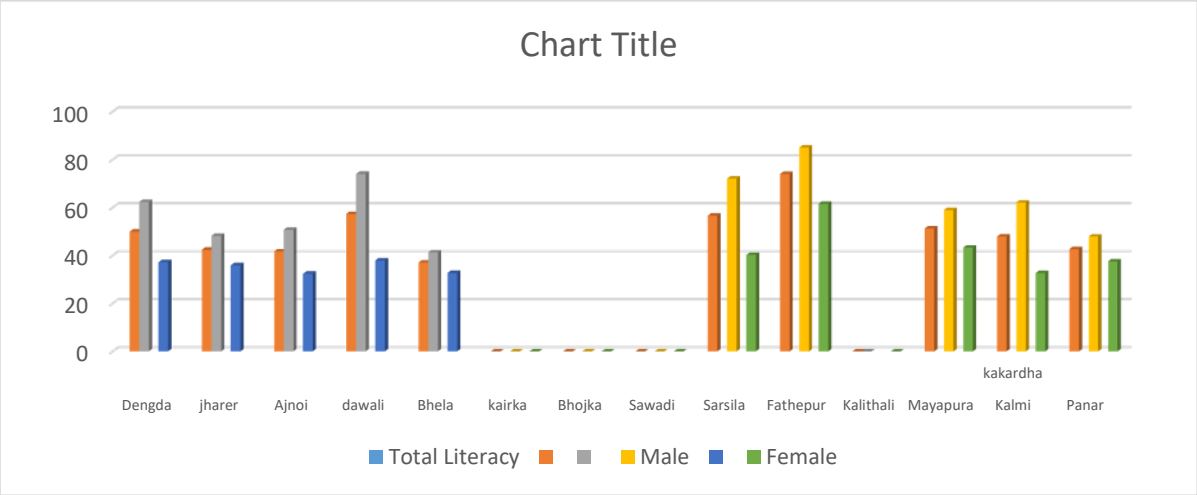


Table 173 – Sheopur Important Statistics relating to works participation

	Dengda	jharer	Ajnoi	dawali	Bhela	kairka	Bhojka	Sawadi	Sarsila	Fathepur	Kalithali	Mayapura	Kalmi kakardha	Panar
Total Workers														
Total	872	327	146	954	646	Data not found in Census 2011	Data not found in Census 2011	Data not found in Census 2011	201	234	Data not found in Census 2011	828	1276	517
Males	520	291	77	505	352				190	163		500	633	255
Females	352	36	69	449	294				11	71		328	643	262
(i) Main Workers														
Total	831	325	85	791	321	Data not found in Census 2011	Data not found in Census 2011	Data not found in Census 2011	196	170	Data not found in Census 2011	671	1256	35
Males	518	289	69	432	321				187	152		454	627	34
Females	313	36	16	359	0				9	18		217	629	1
(ii) Marginal Workers														
Total	41	2	61	161	325	Data not found in Census 2011	Data not found in Census 2011	Data not found in Census 2011	5	64	Data not found in Census 2011	157	20	482
Males	2	2	8	73	53				3	11		46	6	221
Females	39	0	53	90	272				2	53		111	14	261
Non-Workers														
Total	1155	865	208	854	662	Data not found in Census 2011	Data not found in Census 2011	Data not found in Census 2011	519	316	Data not found in Census 2011	1028	1253	569
Males	518	311	107	478	313				172	129		441	668	278
Females	637	554	101	376	349				347	187		587	585	291

SECC List for IPPE2

State:	MADHYA PRADESH	District:	Sheopur	Block:	Karahal	Gram Panchayat:	BHELABHIMLAT

#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\Mother's Name	Deprivation count	Auto Inclusion\Deprivation code	Total Members
	Village:Bhela							
1	AGAD\अगद	M	62	ST	अर्जुन\गुलाब	AI	--,--,--,AI4,--	3
2	AMALA\अमला	M	52	ST	खुजिया\शान्ती	AI	--,--,--,AI4,--	1
3	AMAR SINGH ADI-VASI\अमर सिंह आदिवासी	M	30	ST	रामनाथ\विन्ता	AI	--,--,--,AI4,--	3
4	AMLA\	M	52	ST	\	AI	--,--,--,AI4,--	1
5	AMRITLAL ADI-VASHI\अमुतलाल आदिवासी	M	30	ST	धर्मपाल\रामसासी	AI	--,--,--,AI4,--	4
6	ASHOK\अशोक	M	32	ST	प्रीतम\प्रेम	AI	--,--,--,AI4,--	6
7	BABLU ADI-VASHI\बबलू आदिवासी	M	30	ST	रामचंद\शयारो आदिवासी	AI	--,--,--,AI4,--	5
8	BABU\बाबू	M	54	ST	मन्नू\कल्यानी	AI	--,--,--,AI4,--	8
9	BABU\बाबू	M	47	ST	माधौ\गौता	AI	--,--,--,AI4,--	8
10	BABU ADI-VASI\बाबू आदिवासी	M	34	ST	अग्गा\जागो	AI	--,--,--,AI4,--	1
11	BABULAL\बाबूलाल	M	42	ST	रामलाल\राजो	AI	--,--,--,AI4,--	7
12	BADAL\बादल	M	37	ST	जैत्या\कस्तूरी	AI	--,--,--,AI4,--	7
13	BAJRANG\बजरंग	M	52	ST	घुडिया\लोंग	AI	--,--,--,AI4,--	5
14	BAJU ADI-WASI\बजू आदिवासी	M	56	ST	ऊकार\लाडो	AI	--,--,--,AI4,--	2
15	BALKISHAN ADI-VASI\बालकिशन आदिवासी	M	50	ST	मांग्या\बटेरी	AI	--,--,--,AI4,--	4
16	BALRAM\बलराम	M	34	ST	कांशी\गुलाब	AI	--,--,--,AI4,--	7
17	BHIMA ADI-VASI\भीमा आदिवासी	M	34	ST	जग्गू\नाथी	AI	--,--,--,AI4,--	3
18	BIRJU ADI-VASI\बिरजू आदिवासी	M	28	ST	रघुनाथ\कमली	AI	--,--,--,AI4,--	5
19	BRIJMOHAN ADI-WASI\ब्रजमोहन आदिवासी	M	31	ST	रामचरन\कंचन बाई	AI	--,--,--,AI4,--	5

2.14.8 Reason for selection of L2 landscapes:-

- Area is under severe pressure of heavy erosion. The issue of erosion becomes much more problematic due to very heavy pressure of grazing. About 6 lac cattles go for grazing into forest during rainy season.

- Area is in a dry zone. Forest land is under severe pressure due to excess grazing and fuel wood removal. Due to severe biotic pressures forest area is prone to degradation and habitat fragmentation.

- Area is in the proximity of Ranthambhor tiger reserve and Kuno wild life sanctuary.The area is frequented by tigers, leopards and other wild animals.

- Area is very rich in biodiversity, hence its conservation is crucial for conservation of biodiversity in this landscape. The area contains endangered plant as well as animal species.

- Area is home of many central Indian aboriginals including Sahariya primitive tribe.

- The area is of ecological importance area and falls in the catchment of river Kuno and Chambal, which is lifeline of districts Sheopur, Shivpuri, Morena of Madhya Pradesh therefore conservation of catchment is necessary to maintain the ground water level.

- Large proportion of the population in the area is living below poverty line. The livelihood opportunities are less. Income from Agriculture is meager .There are negligible industries in the area. Hence people are largely dependent on subsistence farming and forests for their survival. Farming being largely rain fed peoples are heavily dependent on the forest resources. Hence there is huge biotic pressure upon the forest and ecology of the area. The level of dependence on forest is high.

2.14.9 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations:-

- Effective management to combat biotic pressure - It will be achieved through efficient fire management, regularizing the grazing, control on illicit felling, enhancing fodder, fuel wood, bamboo, small and NTFP production through plantation of selective species.

- Enhancement of forest cover in forest and non-forest area - It will be achieved through plantation of suitable species in forest and non-forest area. Open forest to be given priority in treatment. Restoration of degraded open forest area will be undertaken with the participation of local community. The model of reforestation will be such as to fulfill the local needs of fuel wood, fodder and small timber. Promotion of tree cover outside forest under various models of agro forestry will be promoted to reduce forest dependence.

-Restoration of grassland to be taken on large scale. Grassland development and fodder plantations will be under taken in degraded open forest areas.

- Soil and water conservation - It will be achieved through watershed treatment methodology i.e. the treatment from ridge to valley watershed.

- Reduction in the degree of dependence on forest- Reduction in the degree of dependence on forest will be achieved through promotion of alternate energy resources such as biogas, solar devices, LPG and other fuel-efficient devices.

- Livelihood opportunities -Various livelihood activities such as, Dairy Farming, NTFP based livelihoods, sewing machine, Poultry farming, Dona pattal manufacturing shall be assisted. Value addition of the minor forest produce to be facilitated.

2.14.10 Proposed interventions: -

- Meeting energy needs through clean and alternative sources like Bio gas, solar energy, LPG, will be encouraged among the poor households to reduce the fuel wood requirements.

- Strengthening of Forest department and JFMCs by organizing JFMC level and Division level workshop and training program. Training will be provided to field staff and members on PRA, micro-planning, watch and ward activities and on establishing convergence.

- Protection and maintenance activities- The maintenance and protection of existing forest cover is of as much importance as encouraging the new plantation and treatment of degraded area. Cooperation of local communities to be ensured for forest protection.

2.14.11 Cross cutting interventions proposed: -

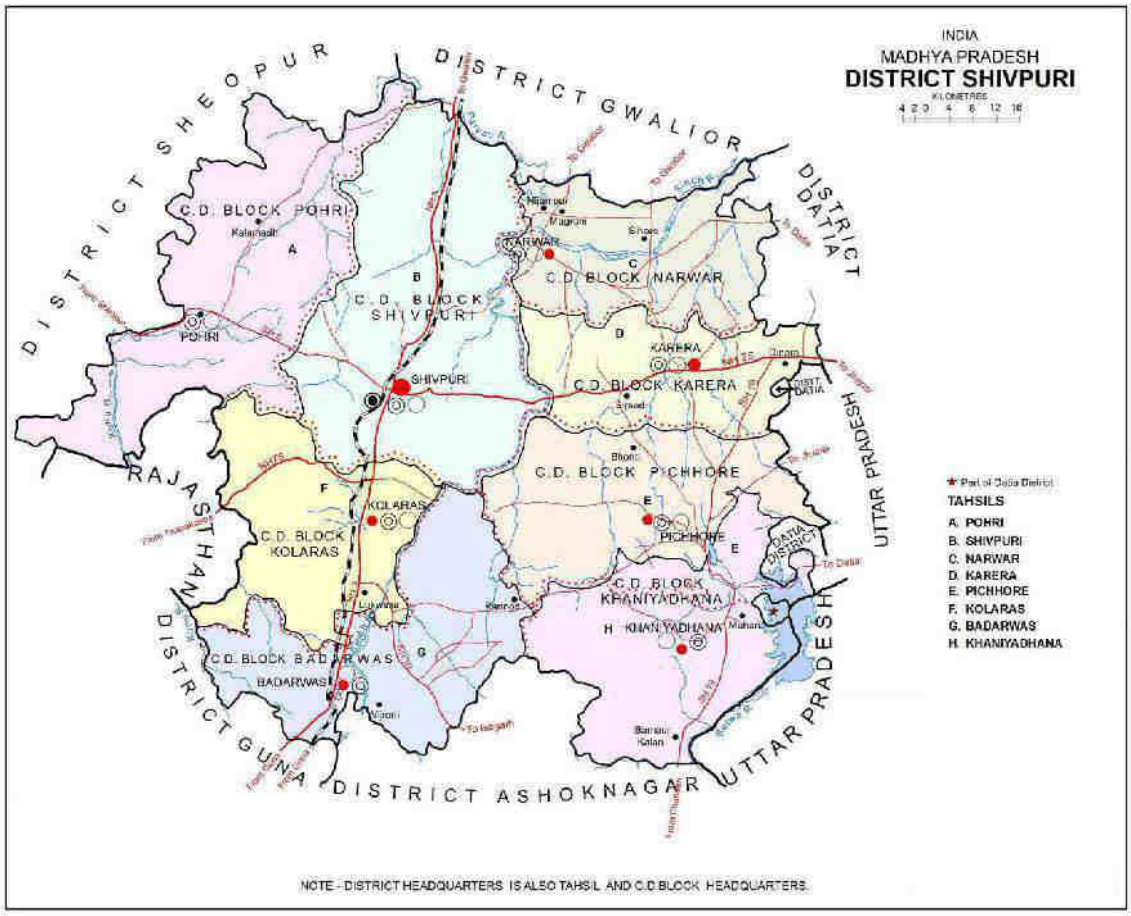
- Improving fuel-wood efficiency and promoting alternative energy sources.
- Convergence with other development and social security activities going on the area.

2.14.12 Livelihood improvement activities proposed:-

Dairy farming, NTFP based livelihoods, Sewing machine training, Poultry farming.

Chapter 10: 10.2- Landscape details for L 1 Landscape (viii)- Gird: Shivpuri Forest Division

In L 1 Landscape (viii)- Gird, Shivpuri district is situated in the northern part of the Madhya Pradesh and covers an area of about 10066 sq. km. It lies between North Latitude $24^0$40' to $26^0$05' and East longitude $77^0$01' to $78^0$29'.



Shivpuri district is situated on the northern part of Vindhyan plateau whose western part is extension of Malwa plateau which lack trappean cover, but over a small portion in south-west part of the district, it has basalt. The eastern plateau of the district is a lower plateau. The whole district is divided into 5 geographical formations: -

- Western Plateau
- Lower Bundelkhand Plateau
- Betwa Valley
- Sindh Valley
- Kuno Valley

Betwa & Sind Rivers flowing northerly forms the major drainage in the eastern and central parts and river Kuno is another major river in the western parts. The district falls in the Yamuna basin. The district can be divided into four sub basins.

– Parwati Sub basin –

The Sind – Parwati sub basin of the Chambal River is in Yamuna basin. River Parwati flows west to east and forms the northern boundary of the district. The general topography is hilly and sloping toward North & West.

- Sind – Kuno Sub Basin-

The River Kuno flows from south to north forms western boundary of the district. The general slope is south – east to north – west i.e. towards Sind River.

- Sind – Betwa Sub Basin-

River Betwa flows from SW to NE and forms eastern boundary of the district. The general slope is towards NE.

- Sind – Mahuar Sub Basin –

The River Mahuar crosses the hilly area at an elevation of 296.91 m above MSL after flowing from south to north in Pichor block enters into Karera block at village Bardi. The general slope of the sub basin is towards North.

Apart from above rivers there are more than 250 old water tanks (talab) in Shivpuri district which are major source of irrigation in the district. Recently a big dam, Madikheda Dam, constructed over Sindh river has also become operational.

The district is generally covered with sandy clay soil derived from the weathering of Bundelkhand granites and the Vindhyan formations. The southern part of the district is covered by the black cotton soils derived by the weathering of the Deccan trap formation. Depth of the soil varies from paper-thin to 15m. The color of the sandy soil is light yellow to yellowish brown. The central and southern parts of the district are covered by lateritic soil of dark brown to yellowish brown in color. Alluvium is found all along the major and minor rivers, it consists of gravel, silt, sand and pebble. General climate is subtropical with extreme of hot season. The main geological formations are Vindhyan. Average rain fall in the area is 861 mm. Most of the area of division is plain with the altitude in general about 350 meter above mean sea level. Average maximum temperature is 33.15^0 C and average minimum temperature is 16.32^0 C.

2.15.1 Forest: -

Forests of Shivpuri forest division are mainly dry deciduous forest. As per Champion and Seth classification they are basically in following three categories: -

1-Dry Teak Forest
2-Northern Tropical Dry Mixed Deciduous Forest
3-Ravine Thorn Forest

Northen tropical dry mixed deciduous forest is the main type. Forest type wise mainly mixed forests are found in Shivpuri division. Apart from this patch of Dhawda, Khair, Kardhai and Salai forests are also present. The prominent species of this division are Dhawda Palas, Kardhai, Salai, Mahua, Kullu in the top canopy. Middle canopy is occupied by Ber, Ghont, Khair, Remjha etc. Division has got very good grasslands in the form of old grassbirs and Panwar, Guner, Kel, Machoi, Lampa and Lapusari are the main grasses. Teak species is present in very small area of Pohri range. Commercially khair is the most important species of the division and khair tree used to be supplied to industries for kattha preparation. Except in Pohri range the regeneration status in the forest is inadequate. No bamboo forest is present in Shivpuri division which is rich in pasture lands. There are about 82 grassbirs in the division which are potential source of good fodder in the district. District is also a prominent centre for MFP trade.The important medicinal plants present in the district are Satawar, Kalihari, Safed Musli, Harsingar, Shankhpushpi, Indigo, etc. The distribution of forest area in the division is as follows: -

Reserve forest	Protected Forest	Unclassified Forest	Total (ha.)
153762.09	148594.28	0	302356.37

2.15.2 Wildlife: -

The rich biodiversity and geological formations of Shivpuri division provides suitable habitat for various wild animals. The division is adjoining to Madhav National Park which used to be hunting ground for earstwhile rulers of Gwalior state. Even now presence of tiger is occasionally reported in the forest of Satanwara and Pohri. The other main mammal species found in the area are Leopard, Sloth bear, Jackal, Hyena, Spotted Deer, Chinkara, Barking Deer, Sambhar, Neel Gai, Black Buck etc. Grey Pelican, Little Cormorant, Darter, Peafowl, Myna, Partridge, Coots, Vulture, Grey Heron, Nakta, Common Teal, Ring Dove, Golden Backed Woodpecker are the prominent bird species found in the area. In Shivpuri division

there is one Karera bird sanctuary also which was established for the conservation of Son chirraya (Great Indian Bustard) bird.This sanctuary is completely in nonforest area but now the sighting of the Son chirraya bird has become very rare.

2.15.3 Dependence on Forest: -

There are 1305 revenue villages in Shivpuri district out of which 983 villages are situated within 5 km. periphery of the forest area. According to working plan estimates following forest produce are required to meet the annual demand of the population: -

Table 174 – Shivpuri annual demand for forest produce

Sr No.	Item	Annual Requirement
1	Timber	28050cmt.
2	Fuelwood	20.40 lac qt.
3	Bamboo	34000 no.
4	Fodder	137.70 lac qt.
5	Thorny Bushes	1.36 lac qt.

Villagers require thorny bushes for fencing their agricultural fields and this is being provided as per nistar right.Demand of forest produce is huge but the forests of the district are unable to meet this demand. Similarly, for fodder also the difference between demand and supply is tremendous. There are 1083214 cattle in the district which make 1328718 cattle units whereas the grazing carrying capacity of the forest is only 451283 cattle units. Therefore, the grazing pressure is 3 times more and this has put a great impact on the health of the forest also. Apart from this Shivpuri is on the scheduled path of migratory cattle coming from Rajasthan state and every year lacs of cattle migrates through these paths which put additional pressure on the forest.

2.15.4 Joint Forest Management: -

There are 1305 village in the district out of which 940 villages are situated within 5 km of the forest boundary. To ensure active participation of these villagers in forest protection and management 336 Village Forest Committees and 57 Forest Protection Committees have been constituted and an area of 1062 sq. km. has been assigned to these committees.

2.15.5 L-2 Landscapes selected in Shivpuri District: -

Following 02 milli watersheds of the Shivpuri division have been selected as L2 landscapes: -

Table 175 – Shivpuri L 2 milli watershed details

No.	Milli-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C3D1g	1473.843	2466.24	297.028	4237.111	519.334	4756.445
2.	2C3D2g	0	0	2968.335	2968.335	2279.483	5247.818
Total		**1473.843**	**2466.24**	**3265.363**	**7205.446**	**2798.817**	**10004.263**

Thus, the milli watersheds selected as L2 landscapes in Shivpuri division have an area of 10,004.263 ha. These 02 milli-watersheds are the operational units for implementation of GIM. All the 02 milli watersheds possess forest as well as non-forest area. These 02 milli-watersheds have 13 micro watersheds which have forest as well as non-forest area. The forest area in the milli –watersheds is largely open forest and blank forest which needs measures to regenerate it into a dense forest.

Figure: 117- Details of selected L 2 Landscape: Milli-watershed detail

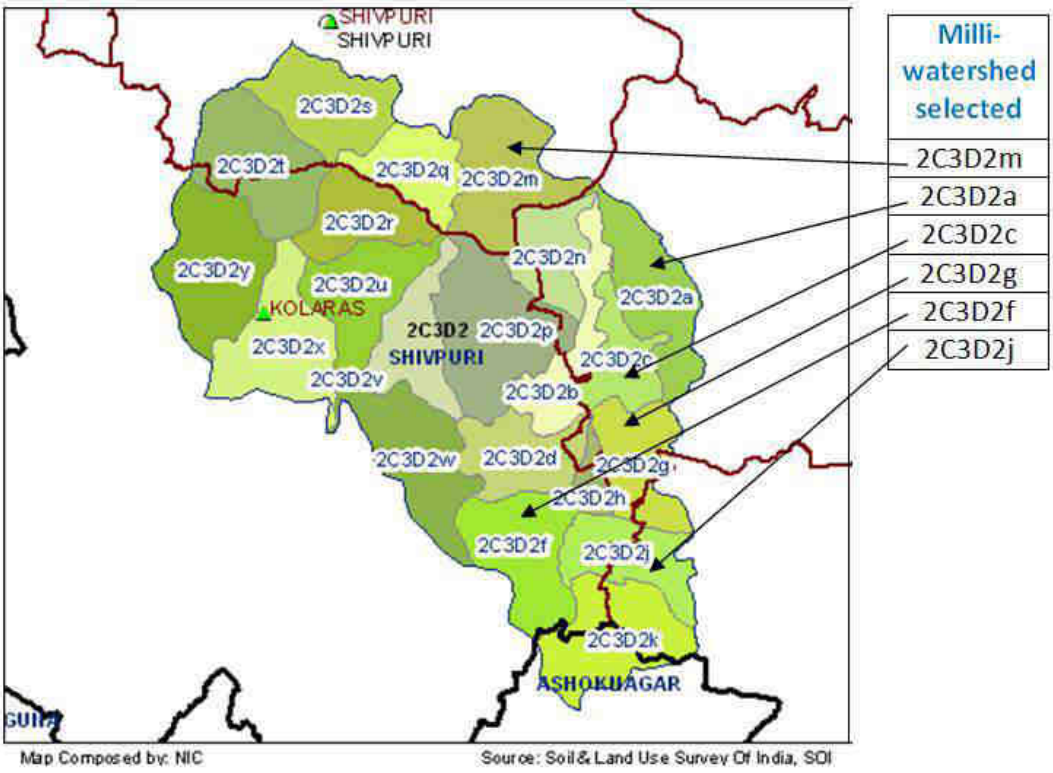


Figure: 118- Details of selected L 2 Landscape: Milli-watershed detail

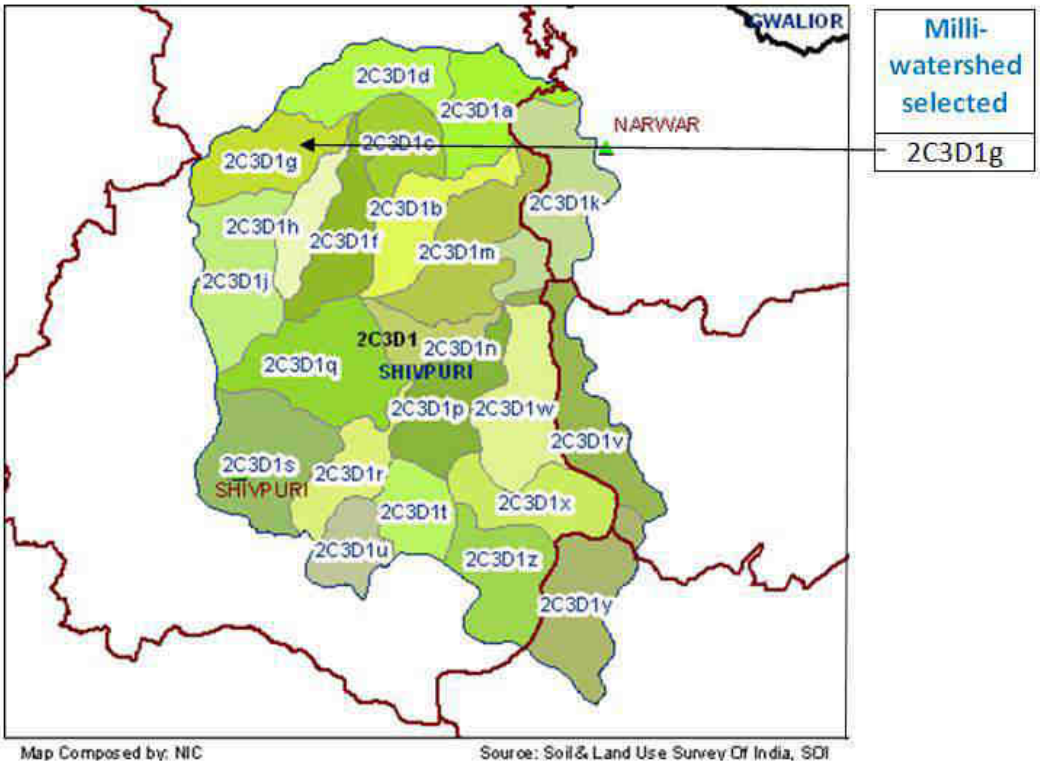
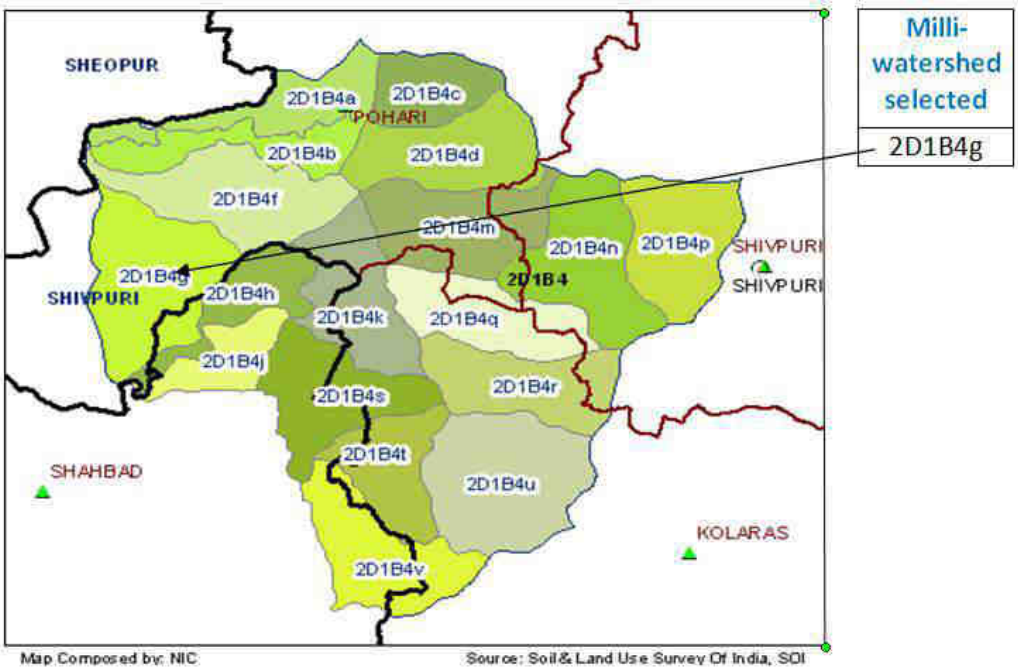


Figure: 119- Details of selected L 2 Landscape: Milli-watershed detail



2.15.6 L3 Landscapes selected in Shivpuri District.

The 02 milli-watershed selected as L2 landscapes have further been divided into total 13 micro-watersheds which are the working unit of the GIM. The milli-watershed wise description of these micro-watersheds is as follows: -

2.15.6.1 Milli-watershed no. 2C3D1g: -

The micro-watersheds selected in this milli-watershed are as follows: -

Table 176 – Shivpuri L 2 milli watershed 2C3D1g details

No.	Micro-water-shed No.	Forest Area				Non-Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C3D1g1	124.374	158.165	18.52	301.059	14.511	315.57
2.	2C3D1g2	582.894	270.878	0.534	854.306	78.282	932.588
3.	2C3D1g3	2.971	60.494	14.012	77.477	377.81	455.287
4.	2C3D1g4	272.37	390.706	10.107	673.183	0	673.183
5.	2C3D1g5	380.364	839.562	46.172	1266.098	1.493	1267.591
6.	2C3D1g6	110.87	746.435	207.683	1064.988	47.238	1112.226
Total		**1473.843**	**2466.24**	**297.028**	**4237.111**	**519.334**	**4756.445**

2.15.6.2 Milli-watershed no. 2C3D2g:-

The micro-watersheds selected in this milli-watershed are as follows:-

Table 177 – Shivpuri L 2 milli watershed 2C3D2g details

No.	Micro-watershed No.	Forest Area				Non Forest Area	Total Area (ha.)
		Dense Forest	Open Forest	Blank Forest	Total		
1.	2C3D2g1	0	0	518.561	518.561	397.986	916.547
2.	2C3D2g2	0	0	347.605	347.605	87.82	435.425
3.	2C3D2g3	0	0	662.379	662.379	80.153	742.532
4.	2C3D2g4	0	0	491.002	491.002	193.926	684.928
5.	2C3D2g5	0	0	195.277	195.277	232.393	427.67
6.	2C3D2g6	0	0	212.085	212.085	498.876	710.961
7.	2C3D2g7	0	0	541.426	541.426	788.329	1329.755
Total		**0**	**0**	**2968.335**	**2968.335**	**2279.483**	**5247.818**

Figure:120- KML File of the L 3 Landscape under treatment

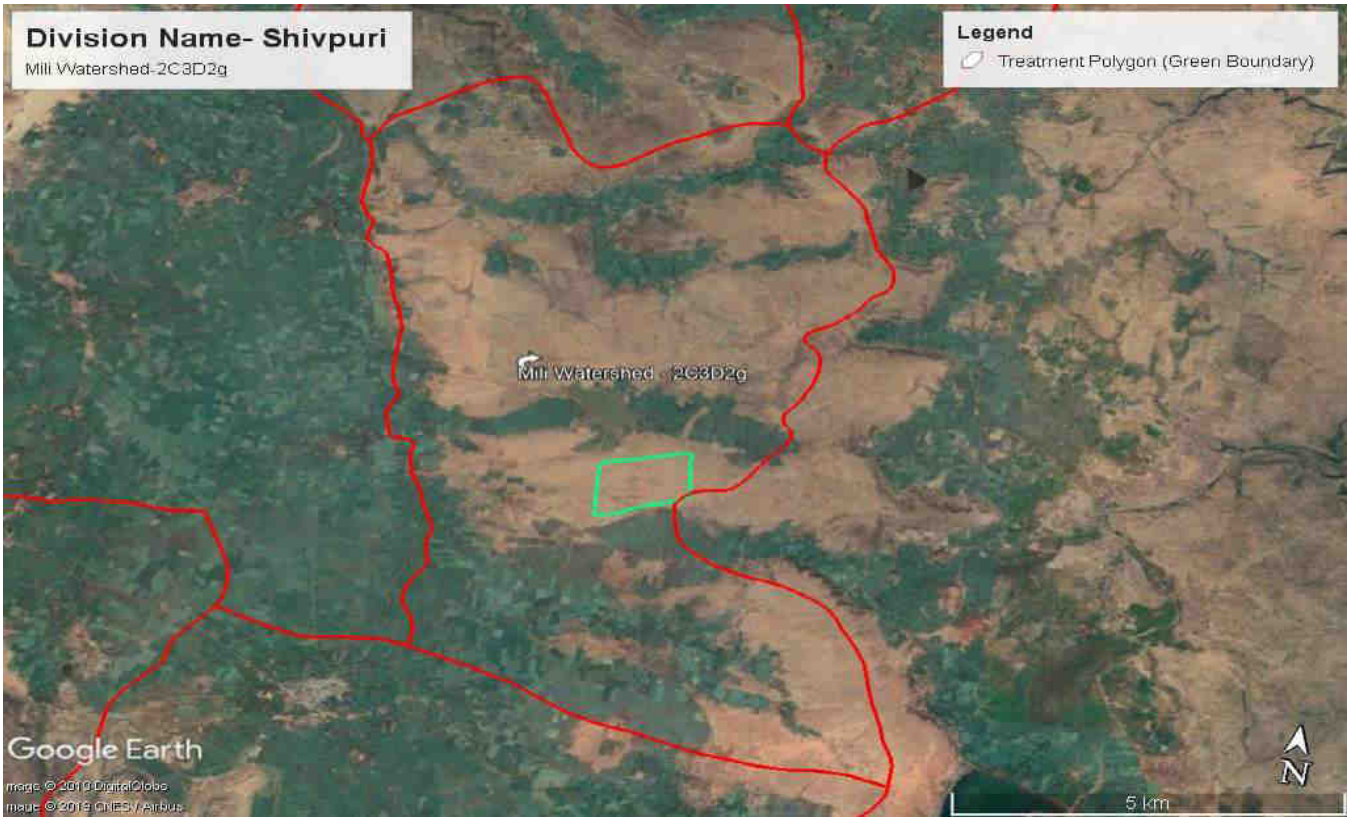
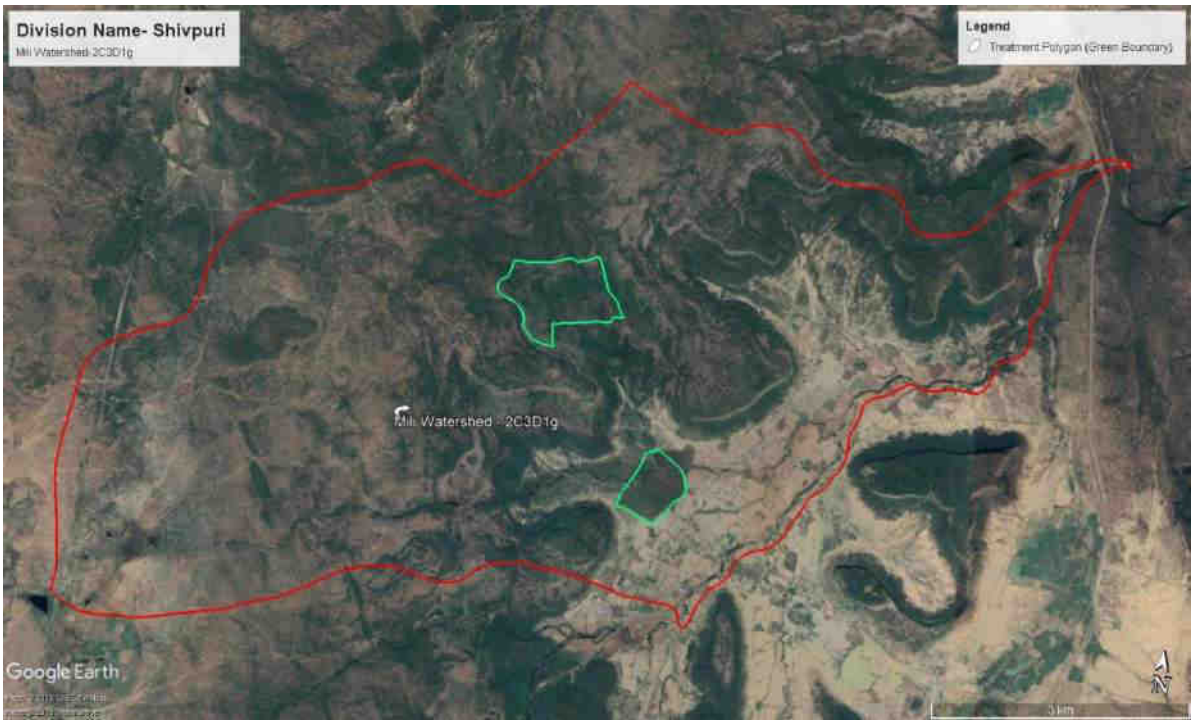


Figure:121- KML File of the L 3 Landscape under treatment



2.15.7 Demography: -

As per 2011 census data of the district are as follows: -

Total area of the district		10066 Sq.Km
Literacy rate		62.5
No. of villages		1417
No. of households		359969
Population	Rural	1430627
	Urban	295423
	Total	1726040
Population	Male	919795
	Female	806255
	Total	1726040
Scheduled caste population		321515
Scheduled tribe population		227802

Shivpuri:

Shivpuri is a Tehsil / Block (CD) in the Shivpuri District of Madhya Pradesh. According to Census 2011 information the sub-district code of Shivpuri block is 03408. Total area of Shivpuri is 1,937 km² including 1,856.23 km² rural area and 81.11 km² urban area. Shivpuri has a population of 3,40,852 peoples. There are 66,519 houses in the sub-district. There are about 214 villages in Shivpuri block,

1.21 Population of Shivpuri Block

As per Census 2011, Shivpuri's population is 340852. Out of this, 181336 are males while the females count 159516 here.

1.22 Literacy rate of Shivpuri

The total literacy rate of Shivpuri district was 62.55% in 2011 which is less than average literacy rate 69.32% of Madhya Pradesh. Population-wise, out of total 900,846 literates, males were 573,242 while females were 327,604. Also the male literacy rate was 74.56% and the female literacy rate was 48.79% in Shivpuri district.

Brief Profile of Milli-Watershed (2C3D1g):

Table 178 – Shivpuri List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Villages Included in Water shade	Compart-ment No.	Gram Pancha-yat	Name of the Committee (JFMC's)
Shivpuri	Sa-tanwada	2C3D1g	Bilokho	655, 962, 666	Bilokho	Bilokho

Table 179 – Shivpuri the key demographic information is as below

	Bilokho
Total Population	433
Male	234
Female	199
Total Households	89
Average members per HHs	4.8
Total Child (0-6years) population	83
Male (0-6 years) population	42
Female (0-6 years) population	41

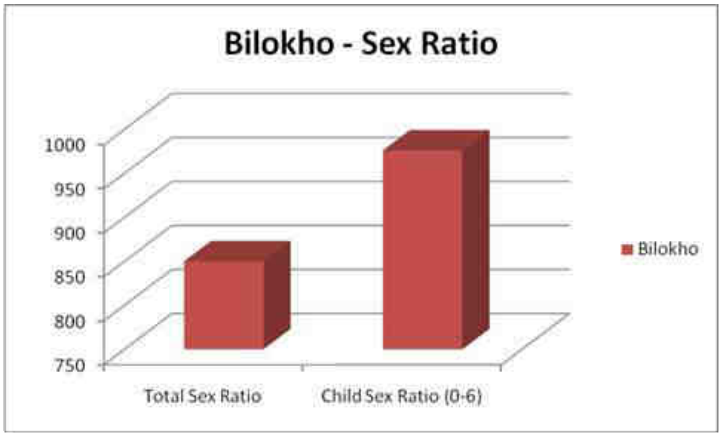
Sex Ratio

In BiloKho village population of children with age 0-6 is 83 which makes up 19.17 % of total population of village. Average Sex Ratio of BiloKho village is 850 which is lower than Madhya Pradesh state average of 931. Child Sex Ratio for the BiloKho as per census is 976, higher than Madhya Pradesh average of 918.

Table 180 – Shivpuri *village wise sex ratio details are as follows*

	Bilokho
Total Sex Ratio	850
Child Sex Ratio (0-6)	976

Figure 123: Sex Ratio



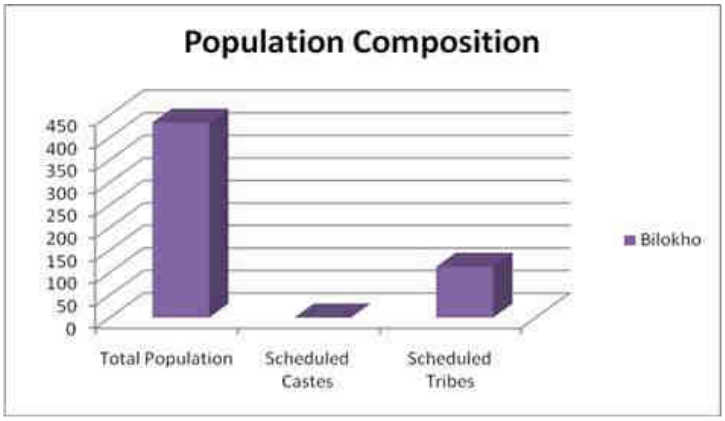
Population composition

BiloKho is a medium size village located in Shivpuri Tehsil of Shivpuri district, Madhya Pradesh with total 89 families residing. The BiloKho village has population of 433 of which 234 are males while 199 are females as per Population Census 2011. The totals STs Population in this village are 113, which is 26.09% of the total population.

Table 181 – Shivpuri *Villagewise details are as follows*

	Bilokho
Total Population	433
Scheduled Castes	0
Scheduled Tribes	113

Figure 124: Population Composition



Literacy Rate

BiloKho village has lower literacy rate compared to Madhya Pradesh. In 2011, literacy rate of BiloKho village was 54.29 % compared to 69.32 % of Madhya Pradesh. In BiloKho Male literacy stands at 66.67 % while female literacy rate was 39.24 %.

Table 182 – Shivpuri v*illage wise literacy details are as follows:*

	Bilokho
Total Literacy	54.29%
Male	66.67%
Female	39.24%

Figure 125: Literacy Rate

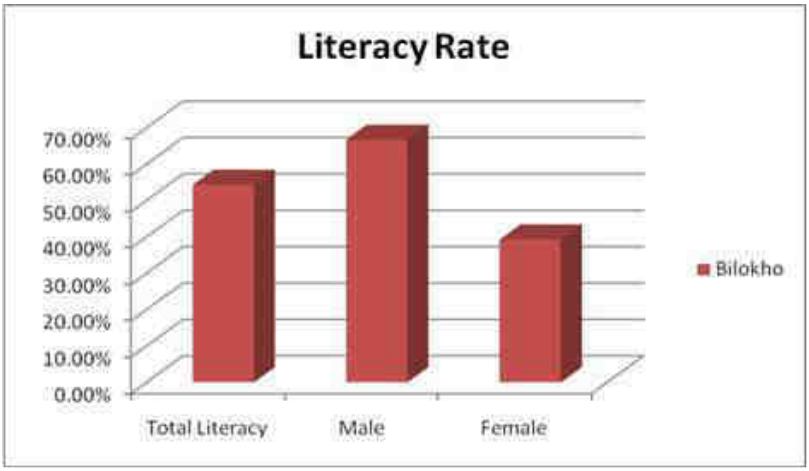


Table 183 – Shivpuri Important Statistics relating to works participation

	Bilokho
Total Worker	
Total	125
Male	109
Female	16
(i) Main Worker	
Total	117
Male	107
Female	10
(ii) Marginal Worker	
Total	8
Male	2
Female	6
Non-Worker	
Total	308
Male	125
Female	183

Brief Profile of Milli-Watershed (2C3D2g):

Table 184 -Shivpuri List of Villages

Divi-sions Name	Name of the Range	Milli Water Shade Code	Name of Vil-lages Included in Water shade	Com-part ment No.	Gram Pan-chayat	Name of the Committee
Shivpuri	Pichora	2C3D2g	Tijarpur	1111, 1114, 1117	Tijarpur	Tijarpur

Tijarpur village is located in Pichhore Tehsil of Shivpuri district in Madhya Pradesh, India. It is situated 37km away from sub-district headquarter Pichhore and 71km away from district headquarter Shivpuri. As per 2009 stats, Tijarpur village is also a gram panchayat.

The total geographical area of village is 228.36 hectares. Tijarpur has a total population of 1,683 peoples. There are about 375 houses in Tijarpur village. Pichhore is nearest town to Tijarpur which is approximately 37km away.

Table 185 – Shivpuri the key demographic information is as below

	Tijarpur
Total Population	1683
Male	892
Female	791
Total Households	375
Average members per HHs	4.5
Child Population (0-6)	
Total Child (0-6years) population	329
Male (0-6 years) population	174
Female (0-6 years) population	155

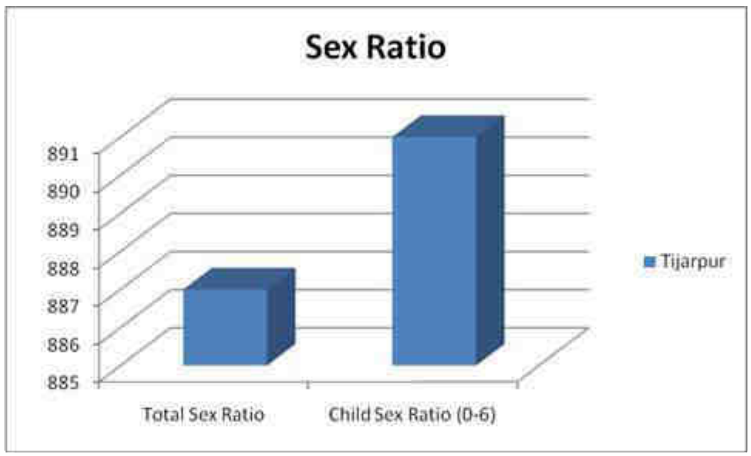
Sex Ratio

Average Sex Ratio of Tijarpur village is 887 which is lower than Madhya Pradesh state average of 931. Child Sex Ratio for the Tijarpur as per census is 891, lower than Madhya Pradesh average of 918.

Table 186 – Shivpuri *village wise sex ratio details are as follows*

	Tijarpur
Total Sex Ratio	887
Child Sex Ratio (0-6)	891

Figure 126: Sex Ratio



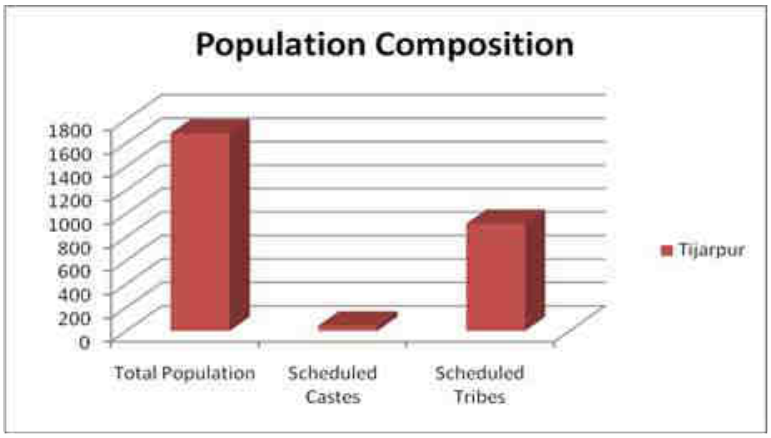
Population composition

Tijarpur is a medium size village located in Pichhore Tehsil of Shivpuri district, Madhya Pradesh with total 375 families residing. The Tijarpur village has population of 1683 of which 892 are males while 791 are females as per Population Census 2011. The totals STs Population in these village are 913, which is 53.9% of the total population.

Table 187 – Shivpuri v*illage wise population details are as follows*

	Tijarpur
Total Population	1683
Scheduled Castes	45
Scheduled Tribes	913

Figure 127: Population Composition



Literacy Rate

Tijarpur village has lower literacy rate compared to Madhya Pradesh. In 2011, literacy rate of Tijarpur village was 49.26 % compared to 69.32 % of Madhya Pradesh. In Tijarpur Male literacy stands at 60.58 % while female literacy rate was 36.48 %.

Table 188 – Shivpuri v*illage wise literacy Details are as follows:*

	Tijarpur
Total Literacy	49.26%
Male	60.58%
Female	36.48%

Figure 128: Literacy Rate

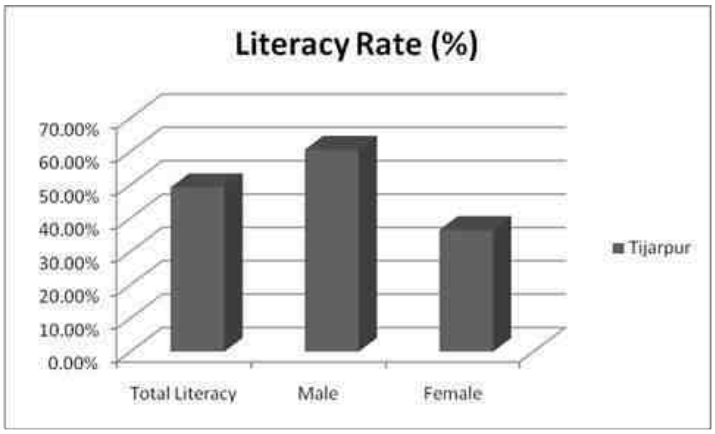


Table 189 – Shivpuri Important Statistics relating to works participation

Tijarpur	
Total Workers	
Total	880
Male	466
Female	414
(i) Main Worker	
Total	449
Male	411
Female	38
(ii) Marginal Worker	
Total	431
Male	55
Female	376
Non-Worker	
Total	803
Male	426
Female	377

Socio Economic and Caste Census (SECC) 2011, Village wise information of households
Gram Panchayat: Tijarpur

#	Name of the Head of the HH	Gender	Age	Social Category	Father's Name\Mother's Name	Deprivation count	Auto Inclusion\Deprivation code	Total Members
	Village:Puraini							
1	LALLIRAM ADIVASI\लल्लीराम अदिवासी	M	27	ST	दुज्जीराम\गौमा	AI	--,--,--,AI4,--	6
2	MAHESH ADIWASI\महेश आदिवासी	M	47	ST	गिरवर\खैरी	AI	--,--,--,AI4,--	4
3	PAPPU ADIWASI\पप्पू आदिवासी	M	21	ST	गिरवर\खैरी	AI	--,--,--,AI4,--	5
4	SHANKAR ADIWASI\शंकर अदिवासी	M	52	ST	पतइया\अजुद्धी	AI	--,--,--,AI4,AI5	5
	Village:Tijarpur							
5	CHANDARBHAN AADIWASI\चन्द्रभान आदिवासी	M	51	ST	जलमा\ग्यासो	AI	--,--,--,AI4,--	1
6	DHANPAL AADIWASI\धनपाल आदिवासी	M	28	ST	भैरो\भूरी	AI	--,--,--,AI4,--	1
7	HARI RAM AADIWASI\हरी राम आदिवासी	M	31	ST	कल्ला\छिम्मा	AI	--,--,--,AI4,--	1
8	KALLU RAM\कल्लू राम	M	31	Other	रतना\आसो बाई	AI	--,AI2,--,--,--	2
9	KAMLA SINGH AADIWASI\कमल सिंह आदिवासी	M	46	ST	चन्दू\ज्ञाना	AI	--,--,--,AI4,--	1
10	SHIVRAJ AADIWASI\शिवराज आदिवासी	M	29	ST	गज्जू\पारवती	AI	--,--,--,AI4,--	1
	Village:Luhatta							
11	ADHARSINGH\	M	31	Other	\	1	--,--,--,--,--,--,D7	5
12	ARJAN SINGH PARDI\अर्जन सिंह पारदी	M	27	Other	धनाजी\सुज्जी बाई	2	--,--,--,--,--,D6,D7	8
13	BATEJAJI PARDI\बतेजजी पारदी	M	77	Other	टाड़ौती\सनमन बाई	1	--,--,--,--,--,--,D7	7
14	BHAN PARDI\भान पारदी	M	31	Other	बतेज जी\झरकोन बाई	3	D1,--,--,--,--,D6,D7	4
15	BINNAM PARDI\बिन्नाम पारदी	M	38	Other	कसूर सिंह\होसंगा बाई	2	--,--,--,--,--,D6,D7	6
16	BRIHAM BHAN PARDI\बृहम भान पारदी	M	27	Other	गररु\लीलाबाई	3	D1,--,--,--,--,D6,D7	8
17	GARRU PARDI\गररु पारदी	M	50	Other	मुलाम सिंह\बलाया बाई	3	D1,--,--,--,--,D6,D7	5
18	JALEN SINGH PARDI\जलेन सिंह पारदी	M	67	Other	सुकजी\काली बाई	2	--,--,--,--,--,D6,D7	8

2.15.8 Reason for selection of L2 landscapes:-

- The area is ecologically important and falls in the catchment area of perennial rivers like Sindh, Betwa, Kuno, Parwati and Mahuar.
- Landscape is biodiversity rich area and known for variety of medicinal plants.
- 82 % of the population lives in the rural area and many of them live below poverty line.
- Landscape is facing tremendous biotic pressure. The level of dependence on forest is high.
- Presence of schedule tribes specially Sahariyas in selected L2 landscapes, which require livelihood opportunities.

- The livelihood opportunities are less. There are no industries working in the area. Old Kattha manufacturing units are also now almost closed.
- Income from agriculture is meager. The percentage of irrigated crop area is very small.
- Most of the forest is either open forest or degraded forest which needs special treatment.
- Old mining area damaged by legal and illegal mining needs reclamation.
- Preperatory activities for GIM were undertaken in Shivpuri Division.

2.15.9 Possible solutions to enhance forest cover, improve ecosystem services and address the drivers of degradations: -

- Effective management to combat biotic pressure - It will be achieved through efficient fire management, regularizing the grazing, control on illicit felling, enhancing fodder, fuel wood, bamboo, small and NTFP production through plantation of selective species.
- Enhancement of forest cover in forest and non-forest area - It will be achieved through plantation of suitable species in forest and non-forest area.
- Soil and water conservation - It will be achieved through watershed treatment methodology i.e. the treatment from ridge to valley of the watershed.
- Reduction in the degree of dependence on forest- Reduction in the degree of dependence on forest will be achieved through promotion of alternate energy sources.
- Reclamation of mining area.

2.15.10 Proposed interventions: -

- Capacity building of Forest department and JFMC
- Empowerment of local communities and making them active partners in forest protection and development.
- Forest Protection and maintenance activities.

2.15.11 Cross cutting interventions proposed: -

- Improving fuel-wood efficiency and promoting alternative energy sources.
- Convergence with schemes of other departments.

2.15.12 Livelihood improvement activities proposed: -

- Various livelihood activities such as Dairy Farming, NTFP based livelihoods, Kirana store, sewing machine, Poultry farming, Honey Collection Bee Keeping, Dona pattal manufacturing and Fisheries will be taken up in selected villages.
- Skill upgradation Trainings will be imparted to the villagers.
- Mechanism for value addition of NTFP shall be introduced.

2.15.13 FY 2018-19 physical and financial progress as per budget allotment: -

Under different submissions of Green India Mission, following progress in FY 2018-19 is made in L 1 Landscape (viii):-

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Sheopur				Shivpuri				Gird	
				Target		Achievement		Target		Achievement		achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600										
		a) Advance Work	15840	66	10.44	66	9.86	96	15.20	96	23.15	162.00	33.01
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**66**	**10.44**	**66**	**9.86**	**96**	**15.20**	**96**	**23.15**	162.00	33.01
	) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	16896	374	63.26	270	51.39	374	63.13	0	0.00	270.12	51.39
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**374**	**63.26**	**270**	**51.39**	**374**	**63.13**	**0**	**0.00**	270.12	51.39
		Type B- with limited root stock and open blanks	79200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	178	56.38	178	43.71	29	9.19	29	9.65	207.00	53.36
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**178**	**56.38**	**178**	**43.71**	**29**	**9.19**	**29**	**9.65**	207.00	53.36

	b	Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	99	52.53	99	24.18	84	44.24	84	44.42	183.00	68.60
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**99**	**52.53**	**99**	**24.18**	**84**	**44.24**	**84**	**44.42**	183.00	68.60
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	36960	369	136.36	369	54.31	111	41.13	111	51.97	480.00	106.28
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**369**	**136.36**	**369**	**54.31**	**111**	**41.13**	**111**	**51.97**	480.00	106.28
Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	a) Rehabilitation of Shifting Cultivation Areas		79200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	b) Restoring Scrublands		132000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	52800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Restoring/ planting Sea-buckthorn		264000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	d) Restoration of Mangroves		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00

		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	e) Ravine reclamation		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
Sub Mission 2: Ecosystem restoration and increase in forest cover	**f) Restoration of adandoned mining area**		264000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	8	8.45	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**8**	**8.45**	**0**	**0.00**	0.00	0.00
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	**a) Plantation in Urban & Peri-urban areas**		264000	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	105600	0	0.00	0	0.00	18	19.01	0	0.00	0.00	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**18**	**19.01**	**0**	**0.00**	0.00	0.00
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	**a) Farmer's land including current fallows**	Farmer's land	52800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	21120	48	10.09	0	0.00	98	20.69	0	0.00	0.00	0.00
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**48**	**10.09**	**0**	**0.00**	**98**	**20.69**	**0**	**0.00**	0.00	0.00

	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	16896	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	0.00	0.00
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	73920	0	0.00	0	0.00	39	28.90	0	0.00	0.00	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**39**	**28.90**	**0**	**0.00**	0.00	0.00
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		a) Advance Work	63360	0	0.00	0	0.00	4	2.53	0	0.00	0.00	0.00
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		II Year	12672	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**4**	**2.53**	**0**	**0.00**	0.00	0.00

Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	**283**	**9.35**	**0**	**0.00**	**146**	**4.80**	**0**	**0.00**	0.00	0.00
Total A				**1134**	**338.41**	**982**	**183.45**	**861**	**257.27**	**320**	**129.19**	1302.12	312.64
Activities Cost				0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00
Research (2% of A)				0	6.77	0	0.00	0	5.15	0	0.00	0.00	0.00
Publicity/Media/outreach activities (1% of A)				0	3.38	0	0.00	0	2.57	0	0.00	0.00	0.00
Monitoring and Evaluation (1% of A)				0	3.38	0	0.00	0	2.57	0	0.00	0.00	0.00
Livelihood improvement activities, (17% of A)				0	57.53	0	13.48	0	43.74	0	0.00	0.00	13.48
Strengthening local-level institutions (5 % A)				0	16.92	0	0.00	0	12.86	0	0.00	0.00	0.00
Strengthening FDs (5% A)				0	16.92	0	0.00	0	12.86	0	0.00	0.00	0.00
Mission Organisation, operation and maintenance, contingencies and overheads				0	13.54	0	0.00	0	10.29	0	0.00	0.00	0.00
Total B				**0.00**	**118.44**	**0**	**13.48**	**0.00**	**90.04**	**0**	**0.00**	0.00	13.48
Grand Total (A+B)				**1134**	**456.85**	**982**	**196.93**	**861**	**347.31**	**320**	**129.19**	1302.12	326.12

Annexure - 1

F. No. 9-12/2013-B-IV(Pt.)
Government of India
Ministry of Environment, Forest and Climate Change
Green India Mission
*****

Indira Paryavaran Bhawan
Jor Bagh, New Delhi-110003

Date: 19th January, 2018

OFFICE MEMORANDUM

Subject: **Minutes of 4th Meeting of National Executive Council of the National Mission for a Green India: reg.**

The undersigned is directed to forward the Minutes of 4th meeting of the National Executive Council of National Mission for a Green India held on 3rd January, 2018 under the Chairmanship of Secretary (EF&CC).

19.1.18

(S.P. Vashishth)
Deputy Inspector General of Forests (GIM)
Email: gim-mef@nic.in

To:

1.	DGF&SS, MoEF&CC	Member
2.	Director General, ICFRE, Dehradun	Member
3.	Director, IIFM, Bhopal	Member
4.	Financial Advisor, MoEF&CC	Member
5.	Director General, Forest Survey of India	Member
6.	Chairman, NABARD	Member
7.	CEO, National Rainfed Area Authority	Member
8.	IGF (NAEB)	Member
9.	Shri Pranav Ranjan Chaudhary	Member
10.	Shri Prabhjot Sodhi	Member
11.	Shri Kapil R.	Member
12.	Mission Director	Member Secretary

Copy to: PPS to Secretary (EF&CC)
Copy to:

i. Secretary, Department of Expenditure
ii. Secretary, Department of Science & Technology

iii. Secretary, Ministry of Rural Development
iv. Secretary, Ministry of Agriculture
v. Secretary, Ministry of Tribal Affairs
vi. Secretary, Department of Land Resources
vii. Secretary, Ministry of Panchayti Raj
viii. CEO, NITI Aayog
ix. State Nodal Officer (GIM), Chhattisgarh
x. State Nodal Officer (GIM), Odisha
xi. State Nodal Officer (GIM), Manipur
xii. State Nodal Officer (GIM), Mizoram
xiii. State Nodal Officer (GIM), Karnataka
xiv. State Nodal Officer (GIM), Punjab
xv. State Nodal Officer (GIM), Himachal Pradesh
xvi. State Nodal Officer (GIM), Madhya Pradesh
xvii. State Nodal Officer (GIM), Maharashtra
xviii. State Nodal Officer (GIM), Sikkim

19/1/18

(S.P. Vashishth)
Deputy Inspector General of Forests (GIM)
Email: gim-mef@nic.in

Green India Mission
Ministry of Environment, Forests and Climate Change
Indira Paryavaran Bhawan, New Delhi

Minutes of 4th Meeting of National Executive Council (NEC) of the National Mission for a Green India (GIM) held at 3:00PM on 3rd January, 2018.

1. The meeting was chaired by Shri C.K. Mishra, Secretary, Ministry of Environment, Forest and Climate Change. List of participants is at **Annexure-I**.

2. After a brief presentation on salient features of the National Mission for a Green India, NEC took up the agenda items of the meeting for consideration. Decisions taken on each of the agenda items are as follows:

2.1 The NEC discussed the Annual Plan of Operations (APO) of Chhattisgarh for the FY 2017-18 to carry out GIM activities on 28244 ha. However, keeping in view the limited budget allocation, it was decided to release the funds to meet the committed liability of maintenance work of 19128 ha area plantations. An amount of Rs. 16.993 Cr would be required during the current financial year to meet the afore-mentioned committed liability excluding flexi-funds. The Central share, excluding flexi-funds amounts to Rs. 10.196 Cr. The Ministry has already released an amount of Rs. 7.647 Cr as first instalment of the Central share. Keeping in view the above, NEC approved APO 2017-18 of the State for a total outlay of Rs. 16.993 Cr to meet afore-mentioned committed liability. The NEC accorded *ex-post facto* approval for release of Rs. 7.647 Cr as first instalment of FY 2017-18. The NEC also accorded *ex-post facto* approval for release of Rs. 3.30582 Cr as third instalment of FY 2016-17.

2.2 The APO of Odisha for the FY 2017-18 was discussed by NEC to carry out GIM activities on 5050 ha. However, given the limited fund allocation, release of funds would be restricted to meet only the committed liability of maintenance work (2,094.40 ha). An amount of Rs. 1.80 Cr would be required during the current financial year to meet the afore-mentioned committed liability excluding flexi-funds. The Central share, excluding flexi-funds amounts to Rs. 1.08 Cr. The Ministry has already released an amount of Rs. 0.81 Cr as first instalment of the Central share during the FY 2017-18. Keeping in view the above, NEC approved APO 2017-18 for a total outlay of Rs. 1.80 Cr to meet afore-mentioned committed liability. The NEC accorded *ex-post facto* approval for release of Rs. 0.81 Cr as first

instalment of FY 2017-18. The NEC also accorded *ex-post facto* approval for release of Rs.0.59556 Cr as third instalment of the FY 2016-17.

2.3 The NEC discussed the APO of Manipur for the FY 2017-18 to carry out activities on 16352 ha. However, keeping in view the limited budget allocation, it was decided to release the funds to meet the committed liability of maintenance work (8798 ha). An amount of Rs. 10.18380 Cr would be required during the current financial year to meet the afore-mentioned committed liability excluding flexi-funds. The Central share, excluding flexi-funds amounts to Rs. 9.16542.Cr. The Central Government has already released an amount of Rs. 6.416 Cr as first instalment during the FY 2017-18. Keeping in view the above, NEC approved APO 2017-18 of the Manipur for a total outlay of Rs. 10.18380 Cr to meet afore-mentioned committed liability. The NEC accorded *ex-post facto* approval for release of Rs. 6.416 Cr as first instalment of FY 2017-18.

2.4 The NEC examined the APO of Mizoram for the FY 2017-18 to carry out activities on 16352 ha. However, keeping in view the limited budget allocation, it was decided to release the funds to meet the committed liability of creation/plantation work. An amount of Rs. 71.6173 Cr would be required during the current financial year to meet the afore-mentioned committed liability excluding flexi-funds. The Central share, excluding flexi-funds amounts to Rs. 64.45557 Cr. Keeping in view the above, NEC approved APO 2017-18 of the Mizoram for a total outlay of Rs. 71.6173 Cr to meet afore-mentioned committed liability. The NEC accorded *ex-post facto* approval for release of Rs. 20.0 Cr as second instalment of FY 2016-17 for carrying out balance activities during the FY 2017-18.

2.5 The NEC examined the APO of Karnataka for the FY 2017-18 to carry out GIM activities on 970 ha under four sub-missions. However, due to limited funds, it was decided to release the funds to meet the committed liability of maintenance work (760 ha) and second instalment (Rs. 0.45745 Cr) of FY 2016-17. An amount of Rs. 0.93899 Cr would be required during the current financial year to meet the afore-mentioned committed liability excluding flexi-funds. So far no amount has been released to the State by the Ministry. In view of the above, NEC approved APO for the FY 2017-18 of Karnataka at an outlay of Rs. 0.93899 Cr to carry out maintenance work and to release Rs. 0.45745 Cr as second instalment of FY 2016-17.

2.6 The NEC examined the APO of Punjab for the FY 2017-18 to carry out GIM activities on 9000 ha. However, due to limited funds, it was decided to release the funds to meet the committed liability of creation & maintenance work (1732 ha creation work and 1286 ha maintenance work) and second instalment (Rs. 4.391 Cr) of FY 2016-17. An amount of Rs. 10.05 Cr is required during the current financial year to meet the afore-mentioned committed liability excluding flexi-funds. So far no amount has been released to the State by the Ministry. Keeping in view, NEC approved APO 2017-18 of Punjab at an outlay of Rs. 10.05 Cr to carry out creation/plantation and maintenance work. The NEC also approved to release Rs. 4.391 Cr as second instalment of FY 2016-17 and revised Perspective Plan of Punjab.

2.7 The State Government of Himachal Pradesh, Madhya Pradesh, Maharashtra and Sikkim presented their Perspective Plans. The landscapes were identified on the basis of vulnerability to climate change, ground water level, forest resources and socio-economic status of the area. The NEC approved the Perspective Plan and APO for 2017-18 of these States. This approval is as per the current State wage rate and the details are given below:

(***Phy***: area in hectares, **HH**: Households ***Fin***: Rs. in Crore)

Sr. No.	State	Duration of Plan	L1	L2	L3	Targets of Perspective Plan			Targets of APO 2017-18		
						Physical	HH	Financial	Physical	HH	Financial
1	Himachal Pradesh	8 Years	4	34	40	27116	30137	233.3643	8403	3285	45.1073
2	Madhya Pradesh	5 Years	8	122	735	340700	114185	3157.36	117645	33167	396.7258
3	Maharashtra	6 Years	9	21	130	6975.40	7362	65.3345	6766	7362	27.4518
4	Sikkim (Phase-I)	8 Years	6	25	151	201768.45	6320	157.0024	1497.52	640	6.1988

3. Some of the members of NEC stressed on the online monitoring platform to capture data and progress of work under the GIM. They also suggested that there should be more clarity on the livelihood improvement activities being taken up by the States. The State Nodal Officers, expressed their concern about the meagre fund allocation.

4. Shri A. K. Mehta, Mission Director, GIM summarized the deliberations of the meeting and suggested that each State prepare a Strategic Plan covering all plantation schemes both at Central and State level.

5. The following decisions were also taken during the meeting:

   - The Ministry shall prepare a Strategic Plan covering all plantation schemes to achieve INDC targets. Further, Ministry would organize consultation with experts on how to

achieve the INDC targets of sequestering additional 2.5 to 3 giga tons of carbon dioxide annually.

- Convergence of GIM with NAP, CAMPA, IWMP, MGNREGS and other schemes of States/UTs should be carried out effectively.
- A common Online Monitoring System needs to be operationalised within the Ministry to capture the progress of schemes (GIM, NAP, CAMPA, IWMP, MGNREGS). The existing online monitoring system i.e. e-Green Watch of CAMPA may be considered for this purpose.
- Best Practices need to be compiled and replicated.
- Quality seedlings/sapling/tall plants should be provided to reduce the mortality of seedlings and to help achieve the targets within the time frame as per the suitability of species within the agro-climatic condition of area. Forestry related research and innovation may be carried out in this regard.
- Enabling atmosphere for encouraging private sector investment in plantations on lands outside the forest areas may be created.
- Citizens, Community, institutions and universities etc. may be involved in planning, implementation and monitoring of the Mission activities at the local level.

Secretary, MoEF&CC, while wrapping up, highlighted that many suggestions have been received from participants. Necessary actions should be taken up to operationalize them. He thanked all the participants for their active participations and suggestions.

The meeting concluded with vote of thanks to the Chair.

****

Annexure-I

Participants of the 4th Meeting of National Executive Council of the National Mission for a Green India held at 3:00PM on January 3rd,2018

Sr. No.	Name	Designation	Department	Email & Contact Number
1	Shri C.K. Mishra	Secretary	MoEF&CC	secy-moef@nic.in
2	Shri Siddhanta Das	DGF&SS	MoEF&CC	dgfindia@nic.in
3	Shri. Arun Kumar Mehta	Additional Secretary	MoEF&CC	akmehta@nic.in
4	Shri Ravi. S. Prasad	Joint Secretary	MoEF&CC	ravis.prasad@nic.in
5	Smt. Alka Bhargava	Joint Secretary	Department of Agriculture, Cooperation and Farmer's Welfare	jsnrm-agri@gov.in
6	Shri Susahant Sharma	Joint Secretary	Forest Survey of India, Dehradun	sushantifs@gmail.com 8755567888
7	Shri Sanjeeb Patjoshi	Joint Secretary	Ministry of Panchayati Raj	js1-mopr@gov.in 7350595165
8	Shri Thomas Chandy	Pr. CCF	Forest, Env. & wildlife department Sikkim	tchandy.abc@gmail.com
9	Shri A.C. Sharma	Pr. CCF (Forestry)	Department of Forest, HP	sharmaamar92@yahoo.com 9418033304
10	Shri Jai Raj	Pr. CCF	Uttarakhand Forest Dept.	pccf.p.uk@gmail.com 9412053604
11	Shri Jitendra Kumar	Adviser	NITI Aayog	j.kumar@nic.in 9868115150
12	Shri N. Prateep Kumar	Prl. CCF (WL)	Forest Dept. Govt. of A.P.	prateepifs@gmail.com 9440810033
13	Shri Pankaj Asthana	IGF	NAEB, MoEF&CC	
14	Shri S.P. Vashishth	DIG, GIM	MoEF&CC	vashsatya@gmail.com
15	Shri Pranab Rajan Choudhry	Non-official Expert	NEC, GIM	prchoudhry10@gmail.com 9437021261
16	Shri Prabhjot Sodhi	Non-official Expert	NEC, GIM	prabhjot.sodhi@undp.org 9811811996
17	Shri S. Shanthappa	APCCF (NFAP&BM)	Department of Forest Karnataka	siddappashanthappa@gmail.com
18	Nitin Kakodkar	APCCF (BPD)	Department of Forest Maharashtra	apccfbpd@gmail.com
19	Shri K.Raman	APCCF	Department of Forest Madhya Pradesh	raman.ifs@gmail.com 9407586818
20	Dr. SK Dhyani	Principal Scientist	ICAR, DARE	shivkdhyani@gmail.com 9451688346
21	Shri Rajan Sehgal	APCCF	Department of Forest Kerala	9447979012
22	Shri Ajurag Bajapai	CCF (Forest & wildlife)	Department of Forest Manipur	anu.baj137@nic.in 9899311502
23	Shri D.V. Ratna Kumar	CCF (HQ)	Dept. of Forests and wildlife, Punjab	dvrkumar90@mail.com 8283027773
24	Shri Liankima Lailung	CCF (P&D)	Dept. of Env. Forest and Climate Change, Mizoram	llaclung@yahoo.co.in 9436145056
25	Shri A.K. Das	Deputy Secretary (Budget)	MoEF&CC	ak.das59@nic.in 011-24695393
26	Shri I.K.V. Raj	DFO (VSP)	Forest Dept. Govt. of A.P.	
27	Smt. Yanglhen Bhutia	DFO	Forest, Env. & wildlife department Sikkim	yaytshen@gmail.com
28	Shri Abhijit Roy	Under Secretary	GIM, MoEF&CC	
29	Mohd. Arif	Consultant	GIM, MoEF&CC	

****

Annexure - II

परिशिष्ट - 6

F. No. 9-11/2014/GIM-MP
Government of India
Ministry of Environment, Forest and Climate Change
Green India Mission

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110003

Dated: 10th September, 2018

To

The Pay & Accounts Officer
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110003

Subject: Release of 1st instalment under the National Mission for a Green India (GIM) for the approved Perspective Plan and Annual plan of Operation of Madhya Pradesh State to carry out Advance and Creation works in FY 2018-19: reg.

Sir,

I am directed to convey the sanction of the President of India to release of Rs. **1022.497** Lakh (Rupees Ten Crore, Twenty two lakh, Forty Nine Thousand and Seven Hundred only), as first instalment (as per details given in the table in Para 5 below) towards Grants-in-Aid to the State Government of Madhya Pradesh for onward release to the State Forest Development Agency, Madhya Pradesh (SFDA) in FY 2018-19 under GIM for the Annual Plan of Operation of financial year 2018-19.

APCCF (GIM)

2. The Competent Authority has approved the Perspective Plan of Madhya Pradesh State having physical target of 340700 ha and 114185 households covered under various sub-missions & intervention and for support activities in 122 L2 landscapes and 735 L3 landscapes within eight selected L1 landscapes. The Perspective Plan is for five years and the total proposed project cost is Rs. 3157.36 Crore at the current wage rate of Rs. 264/day.

प्र. मु. व. सं.
(वन बल प्रमुख)
म.प्र. भोपाल
4/9/18

3. The Competent Authority has also approved the Annual Plan of Operation (APO) of Madhya Pradesh State for carrying out GIM activities in 117645 ha under five sub-missions and to provide alternative fuel energy to 33167 households with a financial implication of Rs. 396.7258 Crore during 2018-19. However, due to paucity of funds, the Competent Authority has revised the APO for carrying out GIM activities in 11914 ha under five sub-missions and to provide alternative fuel energy to 3317 households with a financial implication of Rs. 41.8026 Crore (Forty-one crore, eighty lakhs and twenty-six thousands)) excluding flexi-funds during 2018-19, to be shared between Central and State Government in the ratio of 60:40 (as per details given in Para 5 below) as per the approved funding norm communicated by Department of Expenditure (DoE), Ministry of Finance (MoF), vide D.O Letter No. 32/PSO/FS/2015 dated October 28, 2015. The L2 Landscape-wise Maintenance work plan details enlisting the physical and financial targets are given in **Annexure-I.**

O/O P.A. TO P.C.C.F
No. 6719
Dt. 24.9.18
MADHYA PRADESH, BHOPAL

4. As per the Government of India O.M. No. 55(5)/PF. II/2011 dated September 6, 2016 issued by the DoE (MoF); the State may set aside @ 25% Flexi fund on total liability (including the central and state share). The Centre and the State Government will adhere to conformity with the Guidelines for Flexi Funds within Centrally Sponsored Schemes issued by the DoE before seeking flexi-fund under the scheme.

5. The fund release for FY 2018-19 has been sanctioned based on the prevailing State Wage Rate i.e. Rs. 264 per day. In case of any revision in the State Wage Rate, the corresponding additional amount will be provided along with the next instalment. The funds shall be released in the following manner:

Addl. Principal Chief Conservator of Forests
(Green India Mission)
Madhya Pradesh, Bhopal

(अभिजित रॉय)
(ABHIJIT ROY)
अवर सचिव (Under Secretary)

Amount in Rs. Lakh

Sr. No.	Particulars	Revised APO cost with Support Activities
(a)	Total cost of approved APO without Flexi Fund	4180.265
(b)	Amount to be released as Central Govt's share [60% of (a)]	2508.159
(c)	Amount to be met by State Govt. as State share [40% of (a)]	1672.106
(d)	1st instalment to be released 60% of (b)	1504.895
(e)	Less: Unspent balance available with State	92.24
(f)	1st instalment released	**1022.497**
(g)	2nd instalment to be released [(b)-(e+f)]	**1393.422**

6. The Grants-in-Aid shall be regulated in accordance with the provisions contained in GIM Implementation Guidelines of Ministry of Environment, Forest and Climate Change, Government of India, New Delhi (MoEF&CC). The Grants-in-Aid is also subject to the Chapter 9 of the General Financial Rules (GFR) 2005, as amended from time to time, based on the Government of India's decisions incorporated thereunder, and any other guidelines which may be issued in this regard, and in particular subject to the following conditions: -

(i) The Grants-in-Aid to the State Government for onward release to SFDA is subject to the Economy Instructions issued from time to time by the Ministry of Finance or by any Competent Authority so designated.

(ii) No staff is to be provided specifically for the Scheme.

(iii) Assets acquired wholly or substantially out of Government Grants shall not be disposed of without obtaining the prior approval of the sanctioning authority of Grants-in Aid.

(iv) SFDA shall maintain and shall present their Annual Accounts in the standard format as required under GFR 2005 (GFR).

(v) The entire funds should be utilized by the end of the current financial year on pro-rata basis following the provisions of GFR. The SFDA shall furnish Utilization Certificate as per GFR 19-A format giving the unspent balance and interest accrued, stating the reason for non-utilization of funds if any, along with its request for the release of next instalment of The Grants-in-Aid certifying that the fund released to them, for which Utilization Certificates have been issued, has been utilized exclusively in pursuance of objectives envisaged in the Rules/Memorandum of SFDA and that the Grant has been spent as per the instructions/ rules and with the approval of Competent Authority in each case.

(vi) The Accounts of SFDA, as mentioned in Para 7 (b) below, shall be open for inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India or by any person authorized by him on his behalf in accordance with the provisions laid down in Section 14 of the C&AG (DPC) 1971 as amended from time to time and Internal Audit Party by the Principal Accounts Office of the Ministry or Department whenever it is called upon to do so.

(vii) The auditing of accounts of the SFDA/FDAs, as mentioned in Para 7 (b) below, operated for GIM shall be carried out through a reputed Charted Accountant who is also on the panel of C&AG. The audit report must be submitted along with the Utilization Certificate.

(viii) The Grants-in-Aid shall be utilized on pro-rata basis before the end of the current financial year i.e. 2018-19 and unspent balance, if any, shall be refunded by SFDA to the Government of India as per the relevant provisions of GFR 2005.

(ix) Detailed progress report of the activities taken up by SFDA under GIM shall be submitted to MoEF&CC soon after the end of financial year, along with photographs (with date) prior to commencement and after completion of each activity.

(x) The Utilization Certificate and progress report along with photographs should be uploaded by SFDA/State Government in their website for public access.

(अभिजित राय)

7. The project shall be implemented by SFDA strictly in conformity with the Implementation Guidelines 2014 of Green India Mission including the following: -

a) The activities under the Mission shall be implemented on pro-rata basis in the areas as indicated and in the project proposal and approved by the GIM Directorate.

b) The funds received by the SFDA shall be deposited in its exclusive and separate bank account in a Nationalized Bank, which would be operated jointly by its Chairperson and the Member Secretary. The interest amount if any, accrued on the deposits of these funds shall be treated as part of the SFDA's additional resources and would be adjusted towards further instalments of the grant/assistance in the same financial year.

c) Within a period of seven days of receipt of funds from the State Government of Madhya Pradesh; the SFDA shall transfer the amount earmarked to the concerned FDAs for carrying out proposed activities in different L2 landscapes.

d) The funds received by the FDA from SFDA shall be deposited in its exclusive and separate bank account in a Nationalized Bank, which would be operated jointly by its Chairperson and the Member Secretary. The interest amount if any, accrued on the deposits of these funds shall be treated as part of the FDA's additional resources and would be adjusted towards further instalments of the grant in the same financial year.

e) The FDAs shall release the amount to the JFMCs/EDCs within 15 days of receipt of funds from the SFDA preferably by Electronic Clearance System (ECS).

f) The respective JFMCs/ EDCs shall deposit the funds thus received from the FDA in their exclusive and separate bank account in a Nationalised Bank/ a Cooperative Bank or a Post Office, which would be jointly operated by the President and the Member Secretary. The interest amount if any, accrued on the deposits of these funds shall be treated as part of the JFMC/EDC's additional resources and would be adjusted towards further instalments of the grant in the same financial year.

g) FDA/ JFMCs shall maintain a record of all assets created under the project as per GFR 151 and furnish CST in case of purchase of leviable goods.

h) Contractors / middlemen/ intermediate agencies are not permitted to be engaged for execution of any of the works under the scheme so as to ensure that the full wages are paid to the workers.

i) Payment towards wages/remuneration should be made through bank accounts of recipients in case of contractual engagements in compliance with DBT scheme. The copy of PF and ESI along with the evidence of deposit of TDS/ Service Tax should be submitted to the GIM Directorate.

j) Evidence of deposit of TDS/ Service Tax in case of contract payments and CST in case of purchase of leviable goods.

k) A quarterly statement of accounts and progress of works carried out in the L3 level landscapes shall be submitted by each JFMC/ EDC to the FDA which, in turn, shall compile its own progress report for onward submission to SFDA. SFDA shall prepare a comprehensive Annual Report on the progress of works and utilization of funds in respect of all L2 level landscapes and submit to MoEF&CC, Government of India soon after the end of the financial year.

l) In case a FDA fails to execute the project in the identified L2/L3 landscapes within the stipulated time, including such extensions as may be granted by the Competent Authority, the Competent Authority may, in its discretion, require the SFDA to refund the grant in whole or in such part on account of the concerned FDA along with interest thereon.

m) There shall be no diversion of earmarked funds from one L2/L3 landscape to another one except in case of unavoidable circumstances and only with the prior approval of Mission Directorate.

n) Except for supervening impossibilities, the Chairperson and the Member Secretary of the SFDA/FDA shall be solely responsible and accountable for successful implementation of the project.

o) The funds released under the scheme shall be subject to audit by the Comptroller and Auditor General of India or his nominated officer. Any other agency/ officer (s) authorized by GIM shall have the right of access to the books and accounts of the SFDA/ FDA/JFMCs and EDCs for the funds received under the project.

p) The SFDA shall submit non-diversion and non-embezzlement certificate each time a request for release of grant is made to GIM Directorate.

q) The SFDA shall be responsible for guidance, coordination, supervision, periodical reporting and monitoring the implementation of the project by their constituent FDAs/JFMCs/ EDCs. The

Abhijit Roy

(अभिजित राय)
(ABHIJIT ROY)

project shall also be monitored periodically by the respective State Forest Departments and all assistance for this purpose shall be rendered by the SFDA. In addition to this, MoEF&CC shall supervise the project, as and when deemed required.

r) The Competent Authority reserves the right to terminate the grant at any stage if it is convinced that the grant has not been properly utilized or appropriate progress has not been made.

s) The SFDA shall follow strict corruption mitigation strategies while utilizing the funds.

t) The implementation of the project and maintenance of plantations raised there under that spill over to the next year shall be the responsibility of the State Government unless the GIM scheme is continued.

u) SFDA shall take necessary steps to ensure raising of quality seedlings and maximum survival of plants under the GIM Scheme. The survival percentage of plantation shall be reflected in the subsequent Quarterly Progress Report submitted to the Ministry along with the details on the progress of activities carried out under the Mission.

v) SFDA shall also submit a certificate to the effect that all conditions laid down in the Implementation Guidelines and the Sanction Order are being followed each time a request for release of grant is made to GIM Directorate.

w) The project should be completed within the stipulated time period as reflected in the Perspective Plan and APO. The SFDA shall furnish two (2) copies of detailed report to Mission Directorate within two months of completion of the project.

x) The expenditure for the purchase of equipment's and creation of capital assets must not exceed 5% of the total cost of the APO and a copy of purchase of permanent equipment's may be furnished.

8. The SFDA shall also ensure the following conditions, prior to seeking the release of the next instalment of funds:

a) The State Government shall ensure that the work of preparation of comprehensive Micro-level plans is duly carried out after taking into account all the activities/interventions to be implemented with the funds available from various sources/complementary schemes to ensure convergence. The information related to such financial micro-planning in respect of the landscapes showing the details of the break-up of the funds from various sources (e.g. MoEF&CC, CAMPA, MNREGS, etc.) that are required to be converged in the ratio approved by the CCEA shall be furnished by the State Government.

b) The detailed baseline data after preparation of micro-plans for L3 level landscapes in respect of all the monitorable parameters shall be furnished by the State Government while submitting the proposal for release of further funds.

c) Latitude/longitude coordinates of each landscape/area of intervention where the activities under GIM or convergence activities are proposed with any other complementary scheme will be furnished by the State Government.

d) Geo-coordinates along with geo-referenced maps (including soft copy in .shp/.kml format) for each landscape/area where the activities under GIM or under convergence are proposed and being undertaken shall be duly authenticated by an officer.

e) Satellite photographs with dates and GPS coordinates should be furnished before and after the implementation of the scheme and furnished with the physical progress report. The photographs should be taken both before commencement and after completing of each activity e.g. advanced work and creation.

f) Ensure saturation of the selected landscapes sequentially starting with L3s and progressing over L2s and L1s with the requisite interventions in the stipulated time period to avoid duplication.

g) The release of the first instalment would also be subject to the condition that the State will provide a matching share as per the present funding pattern. The contribution of State's matching share should be reflected in the UC.

h) Conformity with the guidelines for flexi funds within Centrally Sponsored Schemes issued by the Dept. of Expenditure, Ministry of Finance from time to time. The State will ensure that is the State

(अभिजित राय)
(ABHIJIT ROY)

desire to set aside 25% of the Flexi Fund, it should be within the overall allocation to the State and not over and above the cost of the Annual Plan of Operation 2018-19.

9. In accordance with the revised procedure, the Reserve Bank of India may please be advised to pass on the credit to the Central Accounts Section, Nagpur for transferring the funds to the accounts of Government of Madhya Pradesh and to debit the amount to the Account of Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi.

10. The State Government of Madhya Pradesh would make provisions in their budget and on receipt of funds from RBI, release the grants of above funds within 15 days of the issue of this sanction letter to SFDA the details of which are given below, under intimation to this office.

Name and Address of SFDA	Name of Bank where A/c of SFDA held	Name and complete address of the bank branch	IFSC/MICR Code/ Bank Branch Code	Type of Account	Account No.
State Forest Development Agency, Madhya Pradesh	Central Bank of India	9-Arera Hills, Zonal Office Building, Jail Road, Bhopal-462011	IFSC: **CBIN0283312** MICR: 462016014	Saving	3177238930

11. The payment sanctioned above is provisional. The final adjustment shall be made after receipt of the item wise physical and financial Progress Report and the detailed progress report, Utilization Certificate and Audited Expenditure figures from the implementing agency at the time of 2nd instalment release.

12. The implementing agency is requested to ensure that the Central Assistance being released shall be gainfully utilized in furtherance of the approved work without any time overrun under the project/scheme. The proposed area coverage under the work programme should not be over-lapping with any other Central/State scheme and there should be no duplication of central / external assistance in any case.

13. The expenditure is debitable to the following Head of Accounts under Demand No. 27 of Ministry of Environment, Forest and Climate Change (2018-19):

Items	Budget Head	Allocation (in Rs. Lakh)
General	3601.06.101.01.01.31	647.241
SCSP	3601.06.789.01.01.31	159.510
TSP	3601.06.796.01.01.31	215.747
	Total	**1022.497**

14. The sanction issues with the approval of the Competent Authority under the power delegated to the Ministries/Departments with the concurrence of Integrated Finance Division vide their Diary No. 110131AS&FA dated 07-08-2018.

Yours faithfully

(Abhijit Roy)
Under Secretary to the Govt. of India

Encl: as above

(अभिजित राय)
(ABHIJIT ROY)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
t/o Environment,Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Copy to: -

1. The Chief Secretary, Govt. of Madhya Pradesh
2. The Additional Chief Secretary, Department of Finance, Govt. of Madhya Pradesh

3. The Additional Chief Secretary, Department of Planning, Govt. of Madhya Pradesh
4. The Additional Chief Secretary, Forest, Govt. of Madhya Pradesh
5. Principal Chief Conservator of Forests, Department of Forest, Govt. of Madhya Pradesh
6. The Accountant General (A&E), Govt. of Madhya Pradesh
7. The Addl. Pr. Chief Conservator of Forests, Regional Office Western Zone, MoEF&CC, Govt. of India, Bhopal
8. Additional Secretary & Financial Advisor, MoEF&CC, New Delhi.
9. Inspector General of Forests (Forest Conservation), MoEF&CC, New Delhi.
10. Joint Secretary (Climate Change), MoEF&CC, New Delhi.
11. Joint Secretary (MGNREGS)-RE-I, MoRD, New Delhi.
12. Joint Secretary (PF-II), Department of Expenditure, Ministry of Finance, New Delhi.
13. The Manager, Reserve Bank of India, Nagpur.
14. The Principal Director (Audit), Scientific Department, AGCR Building, New Delhi.
15. Account Officer (B&A), MoEF&CC, New Delhi.
16. Sanction Folder/ Guard File.

(अभिजित राय)
(ABHIJIT ROY)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Del

Annexure-1: Work Plan giving landscape-wise details for carrying out Advance work of FY 2018-19

Wage Rate: Rs. 264/day

Physical Target in Ha. And Financial Target in Rs. Lakh

S. N.	Submission/Intervention	Category	Type	Admissible Cost Norm (Rs./ha)	Satna		Umaria		South Balaghat		Hoshangabad, S. Seoni, N. Betul and W. Betul		Raisen, Obedullaganj and Sehore	
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services (4.9 m ha)	a) Moderately dense forest cover, but showing degradation		39,600										
			a) Advance Work	15,840	178	28.12	476	75.32	571	90.37	1,803	285.63	1,463	231.66
			Total		**178**	**28.12**	**476**	**75.32**	**571**	**90.37**	**1,803**	**285.63**	**1,463**	**231.66**
		b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42,240			-	-	-	-	-	-		
			a) Advance Work	16896	132	22.22	-	-	144	24.25	81	13.75	285	48.09
			Total		**132**	**22.22**	-	-	**144**	**24.25**	**81**	**13.75**	**285**	**48.09**
			Type B- with limited root stock and open blanks	79200			-	-	-	-	-	-		
			a) Advance Work	31,680	10	3.17	-	-	2	0.48	71	22.62	102	32.38
			Total		**10**	**3.17**	-	-	**2**	**0.48**	**71**	**22.62**	**102**	**32.38**
			Type C- of largely open areas with sparse undergrowth	132000			-	-	-	-	-	-		
			a) Advance Work	52800	51	26.93	77	40.39	18	9.24	46	24.02	49	25.87
			Total		**51**	**26.9**	**77**	**40.39**	**18**	**9.24**	**46**	**24.02**	**49**	**25.87**
		c) Restoration of grasslands		92400			-	-	-	-	-	-		
			a) Advance Work	36960	-	-	-	-	-	-	5	1.66	9	3.36
			Total		-	-	-	-	-	-	**5**	**1.66**	**9**	**3.36**
2	Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	f) Restoration of abandoned mining area		264000			-	-	-	-	-	-		
			a) Advance Work	105600	5	5.28	-	-	3	2.64	-	-	3	2.64
			Total		**5**	**5.28**	-	-	**3**	**2.64**	-	-	**3**	**2.64**
3	Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands): 0.2mha	a) Plantation in Urban & Peri-urban areas		264000	-		-	-	-	-	-	-		
			a) Advance Work	105600	20	21.12	8	8.45	12	12.67	30	32	20	21
			Total		**20**	**21.12**	**8**	**8.45**	**12**	**12.67**	**30**	**32**	**20**	**21**

270

(अभिजित राय)
(ABHIJIT ROY)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

S. N.	Submission/Intervention	Category	Type	Admissible Cost Norm (Rs./ha)	Satna		Umaria		South Balaghat		Hoshangabad, S. Seoni, N. Betul and W. Betul		Raisen, Obedullaganj and Sehore	
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
4	Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink): 3 mha	a) Farmer's land including current fallows	Farmer's land	52800			-	-	-	-	-	-		
			a) Advance Work	21120	183	38.65	58	12.25	290	61.25	445	93.92	324	68.34
			Total		183	38.65	58	12.25	290	61.25	445	93.92	324	68.34
		b) Shelterbelt plantations		211200			-	-	-	-	-	-		
			a) Advance Work	84480	-	-	-	-	-	-	-	-	-	-
			Total		-	-	-	-	-	-	-	-	-	-
		c) Highways/Rural roads/Canals/ Tank Bunds		184800			-	-	-	-	-	-		
			a) Advance Work	73920	33	24.02	11	7.76	57	42.36	101	74.81	70	51.52
			Total		33	24.02	11	7.76	57	42.36	101	74.81	70	51.52
5	Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400			-	-	-	-	-	-		
			a) Advance Work	63360	-	-	-	-	-	-	3	1.58	5	3.17
			Total		-	-	-	-	-	-	3	1.58	5	3.17
6	Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	3300	19	0.63	255	8.42	176	5.8	860	28.39	497	16.41
Total (A)					611	170	629	153	1,095	249	2,584	578	2,328	505
B For Support Activities														
1	Research (2% of A)					3.40		3.05		4.98		11.56		10.09
2	Publicity/Media/outreach activities (1% of A)					1.70		1.53		2.49		5.78		5.05
3	Monitoring and Evaluation (1% of A)					1.70		1.53		2.49		5.78		5.05
4	Livelihood improvement activities. (17% of A)					28.92		25.94		42.34		98.27		85.78
5	Strengthening local-level institutions (5 % A)					8.51		7.63		12.45		28.90		25.23
6	Strengthening FDs (5% A)					8.51		7.63		12.45		28.90		25.23
7	Mission Organisation, operation and maintenance, contingencies and overheads (4% A)					6.81		6.10		9.96		23.12		20.18
Total (B)					-	59.55		53.40	-	87.16		202.32		176.60
Grand Total (A+B)					611	229.68	629	205.99	1,095	336.20	2,584	780.39	2,328	681.16

(अभिजित राय)
(ABHIJIT ROY)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

271

S. N.	Submission/Intervention	Category	Type	Admissible Cost Norm (Rs./ha)	Dhar		Jhabua, Badwani and Sendhwa		S. Sagar and S. Panna		Sheopur and Shivpuri		Total	
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services (4.9 m ha)	a) Moderately dense forest cover, but showing degradation		39,600										
			a) Advance Work	15,840			13	2.06	272	43.01	162	25.64	4,936	781.80
			Total		-	-	13	2.06	272	43.01	162	25.64	4,936	781.80
		b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42,240										
			a) Advance Work	16896	121	20.36	111	18.74	455	76.89	748	126.42	2,076	350.71
			Total		121	20.36	111	18.74	455	76.89	748	126.42	2,076	350.71
			Type B- with limited root stock and open blanks	79200										
			a) Advance Work	31,680	-	-	2.5	0.79	288	91.14	207	65.58	682	216.15
			Total		-	-	2.5	0.79	288	91.14	207	65.58	682	216.15
			Type C- of largely open areas with sparse undergrowth	132000										
			a) Advance Work	52800	7	3.48	67	35.27	119	62.83	183	96.78	615	324.83
			Total		7	3.48	67	35.27	119	62.83	183	96.78	615	324.83
		c) Restoration of grasslands		92400										
			a) Advance Work	36960	64	23.47	194	71.52	112	41.21	480	177.52	862	318.74
			Total		64	23.47	194	71.52	112	41.21	480	177.52	862	318.74
2	Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	f) Restoration of adandoned mining area		264000										
			a) Advance Work	105600	-	-	-	-	6	5.81	8	8.45	24	24.82
			Total		-	-	-	-	6	5.81	8	8.45	24	24.82
3	Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands): 0.2mha	a) Plantation in Urban & Peri-urban areas		264000										
			a) Advance Work	105600	8	8	18	19.0	32	34	18	19.01	166	175.30
			Total		8	8	18	19	32	34	18	19.01	166	175.30
4	Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink): 3 mha	a) Farmer's land including current fallows	Farmer's land	52800										
			a) Advance Work	21120	15	3.23	164	34.70	445	93.88	146	30.79	2,069	437.02
			Total		15	3.23	164	34.70	445	93.88	146	30.79	2,069	437.02
		b) Shelterbelt plantations		211200										
			a) Advance Work	84480	4	3.38	11	8.87	-		-	-	15	12.25

272

(अभिजित राय)
ABHIJIT ROY)
सचिव/Under Secretary
न एवं जलवायु परिवर्तन मंत्रालय
ment, Forest and Climate Chang
पर्यावरण, वन एवं

S. N.	Submission/Intervention	Category	Type	Admissible Cost Norm (Rs./ha)	Dhar		Jhabua, Badwani and Sendhwa		S. Sagar and S. Panna		Sheopur and Shivpuri		Total	
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
			Total		4	* 3.38	11	8.87	-	-	-	-	15	12.25
		c) Highways/Rural roads/Canals/ Tank Bunds		184800										
			a) Advance Work	73920	5	3.62	38	27.94	101	74.66	39	28.90	454	335.60
			Total		5	3.62	38	27.94	101	74.66	39	28.90	454	335.60
5	Sub Mission 5 Restoration of Wetlands: 0.1 mha			158400										
			a) Advance Work	63360	-	-	-	-	4	2.53	4	2.53	16	9.82
			Total		-	-	-	-	4	2.53	4	2.53	16	9.82
6	Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	3300	155	5.10	244	8.04	683	22.54	429	14.16	3,317	109.47
Total (A)					223	71	617	227	1,832	548	1,996	596	11,914	3,096.49
B. For Support Activities														
1	Research (2% of A)					1.42		4.54		10.97		11.92		61.93
2	Publicity/Media/outreach activities (1% of A)					0.71		2.27		5.48		5.96		30.96
3	Monitoring and Evaluation (1% of A)					0.71		2.27		5.48		5.96		30.96
4	Livelihood improvement activities. (17% of A)					12.09		38.58		93.21		101.28		526.40
5	Strengthening local-level institutions (5 % A)					3.55		11.35		27.41		29.79		154.82
6	Strengthening FIDs (5% A)					3.55		11.35		27.41		29.79		154.82
7	Mission Organisation, operation and maintenance, contingencies and overheads (4% A)					2.84		9.08		21.93		23.83		123.86
Total (B)						24.88		79.43		191.90		208.53		1,083.77
Grand Total (A+B)					223	95.98	617	306.36	1,832	740.20	1,996	804.31	11,914	4,180.26

(अभिजित राय)
(ABHIJIT ROY)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Annexure - III

Office of The Principal Chief Conservator of Forest (Head of Forest Force)
Madhya Pradesh,Green India Mission
Satpura Bhawan, Bhopal (M.P.)-462004

Phone:- 0755&2524305] E-Mail: apccfgim@mp.gov.in

Ref./GIM/2019/ **Bhopal, Dated:-**

To,
Shri. Abhijit Roy
Under Secretary
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110003

Subject: Release of 2nd installment of National Mission of Green India (GIM) for the approved Perspective Plan and Annual Plan of Operation of Madhya Pradesh State to carry out Advance Works in FY 2018-19

Ref: This office letter No. GIM/2019/35 Dated 11/01/2019

Please refer to this office letter no. 35 dated 11/01/2018 for request of release of 2nd installment.

2. A provisional Utilization Certificate (U.C.) as on 23/01/2019 is being attached according to which, out of total Central share released to the State, of Rs. 1022.497 Lakhs, the State has utilized a sum of Rs. 843.70 Lakhs (in words Rs. Eight Hundred Forty Three Lakhs and Seventy Thousand only). Most of the units are left with very little amount to carry out the remaining part of the approved APO 2018-19. As per the sheet attached, the Divisions require an amount of Rs 2588.42 Lakhs (in words Rs. Two Thousand Five Hundred Eighty Eight Lakhs and Forty Two thousand only) to carry out the sanctioned APO works for FY 2018-19.

3. Thus the Central share of Rs1393.42 Lakhs (in words One Thousand Three Hundred Ninety Three Lakhs and Forty Two Thousand only) is urgently needed by the State. It is requested to release the amount at the earliest.

This is for information and further necessary action.

Encl.: As mentioned above.

23/01/2019

(K. Raman)
Addl.P.C.C.F & Nodal Officer
Green India Mission
Madhya Pradesh, Bhopal

Copy to:

1) PA to the Principle Chief Conservator of Forests & HoFF, Madhya Pradesh

2) The Pay & Accounts Officer Ministry of Environment, Forest & Climate Change Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003

For information and necessary action

Addl.P.C.C.F & Nodal Officer
Green India Mission
Madhya Pradesh, Bhopal

Office of The Principal Chief Conservator of Forest (Head of Forest Force)
Madhya Pradesh,Green India Mission
Satpura Bhawan, Bhopal (M.P.)-462004

Phone:- 0755&2524305] E-Mail: apccfgim@mp.gov.in

Ref./GIM/2019/ **Bhopal, Dated:-**

To,
Shri. Abhijit Roy
Under Secretary
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110003

Subject: Release of 2nd installment of National Mission of Green India (GIM) for the approved Perspective Plan and Annual Plan of Operation of Madhya Pradesh State to carry out Advance Works in FY 2018-19

Ref: This office letter No. GIM/2019/35 Dated 11/01/2019

Please refer to this office letter no. 35 dated 11/01/2018 for request of release of 2nd installment.

2. A provisional Utilization Certificate (U.C.) as on 23/01/2019 is being attached according to which, out of total Central share released to the State, of Rs. 1022.497 Lakhs, the State has utilized a sum of Rs. 843.70 Lakhs (in words Rs. Eight Hundred Forty Three Lakhs and Seventy Thousand only). Most of the units are left with very little amount to carry out the remaining part of the approved APO 2018-19. As per the sheet attached, the Divisions require an amount of Rs 2588.42 Lakhs (in words Rs. Two Thousand Five Hundred Eighty Eight Lakhs and Forty Two thousand only) to carry out the sanctioned APO works for FY 2018-19.

3. Thus the Central share of Rs1393.42 Lakhs (in words One Thousand Three Hundred Ninety Three Lakhs and Forty Two Thousand only) is urgently needed by the State. It is requested to release the amount at the earliest.

This is for information and further necessary action.

Encl.: As mentioned above.

23/01/2019

(K. Raman)
Addl.P.C.C.F & Nodal Officer
Green India Mission
Madhya Pradesh, Bhopal

Copy to:

1) PA to the Principle Chief Conservator of Forests & HoFF, Madhya Pradesh

2) The Pay & Accounts Officer Ministry of Environment, Forest & Climate Change Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003

For information and necessary action

Addl.P.C.C.F & Nodal Officer
Green India Mission
Madhya Pradesh, Bhopal

MADHYA PRADESH FOREST DEPARTMENT
(M.P.S.F.D.A)
FORM GFR 19-A
Provisional Utilization Certificate [01-04-2018 to 23-01-2019]

S.No	Letter No. and Date		
1	**Centeral Share**		Certified that out of **Rs. 4180.26 lakh (in words Rs. Four thousand One Hundred Eighty Lakhs and Twenty Six Thousand only)** sanctioned towards Grants-in-Aid to the State Govt. of Madhya Pradesh, State Forest Development Agency (MPSFDA) in FY 2018-19 under GIM for the Annual Plan of Operation of FY 2018-19 vide letter No. 9-11/2014/GIM-MP Dated 10/09/2018 an amount of **Rs. 92.21 Lakhs (in words Rs. Ninety Two Lakhs and Twenty One Thousand only)** of balance and as on 01-04-2018 on account of unspent balance of the previous year a sum of **Rs. 843.70 Lakhs (in words Rs. Eight Hundred Forty Three Lakhs and Seventy Thousand only)** has been utilized for the purpose of APO of Green India Mission of FY 2018-19 till 23.01.2019 and a balance of **Rs. 748.13 Lakhs (in words Rs. Seven Hundred Forty Eight Lakhs and Thirteen Thousand only)** remaining unutilized on the said date i.e. 23.01.2019 will be adjusted towards the Grants-in-aid payable during the remaining part of financial year 2018-19.
	NAEB Letter No. 9-11/2014/GIM-MP Date 10/09/2018	1022.497	
2	**Total Central Share**	**1022.497**	
3	**State Share**	**681.664**	
4	**Total Amount**	**1704.161**	

Cettified that I have satisfied my self that conditions on which the grant-in-aid was sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

25/01/2019

(K. Raman)
Member Secretary
M.P. State Forest Development Agency
&
Addl.P.C.C.F & Nodal Officer
Green India Mission
MP, Bhopal

Fund Utilisation status of GIM Madhya Pradesh as on 23-01-2019							
Sr. No	Division	APO Sanctioned for 2018-19 (Rupees in Lakhs)	Amount Spent by divisions as per provisional UC (Rupees in Lakhs)	Balance amount with the divisions (Rupees in Lakhs)	Amount Needed to carryout operation as per APO (Rupees in Lakhs)	Balance amount available as percent of amount needed to meet the expenses of APO (%)	remarks
1	Satna	229.680	52.700	35.852	141.128	25.40	
2	Umaria	218.470	53.131	31.123	134.215	23.19	
3	South Balaghat	323.700	32.185	88.266	203.249	43.43	
4	Hoshangabad	181.500	53.868	13.745	113.887	12.07	
5	South Seoni	328.700	25.120	103.070	200.510	51.40	
6	North Betul	131.900	10.720	33.899	87.281	38.84	
7	West Betul	138.400	-	49.806	88.594	56.22	UC pending
8	Raisen	270.870	50.380	50.370	170.120	29.61	
9	Obedullaganj	311.480	95.590	24.500	191.390	12.80	
10	Sehore	98.810	-	36.410	62.400	58.35	UC pending
11	Dhar	95.980	17.323	18.313	60.344	30.35	
12	Jhabua	108.180	27.901	12.273	68.006	18.05	
13	Badwani	115.260	45.000	1.570	68.690	2.29	
14	Sendhwa	83.030	15.780	8.820	58.430	15.09	
15	South Sagar	332.120	97.310	29.210	205.600	14.21	
16	South Panna	408.150	73.370	81.430	253.350	32.14	
17	Sheopur	459.760	135.360	34.570	289.830	11.93	
18	Shivpuri	344.270	34.290	94.900	215.080	44.12	
19	Headquarters Overheads and research , capacity building expenses		23.675				
	Total	**4,180.260**	**843.703**	**748.128**	**2,588.429**	**28.90**	

(K. Raman)
APCCF(GIM), MP, Bhopal
25/01/2019

Office of The Principal Chief Conservator of Forest (Head of Forest Force)
Madhya Pradesh,Green India Mission
Satpura Bhawan, Bhopal (M.P.)-462004
Phone:- 0755–2524305, **E-Mail: apccfgim@mp.gov.in**

Ref./GIM/2019/ 244 **Bhopal, Dated:-** 22/03/2019

To,

Shri. Abhijit Roy
Under Secretary
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110003

Subject: Release of 2nd installment of National Mission of Green India (GIM) for the approved Perspective Plan and Annual Plan of Operation of Madhya Pradesh State to carry out Advance Works in FY 2018-19

Ref: This office letter No. GIM/2019/77 Dated 25/01/2019, 113 Dt. 06/02/2019, 194 Dt. 07-03-2019, 242 Dt. 20/03/2019

Please refer to the above office letters for request of release of 2nd installment.

2. A revised provisional Utilization Certificate (U.C.) as on 20/03/2019 is being attached according to which, out of total Central share released to the State, of Rs. 1022.497 Lakhs, the State has utilized a sum of Rs. 1442.25 Lakhs (in words Rs. One Thousand Four Hundred Forty Two Lakhs and Twenty Five Thousand only). Most of the units are left with very little amount to carry out the remaining part of the approved APO 2018-19.

3. Thus the Central share of Rs1393.42 Lakhs (in words One Thousand Three Hundred Ninety Three Lakhs and Forty Two Thousand only) is urgently needed by the State. It is requested to release the amount at the earliest.

This is for information and further necessary action.

Encl.: As mentioned above.

22/3

(K. Raman)
Addl.P.C.C.F & Nodal Officer
Green India Mission
Madhya Pradesh, Bhopal

Copy to: 245

1) SPA to the Principle Chief Conservator of Forests & HoFF, Madhya Pradesh 22/03/2019
2) The Pay & Accounts Officer Ministry of Environment, Forest & Climate Change Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003

For information and necessary action

Addl.P.C.C.F & Nodal Officer
Green India Mission
Madhya Pradesh, Bhopal

MADHYA PRADESH FOREST DEPARTMENT
(M.P.S.F.D.A)
FORM GFR 19-A
Provisional Utilization Certificate [01-04-2018 to 20-03-2019]

S.No	Letter No. and Date		Certified that out of **Rs. 4180.26 lakh (in words Rs. Four thousand One Hundred Eighty Lakhs and Twenty Six Thousand only)** sanctioned towards Grants-in-Aid to the State Govt. of Madhya Pradesh, State Forest Development Agency (MPSFDA) in FY 2018-19 under GIM for the Annual Plan of Operation of FY 2018-19 vide letter No. 9-11/2014/GIM-MP Dated 10/09/2018 an amount of **Rs. 92.21 Lakhs (in words Rs. Ninety Two Lakhs and Twenty One Thousand only)** of balance and as on 01-04-2018 on account of unspent balance of the previous year a sum of **Rs. 1442.25 Lakhs (in words Rs. One Thousand Four Hundred Fouty Two Lakhs and Twenty Five Thousand only)** has been utilized for the purpose of APO of Green India Mission of FY 2018-19 till 20.03.2019 and a balance of **Rs. 354.151 Lakhs (in words Rs. Three Hundred Fifty Four Lakhs and Fifteen Thousand only)** remaining unutilized on the said date i.e. 20.03.2019 will be adjusted towards the Grants-in-aid payable during the remaining part of financial year 2018-19.
1	**Unspent balance**	**92.24**	
	Centeral Share		
2	NAEB Letter No. 9-11/2014/GIM-MP Date 10/09/2018	1022.497	
3	**Total Central Share**	**1022.497**	
4	**State Share**	**681.664**	
	Total Amount	**1796.401**	

Cettified that I have satisfied my self that conditions on which the grant-in-aid was sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

(K. Raman)
Member Secretary
M.P. State Forest Development Agency
&
Addl.P.C.C.F & Nodal Officer
Green India Mission
MP, Bhopal

Annexure - IV

F. No. 9-11/2014/GIM-MP
Government of India
Ministry of Environment, Forest and Climate Change
Green India Mission

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110003

Dated: 30th March, 2019

To

The Pay & Accounts Officer
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110003

Subject: Release of 2nd instalment under the National Mission for a Green India (GIM) for the approved Perspective Plan and Annual plan of Operation of Madhya Pradesh State to carry out Advance and Creation works in FY 2018-19: reg.

Sir,

I am directed to convey the sanction of the President of India to release of **Rs. 1393.422** Lakh (Rupees Thirteen Crores, Ninety-Three lakhs, Forty-Two Thousand and Two Hundred only), as second instalment (as per details given in the table in Para 5 below) towards Grants-in-Aid to the State Government of Madhya Pradesh for onward release to the State Forest Development Agency, Madhya Pradesh (SFDA) in FY 2018-19 under GIM for the Annual Plan of Operation of financial year 2018-19.

2. The Competent Authority has approved the Perspective Plan of Madhya Pradesh State having physical target of 340700 ha and 114185 households covered under various sub-missions & intervention and for support activities in 122 L2 landscapes and 735 L3 landscapes within eight selected L1 landscapes. The Perspective Plan is for five years and the total proposed project cost is Rs. 3157.36 Crore at the current wage rate of Rs. 264/day.

3. The Competent Authority has also approved the Annual Plan of Operation (APO) of Madhya Pradesh State for carrying out GIM activities in 117645 ha under five sub-missions and to provide alternative fuel energy to 33167 households with a financial implication of Rs. 396.7258 Crore during 2018-19. However, due to paucity of funds, the Competent Authority has revised the APO for carrying out GIM activities in 11914 ha under five sub-missions and to provide alternative fuel energy to 3317 households with a financial implication of Rs. 41.8026 Crore (Forty-one crore, eighty lakhs and twenty-six thousands)) excluding flexi-funds during 2018-19, to be shared between Central and State Government in the ratio of 60:40 (as per details given in Para 5 below) as per the approved funding norm communicated by Department of Expenditure (DoE), Ministry of Finance (MoF), vide D.O Letter No. 32/PSO/FS/2015 dated October 28, 2015. Accordingly, Rs. 1022.497 Lakhs was released vide Sanction Order No. 9-11/2014/GIM-MP dated 10th September, 2018 to the State. The L2 Landscape-wise Maintenance work plan details enlisting the physical and financial targets are given in **Annexure-I.**

4. As per the Government of India O.M. No. 55(5)/PF. II/2011 dated September 6, 2016 issued by the DoE (MoF); the State may set aside @ 25% Flexi fund on total liability (including the central and state share). The Centre and the State Government will adhere to conformity with the Guidelines for Flexi Funds within Centrally Sponsored Schemes issued by the DoE before seeking flexi-fund under the scheme.

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

5. The fund release for FY 2018-19 has been sanctioned based on the prevailing State Wage Rate i.e. Rs. 264 per day. In case of any revision in the State Wage Rate, the corresponding additional amount will be provided along with the next instalment. The funds shall be released in the following manner:

Amount in Rs. Lakh

Sr. No.	Particulars	Revised APO cost with Support Activities
(a)	Total cost of approved APO without Flexi Fund	4180.265
(b)	Amount to be met by Central Govt. as Central Govt's share [60% of (a)]	2508.159
(c)	Amount to be met by State Govt. as State share [40% of (a)]	1672.106
(d)	Unspent balance of previous year	92.24
(e)	1st instalment has been released during the FY 2018-19	1022.497
(f)	2nd instalment released {(b) - [(d)+(e)]}	**1393.42**

6. The Grants-in-Aid shall be regulated in accordance with the provisions contained in GIM Implementation Guidelines of Ministry of Environment, Forest and Climate Change, Government of India, New Delhi (MoEF&CC). The Grants-in-Aid is also subject to the Chapter 9 of the General Financial Rules (GFR) 2005, as amended from time to time, based on the Government of India's decisions incorporated there-under, and any other guidelines which may be issued in this regard, and in particular subject to the following conditions: -

(i) The Grants-in-Aid to the State Government for onward release to SFDA is subject to the Economy Instructions issued from time to time by the Ministry of Finance or by any Competent Authority so designated.

(ii) No staff is to be provided specifically for the Scheme.

(iii) Assets acquired wholly or substantially out of Government Grants shall not be disposed of without obtaining the prior approval of the sanctioning authority of Grants-in Aid.

(iv) SFDA shall maintain and shall present their Annual Accounts in the standard format as required under GFR 2005 (GFR).

(v) The entire funds should be utilized by the end of the current financial year on pro-rata basis following the provisions of GFR. The SFDA shall furnish Utilization Certificate as per GFR 19-A format giving the unspent balance and interest accrued, stating the reason for non-utilization of funds if any, along with its request for the release of next instalment of The Grants-in-Aid certifying that the fund released to them, for which Utilization Certificates have been issued, has been utilized exclusively in pursuance of objectives envisaged in the Rules/Memorandum of SFDA and that the Grant has been spent as per the instructions/ rules and with the approval of Competent Authority in each case.

(vi) The Accounts of SFDA, as mentioned in Para 7 (b) below, shall be open for inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India or by any person authorized by him on his behalf in accordance with the provisions laid down in Section 14 of the C&AG (DPC) 1971 as amended from time to time and Internal Audit Party by the Principal Accounts Office of the Ministry or Department whenever it is called upon to do so.

(vii) The auditing of accounts of the SFDA/FDAs, as mentioned in Para 7 (b) below, operated for GIM shall be carried out through a reputed Charted Accountant who is also on the panel of C&AG. The audit report must be submitted along with the Utilization Certificate.

(viii) The Grants-in-Aid shall be utilized on pro-rata basis before the end of the current financial year i.e. 2018-19 and unspent balance, if any, shall be refunded by SFDA to the Government of India as per the relevant provisions of GFR 2005.

(ix) Detailed progress report of the activities taken up by SFDA under GIM shall be submitted to MoEF&CC soon after the end of financial year, along with photographs (with date) prior to commencement and after completion of each activity.

(x) The Utilization Certificate and progress report along with photographs should be uploaded by SFDA/State Government in their website for public access.

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

7. The project shall be implemented by SFDA strictly in conformity with the Implementation Guidelines 2014 of Green India Mission including the following: -

a) The activities under the Mission shall be implemented on pro-rata basis in the areas as indicated and in the project proposal and approved by the GIM Directorate.
b) The funds received by the SFDA shall be deposited in its exclusive and separate bank account in a Nationalized Bank, which would be operated jointly by its Chairperson and the Member Secretary. The interest amount if any, accrued on the deposits of these funds shall be treated as part of the SFDA's additional resources and would be adjusted towards further instalments of the grant/assistance in the same financial year.
c) Within a period of seven days of receipt of funds from the State Government of Madhya Pradesh; the SFDA shall transfer the amount earmarked to the concerned FDAs for carrying out proposed activities in different L2 landscapes.
d) The funds received by the FDA from SFDA shall be deposited in its exclusive and separate bank account in a Nationalized Bank, which would be operated jointly by its Chairperson and the Member Secretary. The interest amount if any, accrued on the deposits of these funds shall be treated as part of the FDA's additional resources and would be adjusted towards further instalments of the grant in the same financial year.
e) The FDAs shall release the amount to the JFMCs/EDCs within 15 days of receipt of funds from the SFDA preferably by Electronic Clearance System (ECS).
f) The respective JFMCs/ EDCs shall deposit the funds thus received from the FDA in their exclusive and separate bank account in a Nationalised Bank/ a Cooperative Bank or a Post Office, which would be jointly operated by the President and the Member Secretary. The interest amount if any, accrued on the deposits of these funds shall be treated as part of the JFMC/EDC's additional resources and would be adjusted towards further instalments of the grant in the same financial year.
g) FDA/ JFMCs shall maintain a record of all assets created under the project as per GFR 151 and furnish CST in case of purchase of leviable goods.
h) Contractors / middlemen/ intermediate agencies are not permitted to be engaged for execution of any of the works under the scheme so as to ensure that the full wages are paid to the workers.
i) Payment towards wages/remuneration should be made through bank accounts of recipients in case of contractual engagements in compliance with DBT scheme. The copy of PF and ESI along with the evidence of deposit of TDS/ Service Tax should be submitted to the GIM Directorate.
j) Evidence of deposit of TDS/ Service Tax in case of contract payments and CST in case of purchase of leviable goods.
k) A quarterly statement of accounts and progress of works carried out in the L3 level landscapes shall be submitted by each JFMC/ EDC to the FDA which, in turn, shall compile its own progress report for onward submission to SFDA. SFDA shall prepare a comprehensive Annual Report on the progress of works and utilization of funds in respect of all L2 level landscapes and submit to MoEF&CC, Government of India soon after the end of the financial year.
l) In case a FDA fails to execute the project in the identified L2/L3 landscapes within the stipulated time, including such extensions as may be granted by the Competent Authority, the Competent Authority may, in its discretion, require the SFDA to refund the grant in whole or in such part on account of the concerned FDA along with interest thereon.
m) There shall be no diversion of earmarked funds from one L2/L3 landscape to another one except in case of unavoidable circumstances and only with the prior approval of Mission Directorate.
n) Except for supervening impossibilities, the Chairperson and the Member Secretary of the SFDA/FDA shall be solely responsible and accountable for successful implementation of the project.
o) The funds released under the scheme shall be subject to audit by the Comptroller and Auditor General of India or his nominated officer. Any other agency/ officer (s) authorized by GIM shall have the right of access to the books and accounts of the SFDA/ FDA/JFMCs and EDCs for the funds received under the project.
p) The SFDA shall submit non-diversion and non-embezzlement certificate each time a request for release of grant is made to GIM Directorate.

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

q) The SFDA shall be responsible for guidance, coordination, supervision, periodical reporting and monitoring the implementation of the project by their constituent FDAs/JFMCs/ EDCs. The project shall also be monitored periodically by the respective State Forest Departments and all assistance for this purpose shall be rendered by the SFDA. In addition to this, MoEF&CC shall supervise the project, as and when deemed required.

r) The Competent Authority reserves the right to terminate the grant at any stage if it is convinced that the grant has not been properly utilized or appropriate progress has not been made.

s) The SFDA shall follow strict corruption mitigation strategies while utilizing the funds.

t) The implementation of the project and maintenance of plantations raised there under that spill over to the next year shall be the responsibility of the State Government unless the GIM scheme is continued.

u) SFDA shall take necessary steps to ensure raising of quality seedlings and maximum survival of plants under the GIM Scheme. The survival percentage of plantation shall be reflected in the subsequent Quarterly Progress Report submitted to the Ministry along with the details on the progress of activities carried out under the Mission.

v) SFDA shall also submit a certificate to the effect that all conditions laid down in the Implementation Guidelines and the Sanction Order are being followed each time a request for release of grant is made to GIM Directorate.

w) The project should be completed within the stipulated time period as reflected in the Perspective Plan and APO. The SFDA shall furnish two (2) copies of detailed report to Mission Directorate within two months of completion of the project.

x) The expenditure for the purchase of equipment's and creation of capital assets must not exceed 5% of the total cost of the APO and a copy of purchase of permanent equipment's may be furnished.

8. The SFDA shall also ensure the following conditions, prior to seeking the release of the next instalment of funds:

a) The State Government shall ensure that the work of preparation of comprehensive Micro-level plans is duly carried out after taking into account all the activities/interventions to be implemented with the funds available from various sources/complementary schemes to ensure convergence. The information related to such financial micro-planning in respect of the landscapes showing the details of the break-up of the funds from various sources (e.g. MoEF&CC, CAMPA, MNREGS, etc.) that are required to be converged in the ratio approved by the CCEA shall be furnished by the State Government.

b) The detailed baseline data after preparation of micro-plans for L3 level landscapes in respect of all the monitorable parameters shall be furnished by the State Government while submitting the proposal for release of further funds.

c) Latitude/longitude coordinates of each landscape/area of intervention where the activities under GIM or convergence activities are proposed with any other complementary scheme will be furnished by the State Government.

d) Geo-coordinates along with geo-referenced maps (including soft copy in .shp/.kml format) for each landscape/area where the activities under GIM or under convergence are proposed and being undertaken shall be duly authenticated by an officer.

e) Satellite photographs with dates and GPS coordinates should be furnished before and after the implementation of the scheme and furnished with the physical progress report. The photographs should be taken both before commencement and after completing of each activity e.g. advanced work and creation.

f) Ensure saturation of the selected landscapes sequentially starting with L3s and progressing over L2s and L1s with the requisite interventions in the stipulated time period to avoid duplication.

g) The release of the first instalment would also be subject to the condition that the State will provide a matching share as per the present funding pattern. The contribution of State's matching share should be reflected in the UC.

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

h) Conformity with the guidelines for flexi funds within Centrally Sponsored Schemes issued by the Dept. of Expenditure, Ministry of Finance from time to time. The State will ensure that is the State desire to set aside 25% of the Flexi Fund, it should be within the overall allocation to the State and not over and above the cost of the Annual Plan of Operation 2018-19.

i) The yearly data of beneficiaries separately including SCSP and TSP shall be maintained by State. Payment to labour strictly by DBT and evaluation report may be submitted by State.

9. In accordance with the revised procedure, the Reserve Bank of India may please be advised to pass on the credit to the Central Accounts Section, Nagpur for transferring the funds to the accounts of Government of Madhya Pradesh and to debit the amount to the Account of Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi.

10. The State Government of Madhya Pradesh would make provisions in their budget and on receipt of funds from RBI, release the grants of above funds within 15 days of the issue of this sanction letter to SFDA the details of which are given below, under intimation to this office.

Name and Address of SFDA	Name of Bank where A/c of SFDA held	Name and complete address of the bank branch	IFSC/MICR Code/ Bank Branch Code	Type of Account	Account No.
State Forest Development Agency, Madhya Pradesh	Canara Bank	Canara Bank, Plot No. 3, Zone II Maharana Pratap Nagar, Bhopal, M.P.	IFSC: **CNRB0002073** MICR: 462015005	Saving	2073132000075

11. The payment sanctioned above is provisional. The final adjustment shall be made after receipt of the item wise physical and financial Progress Report and the detailed progress report, Utilization Certificate and Audited Expenditure figures from the implementing agency.

12. The implementing agency is requested to ensure that the Central Assistance being released shall be gainfully utilized in furtherance of the approved work without any time overrun under the project/scheme. The proposed area coverage under the work programme should not be over-lapping with any other Central/State scheme and there should be no duplication of central / external assistance in any case.

13. The expenditure is debitable to the following Head of Accounts under Demand No. 27 of Ministry of Environment, Forest and Climate Change (2018-19):

Items	Budget Head	Allocation (in Rs. Lakh)
General	3601.06.101.01.01.31	1393.422
	Total	**1393.422**

14. The sanction issues with the approval of the Competent Authority under the power delegated to the Ministries/Departments with the concurrence of Integrated Finance Division vide their Diary No. 110131AS&FA dated 30-03-2019.

Yours faithfully

(Naresh Jaiswal)
Under Secretary to the Govt. of India

Encl: as above

Copy to: -

1. The Chief Secretary, Govt. of Madhya Pradesh

2. The Additional Chief Secretary, Department of Finance, Govt. of Madhya Pradesh
3. The Additional Chief Secretary, Department of Planning, Govt. of Madhya Pradesh
4. The Additional Chief Secretary, Forest, Govt. of Madhya Pradesh
5. Principal Chief Conservator of Forests, Department of Forest, Govt. of Madhya Pradesh
6. The Accountant General (A&E), Govt. of Madhya Pradesh
7. The Addl. Pr. Chief Conservator of Forests, Regional Office Western Zone, MoEF&CC, Govt. of India, Bhopal
8. Additional Secretary & Financial Advisor, MoEF&CC, New Delhi.
9. Inspector General of Forests (Forest Conservation), MoEF&CC, New Delhi.
10. Joint Secretary (Climate Change), MoEF&CC, New Delhi.
11. Joint Secretary (MGNREGS)-RE-I, MoRD, New Delhi.
12. Joint Secretary (PF-II), Department of Expenditure, Ministry of Finance, New Delhi.
13. The Manager, Reserve Bank of India, Nagpur.
14. The Principal Director (Audit), Scientific Department, AGCR Building, New Delhi.
15. Account Officer (B&A), MoEF&CC, New Delhi.
16. Sanction Folder/ Guard File.

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Annexure-1: Work Plan giving landscape-wise details for carrying out Advance work of FY 2018-19

Wage Rate: Rs. 264/day

Physical Target in Ha. And Financial Target in Rs. Lakh

S. N.	Submission/Intervention	Category	Type	Admissible Cost Norm (Rs./ha)	Satna		Umaria		South Balaghat		Hoshangabad, S. Seoni, N. Betul and W. Betul		Raisen, Obedullaganj and Sehore	
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services (4.9 m ha)	a) Moderately dense forest cover, but showing degradation		**39,600**										
			a) Advance Work	15,840	178	28.12	476	75.32	571	90.37	1,803	285.63	1,463	231.66
			Total		**178**	**28.12**	**476**	**75.32**	**571**	**90.37**	**1,803**	**285.63**	**1,463**	**231.66**
		b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	**42,240**			-	-	-	-	-	-		
			a) Advance Work	16896	132	22.22	-	-	144	24.25	81	13.75	285	48.09
			Total		**132**	**22.22**	-	-	**144**	**24.25**	**81**	**13.75**	**285**	**48.09**
			Type B- with limited root stock and open blanks	**79200**			-	-	-	-	-	-		
			a) Advance Work	31,680	10	3.17	-	-	2	0.48	71	22.62	102	32.38
			Total		**10**	**3.17**	-	-	**2**	**0.48**	**71**	**22.62**	**102**	**32.38**
			Type C- of largely open areas with sparse undergrowth	**132000**			-	-	-	-	-	-		
			a) Advance Work	52800	51	26.93	77	40.39	18	9.24	46	24.02	49	25.87
			Total		**51**	**26.9**	**77**	**40.39**	**18**	**9.24**	**46**	**24.02**	**49**	**25.87**
		c) Restoration of grasslands		**92400**			-	-	-	-	-	-		
			a) Advance Work	36960	-	-	-	-	-	-	5	1.66	9	3.36
			Total		-	-	-	-	-	-	**5**	**1.66**	**9**	**3.36**
2	Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	f) Restoration of abandoned mining area		**264000**			-	-	-	-	-	-		
			a) Advance Work	105600	5	5.28	-	-	3	2.64	-	-	3	2.64
			Total		**5**	**5.28**	-	-	**3**	**2.64**	-	-	**3**	**2.64**
3	Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands): 0.2mha	a) Plantation in Urban & Peri-urban areas		**264000**	-		-	-	-	-	-	-		
			a) Advance Work	105600	20	21.12	8	8.45	12	12.67	30	32	20	21
			Total		**20**	**21.12**	**8**	**8.45**	**12**	**12.67**	**30**	**32**	**20**	**21**

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

S. N.	Submission/Intervention	Category	Type	Admissible Cost Norm (Rs./ha)	Satna		Umaria		South Balaghat		Hoshangabad, S. Seoni, N. Betul and W. Betul		Raisen, Obedullaganj and Sehore	
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
4	Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink): 3 mha	a) Farmer's land including current fallows	Farmer's land	**52800**			-	-	-	-	-	-		
			a) Advance Work	21120	183	38.65	58	12.25	290	61.25	445	93.92	324	68.34
			Total		**183**	**38.65**	**58**	**12.25**	**290**	**61.25**	**445**	**93.92**	**324**	**68.34**
		b) Shelterbelt plantations		**211200**			-	-	-	-	-	-		
			a) Advance Work	84480	-	-	-	-	-	-	-	-	-	-
			Total		-	-	-	-	-	-	-	-	-	-
		c) Highways/Rural roads/Canals/ Tank Bunds		**184800**			-	-	-	-	-	-		
			a) Advance Work	73920	33	24.02	11	7.76	57	42.36	101	74.81	70	51.52
			Total		**33**	**24.02**	**11**	**7.76**	**57**	**42.36**	**101**	**74.81**	**70**	**51.52**
5	Sub Mission 5: Restoration of Wetlands: 0.1 mha			**158400**			-	-	-	-	-	-		
			a) Advance Work	63360	-	-	-	-	-	-	3	1.58	5	3.17
			Total		-	-	-	-	-	-	**3**	**1.58**	5	3.17
6	Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	19	0.63	255	8.42	176	5.8	860	28.39	497	16.41
Total (A)					**611**	**170**	**629**	**153**	**1,095**	**249**	**2,584**	**578**	**2,328**	**505**
B. For Support Activities														
1	Research (2% of A)					3.40		3.05		4.98		11.56		10.09
2	Publicity/Media/outreach activities (1% of A)					1.70		1.53		2.49		5.78		5.05
3	Monitoring and Evaluation (1% of A)					1.70		1.53		2.49		5.78		5.05
4	Livelihood improvement activities, (17% of A)					28.92		25.94		42.34		98.27		85.78
5	Strengthening local-level institutions (5 % A)					8.51		7.63		12.45		28.90		25.23
6	Strengthening FDs (5% A)					8.51		7.63		12.45		28.90		25.23
7	Mission Organisation, operation and maintenance, contingencies and overheads (4% A)					6.81		6.10		9.96		23.12		20.18
Total (B)					-	**59.55**		**53.40**	-	**87.16**		**202.32**		**176.60**
Grand Total (A+B)					**611**	**229.68**	**629**	**205.99**	**1,095**	**336.20**	**2,584**	**780.39**	**2,328**	**681.16**

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

S. N.	Submission/Intervention	Category	Type	Admissible Cost Norm (Rs./ha)	Dhar		Jhabua, Badwani and Sendhwa		S. Sagar and S. Panna		Sheopur and Shivpuri		Total	
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services (4.9 m ha)	a) Moderately dense forest cover, but showing degradation		**39,600**										
			a) Advance Work	15,840			13	2.06	272	43.01	162	25.64	4,936	781.80
			Total		-	-	**13**	**2.06**	**272**	**43.01**	**162**	**25.64**	4,936	781.80
		b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	**42,240**										
			a) Advance Work	16896	121	20.36	111	18.74	455	76.89	748	126.42	2,076	350.71
			Total		**121**	**20.36**	**111**	**18.74**	**455**	**76.89**	**748**	**126.42**	2,076	350.71
			Type B- with limited root stock and open blanks	**79200**										
			a) Advance Work	31,680	-	-	2.5	0.79	288	91.14	207	65.58	682	216.15
			Total		-	-	**2.5**	**0.79**	**288**	**91.14**	**207**	**65.58**	682	216.15
			Type C- of largely open areas with sparse undergrowth	**132000**										
			a) Advance Work	52800	7	3.48	67	35.27	119	62.83	183	96.78	615	324.83
			Total		**7**	**3.48**	**67**	**35.27**	**119**	**62.83**	**183**	**96.78**	615	324.83
		c) Restoration of grasslands		**92400**										
			a) Advance Work	36960	64	23.47	194	71.52	112	41.21	480	177.52	862	318.74
			Total		**64**	**23.47**	**194**	**71.52**	**112**	**41.21**	**480**	**177.52**	862	318.74
2	Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	f) Restoration of adandoned mining area		**264000**										
			a) Advance Work	105600	-	-	-	-	6	5.81	8	8.45	24	24.82
			Total		-	-	-	-	**6**	**5.81**	**8**	**8.45**	24	24.82
3	Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands): 0.2mha	a) Plantation in Urban & Peri-urban areas		**264000**										
			a) Advance Work	105600	8	8	18	19.0	32	34	18	19.01	166	175.30
			Total		**8**	**8**	**18**	**19**	**32**	**34**	**18**	**19.01**	166	175.30
4	Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink): 3 mha	a) Farmer's land including current fallows	Farmer's land	**52800**										
			a) Advance Work	21120	15	3.23	164	34.70	445	93.88	146	30.79	2,069	437.02
			Total		**15**	**3.23**	**164**	**34.70**	**445**	**93.88**	**146**	**30.79**	2,069	437.02
		b) Shelterbelt plantations		**211200**										
			a) Advance Work	84480	4	3.38	11	8.87	-		-	-	15	12.25

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment,Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

S. N.	Submission/Intervention	Category	Type	Admissible Cost Norm (Rs./ha)	Dhar		Jhabua, Badwani and Sendhwa		S. Sagar and S. Panna		Shcopur and Shivpuri		Total	
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
			Total		**4**	**3.38**	**11**	**8.87**	-	-	-	-	15	12.25
		c) Highways/Rural roads/Canals/ Tank Bunds		**184800**										
			a) Advance Work	73920	5	3.62	38	27.94	101	74.66	39	28.90	454	335.60
			Total		**5**	**3.62**	**38**	**27.94**	**101**	**74.66**	**39**	**28.90**	454	335.60
5	Sub Mission 5: Restoration of Wetlands: 0.1 mha			**158400**										
			a) Advance Work	63360	-	-	-	-	4	2.53	4	2.53	16	9.82
			Total		-	-	-	-	**4**	**2.53**	**4**	**2.53**	16	9.82
6	Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	155	5.10	244	8.04	683	22.54	429	14.16	3,317	109.47
Total (A)					**223**	**71**	**617**	**227**	**1,832**	**548**	**1,996**	**596**	**11,914**	**3,096.49**
B. For Support Activities									-					
1	Research (2% of A)					1.42		4.54		10.97		11.92		61.93
2	Publicity/Media/outreach activities (1% of A)					0.71		2.27		5.48		5.96		30.96
3	Monitoring and Evaluation (1% of A)					0.71		2.27		5.48		5.96		30.96
4	Livelihood improvement activities, (17% of A)					12.09		38.58		93.21		101.28		526.40
5	Strengthening local-level institutions (5 % A)					3.55		11.35		27.41		29.79		154.82
6	Strengthening FDs (5% A)					3.55		11.35		27.41		29.79		154.82
7	Mission Organisation, operation and maintenance, contingencies and overheads (4% A)					2.84		9.08		21.93		23.83		123.86
Total (B)						**24.88**		**79.43**		**191.90**		**208.53**		**1,083.77**
Grand Total (A+B)					**223**	**95.98**	**617**	**306.36**	**1,832**	**740.20**	**1,996**	**804.31**	**11,914**	**4,180.26**

289

(नरेश जायसवाल)
(NARESH JAISWAL)
अवर सचिव/Under Secretary
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
M/o Environment,Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Annexure - V

(1 to 3) (1)

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	SATNA				UMARIA				SOUTH BALAGHAT				DHAR				Hoshangabad			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600																				
		a) Advance Work	15840	178	28.12	178	13.50	476	75.32	476	39.45	571	90.37	571	61.13	0	0.00	0.00	0.00	540	85.46	340	34.18
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		178	28.12	178	13.50	476	75.32	476	39.45	571	90.37	571	61.13	0	0.00	0	0.00	540	85.46	340	34.18
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	16896	132	22.22	132	12.00	0	0.00	0	0.00	144	24.25	144	20.87	121	20.36	121.00	11.99	0	0.00	0	0.00
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		132	22.22	132	12.00	0	0.00	0	0.00	144	24.25	144	20.87	121	20.36	121	11.99	0	0.00	0	0.00
		Type B- with limited root stock and open blanks	79200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	31680	10	3.17	10	3.00	0	0.00	0	0.00	2	0.48	2	0.80	0	0.00	0.00	0.00	0	0.00	0	0.00
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		10	3.17	10	3.00	0	0.00	0	0.00	2	0.48	2	0.80	0	0.00	0	0.00	0	0.00	0	0.00
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	52800	51	26.93	51	17.00	94	49.63	94	41.14	0	0.00	0	0.00	7	3.48	7.00	1.97	0	0.00	0	0.00
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		51	26.93	51	17.00	94	49.63	94	41.14	0	0.00	0	0.00	7	3.48	7	1.97	0	0.00	0	0.00
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	36960	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	64	23.47	64.00	20.22	0	0.00	0	0.00
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	64	23.47	64	20.22	0	0.00	0	0.00
Sub Mission 2: Ecosystem restoration and increase in forest cover	f) Restoration of adandoned mining area		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	105600	5	5.28	5	4.50	0	0.00	0	0.00	3	2.64	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		5	5.28	5	4.50	0	0.00	0	0.00	3	2.64	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	an		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	SATNA				UMARIA				SOUTH BALAGHAT				DHAR				Hoshangabad			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	a) Plantation in Urban & Peri-urban areas	a) Advance Work	105600	20	21.12	20	5.50	8	8.45	0	0.00	12	12.67	12	2.96	8	8.00	8.00	4.51	0	0.00	0	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		**20**	**21.12**	**20**	**5.50**	**8**	**8.45**	**0**	**0.00**	**12**	**12.67**	**12**	**2.96**	**8**	**8.00**	**8**	**4.51**	**0**	**0.00**	**0**	**0.00**
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	a) Farmer's land including current fallows	Farmer's land	52800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	21120	183	38.66	183	18.50	58	12.25	0	0.00	290	61.25	44	5.40	15	3.23	0.00	0.00	97	20.49	97	8.19
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		**183**	**38.66**	**183**	**18.50**	**58**	**12.25**	**0**	**0.00**	**290**	**61.25**	**44**	**5.40**	**15**	**3.23**	**0**	**0.00**	**97**	**20.49**	**97**	**8.19**
	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	4	3.38	4.00	1.87	0	0.00	0	0.00
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	16896	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**4**	**3.38**	**4**	**1.87**	**0**	**0.00**	**0**	**0.00**
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	73920	33	24.03	33	11.55	11	7.76	0	0.00	57	42.36	57	26.08	5	3.62	5.00	0.75	24	17.74	24	7.10
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		**33**	**24.03**	**33**	**11.55**	**11**	**7.76**	**0**	**0.00**	**57**	**42.36**	**57**	**26.08**	**5**	**3.62**	**5**	**0.75**	**24**	**17.74**	**24**	**7.10**
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		a) Advance Work	63360	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		II Year	12672	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	3300	19	0.61	0	0.00	255	8.42	0	0.00	176	5.79	0	0.00	155	5.10	0.00	0.00	333	10.99	333	4.40
Total A				611	170.14	612	85.55	646	161.83	570	80.59	1077	239.81	830	117.24	223	70.65	209	41.31	661	134.67	461	53.87

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	SATNA				UMARIA				SOUTH BALAGHAT				DHAR				Hoshangabad			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Activities Cost				0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00
Research (2% of A)				0	3.40	0	2.00	0	3.24	0	0.30	0	4.80	0	0.00	0.00	1.41	0.00	0.00	0	2.69	0	0.00
Publicity/Media/outreach activities (1% of A)				0	1.70	0	0.50	0	1.62	0	0.05	0	2.40	0	0.00	0.00	0.71	0.00	0.00	0	1.35	0	0.00
Monitoring and Evaluation (1% of A)				0	1.70	0	0.50	0	1.62	0	0.00	0	2.40	0	0.00	0.00	0.71	0.00	0.00	0	1.35	0	0.00
Livelihood improvement activities, (17% of A)				0	28.92	0	10.00	0	27.51	0	0.30	0	40.77	0	3.20	0.00	12.01	0.00	3.72	0	22.89	0	0.00
Strengthening local-level institutions (5 % A)				0	8.51	0	4.00	0	8.09	0	0.00	0	11.99	0	0.00	0.00	3.53	0.00	0.00	0	6.73	0	0.00
Strengthening FDs (5% A)				0	8.51	0	4.00	0	8.09	0	0.00	0	11.99	0	0.00	0.00	3.53	0.00	0.00	0	6.73	0	0.00
Mission Organisation, operation and maintenance, contingencies and overheads (4% A)				0	6.81	0	2.00	0	6.47	0	0.00	0	9.59	0	0.00	0.00	2.83	0.00	0.00	0	5.39	0	0.00
PPSU																							
FSI																							
IIFM																							
Over Head																							
Total B				**0**	**59.55**	**0.00**	**23.00**	**0.00**	**56.64**	**0.00**	**0.65**	**0.00**	**83.93**	**0.00**	**3.20**	**0.00**	**24.73**	**0.00**	**3.72**	**0.00**	**47.14**	**0**	**0.00**
Grand Total (A+B)				**611**	**229.69**	**612**	**108.55**	**646**	**218.47**	**570**	**81.24**	**1077**	**323.74**	**830**	**120.44**	**223**	**95.37**	**209**	**45.03**	**661**	**181.81**	**461**	**53.87**

Addl.Principal Chief Conservator of Forest
Green India Mission
Madhya Pradesh, Bhopal

(1 to 3) ①

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	South Seoni				North Betul				West Betul				Sheopur				Shivpuri			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600																				
		a) Advance Work	15840	352	55.79	352	59.43	335	52.99	335	21.59	577	91.40	577	25.16	66	10.44	66	9.86	96	15.20	96	23.15
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**352**	**55.79**	**352**	**59.43**	**335**	**52.99**	**335**	**21.59**	**577**	**91.40**	**577**	**25.16**	**66**	**10.44**	**66**	**9.86**	**96**	**15.20**	**96**	**23.15**
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	16896	81	13.75	81	18.54	0	0.00	0	0.00	0	0.00	0	0.00	374	63.26	270	51.39	374	63.13	0	0.00
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**81**	**13.75**	**81**	**18.54**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**374**	**63.26**	**270**	**51.39**	**374**	**63.13**	**0**	**0.00**
		Type B- with limited root stock and open blanks	79200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	31680	71	22.62	61	27.35	0	0.00	0	0.00	0	0.00	0	0.00	178	56.38	178	43.71	29	9.19	29	9.65
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**71**	**22.62**	**61**	**27.35**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**178**	**56.38**	**178**	**43.71**	**29**	**9.19**	**29**	**9.65**
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	52800	46	24.02	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	99	52.53	99	24.18	84	44.24	84	44.42
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**46**	**24.02**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**99**	**52.53**	**99**	**24.18**	**84**	**44.24**	**84**	**44.42**
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	36960	5	1.66	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	369	136.36	369	54.31	111	41.13	111	51.97
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		5	1.66	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	369	136.36	369	54.31	111	41.13	111	51.97
Sub Mission 2: Ecosystem restoration and increase in forest cover	f) Restoration of adandoned mining area		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	105600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	8	8.45	0	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**8**	**8.45**	**0**	**0.00**
	an		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	South Seoni				North Betul				West Betul				Sheopur				Shivpuri			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	a) Plantation in Urban & Peri-urban areas	a) Advance Work	105600	30	31.68	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	18	19.01	0	0.00
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**30**	**31.68**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**18**	**19.01**	**0**	**0.00**
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	a) Farmer's land including current fallows	Farmer's land	52800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	21120	261	55.17	261	22.87	75	15.73	0	0.00	12	2.53	0	0.00	48	10.09	0	0.00	98	20.69	0	0.00
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**261**	**55.17**	**261**	**22.87**	**75**	**15.73**	**0**	**0.00**	**12**	**2.53**	**0**	**0.00**	**48**	**10.09**	**0**	**0.00**	**98**	**20.69**	**0**	**0.00**
	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	16896	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	73920	58	43.02	0	0.00	17	12.20	0	0.00	3	1.85	0	0.00	0	0.00	0	0.00	39	28.90	0	0.00
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**58**	**43.02**	**0**	**0.00**	**17**	**12.20**	**0**	**0.00**	**3**	**1.85**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**39**	**28.90**	**0**	**0.00**
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	63360	3	1.58	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	4	2.53	0	0.00
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	12672	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**3**	**1.58**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**4**	**2.53**	**0**	**0.00**
Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	**3300**	**182**	**6.01**	**0**	**0.00**	**241**	**7.95**	**0**	**0.00**	**104**	**3.44**	**0**	**0.00**	**283**	**9.35**	**0**	**0.00**	**146**	**4.80**	**0**	**0.00**
Total A				**907**	**255.30**	**755**	**128.19**	**426**	**88.87**	**335**	**21.59**	**592**	**99.22**	**577**	**25.16**	**1134**	**338.41**	**982**	**183.45**	**861**	**257.27**	**320**	**129.19**

(3)

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	South Seoni				North Betul				West Betul				Sheopur				Shivpuri			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Activities Cost				0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Research (2% of A)				0	5.11	0	0.00	0	1.78	0	0.00	0	1.98	0	0.00	0	6.77	0	0.00	0	5.15	0	0.00
Publicity/Media/outreach activities (1% of A)				0	2.55	0	0.00	0	0.89	0	0.08	0	0.99	0	0.00	0	3.38	0	0.00	0	2.57	0	0.00
Monitoring and Evaluation (1% of A)				0	2.55	0	0.00	0	0.89	0	0.00	0	0.99	0	0.00	0	3.38	0	0.00	0	2.57	0	0.00
Livelihood improvement activities, (17% of A)				0	43.40	0	0.00	0	15.11	0	3.18	0	16.87	0	0.26	0	57.53	0	13.48	0	43.74	0	0.00
Strengthening local-level institutions (5 % A)				0	12.77	0	0.00	0	4.44	0	0.00	0	4.96	0	0.00	0	16.92	0	0.00	0	12.86	0	0.00
Strengthening FDs (5% A)				0	12.77	0	0.00	0	4.44	0	0.46	0	4.96	0	0.00	0	16.92	0	0.00	0	12.86	0	0.00
Mission Organisation, operation and maintenance, contingencies and overheads (4% A)				0	10.21	0	0.00	0	3.55	0	0.00	0	3.97	0	0.00	0	13.54	0	0.00	0	10.29	0	0.00
PPSU																							
FSI																							
IIFM																							
Over Head																							
Total B				**0.00**	**89.36**	**0**	**0.00**	**0.00**	**31.10**	**0**	**3.72**	**0.00**	**34.73**	**0**	**0.26**	**0.00**	**118.44**	**0**	**13.48**	**0.00**	**90.04**	**0**	**0.00**
Grand Total (A+B)				**907**	**344.66**	**755**	**128.19**	**426**	**119.97**	**335**	**25.31**	**592**	**133.95**	**577**	**25.42**	**1134**	**456.85**	**982**	**196.93**	**861**	**347.31**	**320**	**129.19**

Addl Principal Chief Conservator of Forest
Green India Mission
Madhya Pradesh, Bhopal

(1 to 3)

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Jhabua				Barwani				Sendhwa				South Sagar				South Panna			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600																				
		a) Advance Work	15840	0	0.00	0.00	0.00	0	0.00	0.00	0.00	13	2.06	13	2.00	213	33.66	213	20.54	59	9.35	59	3.62
		b) Creation	13860	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	4752	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	3168	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	1980	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**13**	**2.06**	**13**	**2.00**	**213**	**33.66**	**213**	**20.54**	**59**	**9.35**	**59**	**3.62**
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	16896	0	0.00	0.00	0.00	0	0.00	0.00	0.00	111	18.75	111	8.74	152	25.68	152	14.10	303	51.22	303	29.69
		b) Creation	14784	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	5069	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	3379	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	2112	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**111**	**18.75**	**111**	**8.74**	**152**	**25.68**	**152**	**14.10**	**303**	**51.22**	**303**	**29.69**
		Type B- with limited root stock and open blanks	79200	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	31680	3	0.79	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	74	23.45	74	15.74	214	67.71	214	47.70
		b) Creation	27720	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	9504	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	6336	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	3960	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**3**	**0.79**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**74**	**23.45**	**74**	**15.74**	**214**	**67.71**	**214**	**47.70**
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	52800	45	23.66	45.00	19.18	22	11.62	22.00	6.01	0	0.00	0	0.00	0	0.00	0	0.00	119	62.84	119	39.21
		b) Creation	46200	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	15840	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	10560	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	6600	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**45**	**23.66**	**45**	**19.18**	**22**	**11.62**	**22**	**6.01**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**119**	**62.84**	**119**	**39.21**
	c) Restoration of grasslands		92400	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	36960	39	14.42	39.00	8.72	135	49.92	135.00	32.79	20	7.21	20	6.32	0	0.00	0	0.00	112	41.21	112	22.11
		b) Creation	32340	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	11088	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	7392	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	4620	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**39**	**14.42**	**39**	**8.72**	**135**	**49.92**	**135**	**32.79**	**20**	**7.21**	**20**	**6.32**	**0**	**0.00**	**0**	**0.00**	**112**	**41.21**	**112**	**22.11**
Sub Mission 2: Ecosystem restoration and increase in forest cover	f) Restoration of adandoned mining area		264000	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	105600	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	6	5.81	0	0.00
		b) Creation	92400	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**6**	**5.81**	**0**	**0.00**
	an		264000	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	33.79	0	0.00	0	0.00	0	0.00

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Jhabua				Barwani				Sendhwa				South Sagar				South Panna			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	a) Plantation in Urban & Peri-urban areas	a) Advance Work	105600	7	7.39	0.00	0.00	0	0.00	0.00	0.00	11	11.62	11	11.00	32	33.79	32	18.51	0	0.00	0	0.00
		b) Creation	92400	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**7**	**7.39**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**11**	**11.62**	**11**	**11.00**	**32**	**33.79**	**32**	**18.51**	**0**	**0.00**	**0**	**0.00**
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	a) Farmer's land including current fallows	Farmer's land	52800	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	21120	81	17.01	0.00	0.00	56	11.75	56.00	1.64	28	5.96	28	5.23	313	66.01	313	38.79	132	27.88	0	0.00
		b) Creation	18480	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	6336	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	4224	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	2640	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**81**	**17.01**	**0**	**0.00**	**56**	**11.75**	**56**	**1.64**	**28**	**5.96**	**28**	**5.23**	**313**	**66.01**	**313**	**38.79**	**132**	**27.88**	**0**	**0.00**
	b) Shelterbelt plantations		211200	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	84480	0	0.00	0.00	0.00	0	0.00	0.00	0.00	11	8.87	11	8.14	0	0.00	0	0.00	0	0.00	0	0.00
		b) Creation	73920	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	25344	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	16896	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	10560	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**11**	**8.87**	**11**	**8.14**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	73920	20	14.42	0.00	0.00	12	8.73	12.00	1.19	7	4.81	7	3.77	68	49.90	68	15.10	34	24.77	34	9.23
		b) Creation	64680	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	22176	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	14784	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	9240	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**20**	**14.42**	**0**	**0.00**	**12**	**8.73**	**12**	**1.19**	**7**	**4.81**	**7**	**3.77**	**68**	**49.90**	**68**	**15.10**	**34**	**24.77**	**34**	**9.23**
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	63360	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	4	2.53	4	2.63	0	0.00	0	0.00
		b) Creation	55440	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	19008	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	12672	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	7920	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**4**	**2.53**	**4**	**2.63**	**0**	**0.00**	**0**	**0.00**
Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	3300	74	2.44	0.00	0.00	102	3.37	0.00	0.00	68	2.23	68	0.00	333	10.99	0	0.00	350	11.55	0	0.00
Total A				193	80.13	84	27.90	224	85.38	225	41.63	200	61.50	201	45.20	855	246.02	856	125.41	977	302.33	841	151.56

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Jhabua				Barwani				Sendhwa				South Sagar				South Panna			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Activities Cost				0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Research (2% of A)				0	1.60	0.00	0.00	0	1.71	0.00	0.00	0	1.23	0	0.00	0	4.92	0	3.66	0	6.05	0	0.00
Publicity/Media/outreach activities (1% of A)				0	0.80	0.00	0.00	0	0.85	0.00	0.00	0	0.62	0	0.00	0	2.46	0	0.03	0	3.02	0	0.00
Monitoring and Evaluation (1% of A)				0	0.80	0.00	0.00	0	0.85	0.00	0.00	0	0.62	0	0.00	0	2.46	0	0.00	0	3.02	0	0.00
Livelihood improvement activities, (17% of A)				0	13.62	0.00	0.00	0	14.51	0.00	6.60	0	10.46	0	0.00	0	41.82	0	12.98	0	51.40	0	0.24
Strengthening local-level institutions (5 % A)				0	4.01	0.00	0.00	0	4.27	0.00	0.00	0	3.08	0	0.00	0	12.30	0	5.00	0	15.12	0	0.00
Strengthening FDs (5% A)				0	4.01	0.00	0.00	0	4.27	0.00	0.00	0	3.08	0	0.00	0	12.30	0	3.45	0	15.12	0	0.00
Mission Organisation, operation and maintenance, contingencies and overheads (4% A)				0	3.21	0.00	0.00	0	3.42	0.00	0.00	0	2.46	0	0.00	0	9.84	0	**0.00**	0	12.09	0	0.00
PPSU																							
FSI																							
IIFM																							
Over Head																							
Total B				**0.00**	**28.05**	**0.00**	**0.00**	**0.00**	**29.88**	**0.00**	**6.60**	**0.00**	**21.53**	**0**	**0.00**	**0.00**	**86.11**	**0**	**25.12**	**0.00**	**105.82**	**0.00**	**0.24**
Grand Total (A+B)				**193**	**108.18**	**84**	**27.90**	**224**	**115.26**	**225**	**48.23**	**200**	**83.03**	**201**	**45.20**	**855**	**332.12**	**856**	**150.53**	**977**	**408.15**	**841**	**151.80**

Addl.Principal Chief Conservator of Forest
Addl.Principal Chief Conservator of Forest
Green India Mission
Madhya Pradesh, Bhopal

(1 to 3)

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Raisen				Obedullaganj				Sehore				Grand Total			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services	a) Moderately dense forest cover, but showing degradation		39600																
		a) Advance Work	15840	541	85.69	541	62.35	680	107.71	680	89.58	242	38.25	242	36.74	4936	781.81	4739	502.28
		b) Creation	13860	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	4752	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	3168	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	1980	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		541	85.69	541	62.35	680	107.71	680	89.58	242	38.25	242	36.74	4936	781.81	4739	502.28
	b) Eco-restoration of degraded open forests	Type A -with plenty of root stock	42240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	16896	69	11.68	69	6.18	180	30.41	180	23.71	36	6.00	0	0.00	2076	350.71	1563	197.21
		b) Creation	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	5069	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	3379	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	2112	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		69	11.68	69	6.18	180	30.41	180	23.71	36	6.00	0	0.00	2076	350.71	1563	197.21
		Type B- with limited root stock and open blanks	79200	102	32.38	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	102	32.38	0	0.00
		a) Advance Work	31680	102	32.38	102	22.00	0	0.00	0	0.00	0	0.00	0	0.00	682	216.15	670	169.95
		b) Creation	27720	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	9504	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	3960	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		102	32.38	102	22.00	0	0.00	0	0.00	0	0.00	0	0.00	682	216.15	670	169.95
		Type C- of largely open areas with sparse undergrowth	132000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	52800	0	0.00	0	0.00	49	25.87	49	6.45	0	0.00	0	0.00	615	324.83	570	199.56
		b) Creation	46200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	15840	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	6600	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		0	0.00	0	0.00	49	25.87	49	6.45	0	0.00	0	0.00	615	324.83	570	199.56
	c) Restoration of grasslands		92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	36960	0	0.00	0	0.00	9	3.36	9	1.19	0	0.00	0	0.00	862	318.74	859	197.63
		b) Creation	32340	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	11088	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	7392	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	4620	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		0	0.00	0	0.00	9	3.36	9	1.19	0	0.00	0	0.00	862	318.74	859	197.63
Sub Mission 2: Ecosystem restoration and increase in forest cover	f) Restoration of adandoned mining area		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	105600	3	2.64	3	2.20	0	0.00	0	0.00	0	0.00	0	0.00	23	24.82	8	6.70
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		3	2.64	3	2.20	0	0.00	0	0.00	0	0.00	0	0.00	23	24.82	8	6.70
	an		264000	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	33.79	0	0.00

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Raisen				Obedullaganj				Sehore				Grand Total			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands)	a) Plantation in Urban & Peri-urban areas	a) Advance Work	105600	20	21.12	20	8.01	0	0.00	0	0.00	0	0.00	0	0.00	166	174.85	103	50.49
		b) Creation	92400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	31680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	21120	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	13200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**20**	**21.12**	**20**	**8.01**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**166**	**174.85**	**103**	**50.49**
Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink)	a) Farmer's land including current fallows	Farmer's land	52800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	21120	121	25.53	0	0.00	134	28.20	0	0.00	69	14.62	0	0.00	2069	437.04	982	100.62
		b) Creation	18480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	6336	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	4224	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	2640	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**121**	**25.53**	**0**	**0.00**	**134**	**28.20**	**0**	**0.00**	**69**	**14.62**	**0**	**0.00**	**2069**	**437.04**	**982**	**100.62**
	b) Shelterbelt plantations		211200	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	84480	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	15	12.25	15	10.01
		b) Creation	73920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	25344	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	16896	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	10560	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**15**	**12.25**	**15**	**10.01**
	c) Highways/Rural roads/Canals/ Tank Bunds		184800	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	73920	24	17.37	0	0.00	32	23.65	0	0.00	14	10.50	0	0.00	454	335.62	240	74.77
		b) Creation	64680	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	22176	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	14784	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	9240	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**24**	**17.37**	**0**	**0.00**	**32**	**23.65**	**0**	**0.00**	**14**	**10.50**	**0**	**0.00**	**454**	**335.62**	**240**	**74.77**
Sub Mission 5: Restoration of Wetlands: 0.1 mha			158400	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		a) Advance Work	63360	0	0.00	0	0.00	0	0.00	0	0.00	5	3.17	0	0.00	16	9.82	4	2.63
		b) Creation	55440	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		c) Maintenance I Year	19008	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		II Year	12672	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		III Year	7920	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		Total		**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**0**	**0.00**	**5**	**3.17**	**0**	**0.00**	**16**	**9.82**	**4**	**2.63**
Promoting alternative fuel energy	Biogas, solar devices, LPG, Biomass-based systems, improved stoves	Per House Hold	3300	128	4.23	0	0.00	349	11.52	0	0.00	20	0.66	0	0.00	3317	109.45	401	4.40
Total A				879	200.65	735	100.74	1084	230.73	918	120.93	365	73.19	242	36.74	11915	3096.08	9753	1516.25

Submission/Intervention	Category	Type	Cost Norm (Rs./ha)	Raisen				Obedullaganj				Sehore				Grand Total			
				Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
Activities Cost				0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Research (2% of A)				0	4.01	0	0.00	0	4.61	0	0.00	0	1.46	0	0.00	0	61.92	0	5.96
Publicity/Media/outreach activities (1% of A)				0	2.01	0	0.00	0	2.31	0	0.00	0	0.73	0	0.00	0	30.96	0	0.66
Monitoring and Evaluation (1% of A)				0	2.01	0	0.00	0	2.31	0	0.00	0	0.73	0	0.00	0	30.96	0	0.50
Livelihood improvement activities, (17% of A)				0	34.11	0	0.00	0	39.22	0	0.00	0	12.44	0	0.00	0	526.33	0	53.96
Strengthening local-level institutions (5 % A)				0	10.03	0	0.00	0	11.54	0	0.00	0	3.66	0	0.00	0	154.80	0	9.00
Strengthening FDs (5% A)				0	10.03	0	0.00	0	11.54	0	0.00	0	3.66	0	0.00	0	154.80	0	7.91
Mission Organisation, operation and maintenance, contingencies and overheads (4% A)				0	8.03	0	0.00	0	9.23	0	0.00	0	2.93	0	0.00	0	123.84	0	2.00
PPSU																			19.80
FSI																			2.41
IIFM																			2.00
Over Head																			5.58
Total B				0.00	70.23	0.00	0.00	0.00	80.75	0	0.00	0.00	25.62	0	0.00	0.00	1083.63	0	109.78
Grand Total (A+B)				879	270.87	735	100.74	1084	311.48	918	120.93	365	98.81	242	36.74	11915	4179.71	9753	1626.03

Addl.Principal Chief Conservator of Forest
Green India Mission
Madhya Pradesh, Bhopal

Addl.Principal Chief Conservator of Forest
Green India Mission
Madhya Pradesh, Bhopal

Annexure - VI

Green India Mission

Activities report for the Year 2018-2019

Background Information of Activities

The Green India Mission with an envisage to increase the forest and tree cover by enhancing the productivity of degraded forests, grasslands, scrublands, etc. and also by improving the quality of the moderately dense forest showing degradation is being implemented in 8 L1 level landscape of the state in 18 Forest Divisions, (L2 level landscapes) which comprises of 122 milli watersheds and 735 micro watersheds, (village level). During 2011-12, the Ministry of Environment, Forest & Climate Change, Govt. of India, funded Rs. 823.50 Lakhs for the Bridge Plan. The activities carried out were Outreach activities, Microplanning, Landscape survey/ identification of L2 and L3 landscapes and Entry Point Activities.

A Perspective Plan (2016-17 to 2020-21) for treating 735,479 ha. under various Sub Missions amounting to Rs. 311951.37 Lakhs was prepared by the state and approved by the National executive council of GIM (MoEF&CC) along with APO for the year 2017-18 for Rs. 39645 Lakh. The ministry released approximately 10% of the APO size i.e Rs. 4180.26 Lakh and released the first instalment. Due to the huge shortage of fund only 11,819 ha of area could be taken up for treatment against the earmarked 1,17,645 ha. proposed and approved in the APO. Due to huge short release of fund during 2018-19, the total target cannot be achieved and hence the Department of Forest, Madhya Pradesh has to re-arrange the approved work programme for the year to spill over the next year.

The site preparation activities carried out in each L3 landscapes with geo-locations and photographs are attached herewith. The 46 photographs in this report are representative of the various types of advance works carried out by the GIM Forest Divisions addressing forestry based activities under submissions of GIM. The report depicts, site preparation works like digging pits for plants, installation of chain-link and fencing poles for protection of plantation sites, grassland/fodder development, singling work, construction of CPT/CPW, ponds, lantana eradication etc.

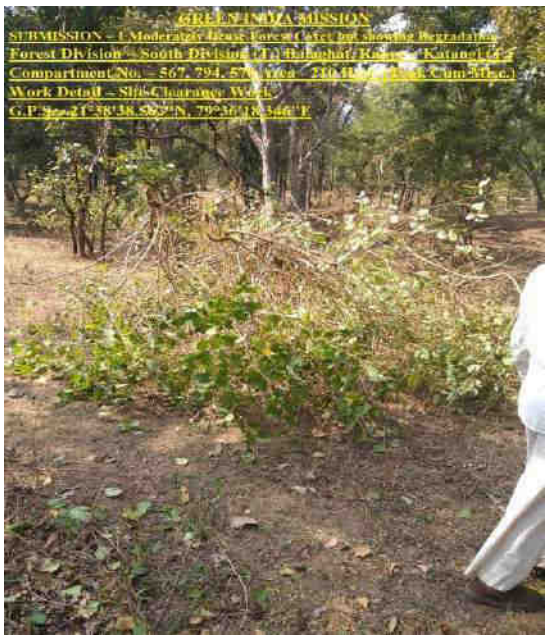
(K. Raman)
A.P.C.C.F & Nodal Officer
Green India Mission
Bhopal, Madhya Pradesh

GREEN INDIA MISSION
MADHYA PRADESH LANDSCAPE ACTIVITIES REPORT
FOR THE YEAR 2018-19

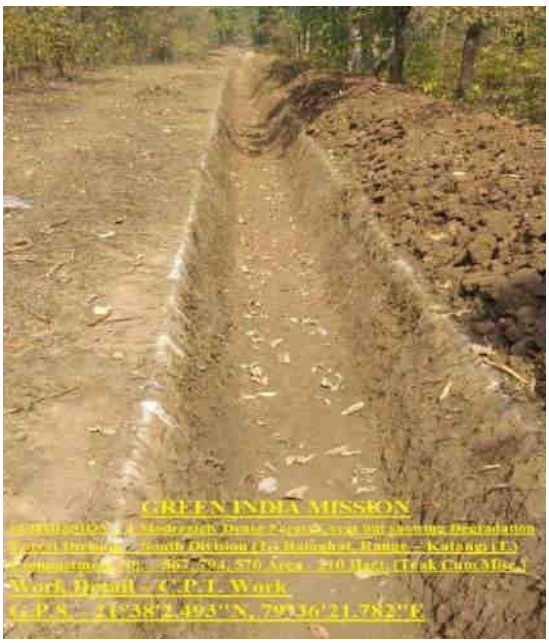
S.No.	Name of L2 (Forest Circle/ Division)	Name of L3	Activities carried out	Geo Locations	Proof of activities carried out.
1	2	3	4	5	6
1	Balaghat/ South Balaghat	Katangi	I. Advance Work- Site cleaning	N 21°38'38.562'' E 79°36'18.346''	Photo enclosed Annexure - 1
		Katangi	II. CPT construction	N 21°38'02.493'' E 79°36'21.782''	Photo enclosed Annexure - 2
2	Betul/ North Betul	Shahpur	Site preparation for plantations	N 22°12'25" E 77°44'46"	Photo enclosed Annexure - 3
3	Betul/ West Betul	Mohda	I. Advance Work- Pit Digging	N 21°52'38" E 77°21'9"	Photo enclosed Annexure - 4
		Mohda	II. Check Dam construction	N 21°52'38'' E 77°21'09"	Photo enclosed Annexure - 5
4	Bhopal/ Obedullahgunj	Bineka	I. Advance Work- Installation of Chain-link & Poles	N 23°5'23'' E 77°47'17"	Photo enclosed Annexure - 6
		Chiklod	II. Advance Work- Pit digging	N 23°5'27'' E 77°46'54"	Photo enclosed Annexure - 7
		Chilwaha	III. Pond Construction	N 23°6'20'' E 77°49'19"	Photo enclosed Annexure - 8
5	Bhopal/ Raisen	Garhi	I. Advance Work- Pit Digging	N 23°19'13" E 78°20'41"	Photo enclosed Annexure - 9
		Garhi	II. Advance Work- Installation of Poles	N 23°21'4" E 78°18'6"	Photo enclosed Annexure - 10
		Garhi	III. Advance Work- Singling	N 23°18'28" E 78°20'36"	Photo enclosed Annexure - 11
6	Bhopal/ Sehore	Joshipur	I. Advance Work- Boundary Demarcation work	N 22°47'47" E 77°45'02"	Photo enclosed Annexure – 12
		----	II. Advance Work- Pit digging	N 22°52'30" E 77°41'27"	Photo enclosed Annexure – 13
7	Chattarpur/ South Panna	Mohandra	I. Advance Work- Staking work for pit digging	N 24°8'43" E 80°1'2"	Photo enclosed Annexure - 14
		Mohandra	II. Advance Work- Lantana eradication	N 24°8'36" E 80°0'38"	Photo enclosed Annexure - 15
		Kaldah	III. Advance Work- Grassland Development	N 24°15'30" E 80°31'57"	Photo enclosed Annexure - 16
8	Gwalior/ Sheopur	Sheopur	I. Advance Work- Site cleaning	N 25°36'50.39" E 76°48'23.04"	Photo enclosed Annexure - 17
		Sheopur	II. Pit Marking Work	N 25°36'49.8" E 76°48'22.6"	Photo enclosed Annexure - 18
		Sheopur	III. Advance Work- Pit Digging	N 25°42'57.5" E 76°49'28.3"	Photo enclosed Annexure - 19
9	Hoshangabad / Hoshangabad	Itarasi	I. Advance Work- Pit Digging	N 22°27'1.93'' E 77°45'17.31''	Photo enclosed Annexure - 20
		Itarasi	II. Lantana eradication	N 22°26'58.84'' E 77°45'28.02''	Photo enclosed Annexure - 21
		Itarasi	III. Pit Staking Work	N 22°27'3.12'' E 77°45'17.45''	Photo enclosed Annexure - 22

10	Indore/Dhar	Dhamnod	I. Advance Work- Pit Digging	N -22°23'58.09'' E- 75°16'02.08''	Photo enclosed Annexure - 23
		Dhar	II. Advance Work- Pit Digging	N 22°28'55.2'' E 75°17'4.4''	Photo enclosed Annexure - 24
11	Indore/ Jhabua	Thandla	I. Advance Work- Pit Digging	N 23°6'32" E 74°39'14.19"	Photo enclosed Annexure - 25
			II.Advance Work- Pit Digging	N 23°6'30" E 74°39'10"	Photo enclosed Annexure - 26
12	Khandwa/ Barwani	Bokrata	Advance Work- Pit Digging	N 21°49'50.9" E 74°41'24.02"	Photo enclosed Annexure-27
		Pati	Advance Work- Pit Digging/Trenching	N 22°1'3.50" E 74°43'0.05"	Photo enclosed Annexure-28
13	Khandwa/ Sendwa	Dhanaura	I. Advance Work- Pit digging	N 21°36'44" E 77°41'27"	Photo enclosed Annexure – 29
		Dhanaura	II. Advance work- Ploughing	N 22°52'30" E 77°41'27"	Photo enclosed Annexure – 30
14	Rewa/Satna	Uchera 2A7E6k	I. Restoration of abandoned mining area	N 24°22'54" E 80°38'01"	Photo enclosed Annexure - 31
		Uchera 2A7E6k	II. Tree Outside Forest: Treatment of Mahua trees on farmer's land	N 24°16'33" E 80°39'25"	Photo enclosed Annexure – 32
15	Sagar/ South Sagar	Sironja 2C1E7d4	**Advance Work- Pit Digging**	N-23^{0}49'17.37'' E- 78^{0}48'37.00''	Photo enclosed Annexure -33
		Chandrapura 2C2G6c5	**Advance Work- Pit Digging**		
			I- Contour Trench work	N-23^{0}48'41'' E- 78^{0}22'15''	Photo enclosed Annexure -34
			II Poles Fixing Work	N-23^{0}48'29.92'' E- 78^{0}22'21.30''	Photo enclosed Annexure -35
			III- Nursery Bed	N-23^{0}48'39.77'' E- 78^{0}22'4.39''	Photo enclosed Annexure -36
		Badarchua 2C1E5s2	**Advance Work**		Photo enclosed Annexure -37
			I- Pit Digging -poles Fixing	N-23^{0}37'25.46'' E- 78^{0}52'21.8''	
16	Seoni/ South Seoni	Keolari 4E5G4r2	I. Cattle Proof Trench	N 22°19'39" E 79°58'34"	Photo enclosed Annexure - 38
			II. Boulder Check Dam	N 21°46'34" E 79°30'35"	Photo enclosed Annexure - 39
			III. Singling Work	N 22°19'50.67" E 80°04'37.45"	Photo enclosed Annexure - 40
			IV. Survey & Demarcation	N 22°19'47.91" E 80°04'29.96"	Photo enclosed Annexure – 41
17	Shahdol/ Umaria	Nowrozabad	I. Advance Work- Pit Digging	N 23°19'15.20" E 80°58'32.89"	Photo enclosed Annexure - 42
		Ghunghuti	II. Bamboo clumps cleaning	N 23°21'44.13" E 81°10'38.57"	Photo enclosed Annexure - 43
		Ghunghuti	III. Constructing CPT	N 23°22'13.02" E 81°11'3.82"	Photo enclosed Annexure - 44
18	Shivpuri/ Shivpuri	Pichore	I. Advance Work- CPW Work	N 25°08'06" E 77°55'05"	Photo enclosed Annexure – 45
		Pichore	II. Advance Work- Fodder Dev. CPW work	N 25°06'15" E 77°54'20"	Photo enclosed Annexure – 46

Annexure-1



Annexure-2



Annexure-3

Annexure-4

Annexure-5

Annexure-6

Annexure-7

Annexure-8

Annexure- 9

Annexure- 10

Annexure-11

Annexure-12

Annexure-13

Annexure-14

Annexure- 15

Annexure- 16

Annexure- 17

Annexure- 18

Annexure- 19

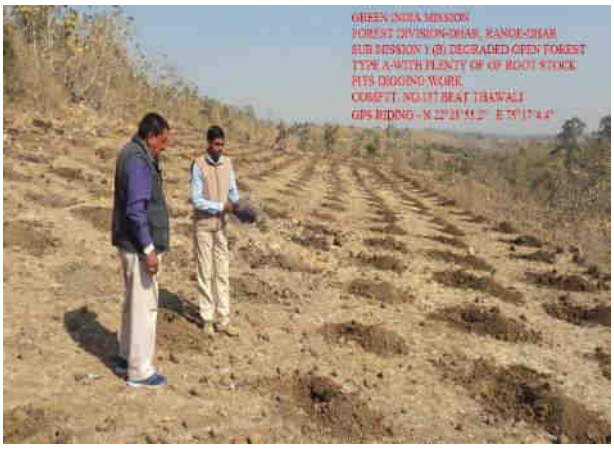
Annexure- 20

Annexure- 21

Annexure- 22

Annexure- 23

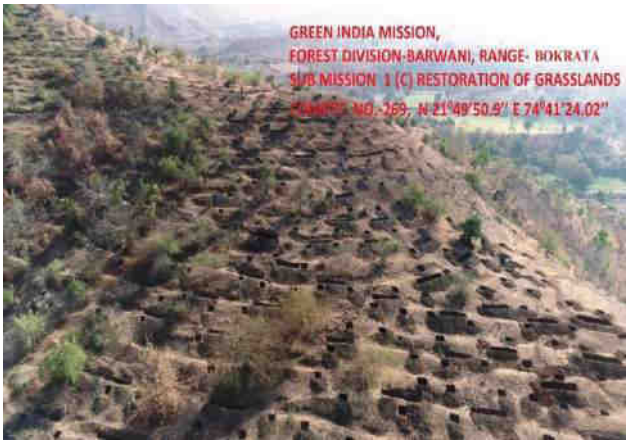
Annexure-24



Annexure- 25

Annexure-26

Annexure- 27



Annexure- 28

Annexure- 29

Annexure- 30

Annexure- 31

Annexure- 32

Annexure- 33

Annexure- 34

Annexure- 35

Annexure- 36

Annexure- 37

Annexure- 38

Annexure- 39

Annexure- 40

Annexure- 41

Annexure- 42

Annexure- 43

Annexure- 44

Annexure- 45

Annexure-46

Annexure - VII

कार्यालय प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख
सतपुड़ा भवन, भोपाल
(कक्ष –ग्रीन इंडिया मिशन)

कार्यालय–दूरभाषः 0755–2524305, ई–मेल:apccfgim@mp.gov.in

क्रमांक / जीआईएम / 2019 / 59

भोपाल, दिनांक 23 / 01 / 19

प्रति,

संचालक,
भारतीय वन प्रबंध संस्थान,
नेहरू नगर, मध्यप्रदेश भोपाल।

विषयः–अपर मुख्य सचिव, मध्यप्रदेश शासन, वन विभाग की अध्यक्षता में ग्रीन इण्डिया मिशन की राज्य स्तरीय कार्यकारी समिति की हुई बैठक दिनांक 26.12.2018 का कार्यवाही विवरण।

संदर्भः–इस कार्यालय का पत्र क्रमांक / जीआईएम / 2019 / 39 दिनांक 14.01.2019

––00––

उपरोक्त विषयान्तर्गत संदर्भ में लेख है कि अपर मुख्य सचिव, मध्यप्रदेश शासन, वन विभाग की अध्यक्षता में ग्रीन इण्डिया मिशन की राज्य स्तरीय कार्यकारी समिति की हुई बैठक दिनांक 26.12.2018 का कार्यवाही विवरण संलग्न है। समिति द्वारा अनुमोदित किये गये बिन्दु क्रमांक–04 एवं 05 पर प्रगति तैयार कर इस कार्यालय को शीघ्र भेजने का अनुरोध है।

संलग्नः–कार्यवाही विवरण की छायाप्रति।

(के. रमन)
अपर प्रधान मुख्य वन संरक्षक
(ग्रीन इंडिया मिशन)
मध्य प्रदेश, भोपाल

O/C

G/F

55

कार्यालय प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख
सतपुड़ा भवन, भोपाल
(कक्ष –ग्रीन इंडिया मिशन)

कार्यालय–दूरभाष: 0755–2524305, ई–मेल:apccfgim@mp.gov.in

क्रमांक / जीआईएम / 2019 / 39 भोपाल, दिनांक 14/1/19

प्रति,

1. श्री बी.एम.एस. राठौर, प्रधान मुख्य वन संरक्षक / प्रबंध संचालक, म.प्र.राज्य वन विकास निगम, भोपाल
2. श्री एस.के. मण्डल, प्रधान मुख्य वन संरक्षक (अनुसंधान एवं विस्तार) म.प्र.
3. मुख्य कार्यपालन अधिकारी, मध्यप्रदेश राज्य ग्रामीण आजीविका मिशन, म.प्र.
4. श्री आर.के. श्रीवास्तव, प्रमुख सलाहकार, राज्य योजना आयोग, म.प्र.
5. श्री अतुल कुमार मिश्रा, अपर सचिव, मध्यप्रदेश शासन, वन विभाग मंत्रालय, म.प्र.
6. श्री आर.एस. चौहान, संचालक (वित्त), प्रधान मुख्य वन संरक्षक, म.प्र.
7. श्री योगेश माहोर, उप टीम लीडर, पी.पी.एस.यू.एस., मध्यप्रदेश राज्य योजना आयोग, भोपाल
8. संचालक, भारतीय वन प्रबंध संस्थान, म.प्र. भोपाल

विषय:– अपर मुख्य सचिव, मध्यप्रदेश शासन, वन विभाग की अध्यक्षता में ग्रीन इण्डिया मिशन की राज्य स्तरीय कार्यकारी समिति की हुई बैठक दिनांक 26.12.2018 का कार्यवाही विवरण।

---0---

उपरोक्त विषयान्तर्गत मध्यप्रदेश शासन, वन विभाग, मंत्रालय के पत्र क्रमांक / एफ03–32 / 2010 / 10–2 दिनांक 22.12.2018 के तारतम्य में ग्रीन इंडिया मिशन की राज्य स्तरीय कार्यकारी समिति की बैठक अपर मुख्य सचिव, मध्यप्रदेश शासन, वन विभाग की अध्यक्षता में दिनांक 26 / 12 / 2018 को संपन्न हुई। जिसका कार्यवाही विवरण संलग्न प्रेषित है।

संलग्न:– उपरोक्तानुसार।

(के.रमन)
अपर प्रधान मुख वन संरक्षक
(ग्रीन इंडिया मिशन)
मध्य प्रदेश,भोपाल
भोपाल, दिनांक 14/1/19

पृ.क्रमांक / जी.आई.एम. / 2019 / 40

प्रतिलिपि–

1. निज सचिव, अपर मुख्य सचिव, मध्यप्रदेश शासन, वन विभाग, मंत्रालय, वल्लभ भवन, भोपाल की ओर सूचनार्थ सम्प्रेषित।
2. वरिष्ठ निज सहायक, प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख, म.प्र. की ओर सूचनार्थ अग्रेषित।

संलग्न:–उपरोक्तानुसार

अपर प्रधान मुख्य वन संरक्षक
(ग्रीन इंडिया मिशन)
मध्य प्रदेश,भोपाल

अपर मुख्य सचिव, मध्यप्रदेश शासन, वन विभाग की अध्यक्षता में ग्रीन इण्डिया मिशन की राज्य स्तरीय कार्यकारी समिति की हुई बैठक दिनांक 26.12.2018 का कार्यवाही विवरण

ग्रीन इंडिया मिशन की राज्य स्तरीय कार्यकारी समिति की बैठक अपर मुख्य सचिव, मध्यप्रदेश शासन, वन विभाग की अध्यक्षता में दिनांक 26/12/2018 को अपर मुख्य सचिव, मध्यप्रदेश शासन, वन के प्रतिकक्ष में अपरान्ह 04.30 बजे संपन्न हुई। बैठक में निम्नानुसार अधिकारी उपस्थित रहे :–

1. श्री एम.के.सपरा, प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख, म.प्र.–सदस्य
2. श्री बी.एम.एस. राठौर, विशेष प्रधान मुख्य वन संरक्षक, मध्यप्रदेश, भोपाल
3. श्री एल.एम. बेलवाल, मुख्य कार्यपालन अधिकारी, मध्प्रदेश राज्य ग्रामीण आजीविका मिशन – सदस्य
4. श्री एस.के. मण्डल, प्रधान मुख्य वन संरक्षक (अनुसंधान एवं विस्तार) म.प्र.
5. श्री आर.के. श्रीवास्तव, प्रमुख सलाहकार, राज्य योजना आयोग, म.प्र.–विशेष आमंत्रित
6. श्री अतुल कुमार मिश्रा, अपर सचिव, मध्यप्रदेश शासन, वन विभाग
7. श्री आर.एस. चौहान, संचालक (वित्त), प्रधान मुख्य वन संरक्षक, म.प्र. – सदस्य
8. श्री योगेश माहोर, उप टीम लीडर, पी.पी.एस.यू.एस., मध्यप्रदेश राज्य योजना आयोग, भोपाल – विशेष आमंत्रित
9. श्री के. रमन, अपर प्रधान मुख्य वन संरक्षक (ग्रीन इंडिया मिशन) मध्यप्रदेश – सदस्य सचिव

1 समिति के सदस्य सचिव, श्री के. रमन, अपर प्रधान मुख्य वन संरक्षक (ग्रीन इंडिया मिशन) द्वारा बैठक में उपस्थित समस्त अधिकारियों का स्वागत किया। उन्होने समिति को अवगत कराया कि मध्यप्रदेश राज्य के लिये ग्रीन इंडिया मिशन की पांच वर्षीय 2016–17 से वर्ष 2020–21 का पर्सपेक्टीव प्लान पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की नेशनल एक्जीक्यूटिव काउंसिल द्वारा राशि रुपये 3157.36 करोड हेतु अनुमोदित है।

ग्रीन इंडिया मिशन के क्रियान्वयन के लिए वर्ष 2018–19 हेतु स्वीकृत ए.पी.ओ.रुपये 396.7258 करोड से 18 वनमंडलों के 122 मिलिवाटरशेड के 7,35,479 हेक्टेयर के उपचार के विरुद्ध पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत शासन, द्वारा पुनरीक्षित ए.पी.ओ. रुपये 41.80 करोड प्राप्त हुआ है। उपरोक्त राशि से 18 वनमंडलों के 11,371 हेक्टेयर में 30 मिलिवाटरशेड के 181 माइक्रोवाटरशेड के उपचार हेतु क्रियान्वयन किया जा रहा है। वनमण्डलवार स्वीकृत गतिविधियों से राज्य कार्यकारी समिति के माननीय सदस्यों को अवगत कराया गया।

2 श्री के.के. सिंह, अपर मुख्य सचिव वन, द्वारा परियोजना में कार्यरत् क्षेत्रीय अमले का क्षमता विकास एव सुदृढीकरण पर विशेष ध्यान देने हेतु निर्देशित किया गया।

3 राज्य योजना आयोग (पी.पी.एस.यू.) द्वारा प्रस्तुत नालेज पार्टनरशिप के तहत निम्नलिखित घटको के लिए रुपये 66 लाख के प्रस्ताव के संबंध में श्री आर.के. श्रीवास्तव,

निरन्तर.....

57

3. मुख्य सलाहकार, राज्य योजना आयोग एवं श्री योगेश माहोर, उप टीम लीडर, राज्य योजना आयोग द्वारा प्रस्तुतीकरण किया गया, जिसका समिति द्वारा अनुमोदन किया गया।

i. ग्रीन इंडिया मिशन द्वारा वर्ष 2018–19 के दौरान चयनित एल–2 लेवल लैण्डसकेप की आधारभूत जानकारी का संकलन।

ii. इकोसिस्टम सर्विसेस इम्प्रूवमेंट परियोजना के प्रदर्श क्षेत्र हेतु चयनित तीनों लैण्डसकेप में सामाजिक, आर्थिक सर्वेक्षण व प्रशिक्षण।

iii. ग्रीन इंडिया मिशन के तहत एल–1 स्तर के 8 लैण्डसकेप निर्धारित है। प्रत्येक एल–1 लेवल लैण्डसकेप के तहत एक–एक मिली वाटरशेड का चयन कर विकेन्द्रीकृत सहयोगात्मक योजना का निर्माण पी.पी.एस.यू. (राज्य योजना आयोग) द्वारा वन विभाग के क्षेत्रीय अधिकारियों के माध्यम से किया जायेगा। यह कार्य योजना अन्य लैण्डसकेप हेतु आदर्श का कार्य करेगी। इस प्रक्रिया के दौरान शेष लैण्डसकेप में स्थानीय संस्थाओं/क्षेत्रीय अधिकारियों की क्षमता विकास की जावेगी ताकि वे अपने–अपने क्षेत्र में कार्य योजना का निर्माण कर सकेंगे।

iv. ग्रीन इंडिया मिशन व इकोसिस्टम सर्विसेस इम्प्रूवमेंट प्रोजेक्ट (ESIP) से जन सामान्य की अपेक्षाएं बहुत ज्यादा है, अतः इस योजना को सही ढंग से लोगो तक पहुंचाने के लिए एवं लोगों कासही फीडबैक प्राप्त करने के लिये सुसंगत IEC फ्रेमवर्क का निर्माण।

v. उपरोक्त कार्य के साथ अनुश्रवण एवं मूल्यांकन के फ्रेमवर्क तैयार किया जायेगा ताकि योजना का क्रियान्वयन निर्धारित समयावधि में पूर्ण हो सके।

4. भारतीय वन प्रबंधन संस्थान द्वारा ग्रीन इंडिया मिशन के कार्यक्षेत्र में रिसर्च प्रोजेक्ट के निम्नलिखित घटक के लिए रुपये 20 लाख के प्रस्ताव को भी अनुमोदित किया गया।

i. To identify the attributes and parameters that affect watershed hydrology from the forests and their measurements/ documentation

ii. To develop MRV to ensure continuous supply of quality water from the forest catchment/ watershed

iii. To develop a framework for payment for hydrological services of forest landscape

5. श्री बी.एम.एस. राठौर, प्रधान मुख्य वन संरक्षक द्वारा योजना के कृषि एवं सामाजिक वानिकी घटक में विशेष ध्यान देने पर जोर दिया गया, जो वनावरण का राष्ट्रीय लक्ष्य की पूर्ति करने में सहायक होगा। उनके द्वारा भारतीय वन प्रबंध संस्थान को विभिन्न विशेषज्ञ/विशेषज्ञता वाले संस्थानों को भी अपनी स्टडी टीम में सम्मिलित करने का सुझाव दिया गया।

निरन्तर.....

6. ग्रीन इंडिया मिशन के पर्सपेक्टीव प्लान में छिन्दवाड़ा क्षेत्र सम्मिलित नहीं है, परन्तु छिन्दवाडा का कुछ क्षेत्र विभिन्न लैण्डस्केपों के साथ कॉरीडोर बनाता है। इसकी महत्ता को देखते हुए छिन्दवाडा वनमण्डल के कॉरीडोर बनाने वाले क्षेत्र को योजना में सम्मिलित किया जाये।

धन्यवाद ज्ञापन के साथ बैठक संपन्न हुई।

14/01/2019

(के.रमन)
अपर प्रधान मुख्य वन संरक्षक
(ग्रीन इंडिया मिशन)/सदस्य सचिव
मध्यप्रदेश भोपाल

Annexure- I Study Proposal

Title

Developing Monitoring Framework (identification and estimation) for Hydrological Services of Forest landscape

1. Background

India is endowed with rich forest cover and about 24 percent countries total geographic area is covered under Forest and tree covers. Forest and tree cover contribute for environmental stability by mitigating extreme temperatures, regional/ local precipitation, control soil erosion/ soil deterioration and improvement in water supply from the watersheds. Thus, it is an important element in the global climate change mitigation and adaptation strategy, because forest act as 18 percent of the global carbon sink. Though the natural forests that undisturbed carbon stored is high, but in the long term the rate of annual sequestration will be zero, but the various environmental services would be much higher. Other hand the newly created forests and plantations (including trees planted in the non-forest areas) the net sequestration rates will be higher and may be 4 to 5 times higher than the old and undisturbed forests. Therefore, the global interest on age old natural forest has been increasing. It has also been observed that the forests are vulnerable to present climate change due to natural and induced hazards. There are reports that the changes in climate may lead impact the species composition, rate of regeneration, decomposition and forest (biomass) volume. Other hand due to climate change the anthropogenic pressure on forests have increased manifold and reasoning to increased rate of deforestation and forest degradation. Due to deforestation and forest degradation, the potential of forest has been decreased in terms of its regulatory, provisional, production and other support functions, including reservoirs such as carbon sink. This is global concern and have been discussed in various forums, including climate change and sustainable development conventions and summits. Important mechanism, REDD and REDD+ are announced and financed by the rich nations to protect the forest from deforestation and forest degradation. Various countries have been addressing through a mechanism 'payment environment and ecosystem services.' Because the forest manager/management should derive their income from payment for all the functions the forest performs.

Forest not only produces wood, fibres, foods, fuels, and medicinal materials; it also provides an environment that affects soil, wildlife, water, and atmosphere. Thus, forest resources should not be referred to as timber resources only. Soil, water, plant, wildlife, fish, livestock, and recreation resources are all associated with the forest (Chang, 2013). Trees in the watershed catchment play important role in conserving soil and also increase in the rate of transpiration. Hence the impact of forest degradation, loss, or afforestation on watershed functioning will vary with climate, spatial scale, precipitation characteristics (such as rainfall intensity), pedology (soils), geology and, most importantly, with the type of change that actually takes place in the vegetation, whether classified as forest or otherwise (Bruijnzeel, 1993; Bonell, 1993; Bruijnzeel, 2004). One important set of benefits from forest ecosystems is watershed services, which include hydrological regulation (groundwater recharge, low-flow augmentation, and flood control) and provisioning services such as soil conservation. Thus, changes in forest conditions are likely to have profound implications for society (Lele et al,

Chief Administrative Officer
Indian Institute of Forest Management
Bhopal-462003 (M.P.)

2008). There is a complex relationship between forest cover change, hydrology and economic conditions of local communities. It is evident from the earlier studies (Vincent et al, 1995; Pattanayak et al, 2001) that the loss of dense forest cover reduces the base-flow (groundwater) in the watershed. This contextual nature of the impact requires one to better understand the role played by eco-climatic conditions and the techno-institutional variables mediating between the hydrological system and the water use sectors (Lele et al, 2008). Bruijnzeel and Bremmer (1989) concluded that any change in vegetation type or land use does not exert any clear influence on the total water and sediment yield in the smaller catchments. But in larger watersheds >1000 km2, not only the land-use, but other parameters such as climate, topography and geology also play a major role in controlling water and sediment yields (Wilk 2000). Recent study conducted in dryland has found that dryland trees and tree-based ecosystems can improve soil water storage capacity and groundwater recharge (Tobella, 2014). Forestry is an important element in the hydrological cycle, because they improved the evapotranspiration and hence speedup the hydrological process. Recent research suggests that tropical and subtropical forests act as large conveyors of atmospheric moisture, providing a global circulation system that influences regional cloud cover and precipitation (Ellison et al., 2017).

In rural areas sizeable population lives in and around forest. Their dependency on forest is for leaf/ litter, fodder, forage, fibre, fuelwood, NTFPs, small timber and also water drained out from forest for irrigation etc. Hence the hydrologic functions and services should be viewed in a larger frame-work of multiple ecosystem services and biodiversity of stocked natural forests, degraded forests and plantation ecosystems and land-management options to increase infiltration should be explored within this context of trade-offs and synergies at various spatial and temporal scales (Krishnaswamy et al, 2012). Grazing in the forest is common in India and they often damage young seedlings, trees, and compact the soils. This led to soil erosion, nutrient loss, heavy runoff from the catchment and eventually degrade the forest. It has been documented that the adoption of ecosystem management approach helped significantly in maintaining the land productivity, water quality in the watershed areas. Because the presence of perennial streams in sub-catchment dominated by native vegetation compared to the seasonal streams in the catchment dominated by anthropogenic activities with monoculture plantations (Ramachandra et al, 2018).

In high relief areas and steep slope areas, including riparian landscape, forests are often established to reduce soil erosion, increase catchment stability, mitigate the flood and sustainable flow of water and also to improve the water quality, and also to support habitat for wild flora and fauna. Forests are often managed to provide protection functions associated with floods, debris floods, debris flows, snow avalanches, and rock-fells. Protection forests emphasize environmental functions; economic income is insignificant or even totally ignored (Sakals et al., 2006).

Water is an important ecosystem derived from forestry. The quality of the water derived from forest area has been reported is potable and hence reduce the cost involved in treatment and supply. The water loss from the forested watershed being measured to assess the interface between water and tree cover, this may include runoff, evapotranspiration. But it is also important to assess the quality of water (groundwater and surface water) derived from the forested watershed. This requires integrated continuous monitoring and reporting approach

at watershed level. The Monitoring Reporting and verification (MRV) may include collection and analysis of data related to meteorology, forestry, plant physiology, bio-diversity, soils, geology, watershed hydrology. Tropical forests are known to perform several hydrological functions including flood attenuation, sustaining dry season flows and maintaining rainfall patterns (Venkatesh et al, 2014). The impacts of deforestation and forest degradation has been well documented, but the effects of plantation/ afforestation activities on the hydrological regime are less well understood.

Madhya Pradesh State has been working on strengthening the various environmental and ecosystem services derived from forestry. Being the largest extent of forest cover, the state wants further enhance its forest cover in-terms of canopy area and canopy density. The National Green India Mission (GIM), one among the eight missions of National Action Plan on Climate Change (NAPCC), provides huge scope to increase the forest and tree cover along with safeguarding the biodiversity, water resources, food & livelihood basis of the rural poor, etc. It is an important mission to address the climate change by sequestering CO2. The mission requires to achieve its objective and target of additional land area of 10 mil ha under forest and tree cover by 2020 so as to add another 50-60 mill tons of Carbon to its sink.

The Madhya Pradesh has acted on it and initiated activity to address climate change challenge while treating/ developing those forest areas, which are highly vulnerable to climate change. It has identified 18 forest divisions extended over 16 districts and 11 agro-climatic regions (refer Table 1). The operation/ treatment unit sub-watershed or Mili watershed and cluster of micro-watersheds. Thus, the Ecosystem Improvement Project working on achieving the goals of GIM and in-turn helps to achieve the Nationally Determined Contribution from forestry. There are other issues requires to be addressed and payment for environment services by the forestry is important.

2. Scope of the study

The study aims at reorienting forest and sustainable landscape management in source water areas of river with an altogether innovative outcome of development of a methodology for catchment area treatment and management following the model of payment for hydrological services to the village communities. The JFMCs will receive the incentives for hydrological services against the outcomes of improving the water quality and sustaining the water availability.

Various interventions in the forested and riparian landscape, including; afforestation/ reforestation; farm and agroforestry; protection of natural forest from forest fires, illegal felling, grazing; NTFP management and livelihoods, organic farming, capacity building of stakeholder, knowledge management etc. on participatory and multi stakeholder manner would can get the advantage of payment for watershed services.

Chief Administrative Officer
Indian Institute of Forest Management
Bhopal-462003 (M.P.)

Table 1: GIM project divisions: Agro-climatic Zones of Madhya Pradesh (Source: Agro-climatic regions and 5 crop zones. Government of Madhya Pradesh - http://www.mp.gov.in/en/web/guest/mp-krishi/arg-st/landuse-ir-pop/argo-climatic) and forest divisions under Projects of GIM.

Sl.no.	Agro-climatic regions	Forest Division under GIM
1	Chhattisgarh plains	Balaghat.(South)
2	Northern Hill Region of Chhattisgarh	Umaria
3	Kymore Plateau & Satpura Hills	Panna (South), Satna, Seoni(South)
4	Central Narmada Valley	Hoshangabad, Obaidullahganj
5	Vindhya Plateau	Raisen Sehore Obaidullahganj, Sagar (North & South)
6	Gird Region	Sheopur Kala, Shivpuri
7	Bundelkhand	Shivpur
8	Satpura Plateau	Betul (West)
9	Malwa Plateau	Dhar
10	Nimar Plains	Barwani, Sendhwa
11	Jhabua Hills	Jhabua

Site and target specific Monitoring, reporting and verification/ validation (MRV) provides enough information to manage the forests and riparian landscape (i.e. watersheds) in a sustainable manner.

Several peninsular rivers of the country drains through the State of Madhya Pradesh. It has also been observed that most of the rivers of central India is polluted due to point and non-point source of pollutions. Agriculture and plantation activities discharging substantial amount of pollutants to the rivers. Sustainable management of forest catchments for water quality and quantity is scientifically validated, socially acceptable and economically viable proposition. It has now been established that improvement in the quality and density of forests cover in watersheds can substantially reduce the cost of water treatment for various uses including drinking water supplies. To ensure continuous flow of quality water in the downstream of the forested landscape, there is a need of site specific MRV. This can be developed by continuously monitoring few sub-watersheds spread over different agro-climatic regions would provide the status of forest hydrology while comparing the forest management (silviculture, plantation, operation), conditions of forests (density, degradation, soil erosion, forest fire, grazing, seasonal pest, illicit felling etc.), etc. Thus the continuous monitoring should cover, soils erosion, runoff, rate of water discharge (river and base-flow/ groundwater), quality of the water, river flora and fauna etc. with respect to the riparian forests, catchment plantations, etc.

The study proposes for seasonal monitoring of selected sub-watersheds, river sections, groundwater wells while using suitable parameters, which include water quality parameters. Further the watershed hydrology of forested catchment and benefits to the command area in terms of water and other environmental services help to improve the socio-economic conditions of the community and further the river hydrology, which should be compensated through a payment mechanism.

3. Review of earlier selected studies

Globally several studies were conducted to understand the role of forest ecosystem on the watershed and community. But majority of the studies have been done in the evergreen or moist evergreen forests, hence hydrology of deciduous forests is poorly understood. Few literatures have reviewed to support the study objectives and approach.

Lele et al (2008), conducted a four-year research project on the impacts of forest cover change on watershed services in four sites spread over two eco-climatically distinct regions of the Western Ghats of peninsular India. Under the study the author collected data related to forest cover, species and rainfall, runoff, water storage in the command area tanks, agriculture etc. Under the study the authors presented the analysis of the relationship between rainfall and irrigation events under present catchment vegetation. Then they predicted the impact of forest regeneration on this relationship. The hydrological analysis showed that regeneration of forests would lead to declines in June and December tank filling frequencies, which would translate in turn into less frequent cultivation of irrigated crops. The economic analysis of the study showed that per farmer differences in income from irrigated versus unirrigated crops was quite substantial.

Ojea et al (2012), have identified 25 forest water valuation studies set in Latin America that were published from 1985 to 2010, providing over 100 value observations. The studies include a range of valuation techniques from cost-based methods (including avoided costs, reforestation costs and opportunity costs) to non-market stated preference techniques (mostly contingent valuation) and market data (e.g. hydropower and agricultural production). The studies are aimed at a heterogeneous range of purposes, from simply eliciting public willingness to pay (WTP) for services to equity discussions regarding Ecosystem Services. They found that the regulating effect of forest over the water cycle would be the ecosystem function leading to the quality of the water being suitable for consumption, but it is the final output (enough water of high enough quality) that generates the welfare gain in the community. Any consideration of two services, as a strict interpretation of MA classification, with the corresponding assessment of two additional values, would have the potential for producing a double counting effect.

Mathur and Raj (1980), monitored subsurface water level fluctuations in a watershed supporting Bluegum plantation located in the Nilgiris of Tamilnadu. A network of five piezometers was installed to measure the water level fluctuations during 1979–1980. Initial observations indicated that the maximum water level fluctuation was 1.3 m. The existing water level was well below the root zone of Bluegum trees at certain locations but was within the root zone in topographic lows. The study did not find higher water utilization by the trees even when the water table was within the active root zone.

Chief Administrative Officer
Indian Institute of Forest Management
Bhopal-462003 (M.P.)

Krishnaswamy et al (2012), conducted field assessment study in Western Ghat region to document the soil hydraulic conductivity and the survey linked with rain IDF (intensity–duration–frequency). They tested the hypothesis, occurrence of infiltration-excess overland within the degraded forest and reforested areas in Uttar Kannada by establishing experimental basins ranging from 7 to 23 ha across three ecosystems, viz. remnant tropical evergreen Forest (NF), heavily-used former evergreen forest, which now has been converted to tree Savanna, known as degraded forest (DF) and exotic Acacia (*Acacia auriculiformis*) plantations on degraded former forest land. In total, 11 basins were instrumented (3 NF, 4 AC and 4 DF) in two geomorphological zones, i.e., Coastal and Up-Ghat (Malnaad) and at three sites (one Coastal, two Up-Ghat). The rainfall–stream flow observations collected (at daily and also at a 36 min time resolutions in the Coastal basins) over a 2–3-year period (2003–2005) were analysed. The study concluded the following:

- When compared to the less disturbed, baseline evergreen forest the impacts of multi-decadal degradation of forests results in enhanced total stream discharge and quick flow both seasonally and by storm event. Conversely base (delayed) flow is reduced.
- *A. auriculiformis* plantations carried on degraded forests may not be very effective in restoring hydrologic functions in the short-term, because of the increased overland flow. On the other hand, there is evidence of contributions from deeper, subsurface sources to the storm hydrograph (more associated with the baseline evergreen forest) still continuing under the degraded forest and Acacia plantations. This is partly attributed to the sub-soils being comparatively permeable.
- As potential and actual evapotranspiration is likely to be depressed during the monsoon, differences in stream flow and run-off responses between land-cover is largely attributed to differences in soil infiltration and hydrologic pathways.
- Hydrologic functions and services should be viewed in a larger frame-work of multiple ecosystem services and biodiversity of these ecosystems and land-management options to increase infiltration should be explored within this context of trade-offs and synergies at various spatial and temporal scales.

4. Study Objectives

- ❖ To identify the attributes and parameters that affect watershed hydrology from the forests and their measurements and documentation
- ❖ To develop Monitoring Reporting and Verification (MRV) to ensure continuous supply of quality water from the forest catchment/ watersheds
- ❖ To develop a framework of payment for hydrological services of forest landscape

5. Methodology

Hence the proposed study approach is multidimensional/ multi-specialization and hence it would apply economic, environmental and social tools with the involvement of subject experts in collection and analysis of data. Thus the proposed study will adopt different methods based on literature review in collection of data from different sources and periods/ seasons and analysis. This may include measurement of environmental parameters, estimation and projection and application statistical tools.

i. Data and collection

Krishnaswamy et al (2012), conducted field assessment study in Western Ghat region to document the soil hydraulic conductivity and the survey linked with rain IDF (intensity–duration–frequency). They tested the hypothesis, occurrence of infiltration-excess overland within the degraded forest and reforested areas in Uttar Kannada by establishing experimental basins ranging from 7 to 23 ha across three ecosystems, viz. remnant tropical evergreen Forest (NF), heavily-used former evergreen forest, which now has been converted to tree Savanna, known as degraded forest (DF) and exotic Acacia (*Acacia auriculiformis*) plantations on degraded former forest land. In total, 11 basins were instrumented (3 NF, 4 AC and 4 DF) in two geomorphological zones, i.e., Coastal and Up-Ghat (Malnaad) and at three sites (one Coastal, two Up-Ghat). The rainfall–stream flow observations collected (at daily and also at a 36 min time resolutions in the Coastal basins) over a 2–3-year period (2003–2005) were analysed. The study concluded the following:

- When compared to the less disturbed, baseline evergreen forest the impacts of multi-decadal degradation of forests results in enhanced total stream discharge and quick flow both seasonally and by storm event. Conversely base (delayed) flow is reduced.
- *A. auriculiformis* plantations carried on degraded forests may not be very effective in restoring hydrologic functions in the short-term, because of the increased overland flow. On the other hand, there is evidence of contributions from deeper, subsurface sources to the storm hydrograph (more associated with the baseline evergreen forest) still continuing under the degraded forest and Acacia plantations. This is partly attributed to the sub-soils being comparatively permeable.
- As potential and actual evapotranspiration is likely to be depressed during the monsoon, differences in stream flow and run-off responses between land-cover is largely attributed to differences in soil infiltration and hydrologic pathways.
- Hydrologic functions and services should be viewed in a larger frame-work of multiple ecosystem services and biodiversity of these ecosystems and land-management options to increase infiltration should be explored within this context of trade-offs and synergies at various spatial and temporal scales.

4. Study Objectives

- ❖ To identify the attributes and parameters that affect watershed hydrology from the forests and their measurements and documentation
- ❖ To develop Monitoring Reporting and Verification (MRV) to ensure continuous supply of quality water from the forest catchment/ watersheds
- ❖ To develop a framework of payment for hydrological services of forest landscape

5. Methodology

Hence the proposed study approach is multidimensional/ multi-specialization and hence it would apply economic, environmental and social tools with the involvement of subject experts in collection and analysis of data. Thus the proposed study will adopt different methods based on literature review in collection of data from different sources and periods/ seasons and analysis. This may include measurement of environmental parameters, estimation and projection and application statistical tools.

i. Data and collection

Data related to the study would be collected from various sources and following are few initially identified data and collection:

Field Data: landuse training, control points, field conditions (With the GPS support)
Satellite data: Optical data, DEM, virtual globe
Ancillary data: Topographic map, Forest map (Territorial division – forest type/ species/ density, site quality age etc.), soil map, geology, geomorphology, groundwater, hydro-geology, etc.
Meteorological: Rainfall, temperature, etc.
Other supporting data: village level data (census), administrative boundary, PRA survey, drainage network etc.

ii. Tools and Techniques

Remote Sensing and GIS: Use of temporal data provides information on landuse/ land cover change of the study area. Data collected from the field and also from secondary sources shall be integrated in the GIS platform to draw the trend and situations. DEM and Landuse/ land cover data shall be employed along with field data (soils, geology, hydrology) to map the riparian buffer. Remote sensing reflected thermal band data along with NDVI to draw inferences on the evapotranspiration.

Field survey equipment: River flow measurements in different sections of the river– with the help of velocity area method and the use of weirs and flumes. In case modern equipment accessible, the same shall be employed.

Water quality measurement: Collection of river and groundwater samples and laboratory analysis to draw impact of trees/ forest on water quality

Data collection schedules: Ecological quadrate, household interaction, PRA/ RRA
Statistical tools: application of statistical tools, including correlation analysis, indexing etc.

iii. Sampling:

Study area will be selected sub-watersheds distributed in different agroclimatic regions of M.P. and forested river riparian zones. Convenient and purposeful sampling in consultation with the project implementation agency (M.P. forest Department) to support the development objectives of GIM Project.

Accordingly, the following divisions shall be selected for sampling the watersheds (Four number) for proposed study.

Agro-climatic regions	Selected Divisions
Northern Hill Region of Chhattisgarh and Kymore Plateau & Satpura Hills	Satna
Chhattisgarh plains	Balaghat (south)
Vindhya Plateau	Sehore
Nimar Plains and Jhabua hills	Dhar

Chief Administrative Officer
Indian Institute of Forest Management
Bhopal-462003 (M.P.)

iv. Approach

The Millennium Ecosystem Assessment (MEA) has become widely accepted as a framework for understanding and assessing the benefits that ecosystems provide to human well-being. Its classification of services into the categories of provisioning, regulating, supporting and cultural, has been increasingly widely adopted. Following the MEA framework, it is common to list flood control, water regulation, soil erosion control and water purification under the heading of 'regulating services'; water supply as a 'provisioning service' and habitat function as a 'supporting service' (Lele, 2009). In the MEA approach water supply is a provisioning service, and water filtering is classed under regulating services (where it is called 'purification'). Alyward (2002) grouped together erosion, sedimentation and nutrient outflow under the category of 'water quality' impacts, but considered changes in water yield, seasonal flow, storm flow response, groundwater recharge and precipitation to be 'water quantity' issues. The study proposes following modelling to achieve the study objectives:

a. Spatial Mapping:
   Watershed delineation: Viewshed analysis (spatial analysis using DEM satellite data), virtual globe SOI toposheets, State watershed map
   Terrain mapping: Land cover and landuse: Remotely sensed data analysis (using Gaussian MLC), accuracy assessment and finalization

b. Watershed Hydrology Model:
   Infiltration and groundwater recharge: worked out based on the rainfall assessment, topography, soil, landuse, interception, runoff, geology, aquifer, base flow and surface river flow

c. Evapotranspiration: Solar radiation, temperature, species, canopy cover extent, etc.
   Water demand: Cropping pattern and crop water requirement, domestic demand, livestock demand, evapotranspiration, water supply

d. Ecological and Economic Model
   Water supply – surface and groundwater and user value and cost
   Cropping pattern and crop water requirement, economic value
   Ecological water requirement – ecological value
   Payment for hydrology service

v. Study period

The proposed study involves systematic collection data over the period of 18 months so as to collect data from different seasons and weather conditions.

- Project outcome communication and payment schedules

• Seed Money to initiate the project	1st Month	10%
• Submission of Inception report	2nd month	20%
• Submission of Interim report	6th month	30%
• Submission of draft report	14th month	30%
• Submission of Final report	18th month	10%

Work plan/schedule/ Time line

Activities/ Months	2	4	6	8	10	12	16	18
Review of literature								
Finalization of methodology								
Prototyping data collection schedules								
Preparation of inception report								
Procurement of remotely sensed data and other ancillary data								
Interpretation and Remotely sensed data and GIS database								
Primary data collection from the field								
Database creation and data analysis								
Sharing of the project outcome with the funding organization								
Draft report preparation								
Incorporation of suggestions and final report preparation								

vi. Study Outcome

Data and statistics related forest/ river catchment hydrology of the sampled watershed are the part of the report. Assessment of forests and other land cover and landuse in the riparian zones of the watershed and their trend (changes) over the years. Identified and validated indicators-based data & information and well developed means of verification to assess the hydrological services of intervened and natural forests and also other tree landscapes falls in the riparian zones of watershed. Developed framework to increase the knowledge about the hydrological services, indicators for MRV, modalities for payment for hydrological services are the other outcome of the study.

Chief Administrative Officer
Indian Institute of Forest Management
Bhopal-462003 (M.P.)

6. Budget (Rupees Twenty Lakhs)

Sr. No.	Head	Cost (Rs.)
1	Hiring of Project Associate @ Rs30,000 + 20% HRA, Medical policy premium (Max Rs.500/ month), for 18 Months	657000
2	Hiring of field assistants- two numbers @ Rs. 18,000 + 20% HRA+ Medical policy premium (Max Rs.500/ month) for 14 months	618800
3	Procurement of data (Survey of Toposheets, Remotely Sensed data and ancillary data)	60000
4	Procurement and hiring of survey and field equipment's	150000
5	Travel and field expenses of project investigator(s)	100000
6	Travel & Field expenses of Project Associate & field assistants	200000
7	Sample laboratory analysis	100000
8	Stationeries and Contingency and Printing of reports	40000
9	Institute overhead (lumpsum)	50000
	Total	**1975800**
	Rounded to	**2000000**

7. Study execution organization and persons involved

Project will be executed by Center for Forest Hydrology, Indian Institute of Forest Management, Bhopal in cooperation from APCCF&PD, GIM, M.P. Forest Department, Bhopal.

Team of faculty members of IIFM, Bhopal along with hired subject experts and field investigators will mobilize the project.

Name and contact details of Principal Investigator from IIFM, Bhopal

Omprakash Madguni, Ph.D.,
Assistant Professor and Coordinator,
Center for Forest Hydrology,
Indian Institute of Forest Management Post Box 357, Nehru Nagar Bhopal 462003 (M.P.) India
Mob: 09425600172 Email: prakash@iifm.ac.in or omprakashiifm@gmail.com

8. Terms of Reference

1. The duration of this study will be 18 months from the date of receipt of the seed money of Rs 2 lakh (10%). Following are the payment further instalments;
   a. Submission of Inception report 2^{nd} month Rs. 4 lakhs (20%)
   b. Submission of Interim report 6^{th} month Rs. 6 lakhs (30%)
   c. Submission of draft report 14^{th} month Rs. 6 lakhs (30%)
   d. Submission of Final report 18^{th} month Rs. 2 lakhs (10%)
2. In case of any eventuality, extension of the duration will be on mutually agreed terms and conditions.

3. IIFM faculty have extensive teaching obligations and cannot attend meetings or leave station on short notice.
4. Ownership of the project outcome is lies with the Green India Mission, Madhya Pradesh Forest Department. However, IIFM will be free to share the academic outputs generated internally or in academic journals.
5. This study will be regarded as completed once the final report is submitted by IIFM and the final instalment is released.
6. After submission of final report, IIFM will not appear in court of law to defend the report or any proceedings which is linked to this assignment or defend the report in any forum.
7. The Principal Investigator for this study on behalf of IIFM will be Dr. Omprakash Madguni and on behalf of APCCF & PD, GIM, Shri. Seva Ram Mallik will be the contact person.
8. In case of any eventualities such as natural calamity, law and order situation etc., way forward will be decided by the APCCF& PD, GIM and Director IIFM based on mutual understanding.
9. Payment shall be made by NEFT transfer Account Number 30662291254, IFSC: SBIN0012194 (State Bank of India), IIFM Branch, Bhopal

Chief Administrative Officer
Indian Institute of Forest Management
Bhopal-462003 (M.P.)

9. Reference:

Alyward, B., 2002. Land-use, hydrological function and economic valuation. In: Bonell, M., Bruijnzeel, L.A. (Eds.), Proceedings of the UNESCO Symposium/Workshop Forest-Water-People in the Humid Tropics, Kuala Lumpur, Malaysia.

B. Venkatesh, N. Lakshman, B.K. Purandara, 2014. Hydrological impacts of afforestation - A review of research in India. Journal of Forestry Research (2014) 25(1): 37–42

Bonell, M. 1993, 'Progress in the Understanding of Runoff Generation Dynamics in Forests', Journal of Hydrology, 150 (2-4): 217-275.

Bruijnzeel LA, Bremmer CN. 1989. Highland–lowland interactions in the Ganges Brahmaputra River Basin: a review of published literature. ICIMOD Occasional Paper No. 11. Kathmandu, Nepal: International Centre for Integrated Mountain Development, p. 136.

Bruijnzeel, L.A. 1993, 'Land use and hydrology in warm humid regions: Where do we stand?' Journal of Hydrology, 216: 3-34.

Bruijnzeel, L.A. (2004), 'Hydrological functions of tropical forests: not seeing the soil for the trees?' Agriculture, Ecosystems and Environment, 104 (1): 185-228

Elena Ojea, Julia Martin-Ortega, Aline Chiabai, 2012. Defining and classifying ecosystem services for economic valuation: the case of forest water services. Environmental science & Policy 19-20 (2012) 1-15

JagdishKrishnaswamy, Michael Bonell, BasappaVenkatesh, Bekal K. Purandara,2012. The rain–runoff response of tropical humid forest ecosystems to useand reforestation in the Western Ghats of India. Journal of Hydrology 472–473 (2012) 216–237

Lele, S., 2009. Watershed services of tropical forest: from hydrology to economic valuation of integrated analysis. Current Opinion in Environmental Sustainability 1 (2), 148– 155.

Mathur HN, Raj SFH. 1980. Groundwater regime under Blue-Gum at OsamundNilgiris- initial observation. Indian Forester, 106: 547–553.

Mingteh Chang 2013, Forest Hydrology: An Introduction to Water and Forests. CRC Press, Taylor & Francis Group, LLC, 2013.

Pattanayak, S. K. and R. A. Kramer (2001), 'Worth of watersheds: a producer surplus approach for valuing drought mitigation in Eastern Indonesia', Environment & Development Economics, 6 (1): 123-146.

Ramachandra TV, S. Vinay, S. Bharath, and A. Shashishankar, 2018. Eco-Hydrological Footprint of a River Basin in Western Ghats. Yale J Biol Med. 2018 Dec; 91(4): 431–444.

Sakals, M.E. et al., 2006, The role of forests in reducing hydro-geomorphic hazards, For. Snow Landsc. Res., 80(1), 11–22.

SharachchandraLele, IswarPatil, ShrinivasBadiger, Ajit Menon and Rajeev Kumar 2008. The Economic Impact of Forest Hydrological Services on Local Communities: A Case Study from the Western Ghats of India, SANDEE Working Paper No. 36-08, November 2008. Published by the South Asian Network for Development and Environmental Economics (SANDEE), Kathmandu, Nepal. ISBN: 978 - 9937 - 8093 - 1 – 3

SharachchandraLele, M.C. Kiran, Veerabasawant Reddy, ShrinivasBadiger, K.N. Rakesh, 2012. The rain–runoff response of tropical humid forest ecosystems to useand reforestation in the Western Ghats of India. Journal of Hydrology 472–473 (2012) 216–237

Venkatesh B, Purandara BK, Chandramohan T. 2004. Analysis of spatial variability of hydraulic conductivity of forest soils. In: By K.S. Raju, A.K. Sarkar, M.L. Dash (eds.), Integrated Water Resources Planning and Management. New Delhi, India: Jain Brothers, pp.125–133.

Vincent, Jeffrey R., MingsarnKaosa-ard, LaxmiWorachai, Eric Y. Azumi, NiponTangtham and Arnel B. Rala (1995), 'The Economics of Watershed Protection: A Case Study of Mae Taeng', MANRES Project Report, Bangkok: Natural Resources and Environment Program, Thailand Development Research Institute.

Wilk J. 2000. 'Do forest have an impact on water availability? Assessing the effects of heterogeneous land use on streamflow in two monsoonal river basins'. Department of Water and Environmental Studies, Linkoping University, p.193.

Memorandum of Understanding (MoU) for Carrying out Research Study Titled, "Developing Monitoring Framework (identification and estimation) for Hydrological Services of Forest landscape"

1. This Memorandum of Understanding (MoU) is signed between the Director, Indian Institute of Forest Management, Bhopal (IIFM) and the Additional Principal Chief Conservator of Forests and Project Director, Green India Mission, Madhya Pradesh State Forest Department, Satpura Bhawan, Bhopal for carrying out the research study titled, **"Developing Monitoring Framework (identification and estimation) for Hydrological Services of Forest landscape" on the 8th day of March 2019.**

2. The office of APCCF & PD, GIM, Bhopal desires to entrust this research study initially covering the four sub-watersheds of four forest divisions. Both the parties agree to the research objective, research questions, study approach, study design work schedule, budget and fund release and abide by the roles and responsibilities and terms of reference as detailed in Annexure-I (study proposal).

3. The Indian Institute of Forest Management, Bhopal shall submit a Final Report after the completion of the study as detailed in the Annexure-I. The broad methodology adopted will be based on co-production approach and will be customized as per the learnings of the joint exposure visit and consultations held in the Inception meeting and all efforts will be made to complete the project within 18 months of receipt of the seed money.

4. The office of APCCF & PD, GIM, Bhopal will make a payment of Rs 20 lakhs to IIFM as per the time schedule provided for in the enclosed Research Proposal; i.e.

a.	Seed Money to initiate the project	1st Month	10%
b.	Submission of Inception report	2nd month	20%
c.	Submission of Interim report	6th month	30%
d.	Submission of draft report	14th month	30%
e.	Submission of Final report	18th month	10%

5. In consideration of the payment to be made to the IIFM, the APCCF & PD, GIM, expects the IIFM team to perform the responsibilities with all possible skills, diligence and timeliness in accordance with the MoU and Research Proposal, ToR and/or such variations which are mutually agreed upon.

6. The Parties hereby agree that, in the event of any dispute relating to this MOU, they shall first seek to resolve the dispute through informal discussions. If a dispute cannot be resolved informally within sixty (60) consecutive working days, the Parties agree to terminate this MOU.

7. This MOU will be valid for an initial period of 2 years from the date of signing and can be extended for further period through mutual consent. This MOU may be terminated at the mutual written consent of the Parties. Each party shall have the right to terminate this agreement unilaterally by providing 60 days' written notice to the other Party.

Chief Administrative Officer
Indian Institute of Forest Management
Bhopal-462003 (M.P.)

8. During the course of the performance of this MoU, the parties may access to materials, data, strategies, systems or other information relating to the other Party and its programmes for the specific projects/MoUs signed only which is intended for internal use only. Any such information shall not be used, published, or divulged to any individual or corporation in any manner or for whatever purpose except through the Parties previous written permission, which may be withheld by the respective Party and its sole discretion.

9. This MoU does not preclude the Parties from establishing similar agreements and / or contracts with other individuals, corporations, agencies, and public or private organizations. The Parties recognize the importance of continuing to cooperate and work with other partners in programs of mutual interest and to be able to, by means of written document signed by both Parties, invite other partners to participate in the activities implemented under this MoU.

10. The Parties agree that they are not entering into legal partnership, joint venture or other such business arrangements, nor is the purpose of the Parties to enter into commercial under taking for monitory gain. Neither Party will refer to or treat the arrangements under this MoU as legal partnership or take any action in consistent with such intention.

11. This MoU, its meaning and interpretation and the relations between the parties shall be governed by the Laws of Union of India.

12. Both the Parties confirm the acceptance of the terms of this Memorandum of Understanding, which is executed in duplicate, one copy shall remain with each party.

In witness whereof, the undersigned, being duly authorised to do so, have executed two copies of this MoU in the English language in two (2) counterparts, each of which copy shall be deemed an original, and which together shall constitute two fully signed copies of the same instrument.

CAO on the behalf of
Indian Institute of Forest Management
Nehru Nagar, Bhopal
Date:

Chief Administrative Officer
Indian Institute of Forest Management
Bhopal-462003 (M.P.)

APCCF&PD, GIM
M.P. Forest Department
Satpura Bhawan, Bhopal
Date:

Progress Report – I (Period: 8.3.2019 to 10.4.2019)

Background:

Project, title: 'Developing Monitoring Framework (identification and estimation) for Hydrological Services of Forest landscape' was submitted and presented before the PCCF, APCCF & PD, GIM and other Officers of Forest Department for their kind consideration in the month of December, 2018 and January 2019. Subsequently, the project was considered and approved in the month of January,2019 with few observations/ modifications. All the observations were incorporated and revised proposal was submitted by the IIFM in the month of February, 2019. The project was approved and MoU was signed on 8.3.2019 and a seed money of Rs. 1,80,000/- was sanctioned to initiate the project activities.

Following is the progress of the project:

Project review meeting: Review meeting of the project was held at IIFM on 11.3.2019 in room no. 108. The meeting was attended by the following officers and experts:

Shri S.K.Mandal, IFS, PCCF R&E, JFM and Lok Vaniki, M.P. Forest Department
Dr. Pankaj Srivastava, IFS, Director, IIFM, Bhopal
Shri K Raman, APCCF & PD, GIM, M.P. Forest Department
Dr. Andrew Mitchell, Task Team Leader, World Bank
Dr. Anupam Joshi, Co-task Team Leader, World Bank
Ms. Versha Mehata, Co-task Team Leader, World Bank
Mr. Narendra Rathore, Expert, Natural Resource Management

Dr. Omprakash Madguni, PI of the project, IIFM gave a presentation on the project objectives, methodology and project outcome before the participating experts. The participating experts reviewed the sampling and proposed methodology. The experts gave various suggestions related to sampling and field data collections. It was also suggested by them to include one cluster from World Bank Project site/ Division, Sehore and the same has been incorporated in the project activities. Experts also opinioned that the study period is too short to compare the study outcomes because of the recent weather variations in the state. It was also suggested that, if required the project may be extended for one more year to compare such variations. Based on the review meeting the methodology of the project has been modified and finalized. Overview of the project is enclosed as **Annexure – I**.

Registration and approval to undertake the project: Requested for registration of the project under IIFM research head and the same was confirmed on 3.4.2019.

Hiring of Project staff: Request to hire two field investigators was made to the Director, IIFM on 28.3.2019 on receipt of letter related to release of Rs. 1,80,000/- from the APCCF, GIM on 20.3.2019. An advertisement was made in the National/ Local news-paper with the last date for receipt of application was 16.4.2019. About 78 applications have been received and recruitment of field investigators are in progress.

Literature review: Review of literature was made to finalize the methodology for field data collection, etc. Accordingly, the study team is working on selection of cluster of MWS/ Mili watershed from the selected four divisions to collect hydrological parameters including Rain interception by the forest cover; Runoff

from the Forest catchment; Inter flow from the forest catchment and Base-flow from the forest catchment.

The field observations/ collection of data will be season specific and four specific field data collection seasons have been identified for the study:

i. Pre-monsoon: March – 15th. June, 2019, i.e. before the onset of monsoon
ii. Monsson: 16th. June - September, 2019, i.e. before the withdrawal of monsoon
iii. Post Monsoon: October and November, 2019
iv. Winter: December, 2019 – February, 2020

Geospatial database: Following activities are under progress to build geospatial database:

Landuse/ Land cover mapping and change: Temporal Remote Sensing data (LANDSAT data) of the study area is collected from the free source. Procurement of SOI Toposheet is in progress. Landuse and land cover mapping of cluster of GIM Mili watershed using remotely sensed data is in progress. Data pertaining to 2008 and 2018 is being used to assess the landuse/ land cover change in the GIM mili watersheds of four sampled divisions. The landuse/ land cover will be used to finalize the sampled cluster of MWS for field data collection.

Spatial database building for the Geology, Geomorphology and Hydro-geomorphology of Satna Forest Division is in progress.

Field data collection schedules: Field data collection schedules to collect data related to watershed hydrology, village water resources, village water draft, from the field data is in progress.

Field work planed for the Pre-Monsoon Period: Visit to the sampled MWS, sampling the wells and collection of Depth to water level in the wells is planed during May – June, 2019. Identification of bore-wells for installation of piezometer to measure the change in the water level will be done during the visit.

Collection of data related to water use in the sampled village during the summer and water yield from the wells will also be collected during pre-monsoon period.

Inception report: Submission of inception report is due in the second week of May, 2019 and drafting of the same is in progress

Project Progress Submitted for kind information

M.S. Omprakash

(Omprakash Madguni)

Annexure - I Project Overview

Title:

Introduction: Developing Monitoring Framework (identification and estimation) for Hydrological Services of Forest landscape

- Natural forest ecosystem regulates the watershed hydrology
- Restoring degraded forests is likely to improve the accessibility of water resources
- Forest-water relationships are dependent on multiple factors, such as climatic factors, terrain characteristics i.e. landuse/ land cover, slope, relief, geology etc. (site/ forest area), species diversity, plantation approach etc.
- How then can a positive effect of afforestation on water supply be achieved?

Objectives

- To identify the attributes and parameters that affect watershed hydrology from the forests and their measurements/ documentation
- To develop Monitoring Reporting Verification (MRV) to ensure continuous supply of quality water from the forest catchment/ watershed
- To develop a framework for payment for hydrological services of forest landscape

Methodology

- ✓ Approach is multidimensional/ multi-specialization
- ✓ Literature review to standardize methodology
- ✓ Testing standard methods

▶ **Data acquisition:**

- Field Data: landuse/ land cover training sites, field control points (forest types, species, grazing, fire, degradation, etc.) with the GPS support
- Satellite data: MSS data, DEM
- Field Survey data on soils, river surface runoff, sub-surface flow, base flow, water quality etc.
- Ancillary data: Topographic map, Forest map (Territorial division – forest type/ species/ density, site quality age etc.), soil maps, geology, geomorphology, groundwater, hydro-geology, river runoff, etc.
- Meteorological: Rainfall, temperature, etc.
- Other supporting data: Collected from the field, departm**ents**

❖ **Modelling**

▶ **Spatial Mapping –** Descriptive model to enhance the understanding about the terrain characteristics including landuse/ land cover change during the last decade, geomorphic drainage pattern, soils, geology, hydro-geology etc.

▶ **Watershed Hydrology Model**

- Runoff, Infiltration and groundwater model: worked out based on the rainfall assessment, topography, soil, land cover (forest)/ land use, interception, runoff (surface, inter and base flow), geology, aquifer, GW recharge etc.
- Evapotranspiration: Solar radiation, temperature, species, canopy cover extent, etc.
- Water demand: Cropping pattern and crop water requirement, domestic demand, livestock demand, crop evapotranspiration, water supply

▶ **Ecological and Economic Model**

- Water user value and cost
- Cropping pattern and crop water requirement, economic value
- Ecological water requirement and value
- Payment for hydrological service

▶ **Quantification of Forests and Streamflow Quantity**

- Components: Precipitation intercepted by forested landscape stream channels; overland flow (surface runoff) in forested landscape; Interflow (Sub-surface runoff); Base-flow (groundwater runoff)
- Estimation of Streamflow –Hydrograph analysis to estimate runoff volume and peak flow from rainfall; Statistical analysis to estimate runoff from environmental factors or other sites, some of the well accepted methods:
    - SCS - RCN Model (Storm Runoff Volume), i.e. Soil Conservation Service's (1979) curve number approach,
    - Rational Equation (Storm Peak Flow) or Water Balance Approach (Annual stream flow)

▶ **Forest related attributes: Deforestation, forest harvest, tree species diversity, watershed treatment, forest fire, grazing, afforestation on soils, river flow, groundwater and yield**

▶ **Tools & Techniques**

- Remote Sensing and GIS
- GPS and other Field survey equipment's (hydrology, soils, water quality)
- PRA/ RRA
- Data collection schedules

▶ **Sampling**

- Universal – agro-climatic regions of M.P. and Mili-watershed under GIM Project
- Cluster of Micro-Watershed from selected forest divisions are the basic sampling units, will be selected and finalised from the GIM project Mili Watersheds / divisions in consultation with the APCCF & FD, GIM

Table: Selected divisions for the study in consultation with the APCCF & PD, GIM

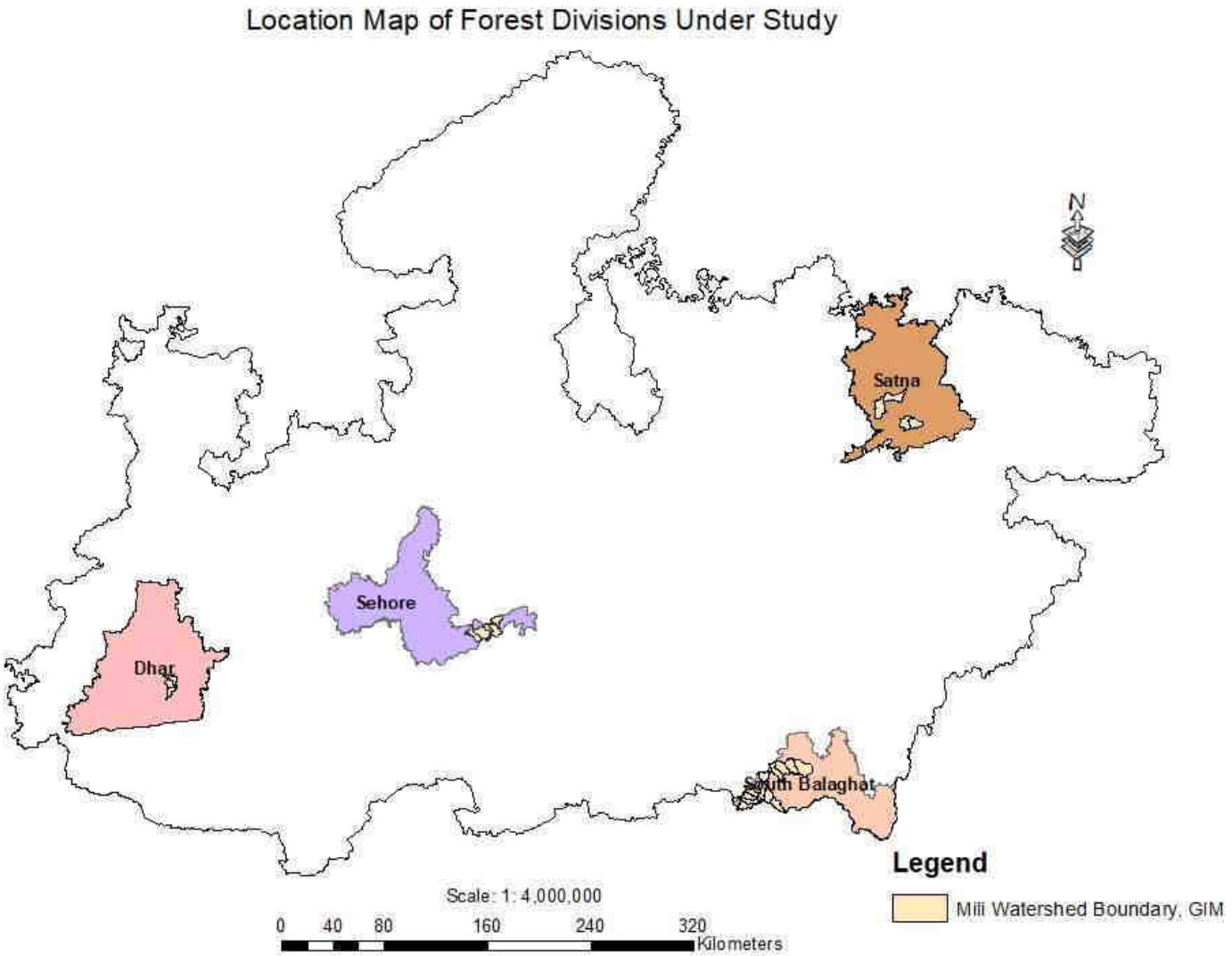
Agro-climatic regions	Selected Divisions
Northern Hill Region of Chhattisgarh and Kymore Plateau & Satpura Hills	Satna
Chhattisgarh plains	Balaghat (South)
Vindhya Plateau	Sehore
Malwa Plateau	Dhar

Note: Mili/ Sub-watershed and cluster of micro-watershed yet to be finalized

- **Work plan:**

Activities/ Months	2	4	6	8	10	12	16	18
Review of literature								
Finalization of methodology								
Prototyping data collection schedules								
Preparation of inception report								
Procurement of remotely sensed data and other ancillary data								
Interpretation and Remotely sensed data and GIS database								
Primary data collection from the field								
Database creation and data analysis								
Sharing of the project outcome with the funding organization								
Draft report preparation								
Incorporation of suggestions and final report preparation								

Fig.1: Location map



Annexure - VIII

राज्य योजना आयोग
मध्यप्रदेश
प्रथम तल, 'सी' विंग विंध्याचल भवन, भोपाल

दूरभाष कार्यालय 0755–2551564 फैक्स न.:–0755–2772074
email- spb@mp.nic.in

क्र.162//रायोआ/ उ.स./2018 भोपाल,दिनांक 22/9/18

प्रति,

1. निज सचिव, अपर मुख्य सचिव, मध्यप्रदेश शासन, योजना, आर्थिक एवं सांख्यिकी विभाग, मंत्रालय, भोपाल।
2. निज सचिव, प्रमुख सचिव, मध्यप्रदेश शासन, योजना, आर्थिक एवं सांख्यिकी विभाग, मंत्रालय, भोपाल ।
3. निज सचिव, प्रधान मुख्य वन संरक्षक, एवं वनबल प्रमुख, सतपुड़ा भवन, भोपाल।
4. प्रधान मुख्य वन संरक्षक, (उत्पादन) सतपुड़ा भवन, भोपाल।
5. प्रधान मुख्य वन संरक्षक, अनुसंधान विस्तार एवं लोक वानिकी, सतपुड़ा भवन, भोपाल।
6. आयुक्त, आर्थिक एवं सांख्यिकी, विन्ध्याचल भवन, भोपाल ।
7. श्री के.रमन, अपर प्रधान मुख्य वन संरक्षक एवं मिशन संचालक, ESIP प्रोजेक्ट, ग्रीन इंडिया मिशन, सतपुड़ा भवन, भोपाल।
8. श्री रमेश कुमार श्रीवास्तव, प्रमुख सलाहकार, राज्य योजना आयोग, म.प्र.।

विषयः–वन विभाग एवं योजना, आर्थिक एवं सांख्यिकी विभाग के अधिकारियों के मध्य दिनांक 6.9.2018 को आयोजित बैठक का कार्यवाही विवरण।

मध्यप्रदेश शासन, वन विभाग मंत्रालय के पत्र क्रमांक/एफ 03–32/2010/10–2 दिनांक 23/08/2018 एवं मध्यप्रदेश शासन, राज्य योजना आयोग के पत्र क्रमांक–1508/ पीपीएसयू/रा.यो.आ./2018 दिनांक 01/09/2018 के तारतम्य में शासन के निर्देशानुसार दोनों विभागों के वरिष्ठ अधिकारियों के मध्य दिनांक 06.09.2018 को आयोजित बैठक कार्यवाही विवरण संलग्न प्रेषित है ।

संलग्नः–उपरोक्तानुसार

22-9-18
(एल.एल.राजपूत)
उप सचिव
राज्य योजना आयोग,
भोपाल, म.प्र.

Addl. Principal Chief Conservator of Forests
(Green India Mission)
Madhya Pradesh, Bhopal
22-9-18

राज्य योजना आयोग
मध्यप्रदेश
प्रथम तल, 'सी' विंग विंध्याचल भवन, भोपाल
दूरभाष कार्यालय 0755–2551564 फैक्स न.:–0755–2772074
email- spb@mp.nic.in

कार्यवाही विवरण

मध्यप्रदेश शासन, वन विभाग मंत्रालय के पत्र क्रमांक/एफ 03–32/2010/10–2 दिनांक 23/08/2018 एवं मध्यप्रदेश शासन, राज्य योजना आयोग के पत्र क्रमांक–1508/ पीपीएसयू/रा.यो.आ./2018 दिनांक 01/09/2018 के तारतम्य में शासन के निर्देशानुसार दोनों विभागों के वरिष्ठ अधिकारियों के मध्य दिनांक 06.09.2018 को औपचारिक रूप से चर्चा हुई, जिसमें निम्नानुसार अधिकारीगण उपस्थित हुये:–

1. डॉ. यू. प्रकाशम, प्रधान मुख्य वन संरक्षक (उत्पादन) म.प्र. भोपाल ।
2. श्री के. रमन, अपर प्रधान मुख्य वन संरक्षक (ग्रीन इंडिया मिशन) म.प्र. भोपाल ।
3. श्री चितरंजन त्यागी, आयुक्त, आर्थिक एवं सांख्यिकी विभाग, म.प्र. भोपाल
4. श्री असीम श्रीवास्तव, अपर प्रधान मुख्य वन संरक्षक (अनुश्रवण एवं मूल्यांकन) म.प्र. भोपाल ।
5. श्री विजय एन अम्बाडे, मुख्य वन संरक्षक (संरक्षण) म.प्र. भोपाल
6. श्री रमेश कुमार श्रीवास्तव, प्रमुख सलाहकार, राज्य योजना आयोग, म.प्र. भोपाल ।
7. श्री पी.सी.बारस्कर, सलाहकार, राज्य योजना आयोग, म.प्र. भोपाल
8. डॉ. योगेश माहोर, डिप्टी टीम लीडर, पी.पी.एस.यू. राज्य योजना आयोग, म.प्र. भोपाल ।
9. श्री आलोक अस्थाना, रिसर्च एसोसिएट, पी.पी.एस.यू. राज्य योजना आयोग, म.प्र. भोपाल ।
10. श्रीमती प्राची बोहरे जोशी, सहायक सलाहकार, राज्य योजना आयोग, म. प्र. भोपाल ।
11. श्रीमती शिखा सुधीर सिंह प्रशासनिक अधिकारी, पी.पी.एस.यू. राज्य योजना आयोग, म.प्र. भोपाल ।
12. डॉ. अंकुर अवधिया, उप वन संरक्षक (ग्रीन इंडिया मिशन) म.प्र. भोपाल।
13. श्री जीबोतोष पंडित, जी.आई.एस. एक्सपर्ट (ग्रीन इंडिया मिशन) म.प्र. भोपाल ।

बैठक में राज्य योजना आयोग के डॉ. योगेश माहोर द्वारा पॉलिसी प्लानिंग व सपोर्ट यूनिट, (पी.पी.एस.यू.)/राज्य योजना आयोग द्वारा किये जा रहे कार्यो एवं क्षमता पर प्रस्तुतीकरण दिया गया। उनके द्वारा यह भी अवगत गया कि ESIP परियोजना के तहत तीन लैण्डस्केप की आधारभूत जानकारी संकलित कर प्रस्तुत की जा चुकी है। शेष कार्यो के संबंध में अनुमोदन होने पर कारवाई की जावेगी।

2– डॉ. अंकुर अवधिया द्वारा वन विभाग की आवश्यकता के संबंध में केवल प्रस्तुतीकरण किया गया। सामाजिक, आर्थिक सर्वेक्षण हेतु National Working Plan Code 2014 में सर्वेक्षण एवं आंकलन की प्रक्रिया दी गई है, जिसमें अधिकांश कारकों का समावेश है। इसको आधार बनाकर व ESIP की अवधारणा के अनुसार यथयोग्य संशोधन कर सर्वेक्षण का कार्य किया जा सकता है। (परिशिष्ट–1)

अ– मध्यप्रदेश में ग्रीन इंडिया मिशन के क्रियान्वयन हेतु 8 एल–1 लैंडस्केप की पहचान की गई है जिसमें जलवायु परिवर्तन के प्रभाव के आधार पर चयनित 18 वनमण्डलों में 122 मिलीवाटरशेड के 735 माइक्रो वाटरशेडों के 7,35,479 हे0 क्षेत्र के पूर्ण उपचार की एक दूरगामी परियोजना बनाई गई है।

ब–

ग्रीन इंडिया मिशन के तहत चयनित लैंडस्केप का विवरण				
लेवल एल ।	लेवल एल 2		लेवल एल 3 (माइक्रो वाटरशेड)	क्षेत्रफल (हे0)
	शामिल वनमण्डल	मिली वाटरशेड		
कैमूर पठार	सतना	4	28	33343
नॉर्थन हिल्स प्लेन्स	उमरिया	4	24	31919
	दक्षिण बालाघाट	12	71	74703
सतपुड़ा–नर्मदा	होशंगाबाद	5	30	33355
	दक्षिण सिवनी	11	67	75028
	उत्तर बैतूल	4	20	27860
	पश्चिम बैतूल	8	24	29083
विन्ध्य पठार	रायसेन	10	67	51000
	ओबेदुल्लागंज	10	57	51350
	सीहोर	5	28	27224
मालवा पठार	धार	3	18	10794
निमाड़ झाबुआ हिल्स	झाबुआ	3	20	20596
	बड़वानी	3	21	18218
	सेंधवा	2	11	11708
बुन्देलखण्ड	दक्षिण सागर	13	79	71378
	दक्षिण पन्ना	9	64	68068
गीर्द	श्योपुर	8	48	50343
	शिवपुरी	8	58	49501
योग		**122**	**735**	**735479**

स– ई.एस.आई.पी. परियोजना क्षेत्रः परियोजना मूल रूप से ग्रीन इंडिया मिशन के तहत चिन्हित मध्य प्रदेश के 8 लेवल–1 लैंडस्केप के 18 चयनित वनमंडलों (बड़वानी, बालाघाट दक्षिण, बैतूल उत्तर एवं पश्चिम, धार, डिंडोरी, होशंगाबाद, झाबुआ, पन्ना दक्षिण, रायसेन, सागर दक्षिण, सतना, सीहोर, सेंधवा, सिवनी दक्षिण, श्योपुर, शिवपुरी एवं उमरिया) क्रियान्वित किया जाना प्रस्तावित है।

द– ई.एस.आई.पी.प्रदर्शन क्षेत्रः परियोजना के प्रभाव को प्रदर्शित करने के लिए होशंगाबाद (5D3D6k), सीहोर (5D4A1b), एवं उत्तर बैतूल (5D5A2h) वनमंडलों में लेवल–2 के एक–एक मिली वाटर शेड लैंडस्केप का चयन किया गया है।

उक्त बैठक में निम्नानुसार निर्णय लिये गये :–

1. ग्रीन इंडिया मिशन द्वारा वर्ष 2018–2019 के दौरान चयनित एल–2 लेवल लैण्डस्केप की आधारभूत जानकारी का संकलन किया जायेगा।

2. ग्रीन इंडिया मिशन के तहत एल–1 स्तर के 8 लैण्डस्केप निर्धारित हैं। प्रत्येक एल–1 लेवल लैण्डस्केप के तहत एक–एक मिली वाटरशेड का चयन कर विकेन्द्रीकृत सहयोगात्मक योजना का निर्माण पी.पी.एस.यू. (राज्य योजना आयोग) द्वारा वन विभाग के क्षेत्रीय अधिकारियों के माध्यम से किया जायेगा। यह कार्य योजना अन्य लैण्डस्केप हेतु आदर्श का कार्य करेगी। इस प्रक्रिया के दौरान शेष लैण्डस्केप में स्थानीय संस्थाओं/क्षेत्रीय अधिकारियों की क्षमता विकास की जावेगी ताकि वे अपने अपने क्षेत्र में कार्य योजना का निर्माण कर सकेंगे।
3. इकोसिस्टम सर्विसेस इम्प्रूवमेंट परियोजना के प्रदर्श क्षेत्र हेतु चयनित तीनों लैण्डस्केप में सामाजिक, आर्थिक सर्वेक्षण व प्रशिक्षण का कार्य पी. पी. एस. यू. (राज्य योजना आयोग) द्वारा किया जावेगा।
4. ग्रीन इंडिया मिशन व इकोसिस्टम सर्विसेस इम्प्रूवमेंट प्रोजेक्ट (ESIP) से जन सामान्य की अपेक्षाएं बहुत ज्यादा है, अतः इस योजना को सही ढंग से लोगों तक पहुंचाने के लिये एवं लोगों का सही फीडबैक प्राप्त करने के लिये सुसंगत IEC फ्रेमवर्क का निर्माण किया जायेगा।
5. उपरोक्त कार्य के साथ अनुश्रवण एवं मूल्यांकन के फ्रेमवर्क तैयार किया जायेगा ताकि योजना का कियान्वयन निर्धारित समयावधि में पूर्ण हो सके।

6. पी.पी.एस.यू. (राज्य योजना आयोग) द्वारा उक्त कार्यो में सहयोग किये जाने हेतु बजट आंकलन प्रस्तुत किया जायेगा।
7. ग्रीन इंडिया मिशन की राज्य स्तरीय क्रियान्वयन समिति से इसका अनुमोदन होने पर उक्त कार्य सम्पन्न किया जा सकेगा।

(रमेश कुमार श्रीवास्तव)
प्रमुख सलाहकार
राज्य योजना आयोग एवं
नोडल अधिकारी पी.पी.एस.यू.

(के. रमन)
अपर प्रधान मुख्य वन सरंक्षक
व नोडल अधिकारी
ग्रीन इंडिया मिशन, म.प्र.

DPMs - MPSRLM

S.No.	District	Name of Officer	Contact No.	E-mail ID
1	RAISEN	MR. S.D.KHARE	7222992305	raisen@mpdpip.org
2	SAGAR	MR. HARISH DUBEY	7222992308	sagar@mpdpip.org
3	SATNA	MR. VISHNU TIWARI	7222992611	mpdaysrlmsatna17@gmail.com
4	PANNA	MR. D.K. PANDEY	7222992304	panna@mpdpip.org
5	HOSHANGABAD	MR. ASHISH M SHARMA	9406809801	nrlmhoshangabad@gmail.com
6	BALAGHAT	MR. OMPRAKASH BEDUA	7024211833	srlmbalaghat@gmail.com
7	BETUL	MR. DEVENDRA SHRIVASTAVA	8349901222	srlm.betul@gmail.com
8	SEHORE	MR. SANDEEP SONI	7222992577	nrlmsehore@gmail.com
9	SEONI	AMBREESH SONGOTRA	8349901868	nrlmseoni@gmail.com
10	DHAR	MR. HIMANSHU SHUKLA	8349901122	nrlmdhar@gmail.com
11	JHABUA	MR. VISHAL RAI	8349901302	mprlpjhabua@gmail.com
12	BARWANI	MR. DINESH BARFA	8349901102	dpsubar@gmail.com
13	SHEOPUR	MR. SOHAN KRISHNA MUDGAL	8349901905	nrlmsheopur@gmail.com
14	SHIVPURI	DR. ARVIND BHARGAWA	7222992309	shivpuri@mpdpip.org
15	UMARIA	MR. NEERAJ KUMAR PARMAR	8349901467	dpmmpdaysrlmumaria@gmail.com

योजना एवं नीति सहयोग इकाई (पीपीएसयू)
म.प्र. राज्य योजना आयोग

1st Floor, 'C' Wing, Vindhyachal Bhawan, Bhopal
Ph. No.: 0755-2551135; Fax No.: 0755-2772074; Email: spb@mp.nic.in

क्रमांक–249 /पीपीएसयू/रा.यो.आ./जी.आई.एम./2018 भोपाल, दिनांक– 05/10/2018

प्रति,

श्री के. रमन,
अपर प्रधान मुख्य वन संरक्षक,
(ग्रीन इंडिया मिशन),
103, सतपुडा भवन,
भोपाल–462004

विषयः इको सिस्टम सर्विसेस इम्प्रूवमेंट प्रोजेक्ट (ग्रीन इंडिया मिशन)।

उपरोक्त विषयांतर्गत लेख है कि योजना एवं नीति सहयोग इकाई (पीपीएसयू), राज्य योजना आयोग एवं ग्रीन इंडिया मिशन, वन विभाग के मध्य Knowledge Partnership के विषय में दिनांक 04.10.2018 को तैयार की गई रणनीति तथा परियोजना की तकनीकी व वित्तीय रूपरेखा सहमति एवं अग्रिम कार्यवाही हेतु प्रेषित की जा रही है।

आपसे हुई चर्चानुसार कृपया परियोजना अंतर्गत चयनित वाटरशेड एवं ग्रामों से संबंधित जानकारी भेजने का कष्ट करें।

(रमेश कुमार श्रीवास्तव)
प्रमुख सलाहकार
म.प्र. राज्य योजना आयोग

पृ. क्र–250 /पीपीएसयू/रा.यो.आ./जी.आई.एम./2018 भोपाल, दिनांक– 05/10/2018

प्रतिलिपि– सूचनार्थ।

1. सदस्य सचिव, म.प्र. राज्य योजना आयोग, विन्ध्याचल भवन, भोपाल।
2. आयुक्त, आर्थिक एवं सांख्यिकी संचालनालय, विन्ध्याचल भवन भोपाल।

प्रमुख सलाहकार
म.प्र. राज्य योजना आयोग

A.P.C.C.F. (G.I.M.) 8/10/18 process
Pl. examine & 6/10
Dr. SKDB, Kapil

योजना एवं नीति सहयोग इकाई (PPSU), म.प्र. राज्य योजना आयोग द्वारा ग्रीन इंडिया मिशन (GIM) अंतर्गत संशोधित बजट प्रस्ताव

दिनांक 04.10.2018

स. क्र.	ग्रीन इंडिया मिशन (GIM) अंतर्गत गतिविधियां	प्रस्तावित Deliverables	निर्धारित लागत (राशि रूपये में)	रिमार्क
1	ग्रीन इंडिया मिशन द्वारा वर्ष 2018–19 के दौरान चयनित एल–2 लेवल लैण्डस्केप की आधारभूत जानकारी का संकलन	(क) परियोजना के क्रियान्वयन हेतु चयनित लैण्डस्केप (30) की आधारभूत जानकारी (रु. 30,000/– प्रति लैण्डस्केप) (ख) वंचित वर्ग का वास्तविक चिन्हांकन	9 लाख	
2	इकोसिस्टम सर्विसेस इम्प्रूवमेंट परियोजना के प्रदर्श क्षेत्र हेतु चयनित तीनों लैण्डस्केप में सामाजिक, आर्थिक सर्वेक्षण व प्रशिक्षण	(क) परियोजना अंतर्गत मापे जाने योग्य सामाजिक आर्थिक संकेतांकों की सूची तैयार करना (रु. 2 लाख) (ख) सामाजिक, आर्थिक सर्वेक्षण प्रश्नोत्तरी निर्माण हेतु सहभागी कार्य (रु. 2 लाख) (ग) सर्वे फार्मेट (रु. 3 लाख) (घ) वन विभाग के सॉफ्टवेयर के माध्यम से सर्वे फार्मेट कस्टमाईजेशन तथा गतिविधि से संबंधित वन विभाग की टीम का प्रशिक्षण (रु. 4 लाख) (ङ) सर्वे डिजाईनिंग एवं वन विभाग की टीम का सर्वेक्षण हेतु प्रशिक्षण (रु. 10 लाख) (च) सर्वे परिणाम विश्लेषण (एक लेण्डस्केप के सामाजिक आर्थिक सर्वेक्षण का मॉडल प्रतिवेदन) (रु. 4 लाख)	25 लाख	(अ) गतिविधियों में PPSU, SPC की भूमिका Knowledge Partner एवं Deskwork Support Agency की होगी। वन विभाग प्रशिक्षण कार्यक्रमों से संबंधित अन्य Logistic arrangement की गतिविधियां सुनिश्चित करेगा। (ब) दिनांक 04.10.18 को हुई चर्चानुसार योजना एवं नीति सहयोग इकाई (PPSU) 3 मिलीवाटर शेड का भ्रमण कर क्रियान्वयन से संबंधित कार्यवाही में भी सहयोग प्रदान करेगा।
3	ग्रीन इंडिया मिशन के तहत एल–1 स्तर के 8 लैण्डस्केप निर्धारित हैं। प्रत्येक एल–1 लेवल लैण्डस्केप के तहत एक–एक मिली वाटरशेड का चयन कर विकेन्द्रीकृत सहयोगात्मक योजना का निर्माण पी.पी.एस.यू. (राज्य	(क) प्रोफाइलिंग ऑफ स्टेकहोल्डर्स, फ्रेमवर्क ऑफ कोलोब्रेशन– शेयर्ड विजनिंग एक्सरसाइज (रु. 5 लाख)	25 लाख	8 लेण्डस्केप में प्रत्येक में 1 प्लान निर्माण कुल 8 प्लान निर्माण– 1. गिर्द शिवपुरी – श्योपुर

	ग्रीन इंडिया मिशन (GIM) अंतर्गत गतिविधियां	प्रस्तावित Deliverables	निर्धारित लागत (राशि रूपये में)	रिमार्क
	योजना आयोग) द्वारा वन विभाग के क्षेत्रीय अधिकारियों के माध्यम से किया जायेगा। यह कार्य योजना अन्य लैण्डस्केप हेतु आदर्श का कार्य करेगी। इस प्रक्रिया के दौरान शेष लैण्डस्केप में स्थानीय संस्थाओं/ क्षेत्रीय अधिकारियों की क्षमता विकास की जावेगी ताकि वे अपने–अपने क्षेत्र में कार्य योजना का निर्माण कर सकेंगे	(ख) प्रोसेस डिजाईनिंग (मेन्स्ट्रॉमिंग ऑफ कन्जरवेशन इन प्लानिंग **(रु. 2 लाख)** (ग) क्षमता वर्धन– एच.आर., आई.टी., इन्फ्रॉस्ट्रक्चर, इत्यादि **(रु. 5 लाख)** (घ) फील्ड वर्क/वातावरण निर्माण, नियोजन प्रक्रिया, PRA's डाटा कलेक्शन **(रु. 5 लाख)** (च) लेण्डस्केप बेस्ड नियोजन दस्तावेज निर्माण **(रु. 8 लाख)**		2. विन्ध्या– रायसेन, औबदुल्लागंज, सीहोर 3. सतपुडा– नर्मदा– होशंगाबाद, बैतूल (उत्तर–पश्चिम), सिवनी (दक्षिण) 4. केमूर– सतना 5. झाबुआ– निमाड हिल्स– बड़वानी, झाबुआ 6. मालवा पठार– धार 7. नार्थ हिल्स प्लेन– बालाघाट, उमरिया 8. बुन्देलखंड– पन्ना, सागर (दक्षिण)
4	ग्रीन इंडिया मिशन व इकोसिस्टम सर्विसेस इम्प्रूवमेंट प्रोजेक्ट (ESIP) से जन सामान्य की अपेक्षाएं बहुत ज्यादा है, अतः इस योजना को सही ढंग से लोगों तक पहुंचाने के लिये एव लोगों का सही फीडबैक प्राप्त करने के लिये सुसंगत IEC फ्रेमवर्क का निर्माण	(क) परियोजना अंतर्गत जन सामान्य की भागीदारी बढाने हेतु विस्तृत सूचना, शिक्षा व संचार (IEC) का फ्रेमवर्क निर्माण करना (ख) गिड–कोर्स–करेक्शन **(रु. 2 लाख)** (ग) वन विभाग द्वारा IEC फ्रेमवर्क के क्रियान्वयन हेतु निर्धारित इकाई द्वारा किये जा रहे संचालन की मॉनीटरिंग **(रु. 2 लाख)**	4 लाख	
	उपरोक्त कार्य के साथ अनुश्रवण एवं मूल्यांकन के फ्रेमवर्क तैयार किया जायेगा ताकि योजना का क्रियान्वयन निर्धारित समयावधि में पूर्ण हो सके।	परियोजना हेतु निर्धारित RFD का स्थानीय परिदृश्य को दृष्टिगत रखते हुए अपनाने योग्य Monitoring Matrix का निर्धारण।	3 लाख	
	कुल लागत		**66 लाख**	

4/8/18

(डॉ. योगेश माहोर)
डिप्टी टीम लीडर, पीपीएसयू,
म.प्र. राज्य योजना आयोग

Progress Report of Green India Mission, Madhya Pradesh Forest Department

MP State Planning Commission (SPC) is engaged on effectively institutionalizing the participatory planning process in entire state by ensuring optimum participation of all community. SPC is collaborating with MP State, Forest Department in Green India Mission.

Progress made till 31st March, 2019

1. Preparation of Socio-economic Profile of various watersheds of identified landscape.
    a. Prepared landscape profiles Profile of following Mili Watersheds of various district. (list enclosed)
    b. Suggested baseline format for establishing baseline of project area
2. Preparation of Information education and communication (IEC) strategy & implementation plan for Green India Mission
3. Prepared document of IEC for Green India Mission (enclosed).
1. Three rounds of consultation of Green India Mission, State Unit regarding-
    a. Participatory goal setting in landscape development.
        i. Framework for collaboration.
        ii. Roles and responsibilities of various actors available in selected landscape
        iii. Institutional arrangement.
    b. Importance of stakeholder analysis and process of state holder analysis.
    c. Creation of village profile.
    d. Discussion on PRA, RRA, Appreciative enquiry and Micro plan preparation.
2. Any other requirement made by department time to time regarding project implementation.

Ramesh Kumar Srivastav
Principal Advisor
State Planning Commission
Madhya Pradesh

List of Mili Watershed Completed for Socio Economic Cast Census Data 2011

Sl. NO.	District	Mili Watershed Code
1.	Betul	5C5B5y
2.	Betul	5D5A2j
3.	Hoshangabad	*5D5Ab*
4.	Jhabua	*5E2A5s*
5.	Raisen (Obdullaganj)	*5D4A3p*
6.	Raisen	*5D4A5m*
7.	Raisen	*5D4A5d*
8.	Panna	2C1C4h
9.	Panna	2C1C6u
10.	*Satna*	*2A7E6k*
11.	Sehore	*5D2D8g*
12.	Shivpuri	2C3D1g
13.	Shivpur	2C3D2g
14.	Badwani	*5D3A4a*
15.	Badwani	*5D3A4n*
16.	Balaghat	*4E5G3k*
17.	Balaghat	*4E5G5m*
18.	Sagar	*2C1E7d*
19.	Sagar	*2C2G6b*
20.	Umaria	*2A6H4d*
21.	Umaria	*2A6H4u*
22.	Sheopur	*2D1B8t*

Annexure - IX

Madhya Pradesh Forest Department

Green India Mission

Training on Carbon measurement techniques

Date: 30-1-19 to 1-2-19
Place: Forest Survey of India, Dehradun

The training was organized at Forest Survey of India (FSI), Dehradun with an objective to help Madhya Pradesh team understand Carbon measurement techniques.

1. The training began with a brief round of introduction followed by the documentary on Forest Survey of India for an orientation of the institute. Followed by a detailed presentation by the Director General of the Institute.
2. The training was divided into various sessions to strengthen participants understanding of carbon measurement. Also it was very important to understand the basics of carbon measurement and its techniques.
3. The first presentation was on Forest carbon assessment was presented by Dr. Subhash Ashutosh, DG, FSI. He explained climate change and the hazardous impacts of increasing green house gases. The team discussed the various dreadful impacts of climate change with confirmatory evidences such as rising sea level, global temperature change, severe drought and heat waves, stronger storms etc. Presentation of facts and figures helped the team understand the extent of climate change. Sir explained IPCC 1.5° special report and expressed his concern of rapidly decreasing window of action. Key aspects of Paris accord agreement were also explained. In the later part of the presentation sir explained the key measures that can be taken in order to play a vital role in reducing the climate change impacts. He explained how enhancing forest carbon sink can result into achieving the target promised in Paris agreement, which is a non legal bidding agreement by Prime minister of India. Currently only 50 million tons of carbon is currently absorbed by the forests in India. The repercussions of not achieving the Paris agreement goals may erode the image of our country. Sir explained that Green India mission could play a vital role in helping our country achieve the targets.
4. In the second part of the presentation DG, FSI explained IPCC framework for forest carbon assessment. He explained the two accounting paradigms for forest carbon assessment – stock difference approach and gain – loss approach, both the approaches where discussed in detail

Figure 1 Three Days Training Course for Officers of Madhya Pradesh Forest Department on Carbon Estimation

5. during the training. Discussions were held on forest cover mapping which was explained further in the laboratory session.
6. In the next session Smt Meenakshi Joshi, Joint director forest goeinformatics division, FSI helped us understand the concept of forest cover and type mapping. She briefly explained the various divisions under forest geoinformatics. For forest carbon estimation FSI uses forest cover maps, forest type maps, national forest inventory data and results of biomass estimation. We further tried to understand all these concepts in details for understanding how forest carbon estimation is done. The definitions were explained in detail and in simplified manner which helped the participants in understanding the concepts. We discussed forest cover and the different class of forest. Forest cover mapping process was explained and the same was to be practically experienced on the second day. Joint director forest geoinformatics division explained the outcomes of the mapping such as change matrix, forest cover in hill and in tribal districts, national and state level forest cover with district wise figures, etc. these information's are usually used as secondary data. Further, the team was explained forest type mapping which provides scientific basis for climate change, resources assessment, environment impact assessment, carbon stock assessment, etc.
7. In the next session we discussed with Shri Prakash, DDG (TFI) about pool wise data requirement for carbon assessment. He explained the six different categories of considered for reporting of Green house gases. The team discussed that all the categories are important as in GIM we are considering the entire landscape. Also, APCCF, GIM requested to consider the area where there is no forest cover but there are root stocks which contribute to the carbon pool. DDG (TFI) explained different carbon pool under the three categories such as living biomass; dead organic matter and soil which strengthened the discussion on considering no forest cover area with root stocks. It was further discussed that the maximum carbon pool exists in above ground tree biomass. This carbon pool contributes to the maximum carbon stock changes. In the later part of the presentation we were explained in detail how carbon stocks in different categories are assessed. The sampling technique was different than the one practiced by ICFRE during their survey in Madhya Pradesh. This was further discussed with ICFRE team during their presentation. DDG (TFI) marked the period of October to December as the best period of data collection for carbon assessment.
8. Thus, day one ended with the introduction to FSI and its objectives. The presentations helped the team understand the concepts, techniques and processes of the carbon stock assessment.
9. On day two APCCF, Green India Mission (GIM) gave a detailed presentation on GIM, which helped everyone understand the objective and the vision of the project. APCCF, GIM described it as a composite plan for climate change and emphasized that GIM is not merely a general plantation project, but it deals with various submission. These submissions cover the livelihoods component of the forest dependent communities, renewable energy sources, grassland development, etc. APCCF, GIM discussed how forest are important safety net for the forest dependent communities. GIM can support the nation in achieving the Paris agreement target as promised by our Prime Minister and that it is the question of forest department's credibility. The presentation gave a detailed understanding of the project and boosted the participants for the 3 days training program.
10. The next presentation was given by Dr. Subrata Nandi, Scientist (Forestry and Ecology department) on use of high resolution satellite data in assessment of carbon stocks. He explained the history of high resolution sensors and with time how have they evolved.
11. We further understood object based image analysis which helps in the carbon stock mapping. The complete methodology of carbon stock mapping was also described in detail.

12. The second part of the presentation we were explained the application of Eddy covariance technique in carbon flux measurement and modeling. There are various carbon exchange components such as gross primary productivity, net primary productivity, net ecosystem productivity and net ecosystem exchange. These components help in assessment of movement of carbon between carbon reservoir or pool, which is called carbon flux. There is also a traditional method of assessing net ecosystem exchange by quantification of temporal changes in biomass using field based inventory. This traditional method is practically difficult to carry out, thus the Eddy covariance technique has accepted as an alternative method to assess net ecosystem exchange. It is the most accurate, direct and defensible approaches available to date for measurement of gas fluxes and monitoring of gas emissions from areas with sizes ranging from a few hundred to millions of square kilometers.
13. This session also helped the team understand the role of remote sensing for synoptic monitoring of vegetation functioning with wider coverage. The most important aspect is that remote sensing helps in validation of ecosystem model outputs. Remote sensing data is used for extrapolation of data.
14. Discussions were held on the number of flux towers to be installed for different types of forests. Other countries have developed methodologies and we do have sufficient number of flux towers are some of the challenges. Forest where flux is installed is not source of carbon; it is pure sink of carbon. This is because vehicles have no access in such areas and thus it is an ideal condition.
15. The next presentation was on creation of strata and laying out of sample plots for carbon assessment – A case study for Hoshangabad. This session helped the team in understanding the concepts and their applications. The data required for carrying out assessment are – division boundary, recorded forest area, forest cover map, forest type map and number of sample size. The forest cover map was studied for the assessment. Two forest types – tropical moist deciduous forest and tropical dry deciduous forest were identified with three density classes each – open forest, moderately dense forest and very dense forest following with generation of random sample plots in each strata.
16. The session also included method of estimation of carbon flux in Madhya Pradesh. There are two methods - change analysis of forest density cover and ICFR 15, 17 overlay analysis. The estimation resulted in Madhya Pradesh as net emitter. There was a detailed discussion held on the data collected which was resulting Madhya Pradesh as net emitter.
17. In the laboratory sessions the team got an opportunity to understand forest cover mapping, e green watch and forest fire. This session helped the team in understanding the processes carried out by FSI which is important for carbon measurement. The raw data is procured from National remote sensing centre, NRSA. Geo referencing of raw data with the previous images is done, Google maps are often used for validation. There are nine elements of interpretation – tone, texture, pattern, association, shape, shadow, size, smoothness and coarseness. This is also helpful in identifying forest fire and alerts are generated. The session also included e- green watch which is an integrated e-governance portal that enables the temporal change detection for the effective online monitoring and evaluation of works in forestry. The application is helps is showing the compensatory afforestation, plantations, diverted land, etc. The data on the portal is real time and is accessible to all the stakeholders and public at large.
18. The next session was on database entry and developing factors for carbon assessment. We were introduced database management system and the advantages of using a database management system. There was a discussion on using database management system over excel. The data entry in excel is difficult and chances of errors are high. Whereas once a project is designed in a database management system there is no chances of any error, as the erroneous data will not

be accepted by the system. The session also included step by step details of creating forest database in NFI database. We were given live demonstration of data entry and data export utility software for national forest inventory.

19. It was discussed that developing a database will be helpful in maintaining a huge pool of data. It will also help in analysis of the progress done in the project and the data would be handing if anyone would later look forward to referring the data.
20. The session on the last day began with a presentation on strata creation and generation of samples which was presented on day two of the training program. It was a revision session and it helped in understanding the concepts of stratified random sampling.
21. We also had a session on estimation of carbon in Bamboo presented by Shri H.K. Tripathi, Consultant at FSI. The presentation led to the discussion of role of Bamboo in meeting the targets of carbon sequestration, it is fast growing species and can mature in 3 years. Bamboo occurrence is indicated by its density, quality, flowering and regeneration. There are different datasheets such as Bamboo clump analysis form, Bamboo enumeration form, Bamboo weight, etc designed to collect the data for analysis. There are various factors considered while calculating growing stock and carbon in Bamboo. Bamboo area by quality wise, bamboo clumps by quality and size class, bamboo clump per hectare by bamboo quality and size class, etc. Inorder to get green weight of bamboo, green weight factor of bamboo is used whereas for dry weight of bamboo, dry weight factor is used. An exercise of estimating carbon stock in bamboo in Hoshangabad district was also carried out.
22. The last session was on the field exercise protocols developed by ICFRE for carbon assessment. After the completion of the two days of training program the participating team was well versed with the methodologies. Thus, the team was looking forward to the methodologies adopted by ICFRE for carbon assessment in Ecosystem services and improvement project (ESIP) area of Madhya Pradesh. Few facts and figures on the role of forest in carbon sequestration were presented. ICFRE refers to the FSI 2017 report for carbon stock status in Madhya Pradesh which was also discussed. The team was already introduced to flux tower in the previous day's session and were glad to know that one such flux tower will be installed in ESIP project area. The criteria for site selection were similar to the one explained by Dr. Subrata Nandi, Scientist (Forestry and Ecology department). For preparing the inventory ICFRE has referred to IPCC (2003): Good practice guidance for land use, land use change and forestry and IPCC (2006): Guideline for National greenhouse gas inventories. In the three tier system of IPCC tier 2 method is followed in ESIP area. Tier 2 systems can be used in countries where country specific estimates of activity data and emission/removal factors are available or can be gathered at reasonable cost.
23. The baseline approach was discussed during the presentation. Stratification of ESIP project area was done and its importance was also explained. The stratified random sampling in the ESIP area was carried out with a target to achieve 90% accuracy of estimates. The sample sizes calculated were 30 for Hoshangabad (Banapura), 43 for North Betul (Bhaura) and 36 for Sehore (Budhni). As discussed on the second day of training higher the percentage of error lesser is the sample size. FSI team discussed that the sample size according to the landscape area is too low and should be reconsidered. Also, the participating team proposed ICFRE consultant to consider the entire landscape rather than considering only the forest cover area. The sampling technique of collecting litter and herbs was a little different than explained by FSI. The 1x1 m plot and 3x3 m plot is marked inside the plot area of 0.01 hectares for sampling whereas these plots are marked outside the sampling plot area by FSI. The team proposed uniformity in the methods for it resulted in confusion among the frontline staff.
24. The three days training program ended with feedback session followed by valedictory of all the participants. The training helped the participating team in understanding the carbon

measurement techniques and the derivations of the techniques. All the references were shared which helped the team strengthen their learning. The laboratory session helped us understand even the fundamentals of remote sensing and GIS.

25. The entire Madhya Pradesh team is thankful to FSI for organizing the training program.

List of participants

1. Shri K. Raman, APCCF, Green India Mission Bhopal
2. Shri Satish Chandra Silawat, APCCF, Working plan unit Indore
3. Shri N. S. Dungriyal, APCCF, Working plan unit Jabalpur
4. Shri Amit Kumar Dubey, CCF, Working plan unit Gwalior
5. Shri C. S. Ninama, CCF, Working plan unit Ujjain
6. Shri D. K. Paliwal, CCF, Working plan unit Shivpuri
7. Shri Anil Shukla, DFO Jhabua
8. Shri Lovit Bharti, DFO Shivpuri
9. Shri Hemant Kumar Yadav, SDO Kalda, South Panna division
10. Shri Madhav More, SDO Barwani, Division Barwani
11. Shri Rakesh Damore, SDO Sardarpur, Division Dhar
12. Shri Rakesh Kudape, SDO Kurai, Division South Seoni
13. Shri Amit Patori, SDO Katangi, Division South Balaghat
14. Shri Dhirendra Singh, SDO Satna, Division Satna
15. Shri D.S. Chauhan, SDO Sheopur, division Sheopur
16. Shri Ganesh Kumar Uikey, RO, Working plan unit Balaghat
17. Shri Mitendra Chichkhede, RO, Working plan unit Balaghat
18. Shri Manmohan Singh Jatav, RO, Working plan unit Seoni
19. Shri Dashrath Akhand, RO, Working plan unit Betul
20. Shri Vinay Kumar Meshram, RO, Working plan unit Chhindwara
21. Shri Hargovind Mishra, Incharge RO, Banapura, Division Hoshangabad
22. Shri G. S. Jatav, RO Shahpur, Division North Betul
23. Shri S. K. Somvanshi, RO Chicholi, Division West Betul
24. Shri Dhirendra Singh Rajput, RO Bineka, Division Obedulaganj
25. Shri Harion Mann, RO Sehore, Division Sehore
26. Shri Sanjay Malviya, RO Pansemal, Division Sendhwa
27. Shri Papu Singh Waskel, FRO
28. Shri Sunil Pandre, RO Bhopal, Working plan unit Bhopal
29. Shri Ram Krishna, RO Bhopal, Working plan unit Bhopal
30. Ms. Asha Roseline Kujur, Forestry/Ecosystem services and knowledge management specialist, GIM Bhopal

List of trainers at FSI

1. Dr. Subhash Ashutosh, DG, FSI
2. Shri Sushant Sharma, JD (TFI)
3. Shri Prakash Lakhchaura, DDG (TFI)
4. Smt. Meenakshi Joshi, JD (NFDMC)
5. Shri E. Vikram, DD (FCM-I)
6. Shri H. K. Tripathi, Consultant
7. Smt. Sushila Tripathi
8. Shri Manoj Uniyal
9. Dr. Subrata Nandi, Scientist (Forestry and Ecology department)
10. Dr. Shahid, Consultant ICFRE

Annexure -X

Division Wise List of Beneficiary

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Balaghat	South Balaghat	4E5G5m	Entrepreneurship Development Program	1 Mamta Uikey	-	Mohantola
Balaghat	South Balaghat	4E5G5m	Entrepreneurship Development Program	2 Usha Patle	-	Mohantola
Balaghat	South Balaghat	4E5G5m	Entrepreneurship Development Program	3 Durmila Marskole	-	Mohantola
Balaghat	South Balaghat	4E5G5m	Entrepreneurship Development Program	4 Sulekha Marskole	-	Mohantola
Balaghat	South Balaghat	4E5G3k	Entrepreneurship Development Program	5 Arti Varkade	-	Mohantola
Balaghat	South Balaghat	4E5G3k	Entrepreneurship Development Program	6 Dipika Marskole	-	Mohantola
Balaghat	South Balaghat	4E5G3k	Entrepreneurship Development Program	7 Amar Singh	-	Mohantola
Balaghat	South Balaghat	4E5G3k	Entrepreneurship Development Program	8 Udal Uikey	-	Mohantola
Betul	North Betul	5D5A2h	Sanitary Napkin Unit	9 Kusma	Premlal	Bhauradhana
Betul	North Betul	5D5A2h	Sanitary Napkin Unit	10 Rukhmani	Rajesh	Bhauradhana
Betul	North Betul	5D5A2h	Sanitary Napkin Unit	11 Sangita	Santosh	Bhauradhana
Betul	North Betul	5D5A2h	Sanitary Napkin Unit	12 Seema	Mantri	Bhauradhana
Betul	North Betul	5D5A2j	Sanitary Napkin Unit	13 Kanti	Shivpal	Bhauradhana
Betul	North Betul	5D5A2j	Sanitary Napkin Unit	14 Sheela	Suresh	Bhauradhana
Betul	North Betul	5D5A2h	Sanitary Napkin Unit	15 Kanti	Radheshyam	Bhauradhana
Betul	North Betul	5D5A2h	Sanitary Napkin Unit	16 Priti	Anil	Bhauradhana
Betul	North Betul	5D5A2h	Sanitary Napkin Unit	17 Sunita	Laxman	Bhauradhana
Betul	North Betul	5D5A2h	Sanitary Napkin Unit	18 Anita	Pappu	Bhauradhana
Betul	North Betul	5D5A2j	Sanitary Napkin Unit	19 Sunita	Naresh	Bhauradhana
Betul	North Betul	5D5A2j	Sanitary Napkin Unit	20 Fulan	Ashok	Bhauradhana
Betul	West Betul	5C5B5q	Alternative Energy resources	21 Ramesh	Shyamu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	22 Surendra	Ramesh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	23 Manju	Shyamu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	24 Manohar	Mangal	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	25 Sadan	Mangal	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	26 Sahablal	Mangal	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	27 Parsram	Panna	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	28 Kalesingh	Chanu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	29 Rajesh	Kalesingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	30 Rajguru	Kalesingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	31 Lipu	Panna	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	32 Kanhai	Channu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	33 Somlal	Kahniya	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	34 Sommu	Panna	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	35 Panna	Channu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	36 Magan	Panna	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	37 Munna	Bhaddu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	38 Chatan	Munna	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	39 Munshilal	Bhaddu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	40 Sandeep	Mukesh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	41 Sukhchand	Mangu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	42 Lalman	Sukhchand	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	43 Phoolchand	Mangu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	44 Ramesh	Phoolchand	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	45 Golman	Sukhchand	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	46 Mahavir	Mangu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	47 Bhondu	Mangu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	48 Jagadish	Mondu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	49 Dhannu	Jhalku	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	50 Kamalsingh	Ghannu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	51 Nandkishore	Shivaji	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	52 Ramki	Dulla	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	53 Phoolchand	Kisan	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	54 Kamalsingh	Kahniya	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	55 Mallu	Jabarsingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	56 Kamalsingh	Mallu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	57 Lakhan	Dallu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	58 Dallu	Jabarsingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	59 Ramsingh	Dallu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	60 Munna	Kisan	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	61 Kissu	Munna	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	62 Shivru	Kisan	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	63 Gendlal	Shivru	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	64 Bihari	Doma	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	65 Shankar	Bihari	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	66 Munna	Mondu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	67 Ramlal	Mondu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	68 Ramdas	Surba	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	69 Shyamlal	Mondu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	70 Sukha	Mondu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	71 Ramu	Kisan	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	72 Pintu	Ramu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	73 Bhilu	Chironji	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	74 Bastiram	Bhilu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	75 Nilesh	Bhilu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	76 Mithilesh	Bhilu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	77 Bhiliya	Chironji	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	78 Ritesh	Biliya	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	79 Chironji	Manju	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	80 Premlal	Chironji	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	81 Doma	Dariyav	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	82 Ramsingh	Doma	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	83 Imrat	Doma	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	84 Kokasa	Dariyav	Chunabhuru

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Betul	West Betul	5C5B5q	Alternative Energy resources	85 Mana	Jhamsa	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	86 Mansha	Jhamsa	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	87 Suku	Kisan	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	88 Lalman	Suku	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	89 Ramdayal	Amru	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	90 Somu	Ramdayal	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	91 Chawalsingh	Ramdayal	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	92 Kalanta	Kumansingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	93 Ramcharan	Kumansingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	94 Bihari	Dariyav	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	95 Sumrat	Bihari	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	96 Phoolesingh	Amarsingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	97 Deepak	Phoolesingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	98 Pawan	Phoolesingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	99 Ramcharan	Amarsingh	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	100 Chaitu	Mannu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	101 Manu	Manuu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	102 Jaddu	Mannu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	103 Sukhdev	Jadu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	104 Saddu	Mannu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	105 Nitesh	Saddu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	106 Shayamlal	Mallu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	107 Roniya	Sukhlala	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	108 Kailash	Mansu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	109 Sukkal	Shyamu	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	110 Pintulal	Sukal	Chunabhuru
Betul	West Betul	5C5B5q	Alternative Energy resources	111 Sukhram	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	112 Sahablal	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	113 Nathu	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	114 Khadaksingh	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	115 Molbi	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	116 Koki	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	117 Channu	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	118 Hadesingh	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	119 Nathu	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	120 Lima	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	121 Amrasa	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	122 Shivram	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	123 Nehru	-	Mohada
Betul	West Betul	5C5B5q	Alternative Energy resources	124 Birju	-	Mohada
Betul	West Betul	5C5B5q	Stitching training	125 Phulma	Dinesh	Mohada
Betul	West Betul	5C5B5q	Stitching training	126 Ishvanti	Brijlal	Mohada
Betul	West Betul	5C5B5q	Stitching training	127 Sheela	Chatar	Mohada
Betul	West Betul	5C5B5q	Stitching training	128 Bali	Mukesh	Mohada
Betul	West Betul	5C5B5q	Stitching training	129 Manisha	Sonsingh	Mohada
Betul	West Betul	5C5B5q	Stitching training	130 Parvati	Lalman	Mohada
Betul	West Betul	5C5B5q	Stitching training	131 Nikita	Ramcharan	Mohada
Betul	West Betul	5C5B5q	Stitching training	132 Ramvati	Rameshvar	Mohada
Betul	West Betul	5C5B5q	Stitching training	133 Parvati	Subhash	Mohada
Betul	West Betul	5C5B5q	Stitching training	134 Sangeeta	Gangu	Mohada
Betul	West Betul	5C5B5q	Stitching training	135 Suganti	Sukhdev	Mohada
Betul	West Betul	5C5B5q	Stitching training	136 Sharda	Subedar	Mohada
Betul	West Betul	5C5B5q	Stitching training	137 Mamta	Ashok	Mohada
Betul	West Betul	5C5B5q	Stitching training	138 Rajni	Mithlesh	Mohada
Betul	West Betul	5C5B5q	Stitching training	139 Ramvati	Lakhan	Mohada
Betul	West Betul	5C5B5q	Stitching training	140 Geeta	Ravindra	Mohada
Betul	West Betul	5C5B5q	Stitching training	141 Sunita	Satish	Mohada
Betul	West Betul	5C5B5q	Stitching training	142 Lakshmi	Munna	Siyardhana
Betul	West Betul	5C5B5q	Stitching training	143 Phoolsingh	Sumat	Siyardhana
Betul	West Betul	5C5B5q	Stitching training	144 Bablu	Rogsingh	Siyardhana
Betul	West Betul	5C5B5q	Computer Training	145 Durgavti	-	Mohada
Betul	West Betul	5C5B5q	Computer Training	146 Mona Durve	-	Mohada
Betul	West Betul	5C5B5q	Computer Training	147 Priyanka	-	Mohada
Betul	West Betul	5C5B5q	Computer Training	148 Raveena	-	Mohada
Betul	West Betul	5C5B5q	Computer Training	149 Shushila	-	Mohada
Betul	West Betul	5C5B5q	Computer Training	150 Manoj	-	Basinda
Betul	West Betul	5C5B5q	Computer Training	151 Sandeep	-	Mohada
Betul	West Betul	5C5B5q	Computer Training	152 Suraj	-	Mohada
Betul	West Betul	5C5B5q	Computer Training	153 Sahej Vatke	-	Mohada
Betul	West Betul	5C5B5q	Computer Training	154 Shespal Ivane	-	Basinda
Bhopal	Obedullahganj	5D4A3p	Poultry farming	155 Suersh	Hare singh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	156 Gulab singh	Bhagilal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	157 Suneel	Durgaprasad	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	158 Jiyalal	Ganeshram	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	159 Sodansingh	Ramdayal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	160 Raghunath	Gulabsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	161 Dhaniram	Ramdayal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	162 Jasbant	Mangilal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	163 Mahendra	Jasbant	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	164 Kishanlal	Ramchandra	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	165 Kailash	Kishan	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	166 Mansingh	Setu	Dugariya
Bhopal	Obedullahganj	5D4A3p	Poultry farming	167 Narvada	Gulabsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Kirana Store	168 Mishrilal	Mohan	Dugariya
Bhopal	Obedullahganj	5D4A3p	Kirana Store	169 Sanjay	Durgaprasad	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	170 Gajraj	Ram Singh	Dugariya

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Bhopal	Obedullahganj	5D4A3p	Tailoring	171 Hanumat	Gajraj singh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	172 Sataram	Gajraj singh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	173 hare singh	Sukhram	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	174 Chatur singh	Hare singh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	175 Maniram	Gulabsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	176 Ramdayal	Ramchandra	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	177 Dhanlal	Mansingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	178 Shriram	Dhanlal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	179 Meenbai	Rajendra	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	180 Jairam	Dhanlal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	181 Radheshyam	Gulabsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	182 Mukesh	Abadhnarayan	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	183 Baparam	Narsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	184 Amar Singh	Narsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	185 Susheela bai	Munnalal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	186 Bheem singh	Munnalal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	187 Mahesh	Kishan	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	188 Santosh	Kishan	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	189 Prakash	harchandra	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	190 Sorat Bai	Kamal singh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	191 Karan Singh	Pratap Singh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	192 Kashiram	Karan Singh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	193 Sher Singh	Babulal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	194 Jai Singh	Babulal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	195 Babulal	Ramreen	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	196 Kishan	Babulal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	197 Mohan	Baliram	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	198 Bhagwan Singh	Baliram	Dugariya
Bhopal	Obedullahganj	5D4A3p	Tailoring	199 Kamru	Keshav singh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	200 Suresh	Ramdayal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	201 Abadhnarya	Pannalal	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	202 Kamal Singh	Narsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	203 Parasram	Ganeshram	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	204 Barulal	Narsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	205 Sultaan singh	Ramsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	206 Gayaprasad	harchandra	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	207 Arvind	Gulabsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Dona Pattal Nirman	208 Babulal	Ramsingh	Dugariya
Bhopal	Obedullahganj	5D4A3p	Bailder	209 Seebhi bai	hariram	Gadha
Bhopal	Obedullahganj	5D4A3p	Bailder	210 Raghuveer	Dhansingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Cumputer	211 Tulsiram	Barelal	Gadha
Bhopal	Obedullahganj	5D4A3p	Cumputer	212 Roshan	Barelal	Gadha
Bhopal	Obedullahganj	5D4A3p	Cumputer	213 Jabaharlal	Bhabani lal	Gadha
Bhopal	Obedullahganj	5D4A3p	Cumputer	214 Ramsingh	Phool Singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Mension Work	215 Suresh	Phool Singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	216 Denish	Jamuna Prasad	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	217 Amratlal	kashiram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	218 Suratsingh	Pooran lal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	219 Dhanlal	Deviram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	220 Balmukand	somta	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	221 Mishrilal	Balmukand	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	222 Mukesh	Balmukand	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	223 Ashok	Jabharlal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	224 Govardhan	Babulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	225 Rajju	Mahanlal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	226 Rambai	Prabhulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	227 parshuram	Dhansingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	228 Karodilal	Pooran lal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	229 Kishanlal	Karodi lal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	230 Nakal	Ramcharan	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	231 Bhoorn	Ramcharan	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	232 Vinod	Phool Singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	233 Bhagchand	Kallu	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	234 Brajesh	Bhagchand	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	235 Pradeep	Ramsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	236 Lalsingh	Devchand	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	237 Atarsingh	Nandram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	238 Dhan singh	Nandram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	239 Bhavarlal	Battulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	240 Munnulal	Balchand	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	241 Ratanlal	Bhagheerath	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	242 Bhagirath	Ratanlal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	243 Rajkumar	Bhagwaan singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	244 Rajkumar	Bhagwaan singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	245 Rangeet	Bhagwaan singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	246 Malkhan	Bhagwaan singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	247 Mangilal	Kaluram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	248 Chandu	Hiralal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	249 hukmi bai	Munnilal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	250 Sultaan singh	Balkan	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	251 Kamlesh	Deepsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	252 Mukesh	Deepsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	253 Sattabai	Jagdeesh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	254 Suneel	Pavan	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	255 Sarjeet	Jagar Singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	256 Rajesh	sargeet	Gadha

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Bhopal	Obedullahganj	5D4A3p	Tailoring	257 Sueel	sargeet	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	258 Ratan	Kartarsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	259 Raghuveer	Kartarsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	260 Jagdeesh	Lamsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	261 Rajaram	kashiram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	262 Ramdas	kashiram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	263 Bhagwaan singh	kashiram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	264 Suresh	kashiram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	265 Ramesh	Babulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	266 Ramswaroop	Babulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	267 Atarsingh	Babulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	268 Prataap	Hiralal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	269 Hariprasad	Balchand	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	270 Jeevanlal	hariprasad	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	271 Imartibai	imratlal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	272 Shivprasad	Sardar	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	273 Ramswaroop	Sardar	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	274 Bhagwat	Sardar	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	275 Pakhti bai	Dhannulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	276 Babulal	Hiralal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	277 Bhagwaan singh	Gyrsi	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	278 Dhan singh	imratlal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	279 Brajesh	Deviram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	280 Gorelal	Gyansingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	281 Rajesh	Mohan	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	282 Kala bai	Bhailal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	283 Balaram	shukhram	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	284 Naval	Balchand	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	285 Hukam lal	Balchand	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	286 Narayan	biharilal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	287 Mangal	Narayan	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	288 Vishram	biharilal	Gadha
Bhopal	Obedullahganj	5D4A3p	Tailoring	289 Kaliya bai	Karodi	Gadha
Bhopal	Obedullahganj	5D4A3p	Plantation	290 Yshodabai	Barelal	Gadha
Bhopal	Obedullahganj	5D4A3p	Plantation	291 Phool Singh	Jhannulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Plantation	292 jeevan singh	Phool Singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Plantation	293 Ashok	Phool Singh	Gadha
Bhopal	Obedullahganj	5D4A3p	Plantation	294 narvada	Mannulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Plantation	295 Durgaprasad	Hareram	Gadha
Bhopal	Obedullahganj	5D4A3p	Plantation	296 Choti bai	shriramswaroop	Gadha
Bhopal	Obedullahganj	5D4A3p	Plantation	297 Vishnu prasad	Mittulal	Gadha
Bhopal	Obedullahganj	5D4A3p	Santing work	298 Manoj	karodilal	Gadha
Bhopal	Obedullahganj	5D4A3p	Santing work	299 Santosh	kashiram	Gadha
Bhopal	Obedullahganj	5D4A3p	Santing work	300 Phool Singh	kashiram	Gadha
Bhopal	Obedullahganj	5D4A3p	Santing work	301 kailash	Lilaram	Gadha
Bhopal	Obedullahganj	5D4A3p	Diver	302 Premsingh	Ramsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Diver	303 Munnibai	kamalsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	Diver	304 Arvind	kamalsingh	Gadha
Bhopal	Obedullahganj	5D4A3p	carpainter	305 Ramkali bai	Dayachand	Gadha
Bhopal	Obedullahganj	5D4A3p	carpainter	306 kamal	Kallu	Gadha
Bhopal	Obedullahganj	5D4A3p	carpainter	307 Babulal	Kallu	Gadha
Bhopal	Obedullahganj	5D4A3p	Mechnic	308 Jamna bai	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Mechnic	309 Hiralal	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Mechnic	310 Lalram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Elctric item reparing	311 Roopchand	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	312 Mohanram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	313 Phool singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	314 Harinarayan	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	315 Gopal singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	316 Sukhram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	317 Narmad prasad	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	318 Sanjaya	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	319 Omprakash	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	320 Tulsiram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	321 Dayaram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	322 Riksha	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	323 Maniram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	324 Mangal Singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	325 Narayan singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	326 devkishan	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	327 Tej singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	328 Santram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Tailoring	329 Mohan singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	330 Sardar singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	331 Bhavar lal	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	332 deep singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	333 Mahendra singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	334 Babulal	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	335 Kailash	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	336 deviram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	337 sundarlal	-	Bineka
Bhopal	Obedullahganj	5D4A3p	sequrity gard	338 Madanlal	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Papad Nirman	339 Tulsiram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Plumbaring	340 Hariram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Dery	341 deviram	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Dery	342 Jeetmal	-	Bineka

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Bhopal	Obedullahganj	5D4A3p	Dery	343 Premnarayan	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Dery	344 Vimal	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Dery	345 Phool singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Dona Pattal nirman	346 Gendalal	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Dona Pattal nirman	347 Komal singh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Agarbatti nirman	348 Biharilal	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Agarbatti nirman	349 PreetiBai	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Agarbatti nirman	350 Kamlesh	-	Bineka
Bhopal	Obedullahganj	5D4A3p	Agarbatti nirman	351 Prembai	-	Bineka
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	352 Puran Singh	Gopal Singh	Suagad
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	353 Udham Singh	Puran Singh	Suagad
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	354 madan Singh	Puran Singh	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	355 Hanumant Singh	Puran Singh	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	356 Rakesh	Puran Singh	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	357 Ramcharan	Bhujji	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	358 Dhiraj	Ramcharan	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	359 Bhagwat Singh	Ramcharan	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	360 Suraj Singh	Ramkishan	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	361 Munna Lal	Ramkishan	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	362 Jasman	Ramkishan	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	363 Shivlal	Gopal Singh	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	364 Dropati Bai	Ramkishan	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	365 Kaluram	Shivlal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	366 Asharam	Shivlal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	367 Parshotam	Shivlal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	368 Sitaram	Shivlal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	369 Jokhiram	Dayaram	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	370 Narayan	Jokhiram	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	371 Laxman Singh	Jokhiram	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	372 Ramswaroop	Jokhiram	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	373 Ram Sevak	Jokhiram	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	374 Ramkesh	Jokhiram	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	375 Ratan Singh	Paramlal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	376 Mihilal	Paramlal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	377 Surendra	Mihilal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	378 Dinesh	Mihilal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	379 Meera Bai	Gyanprasad	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	380 Vishal	Duni lal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	381 Ramdas	Vishal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	382 Jamnaprasad	Dunilal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	383 Govind	Prasad	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	384 Naresh	Deviram	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	385 Shrilal	Mangal Singh	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	386 Dhanraj	Shrilal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	387 Sujan	Shrilal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	388 Shanti Bai	Dev ji	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	389 Halke	Dev ji	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	390 Brij Raj	Dev ji	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	391 Kamlesh	Khubchandra	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	392 Devi Singh	Ramprasad	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	393 Ramdayal	Bhadu	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	394 Bhagwan Singh	Ramdayal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	395 Rup Singh	Ramdayal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	396 Halke Veer	Ramdayal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	397 Basant	Ramdayal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	398 Balram	Ramdayal	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	399 Rajaram	Faili	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	400 Amit	Makhan	Suagad
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	401 Baliram	Premlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	402 Lal singh	Kishan lal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	403 Roop singh	Kishan lal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	404 kishanlal	shankar lal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	405 Chhidamilal	dhundha	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	406 Roop singh	dhundha	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	407 Suresh singh	Gundaram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	408 Tulsiram	Parasram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	409 Naresh	Prmu	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	410 Dhanraj	Sukka	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	411 Kaliram	Parmu	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	412 Neelesh	Parmu	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	413 Roopsingh	Sundha	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	414 supyar singh	Ratiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	415 khushilal	Mitthulal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	416 Suresh	Khushilal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	417 Raghuvar	Khushilal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	418 dhan singh	Chainsingh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	419 pyare lal	Raghuveer	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	420 Balmukund	Kashiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	421 Bhagwan das	Jagat singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	422 Lal singh	Babulal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	423 Mohan lal	Lal singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	424 Radhelal	Raghuveer	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	425 Dinesh	Kashiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	426 Kailash	Pramlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	427 Rati Bai	Pramlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	428 Gajraj	Kashiram	Patna Kachar

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	429 Vishal	Arjun Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	430 Narayan	Nandan lal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	431 Meera Bai	Bhagwan das	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	432 Rambilash	Bhagwan das	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	433 Ramswaroop	Khushilal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	434 Doulat Singh	Ramswaroop	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	435 Bhagwan das	Babulal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	436 Sahab	shankar lal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	437 Ramhansh	Basant	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	438 Narayan	Shivlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	439 Halke	Kashiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	440 Khuman	Nirpat Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	441 Veerendra	Patiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	442 Mohanlal	Patiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	443 Patiram	Jagat singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	444 Babulal	Pramlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	445 Mohan lal	Nirpat Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	446 Rambaksh	Nandlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	447 Ramprasad	Nirpat Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	448 Prmeshwer	Nirpat Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	449 Vishnu	Mukund Prasad	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	450 Kashiram	Nanhelal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	451 Damroo	Nirpat Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	452 Kamlesh	Param	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	453 Harkesh	Khet Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	454 Ramsingh	Hariram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	455 Amar singh	Hariram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	456 Hemraj	Halku	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	457 Bareveer	Damu	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	458 Rakesh Kumar	Damu	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	459 Seeta ram	Jagmohan	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	460 Mahesh kumar	Beeraram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	461 Gyaprasad	Jagat Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	462 Rakesh	Gyaprasad	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	463 Premsingh	Jagmohan	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	464 Ratiram	Ganpat	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	465 Pradeep	Ratiram	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	466 Sahab Singh	Kamal Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	467 Sooraj	Halkeveer	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	468 Puresh	Kamal Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	469 Mahesh kumar	Babulal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	470 Hanumat	Hariram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	471 Ramdyal	Halku	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	472 Babu	Mitthulal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	473 Hari singh	Balla	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	474 Shankar	Baliram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	475 Mahesh	Harilal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	476 Ramsingh	Devkaran	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	477 Ashok	Kadshiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	478 Kishanlal	Umed	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	479 Saroj Bai	Kashiram	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	480 Heera	Devkaran	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	481 Chhotelal	Raghuveer	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	482 Shreeram	Patiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	483 Ramkishan	Patiram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	484 Premlal	Bablu	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	485 Samal	Premlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	486 Pursottam	Premlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	487 Mansingh	Vansingh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	488 Ramu	Vishram	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	489 Ravi	Jalam Singh	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	490 Dhanraj	Devkaran	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	491 Poonaram	Halkeveer	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	492 Halki Bai	Halkeveer	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	493 Harisavek	Halkeveer	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	494 Patiram	Pramlal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	495 Harinarayan	Lal singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	496 Golu	Chhotelal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	497 Chandan	Chhotelal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	498 Mangal Singh	Antram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	499 Arjun	shankar lal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	500 Babulal	shankar lal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	501 Hanumat	Mangal Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	502 Motiram	shankar lal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	503 Gourishankar	Kailash	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	504 Siyaram	Raghuveer	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	505 Jeevan Singh	Dyachand	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	506 Ramesh	Simmilal	Patna Kachar
Bhopal	Raisen	5D4A5t	Alternative Feul Energy	507 Roop singh	Ramesh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	508 Narayan	Bhaiyalal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	509 Summa	Maigu	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	510 Hardesh	Khet Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	511 Veer singh	Balwant Singh	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	512 Balmukand	Shreelal	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	513 Roopsingh	dhundha	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	514 Harkesh	Khet Singh	Patna Kachar

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	515 Kamlesh	Hariram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	516 Seeta ram	Jaymohan	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	517 Rakesh Kumar	Seetaram	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	518 Bhgwan das	Veera	Patna Kachar
Bhopal	Raisen	5D4A5g	Alternative Feul Energy	519 Thunnilal	Khairasingh	Patna Kachar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	520 Pratipal Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	521 Chandra Shekhar	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	522 Sampat Bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	523 Bitai Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	524 Feran Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	525 Sundar Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	526 Mahirwan Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	527 Umrav Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	528 Kailesh Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	529 Sardar Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	530 Jagdish Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	531 Ahivaran Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	532 Suresh Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	533 Tilak Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	534 Shivcharan Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	535 Shanti Bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	536 Bahadur Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	537 Keval Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	538 Hanuman Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	539 Feran Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	540 Vikram Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	541 Ram Sajeevan	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	542 Moti Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	543 Bihari Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	544 Shyam Bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	545 Hari Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	546 Daman Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	547 Suresh Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	548 Khajan Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	549 Gurucharan Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	550 Malkhan Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	551 Lallu Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	552 Indrakali	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	553 Girdhari Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	554 Ratan Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	555 Raghunath Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	556 Rajendra Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	557 Raju Singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	558 Malkhan Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	559 Kalyan Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	560 Bandu Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	561 Kallu Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	562 Surendra Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	563 Lal Babu	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	564 Narendra Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	565 Soukhi Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	566 Ravendra Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	567 Pahalwan Singh	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	568 Tanku Adiwasi	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	569 Panchhi Aadiwasi	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	570 Vinod Aadiwasi	-	Pailepar
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	571 Seeta Aadiwasi	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	572 Sundar Aadiwasi	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	573 Seva Lal	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	574 Het lal	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	575 Chhannu Aadiwasi	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	576 Beti Bai	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	577 Jeewan Aadiwasi	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	578 Ram Khilawan	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	579 Ram Sanehi	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	580 Bare lal	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	581 Pooran Aadiwasi	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	582 Sunna Bai	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	583 Ratilal	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	584 Lal Aadiwasi	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	585 Bahadur Aadiwasi	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	586 Abhayraj Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	587 Kunwar Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	588 Jal Bihar Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	589 Desh Raj Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	590 Udaybhan Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	591 Sone Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	592 Kanhai Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	593 Awsar Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	594 Raghuveer Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	595 Nandlal	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	596 Lal Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	597 Peshkar Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	598 Hosiyaar Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	599 Padam Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	600 Vishram Singh	-	Jalhali

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	601 Buddh Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	602 Purshottam Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	603 Kalam Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	604 Malkhan Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	605 Rajbhan Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	606 Vishvnath Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	607 Pyare Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	608 Pawan Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	609 Santosh Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	610 Shivraj Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	611 Ram Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	612 Hisab Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	613 Brajlal Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	614 Moorat Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	615 Arjun Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	616 Nanhe Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	617 Phoola Bai	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	618 Arun Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	619 Malkhan Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	620 Chhote Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	621 Vipin Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	622 Deshpati Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	623 Ramesh Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	624 Surendra Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	625 Harnam Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	626 Jageshwar Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	627 Roop Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	628 Soorat Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	629 Ram Das	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	630 Dadan Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	631 Gulab Bai	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	632 Lakhan Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	633 Dadan Singh	-	Jalhali
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	634 Roop Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	635 Hanuman Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	636 Mihthu Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	637 Giran Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	638 Nirpat Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	639 Hukum Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	640 Ujiyaar Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	641 Maan Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	642 Mahraaj Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	643 Balak Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	644 Ramesh Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	645 Buddh Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	646 Mulayam Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	647 Gambheer Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	648 Jagjot Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	649 Ram Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	650 Lakshman Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	651 Sudeen Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	652 Mahesh Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	653 Karan Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	654 Mulayam Bai	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	655 Arjun Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	656 Krishna Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	657 Santosh Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	658 Raghuraj Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	659 Pooran Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	660 Sohan Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	661 Sardar Singh	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	662 Sundar	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	663 Daddu Lal	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	664 Nathua	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	665 Gyani Basor	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	666 Shokhilal	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	667 Ram Dayal	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	668 Nandlal	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	669 Sampat Lal	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	670 Shokhilal	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	671 Shivpal	-	Mohli
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	672 Sunita bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	673 Anita bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	674 Ladli bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	675 Kamla bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	676 Kapsa bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	677 varsha bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	678 Babita bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	679 Marra bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	680 Ram bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	681 Laxmi bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	682 Janak bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	683 Bitti bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	684 Hakki bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	685 Rajkumari	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	686 Prem bai	-	Kothi

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	687 Sunita bai	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	688 Archana bai	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	689 Parvati bai	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	690 Radha bai	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	691 Savita bai	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	692 Koraiya Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	693 Vijay Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	694 Ramlakhn Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	695 Komal Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	696 Rajkaran Singh	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	697 Haridas Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	698 Batoo Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	699 Bijju Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	700 Kalla Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	701 Shuresh Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	702 Himanshu Duvedy	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	703 Ashok Duvedy	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	704 Visarma Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	705 Nanda Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	706 Mariya Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	707 Gillu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	708 Ramkaran Singh	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	709 Ammu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	710 Deena Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	711 Haridas Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	712 Bhinddu bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	713 Manooj Singh	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	714 Khilli Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	715 Dashrath Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	716 Pannalal Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	717 Makhan Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	718 Munna Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	719 Pittu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	720 Akhilesh Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	721 Rammu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	722 Bihari Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	723 Rajju Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	724 Rajesh Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	725 Santosh Basor	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	726 Tijiya Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	727 Chetu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	728 Pimmu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	729 Ramesh Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	730 Shripal Singh	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	731 Radha Bai	-	Hardua
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	732 Brajmohan Singh	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	733 Bahoran Singh	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	734 Bhavani Singh	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	735 Lokpal Singh	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	736 Kanhaiya Singh	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	737 Jeet Singh Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	738 Mukailal Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	739 Fuliya Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	740 Sevak Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	741 Pannalal Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	742 Param Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	743 Balakram Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	744 Cabolal Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	745 Pritam Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	746 Magan Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	747 Shivdyal Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	748 Anantram Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	749 Laxma Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	750 Ratiya Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	751 Ramkunwar Chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	752 Halke Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	753 Bablu Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	754 Jayhendra Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	755 Mukesh Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	756 Halku Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	757 Tulshiram Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	758 Balkishan Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	759 Ramji Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	760 chitrapal Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	761 Summi Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	762 bakhat Singh Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	763 Bihari Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	764 channa Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	765 dharmendra Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	766 Daruaa Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	767 Sugar Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	768 Sooni bai Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	769 Ghasoti Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	770 Sanju Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	771 Bhagirath Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	772 Pooran Singh	-	Kothi

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	773 Balla Yadav	-	Kothi
Chhatarpur	South Panna	2C1C6u	Alternative Feul Energy	774 Roshni bai	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	775 Gillu patel	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	776 Gita bai	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	777 Rakesh adiwasi	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	778 Dani prasad raikwar	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	779 Kamlesh agnihotri	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	780 Avadhlal patel	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	781 Buddu patel	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	782 Darwari patel	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	783 Sandeep singh	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	784 Kamta prasad	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	785 Sukhdev patel	-	Gorha
Chhatarpur	South Panna	2C1C4h	Alternative Feul Energy	786 Ramchandra patel	-	Gorha
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	787 Sardar singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	788 Pratipal singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	789 Mahirwan singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	790 Raghunath singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	791 Bitaye singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	792 Sundar singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	793 Ranbahadur singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	794 Pheran singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	795 Haree singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	796 Khajan singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	797 Malkhan singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	798 Maya bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	799 Lallu singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	800 Santosh singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	801 Pheran singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	802 Tilak singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	803 Deshraj singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	804 Khuman singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	805 Parwat singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	806 Kanhaye singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	807 Lakhan singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	808 Dadan singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	809 Derapat singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	810 Bishwanath singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	811 Nanhe singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	812 Arun singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	813 Arjun singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	814 Jalbihar singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	815 Rajaram singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	816 Pawan singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	817 Pashkar singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	818 Bhole singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	819 Raghubeer singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	820 Badan singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	821 Puran singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	822 Hanuman singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	823 Sudeen singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	824 Ghyani	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	825 Giran singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	826 Shokhi	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	827 Sivlal	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	828 Arjun singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	829 Gambheer singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	830 Hukam singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	831 Ujiyar singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	832 Man singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	833 Budhasingh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	834 Mahraj singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	835 Karan singh	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	836 Karshna	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	837 Sundar lal	-	Mohali
Chhatarpur	South Panna	2C1C6u	Plantation in Farmers land	838 Hetlal	-	Mohali
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	839 Himanshu duvedy	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	840 Ashok duvedy	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	841 Visarma Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	842 Nanda adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	843 Mariya Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	844 Gillu adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	845 Ramkaran singh	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	846 Bijju adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	847 Ammu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	848 Deena adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	849 Haridas Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	850 Batoo adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	851 Bhinddu bai	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	852 Manooj singh	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	853 Khilli Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	854 Kalla Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	855 Dashrath Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	856 Pannalal adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	857 Shuresh Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	858 Makhan Adiwasi	-	Hardua

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	859 Munna adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	860 Pittu adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	861 Akhilesh Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	862 Rammu adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	863 Bihari Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	864 Rajju Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	865 Rajesh Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	866 Santosh basor	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	867 Tijiya Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	868 Chetu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	869 Pimmu Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	870 Ramesh Adiwasi	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	871 Shripal singh	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	872 Radha bai	-	Hardua
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	873 Brajmohan singh	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	874 Bahoran singh	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	875 Bhavani singh	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	876 Lokpal singh	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	877 Kanhaiya singh	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	878 Jeet singh yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	879 Mukailal Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	880 Fuliya Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	881 Sevak yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	882 Pannalal yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	883 Param yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	884 Balakram yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	885 babolal chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	886 Pritam chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	887 Magan chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	888 Shivdyal chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	889 Anantram chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	890 Laxma chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	891 Ratiya chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	892 Ramkunwar chaudhri	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	893 Halke Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	894 Bablu Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	895 Jayhendra Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	896 Mukesh Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	897 Halku Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	898 Tulshiram yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	899 Balkishan yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	900 Ramji yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	901 chitrapal yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	902 Summi yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	903 bakhat singh yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	904 Bihari yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	905 channa yadav	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	906 dharmendra Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	907 Daruaa Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	908 Sugar Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	909 Sooni bai	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	910 Komal Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	911 Ghasoti Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	912 Sanju Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	913 Bhagirath Adiwasi	-	Kothi
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	914 Ramakant kateha	-	Gorha
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	915 Buddu patel	-	Gorha
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	916 Gillu patel	-	Gorha
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	917 Gulab singh	-	Gorha
Chhatarpur	South Panna	2C1C4h	Plantation in Farmers land	918 Sandeep singh	-	Gorha
Chhatarpur	South Panna	2C1C6u	Stitching Training	919 Bitti bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	920 Kurana bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	921 Rekha bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	922 Janki bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	923 Savita bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	924 Jalsa bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	925 Sona bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	926 Omwati	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	927 Sunita bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	928 Kavita bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	929 Vimala bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	930 Shanti bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Bee Keeping Traing	931 Gurucharan	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Bee Keeping Traing	932 Umrav singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Bee Keeping Traing	933 Pratipal singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Bee Keeping Traing	934 Shivchran	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	935 Saroj bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	936 Ganda bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	937 Mamta bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	938 Vimala bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	939 Susheela bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	940 Om bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	941 Varsha bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	942 Uma bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	943 Rani bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	944 Munni bai	-	Dharampura

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	945 Maya bai	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Bee Keeping Traing	946 Arun singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Bee Keeping Traing	947 Malkhan singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Bee Keeping Traing	948 Deshraj singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Bee Keeping Traing	949 Kauwar singh	-	Dharampura
Chhatarpur	South Panna	2C1C6u	Stitching Training	950 Ruchi bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Stitching Training	951 Seeta bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Stitching Training	952 Seema bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Stitching Training	953 Chalni bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Stitching Training	954 Sona bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Stitching Training	955 Varsha bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Stitching Training	956 Rani bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Stitching Training	957 Kaushyalya bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Stitching Training	958 Kamata bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	959 Beena bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	960 Sangeeta bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	961 Meena bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	962 Sheelrani	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	963 Bimala bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	964 Meera bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	965 Sinjo bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	966 Phool bai	-	Mohali
Chhatarpur	South Panna	2C1C6u	Incense Stick Making Training	967 Kaushilya bai	-	Mohali
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	968 Vijay Sing	Ramswarup jatav	Bagwaj
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	969 Guru	Harimohan Jatav	Bagwaj
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	970 Kanhiya	Babu	Denghda
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	971 Kashmir	Ramesh	Denghda
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	972 Balram	Nathiya	Bardha
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	973 Kailash	Bajranga	Bardha
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	974 Brajmohan	Siyaram	Bardha
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	975 Ramjilal	Bhanta	Bardha
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	976 Ramhet	Vishna	Kalmi
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	977 Rajaram	Balkishan	Kamli
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	978 Khemraj	Ghanshyam	Kakarda
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	979 Pappu	Emdu	Kakarda
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	980 Sonu	Sitaram	kalitali
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	981 Arvind	Narayan	Kalitali
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	982 Jeevan	Ramnath	Bhimlat
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	983 Dileep	Ramhet	Bhimlat
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	984 Ramavttar	Ramcharan	Bhela
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	985 Dinesh	Suraj	Bhela
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	986 Brajlal	Indriya	Panar
Gwalior	Sheopur	2D1D8t	Exposure Visit to Udaipur	987 Siyaram	Pappu	Panar
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	988 Sonu	Choteram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	989 Dipit	Darua	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	990 Priti	Manohar	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	991 Shushila	Budhram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	992 Budiyas	Sukhram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	993 Shushma	Darua	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	994 Anita	Ramkaran	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	995 Neelu	Rampal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	996 Sudha	Vikkilal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	997 Saraswati	Maniram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	998 Devki	Sunil	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	999 Savita	Anil	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1000 Shayamabai	Shaitan singh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1001 Sarita	Ramnath	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1002 Devki	Mangal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1003 Kaushalya	Bhagwandas	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1004 Mamta	Sonu	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1005 Sunita	Ratanlal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1006 Savita	Santosh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1007 Lakshmi	Hazari	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1008 Sarla	Jagganth	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1009 Sunita	Arjun	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1010 Gangavati	Makhan	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1011 Kulvati	Baratilal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1012 Sunita	Sanju	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1013 Manisha	Ramvilas	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1014 Rekha	Rajesh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1015 Sushila	Chatarsingh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Stitching unit	1016 Bhagvati	Mukesh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1017 Jyoti	Manoar	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1018 Deepika	Hariram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1019 Chetna	Chavan	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1020 Pallavi	Kamal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1021 Vijay	Vishnu	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1022 Reena	Mishrilal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1023 Swati	Madanlal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1024 Mukesh	Rameshwar	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1025 Vinod	Parasnath	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1026 Monu	Shaitan singh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Computer training	1027 Akhilesh	Sakharam	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1028 Choteram	Bholaram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1029 Daua	Bholaram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1030 Shripal	Maniram	Bhumkapura

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1031 Ramdayal	Seetaram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1032 Vistori	Shuyamlal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1033 Jagvati bai	Sambhar	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1034 Muniya bai	Shankar	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1035 Bhagvat bai	Balkisan	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1036 Shantibai	Sukhnandan	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1037 Sarita	Daua	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1038 Sumarti bai	Sagar	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1039 Chentram	Shyamlal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1040 Haripal	Maniram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1041 Anju	Sumera	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1042 Suresh	Kolsingh	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1043 Brijesh	Gola	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1044 Raju	Ramcharan	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1045 Chandralkala	Kamlesh	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1046 Pinki	Roop singh	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1047 Aarti	Ramu	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1048 Mahesh	Vanshilal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1049 Seetabai	Kamal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1050 Suresh	Leeladhar	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1051 Manohar	Leladhar	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1052 Chetram	Maniram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1053 Shankar	Ojhu	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1054 Shankar	Ramesh	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1055 Ganesh	Manjulal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1056 Archana	Nanhelal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1057 Sanuram	Vanshilal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1058 Amrita	Manulal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1059 Amarti	Lakhan	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1060 susheela	budhram	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1061 budhiya	sukhnanadan	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1062 anita	bihari	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1063 pramod	premnarayan	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1064 sukni bai	sambhar	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1065 prakash	chotelal	Bhumkapura
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1066 premvati	rampal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1067 seeta	ramkaran	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1068 ramvias	radhelal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1069 mukandi	mohan	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1070 kailash	lalchand	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1071 ramvilas	lalchand	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1072 bharelel	radhelal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1073 kishaniya	vikkilal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1074 sunil	vikkilal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1075 kiran	jagdish	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1076 mahesh	pyarelal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1077 rajendra	mohan	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1078 sonu	pyarelal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1079 sangeeta	kiresh	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1080 raju	aprasram	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1081 shyambai	munshilal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1082 shyam	mohan	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1083 premvati	mohan	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1084 sukhlal	phoolchandra	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1085 shrirram	vishram	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1086 ramprasad	radhelal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1087 rnoj	uttam	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1088 sambhar	jassu	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1089 gulab	vallam	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1090 goreal	chunnilal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1091 ramgopal	bhaiyalal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1092 shivpal	buddha singh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1093 jirati	ramadeen	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1094 harilal	ramdeen	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1095 kamlo	kanhaiya	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1096 jirulal	ramdeen	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1097 jasvan	bhagirath	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1098 kalu	gurudayal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1099 kaliram	dallu	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1100 gulla	khusilal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1101 sukhlal	kaliram	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1102 omprakash	vallu	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1103 mangal	amarsingh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1104 chatar	sammar	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1105 samar	bhaddu	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1106 budhram	kaliram	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1107 ramprasad	vishnu	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1108 mangal	ojha	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1109 ramsingh	vishu	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1110 mishrilal	bhaddu	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1111 ramdulare	harprasad	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1112 parasu	sukhlal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1113 bhagvati	mukesh	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1114 santos	gorelal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1115 kishanlal	imrat	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1116 ramprasad	bhaddu	Lalpani

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1117 rameshwar	kale	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1118 garibdas	ramprasad	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1119 chunilal	sabulal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1120 chotelal	ramdeen	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1121 nanesh	phudan	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Mahua Collection	1122 ramprasad	devki	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1123 Choteram	Bholaram	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1124 Pradeep	Dharamdas	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1125 Banwarilal	Balprashad	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1126 Dauwa	Bholeram	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1127 Suresh	Babulal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1128 Ramgopal	Bhddha	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1129 Sanjay	Rampal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1130 Ramkaran	Radhelal	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Fruit Bearing Species Plantation	1131 Nitin	Suresh	Kesla
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1132 Charan Singh		Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1133 Sammar		Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1134 Kishanlal		Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1135 Bartilal		Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1136 Jirati	Ramadin	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1137 Jaswant	Bhagirath	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1138 Hajari	Ramadin	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1139 Nehru	Kishanlal	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1140 Harilal	Ramadin	Lalpani
Hoshangabad	Hoshangabad	5D5A2b	Bee keeping and Honey Collection Training	1141 Rameshwar	kale Singh	Lalpani
Indore	Dhar	5D2A8t	Alternative energy resource	1142 Versingh	Kisan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1143 Rama	Kisan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1144 Pratap	Versingh	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1145 Thavariya	Rama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1146 Rumal	Rama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1147 Mehtab	Rama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1148 Karun	Versingh	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1149 Devsingh	Kesari Singh	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1150 Sardar	Rama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1151 Kansingh	Rama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1152 Amichand	Rama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1153 Premsingh	Hiriya	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1154 Surbhan	Gatira	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1155 Amraram	Surbhan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1156 Rugga	Sonsingh	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1157 Amariya	Sonsingh	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1158 Lalsingh	Jama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1159 Babu kisan	Kisan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1160 Maliya	Kisan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1161 Ramsingh	Aniya	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1162 Jhamra	Ballu	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1163 Mohan	Dhaniya	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1164 Mahesh	Dhaniya	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1165 Raju	Dhaniya	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1166 Rumal	Dhaniya	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1167 Popadiya	Jama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1168 Valiya	Jama	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1169 Lalsingh	Kisan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1170 Muliya	Kisan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1171 Ratan	Sonsingh	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1172 Ambu	Surbhan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1173 Dhariya	Muniya	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1174 Righu	Pidiya	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1175 Ansingh	Umrao	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1176 Bhuri	Remla	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1177 Morsingh	Urjan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1178 Hemraj	Surbhan	Sulibardi
Indore	Dhar	5D2A8t	Alternative energy resource	1179 Kabutar	-	Sulibardi
Indore	Dhar	5D2A7j	Alternative energy resource	1180 Anita	Rajendra	Mohanpur
Indore	Dhar	5D2A7j	Alternative energy resource	1181 Urmila	Mohan	Mohanpur
Indore	Dhar	5D2A7j	Alternative energy resource	1182 Dagadibai	Chaina	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1183 Tulsi bai	Lakshman	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1184 Anita	Bablu	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1185 Shantibai	Bhuwansingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1186 Kanabai	Ansingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1187 Raykubai	Barsingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1188 Nirmala bai	Narsingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1189 Durga bai	Muniya	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1190 Jasma bai	Kaliya	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1191 Munna bai	Ansingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1192 Taru bai	Neniya	Rangaon

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Indore	Dhar	5D2A7j	Alternative energy resource	1193 Pinki	Jagdish	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1194 Sumitra	Raysingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1195 Devkibai	Radheshyam	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1196 Shardi bai	Kailash	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1197 Jasubai	Gurbacchan	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1198 Kani bai	Ambaram	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1199 Mullu bai	Kamal	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1200 Nakku bai	Ramesh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1201 Kala bai	Rajaram	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1202 Basti bai	Kishore	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1203 Jasu bai	Badu	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1204 Rugnath	Thavriya	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1205 Kailash	Gomada	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1206 Madan	Thavariya	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1207 Radhya	Rugnaath	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1208 Karun	Ramsingh	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1209 Neniya	Gavlya	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1210 Dagadi	Chaina	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1211 Dariyav	Amarsingh	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1212 Lakshman	Chagan	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1213 Bagdiya	Amarsingh	Rangaon
Indore	Dhar	5D2A7j	Alternative energy resource	1214 Kamal	Banshilal	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1215 Mohan	Rugnaath	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1216 Shailesh	Banshilal	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1217 Dinesh	Badu	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1218 Resham	Mangilal	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1219 Anita	Rajendra	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1220 Dhansingh	Bisan	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1221 Rajaram	Amarsingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1222 Ramsingh	Chagan	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1223 Keshriya	Thavariya	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1224 Ramesh	Jamasingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1225 Bada	Kaliya	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1226 Narayan	Roopsingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1227 muniya bai	Naran	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1228 Khumsingh	Popdiya	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1229 Narsingh	Naran	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1230 Sardar	Rama	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1231 Kalu	Ramsingh	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1232 Devsingh	Hira	Mohanpura
Indore	Dhar	5D2A7j	Alternative energy resource	1233 Garubacchan	Jamasingh	Rangaon
Indore	Jhabua	5E2A5s	Training on driving	1234 Gordhardhan Radu	-	Kodiya pada
Indore	Jhabua	5E2A5s	Training on driving	1235 Badu Lalchand	-	Kodiya pada
Indore	Jhabua	5E2A5s	Mason Training	1236 Raju Toliya	-	Kodiya pada
Indore	Jhabua	5E2A5s	Graphing	1237 Sowan Lalchand	-	Kodiya pada
Indore	Jhabua	5E2A5s	Training on driving	1238 Light lacquers	-	Kodiya pada
Indore	Jhabua	5E2A5s	Stitching training	1239 Dilip Tulia	-	Naharpura
Indore	Jhabua	5E2A5s	Stitching training	1240 Eti Dilip	-	Naharpura
Indore	Jhabua	5E2A5s	Mason Training	1241 Kishan Tulia	-	Naharpura
Indore	Jhabua	5E2A5s	Computer training	1242 Ritesh Pangala	-	Juni boyi
Indore	Jhabua	5E2A5s	Mason Training	1243 Punk diamond	-	Juni boyi
Indore	Jhabua	5E2A5s	Barber training	1244 Light moon	-	Juni boyi
Indore	Jhabua	5E2A5s	Stitching training	1245 Ramli Bhilji	-	Juni boyi
Indore	Jhabua	5E2A5s	Mason Training	1246 Bhilji Gallia	-	Juni boyi
Indore	Jhabua	5E2A5s	Mason Training	1247 Narsing pearl	-	Juni boyi
Indore	Jhabua	5E2A5s	Mason Training	1248 Parsing Dhulji	-	Juni boyi
Indore	Jhabua	5E2A5s	Computer training	1249 Mohan Vesia	-	Juni boyi
Indore	Jhabua	5E2A5s	Graphing	1250 Dinesh Narasing	-	Juni boyi
Indore	Jhabua	5E2A5s	Graphing	1251 Lunja Badriya	-	Juni boyi
Indore	Jhabua	5E2A5s	Computer training	1252 Mansu Kalia	-	Juni boyi
Indore	Jhabua	5E2A5s	Computer training	1253 Lal Singh Virji	-	Naharpura
Indore	Jhabua	5E2A5s	Stitching training	1254 Shanta Lal Singh	-	Naharpura
Indore	Jhabua	5E2A5s	Mason Training	1255 Mukesh Andro	-	Naharpura
Indore	Jhabua	5E2A5s	Mason Training	1256 Kanji Mohan	-	Naharpura
Indore	Jhabua	5E2A5s	Mason Training	1257 Hemat teroo	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1258 Kalu hawk	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1259 Phillu Mangilal	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1260 Geeta laxman	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1261 Jamna nanuram	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1262 Savita maisu	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1263 Kailash Lalchand	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1264 Ganga Unkaar	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1265 Sugana Harchand	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1266 Tranquility	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1267 Anita Kalu	-	Naharpura
Indore	Jhabua	5E2A5s	-	1268 Subi Ralu	-	Naharpura
Indore	Jhabua	5E2A5s	-	1269 Eti Dilip	-	Naharpura
Indore	Jhabua	5E2A5s	-	1270 Black brave	-	Naharpura
Indore	Jhabua	5E2A5s	-	1271 Thawari Moonsing	-	Naharpura
Indore	Jhabua	5E2A5s	-	1272 Leela Bahadur	-	Naharpura
Indore	Jhabua	5E2A5s	-	1273 Kallu Sanu	-	Naharpura
Indore	Jhabua	5E2A5s	-	1274 Shantu Mangigalal	-	Naharpura
Indore	Jhabua	5E2A5s	-	1275 Diamond Badda	-	Naharpura
Indore	Jhabua	5E2A5s	-	1276 Sugna Prakash	-	Naharpura
Indore	Jhabua	5E2A5s	-	1277 Havli jahania	-	Naharpura
Indore	Jhabua	5E2A5s	-	1278 Gorchand Lalji	-	Naharpura

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Indore	Jhabua	5E2A5s	-	1279 Badu Gorchand	-	Naharpura
Indore	Jhabua	5E2A5s	Grocery Shop	1280 Titu Lalku	-	Codypada
Indore	Jhabua	5E2A5s	Grocery Shop	1281 Dust paroo	-	Kodiya pada
Indore	Jhabua	5E2A5s	Grocery Shop	1282 Mamta Pratap	-	Kodiya pada
Indore	Jhabua	5E2A5s	Grocery Shop	1283 Hookie Noorji	-	Kodiya pada
Indore	Jhabua	5E2A5s	Grocery Shop	1284 Malli Kalu	-	Kodiya pada
Indore	Jhabua	5E2A5s	Grocery Shop	1285 Resma Mansingh	-	Kodiya pada
Indore	Jhabua	5E2A5s	Grocery Shop	1286 Sharda Mukesh	-	Kodiya pada
Indore	Jhabua	5E2A5s	Grocery Shop	1287 Savita Mannu	-	Kodiya pada
Indore	Jhabua	5E2A5s	Grocery Shop	1288 Jabli Munsing	-	Kodiya pada
Indore	Jhabua	5E2A5s	Training on driving	1289 Dinesh Terasing Mada	-	Nagari
Indore	Jhabua	5E2A5s	Mason Training	1290 Havasalinga Jalu Bhabar	-	Nagari
Indore	Jhabua	5E2A5s	Mason Training	1291 Bhima Kaliya Maida	-	Nagari
Indore	Jhabua	5E2A5s	Training on driving	1292 Balsing brown buffer	-	Nagari
Indore	Jhabua	5E2A5s	Mason Training	1293 Bhagirath Mansingh Maida	-	Nagari
Indore	Jhabua	5E2A5s	Training on driving	1294 Senu Tita Mada	-	Nagari
Indore	Jhabua	5E2A5s	Training on driving	1295 Udding Kuwar Singh Bhuria	-	Nagari
Indore	Jhabua	5E2A5s	Stitching training	1296 Nirmala Bharabar	-	Nagari
Indore	Jhabua	5E2A5s	Stitching training	1297 Lalita Aman Khadiya	-	Nagari
Indore	Jhabua	5E2A5s	Mason Training	1298 Mangu Dola Mada	-	Nagari
Indore	Jhabua	5E2A5s	Mason Training	1299 Kailash Mansingh Maida	-	Nagari
Indore	Jhabua	5E2A5s	Mason Training	1300 Kassan Velzi Baria	-	Nagari
Indore	Jhabua	5E2A5s	Mason Training	1301 Tercing Rupa Khadiya	-	Nagari
Indore	Jhabua	5E2A5s	Computer training	1302 Brown jalu bhabar	-	Nagari
Indore	Jhabua	5E2A5s	Computer training	1303 Aman Jalu Khadiya	-	Nagari
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1304 Hitesh	Rajaram	Nalti
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1305 Revsingh	Bubla	Bamnali
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1306 Vijay	Sayaram	Borkhedi
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1307 Ramdas	Karansingh	Nalti
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1308 Narendra	Radwa	Nalti
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1309 Rakesh	Ukhaliya	Nalti
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1310 Mukesh	Sikla	Nalti
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1311 Sandeep	Karansingh	Borkhedi
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1312 Kannilal	Suresh	Borkhedi
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1313 Vijay	Sardar	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1314 Krishana	Ambaram	Bijasan
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1315 Shivram	Mansharam	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1316 Ramchandra	Babulal	Bijasan
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1317 Rameshwar	Wahriya	Bamnali
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1318 Dinesh	Pathan	Borkhedi
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1319 Jagdish	Jamsingh	Borkhedi
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1320 Mukesh	Kila	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1321 Yogesh	Amarsingh	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1322 Ravji	Premsingh	Bamnali
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1323 Ranjeet	Lalsingh	Nalti
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1324 Mayaram	Rajaram	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1325 Poonamsingh	Kaliya	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1326 Lakhan	Shersingh	Amalali
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1327 Lakha	Gildar	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1328 Sundriya	Gangla	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1329 Ritesh	Sakaram	Nalti
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1330 Vijay	Gula	Bamnali
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1331 Tincha	Ratnya	Atarsambha

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1332 Urliya	Bandara	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1333 Shantilal	Tersingh	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1334 Chandan	Kumansingh	Jamdawedipura
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1335 Aditya	Kishor	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1336 Shivnarayan	Chandarsingh	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1337 Lakhan	Dongarsingh	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1338 Rahul	Dhansingh	Mamta
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1339 Ankush	Santosh	Kodiya
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1340 Aman	Dongarsingh	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1341 Deepak	Gulabsingh	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1342 kanheya	Kailash	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1343 Deelip	Raysingh	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1344 Sunil	Jayram	Bhavati
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1345 Dinesh	Rahjiya	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1346 Mathur	Bhayta	Gudi
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1347 Nanuram	Lila	Morkatta
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1348 Sunil	Ramesh	Bamnali
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1349 Saydam	Gulab	Semli
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1350 Mayaram	Subkariya	Atarsambha
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1351 Ramchandra	Radheshayam	Bijasan
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1352 Rohit	Dinesh	Barwani
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1353 Vinod	Mohan	Barwani
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1354 Manish	Mohan	Barwani
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1355 Birmal	Sarpiya	Bamnali
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1356 Radheshyam	Sevalal	Jamdawedipura
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1357 Sunil	Sakaram	Pospur
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1358 Deelip	Misriya	Anjarada
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1359 Deepak	Narayan	Barwani
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1360 Akhalesh	Ramsingh	Barwani
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1361 Sevram	Dukariya	Semli
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1362 Lalu	Rupsingh	Semli
Khandwa	Barwani	5D3A4a	Security Guard, Machine operator, Electrician Training	1363 Mayaram	Rayta	Semli
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1364 Putiya	Kasriya	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1365 Bondaria	Master	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1366 Baliram	Pahadiya	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1367 Radariya	Hemta	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1368 Gangaram	Haji	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1369 Shivram	Chotiya	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1370 Bhayasingh	Jirban	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1371 Mansaram	Nahar	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1372 Bhayasingh	Jsunersingh	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1373 Kashiram	Nahar	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1374 Shobharam	Mohan	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1375 Lakha	Haji	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1376 Kailash	Bilarsing	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1377 Resala	Jadi	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1378 Hosilal	Jadi	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1379 Bhayasingh	Jadi	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1380 Magan	Raysiya	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1381 Rupsingh	Balia	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1382 Bhayasingh	Rupsingh	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1383 Gulab	Banga	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1384 Kalarsingh	Giladar	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1385 Bhayasingh	Hedariya	Sirvel

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1386 Chhitiya	Temariya	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1387 Mahangiya	Temariya	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1388 Bilarsingh	Bhikala	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1389 Tempa	Jadi	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1390 Pharsingh	Sunsingh	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1391 Tufansingh	Sunsingh	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1392 Reba	Rupsingh	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1393 Rumaliya	Vaga	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1394 Sunsingh	Gandash	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1395 Gandash	Mithiya	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1396 Pratap	Gildar	Sirvel
Khandwa	Sendhwa	5D3B4g	Alternative Fuel Energy	1397 Mahariya	Hedariya	Sirvel
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1398 Ramesh	Kishan	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1399 Ganya	Khetia	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1400 Kishan	Bavajya	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1401 Bavajya	Barkya	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1402 Rehanjya	Khetia	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1403 Pathan	Saymal	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1404 Fadiya	Jaysingh	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1405 Rohidas	Fadiya	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1406 Ramsing	Barkya	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1407 Mojya	Bhaydas	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1408 Gulab	Bhandari	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1409 Jamsing	Gulsingh	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1410 Sandya	Batta	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1411 Dharamsing	Ditya	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1412 Saysing	Gutiya	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1413 Virsing	Ramsing	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1414 Chhattarsing	Aabla	Chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1415 Rayla	Rehanjya	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1416 Velsing	Tersingh	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1417 Sachin	Bhawsar	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1418 Sunil	Bhawsar	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1419 Rakesh	Pila	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1420 Kishan	Raja	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1421 Shantilal	Pila	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1422 Meharban	Tersingh	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1423 Thingnya	Tersingh	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1424 Kakdiya	More	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1425 Shiva	Kursya	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1426 Bala	Rehanjya	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1427 Surmal	Dungariya	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1428 Deva	Dungariya	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1429 Reva	Kursya	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1430 Munna	Punya	Ghanapani faliya chunabhatti
Khandwa	Sendhwa	5C2A6k	Alternative Fuel Energy	1431 Sala	Dunga	Ghanapani faliya chunabhatti
Rewa	Satna	2A7E6k	Incense stick unit	1432 Suneela Singh	Laxman singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1433 Saroj singh	Sukhdhan Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1434 Sanju Sinh	Laxman singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1435 Ratti singh	Teerath Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1436 Somti Singh	Shiv singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1437 Kusum Singh	Umrav Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1438 Suman Singh	Brijbhan Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1439 Sulochana	Brijbhan Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1440 Gomti	Kamlesh Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1441 Nirasha singh	Ratan singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1442 Om Bai	Jahageer sing	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1443 Lalita	Moorat Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1444 Kala Singh	Kamlesh Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1445 Jalsa	Rajaram	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1446 Subhadra	Ratan singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1447 Deepa Singh	Natthu Singh	Kordari
Rewa	Satna	2A7E6k	Incense stick unit	1448 Poonam	Chain singh	Kordari
Rewa	Satna	2A7E6k	Incense stick unit	1449 Laxmi Singh	Jagroop Singh	Kordari
Rewa	Satna	2A7E6k	Incense stick unit	1450 Arti Singh	Brijbhan Singh	Kordari
Rewa	Satna	2A7E6k	Incense stick unit	1451 Keshkali	Phool singh	Dongariya
Rewa	Satna	2A7E6k	Incense stick unit	1452 Pooja	Rajbhan singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1453 Santi	Rajbhan singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1454 Seema	Jahan Singh	Amdari

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Rewa	Satna	2A7E6k	Incense stick unit	1455 Sanju Sinh	Narayan	Kordari
Rewa	Satna	2A7E6k	Incense stick unit	1456 Nippla	Jaikaran	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1457 Archna	Shiv singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1458 Sashi	Sevak Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1459 Tulsi	Gopal	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1460 Nirasha singh	Shankar singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1461 Geeta	Santosh Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1462 Ceema	Chandrabhan	Gadhout
Rewa	Satna	2A7E6k	Incense stick unit	1463 Usha	Govind Singh	Gadhout
Rewa	Satna	2A7E6k	Incense stick unit	1464 Suneela Singh	Vijaya Singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1465 Uma	Gajaraj singh	Gadhout
Rewa	Satna	2A7E6k	Incense stick unit	1466 Laxmi Singh	Jugdeesh	Gadhout
Rewa	Satna	2A7E6k	Incense stick unit	1467 Durga	Gopal	Gadhout
Rewa	Satna	2A7E6k	Incense stick unit	1468 Krishna	Jugdeesh	Gadhout
Rewa	Satna	2A7E6k	Incense stick unit	1469 Kala Singh	Gulab	Gadhout
Rewa	Satna	2A7E6k	Incense stick unit	1470 Dev wati	Kishor	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1471 Radha	Narayan	Kordari
Rewa	Satna	2A7E6k	Incense stick unit	1472 Pooja	Dhyan	Kordari
Rewa	Satna	2A7E6k	Incense stick unit	1473 Malti	Rajaram	Kordari
Rewa	Satna	2A7E6k	Incense stick unit	1474 Vilasha	Chain singh	Amdari
Rewa	Satna	2A7E6k	Incense stick unit	1475 Anoja	Suresh Singh	Dandi
Rewa	Satna	2A7E6k	Incense stick unit	1476 Sheela	Ujiyar Singh	Dandi
Rewa	Satna	2A7E6k	Incense stick unit	1477 Yasoda	Mardam singh	Gadhout
Rewa	Satna	2A7E6k	Incense stick unit	1478 Rekha	Jeevan Singh	Gadhout
Sagar	South Sagar	4E5G4r	Stitching Training	1479 Shyama	Ramsingh Tekam	Dhundhitola
Sagar	South Sagar	4E5G4r	Stitching Training	1480 Sharda	Doulat Tekam	Dhundhitola
Sagar	South Sagar	4E5G4r	Stitching Training	1481 Maayawanta	Sehatlal Kakodiya	Dhundhitola
Sagar	South Sagar	4E5G4r	Stitching Training	1482 Yogeeta	Jaipal Tekam	Dhundhitola
Sagar	South Sagar	4E5G4r	Stitching Training	1483 Sonwati	Jhummak Kangali	Dhundhitola
Seoni	South Seoni	4E5G4r	Stitching Training	1484 Sita	Phulsingh	Dhundhitola
Seoni	South Seoni	4E5G4r	Stitching Training	1485 Kamuna	Jaipal Marskole	Dhundhitola
Seoni	South Seoni	4E5G4r	Stitching Training	1486 Lalita	Shivcharan Kakodiya	Dhundhitola
Seoni	South Seoni	4E5G4r	Stitching Training	1487 Manisha	Mehpal Pandre	Dhundhitola
Seoni	South Seoni	4E5G4r	Stitching Training	1488 Babita	Kaashiram Tekam	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1489 Daulat	Bhopat Tekam	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1490 Shelsingh	Pratap Tekam	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1491 Kaashiram	Somsingh Tekam	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1492 Ramsingh	Pursottam Tekam	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1493 Puran Singh	Gendlal Uikey	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1494 Sehatlal	Aman Kakodiya	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1495 Veer Singh	Faggu Bhalavi	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1496 Ajabsingh	Jhadulal	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1497 Sumran	Jaisingh Kangali	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1498 Shivkumar	Ganaram Uikey	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1499 Khemchand	Ganaram Uikey	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1500 Prathvi	Haresingh Uikey	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1501 Suresh	Indraj Maravi	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1502 Bhuvan	Dhannalal	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1503 Shiv Prasad	Likkhan Pandre	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1504 Dalpat	Bhupat Tekam	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1505 Mehtar	Aman Kakodiya	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1506 Nandkishore	Sevakram Vishkarma	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1507 Bhura	Kudesingh Kangali	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1508 Anil	Jilesingh Marskole	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1509 Shivlal	Ganaram Uikey	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1510 Dhanraj	Chokhelal Maravi	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1511 Phulsingh	Fagu Bhalavi	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1512 Kishanlal	Lalsingh Pandre	Dhundhitola
Seoni	South Seoni	4E5G4r	Fish Farming	1513 Ramsingh	Fagu Maravi	Dhundhitola
Seoni	South Seoni	4E5G4r	Poultry unit	1514 Kishori	Tekchand Sahu	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1515 Sardari	Tekchand Sahu	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1516 Rambhagat	Kudesingh Gond	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1517 Dabbal Singh	Kallu Urve	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1518 Kanhaiya singh	Raghu Gond	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1519 Ramesh	Bajari Gond	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1520 Banshi	Ishwar Gond	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1521 Dilip	Shyamlal Gond	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1522 Shatru	Mangal Gond	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1523 Pradeep	Narayan Gond	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1524 Ramlal	Tekram Banjara	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1525 Ramesh	Amru Gond	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1526 Meera Devi	Pandhre	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1527 Girdhari	Tekchand Sahu	Khumda
Seoni	South Seoni	4E5G4r	Poultry unit	1528 Rajendra	Mohan Mehra	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1529 Belsingh	Antu Gond	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1530 Bharat	Pyaare Gond	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1531 Thansingh	Sadda Banjara	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1532 Girish	Amru Gond	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1533 Laxman	Garjan	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1534 Rajkumar	Khemkaran Dimar	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1535 Govind	Khemkaran Dimar	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1536 Shivkumar	Khemkaran Dimar	Khumda
Seoni	South Seoni	4E5G4r	Fish Farming	1537 Jitendra	Govind Dimar	Khumda
Seoni	South Seoni	4E5G4r	Cycle store	1538 Rajkumar	Kishori Sahu	Khumda
Seoni	South Seoni	4E5G4r	Cycle store	1539 Vishram	Sammaru Gond	Khumda
Seoni	South Seoni	4E5G4r	Gorcery store	1540 Vijendra	Santram Banjara	Khumda

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Seoni	South Seoni	4E5G4r	Tent House	1541 Rajendra	Santram Banjara	Khumda
Seoni	South Seoni	4E5G4r	Tent House	1542 Suresh	Amru Gond	Khumda
Seoni	South Seoni	4E5G4r	Tent House	1543 Gajendra	Govind	Khumda
Seoni	South Seoni	4E5G4r	Tent House	1544 Viptu	Munnalal	Khumda
Seoni	South Seoni	4E5G4r	Tent House	1545 Mithlesh	Nirpat Gond	Khumda
Seoni	South Seoni	4E5G4r	Tent House	1546 Subhash	Mehtap Gond	Khumda
Seoni	South Seoni	4E5G4r	Tent House	1547 Nitin	Premsing Pardhaan	Khumda
Seoni	South Seoni	4E5G4r	Training on Livestock rearing	1548 Anil	Ramprasad Soni	Khumda
Seoni	South Seoni	4E5G4r	Training on Livestock rearing	1549 Manoj	Khubchand	Khumda
Seoni	South Seoni	4E5G4r	Training on Livestock rearing	1550 Mansingh	Tularam Gond	Khumda
Seoni	South Seoni	4E5G4r	Training on Livestock rearing	1551 Sevak	Amansing Gond	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1552 Pushpalata	Rajendra Dongre	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1553 Deepika	Shivkumar Singraha	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1554 Vandana	Lalsingh Uikey	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1555 Premlata	Rambhagat Pandhre	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1556 Pushplata	Anil	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1557 Savita	Dilip	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1558 Vidisha	Rajesh	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1559 Chandrakala	Deepak	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1560 Mayabai	Chandan	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1561 Seema	Jitendra	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1562 Sunita	Rajendra	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1563 Prameela	Amansingh	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1564 Suhaga	Manoj	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1565 Parvati	Shatru	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1566 Jyoti	Rajesh	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1567 Anita	Ramlal	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1568 Anita	Kripal	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1569 Anokhi	Patiram	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1570 Aruni	Suresh	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1571 Kumeshwari	Gurudeep	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1572 Kavita	Antram	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1573 Fulkali	Rajkumar	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1574 Asha	Ramprasad	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1575 Sangeeta	Akhilesh	Khumda
Seoni	South Seoni	4E5G4r	Stitching Training	1576 Ganeshi	Jugraj	Khumda
Seoni	South Seoni	4E5H5c	Poultry unit	1577 Mahesh	Kisanlal	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1578 Dhanraj	Kisanu	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1579 Jayram	Jhitariya	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1580 Kaniya	Jhitariya	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1581 Dhashrat	Karu	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1582 Sanjeev	Ramdayal	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1583 Balaram	Basod	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1584 Suresh	Indal	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1585 Dilip	Jhirku	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1586 Krishnakumar	Nanadram	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1587 Vinod	Ramprasad	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1588 Ashok Singh	Mehatar	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1589 Pankaj	Mahesh	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1590 Indrakumar	Shivprasad	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1591 Hariram	Chamran	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1592 Dilip	Premlal	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1593 Hira	Raghu	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1594 Radheshyam	Gariba	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1595 Kamal	Ramdas	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1596 Ashok	Sankar	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1597 Brajlal	Bisram	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1598 Kapurchand	Sundarlal	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1599 Hemraj	Chhatiram	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1600 Satish	Sukdas	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1601 Bablu	Jamadar	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1602 Rajesh	Rupchand	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1603 Ramlal	Pardhan	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1604 Payrelal	Mangalsingh	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1605 Shayamlal	Mangalsingh	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1606 Harimohan	Salame	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1607 Anil	Tarachand	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1608 Soni	Bhura	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1609 Rajendra	Rosan	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1610 Kamlesh	Sohanlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1611 Ghanshyam	Nanadlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1612 Dinesh	Sukhdayal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1613 Jitendra	Kraishna	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1614 Sunil	Bhojram	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1615 Rahul	Kapurchand	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1616 Bablu	Premlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1617 Mohit	Ramlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1618 Rakesh	Gandlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1619 Charan	Bisram	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1620 Vijay	Chintulal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1621 Rahul	Sitaram	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1622 Yashvant	Janva	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1623 Praveen	Banshilal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1624 Suresh	Sampat	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1625 Vinod	Chetram	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1626 Ravindra	Ramdas	Piparkhuta

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Seoni	South Seoni	4E5H5c	Poultry unit	1627 Akhalesh	Vipatlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1628 Vishal	Gangaprasad	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1629 Arun	Girdhari	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1630 Vinay	Munshilal	Piparkhuta
Seoni	South Seoni	4E5H5c	Poultry unit	1631 Jitendra	Chamaru	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1632 Dharmdas	Kishnu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1633 Bashtiram	Jagalu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1634 Lila	Raghunath	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1635 Ganaram	Sadhu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1636 Dharmendra	Jayprakash	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1637 Gangaram	Jhitariya	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1638 Ramkali	Meharsingh	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1639 Shivprasad	Madavi	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1640 Balaram	Basod	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1641 Mukesh	Charnlal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1642 Mohan	Sadhu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1643 Tejlal	Dhusa	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1644 Kelash	Ramlal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1645 Jayvanti	Chintaman	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1646 Chhannu	Bisram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1647 Shayamlal	Gandu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1648 Darsan	Karu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1649 Gopal	Suddu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1650 Sitaram	Sukhdas	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1651 Anand	Kusan	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1652 Ramkumar	Barati	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1653 Manoj	Gunvantrav	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1654 Vijay	Mehatar	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1655 Ramu	Khandate	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1656 Krishnakumar	Nanadram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1657 Janki	Ramdayal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1658 Parasram	Tejlal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1659 Ramnath	Sitaram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1660 Rajkumar	Shrichand	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1661 Ramsingh	Premlal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1662 Ramlal	Govind	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1663 Hiralal	Radhu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1664 Narmada	Hammilal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1665 Bhivrav	Rosan	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1666 Ganesh	Rajaram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1667 Nanankishore	Rosan	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1668 Babulal	Sadhu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1669 Brajmohan	Shivprasad	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1670 Dasrat	Mayaram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1671 Harichand	Bhaiyalal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1672 Mantlal	Gendu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1673 Vandana	Rajkumar	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1674 Kaviraj	Shivraj	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1675 Santraj	Shivraj	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1676 Ganesh	Tarachand	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1677 Payrelal	Mangalsingh	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1678 Prahlad	Tarachand	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1679 Nanandkishore	Rosan	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1680 Omprakash	Shriram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1681 Shivkumar	Rosan	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1682 Ganesh	Chiroji	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1683 Parmanand	Varlu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1684 Devanand	Rajaram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1685 Hariprasad	Salame	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1686 Jhamsingh	Hammilal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1687 Ramesh	Hiresingh	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1688 Ajay	Ratan	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1689 Ramsingh	Bhayaram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1690 Devkala	Dolatram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1691 Kisore	Kunjlal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1692 Shrichand	Ojha	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1693 Ramprasad	Bhaiyalal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1694 Ghudo	Dayalal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1695 Suraj	Mangal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1696 Nattu	Chettya	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1697 Rameshwar	Narbad	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1698 Hariprasad	Chetram	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1699 Ramsula	Mangal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1700 Ramprasad	Sahu	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1701 Vinod	Ramprasad	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1702 Somlal	Birbal	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1703 Pramad	Pramad Tiwari	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1704 Ganesh	Ganesh Songade	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1705 Jeetu	Hiraman	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1706 Santi	Sukhdas	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1707 Ramshankar	Govind	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1708 Sukhdev	Jamadar	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1709 Anil	Dashrat	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1710 Kapurchand	Sundar	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1711 Radheyshyam	Namdev	Pipariya
Seoni	South Seoni	4E5H5c	Alternative energy resource	1712 Bashilal	Nattu	Piparkhuta

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Seoni	South Seoni	4E5H5c	Alternative energy resource	1713 Yashvant	Janka	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1714 Anita	Sitaram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1715 Chandrakala	Chamru	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1716 Premraj	Bhangi	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1717 Munshilal	Mahulal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1718 Girdhari	Mahulal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1719 Jhalo bai	Vipatlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1720 Hariprasad	Tukaram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1721 Prema bai	Dharamdas	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1722 Ramdas	Moti	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1723 Laekhraj	Rupchand	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1724 Tekchand	Tarachand	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1725 Gangaprasad	Tukaram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1726 Shyama	Chetram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1727 Aniram	Kisan	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1728 Kapurchand	Sohidram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1729 Pramila	Santosh	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1730 Sukhlal	Jamu	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1731 Premlal	Sohanlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1732 Bhojram	Dadu	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1733 Kamal	Sohan	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1734 Sohani	Bhura	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1735 Ramesh	Sukhlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1736 Pancho	Dayaram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1737 Rasan	Jangal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1738 Sampat	Sukali	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1739 Narayan	Tukaram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1740 Chunnilal	Holu	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1741 Basant	Janu	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1742 Dashvanti	Chetram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1743 Sukhdas	Puran	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1744 Mulchand	Bashilal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1745 Sarla Bai	Nanadlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1746 Chantaman	Sammu	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1747 Jayvanta	Sohanlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1748 Ramdas	Sohanlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1749 Rupchand	Sohidram	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1750 Dinesh	Sukhadayal	Piparkhuta
Seoni	South Seoni	4E5H5c	Alternative energy resource	1751 Shivlal	Bhadda	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1752 Omprakash	Shriram	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1753 Visan	Vishram	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1754 Managalsingh	Soma	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1755 Ramesh	Charanlal	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1756 Narendra	Dilip	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1757 Bhivrav	Rosan	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1758 Nandkishore	Rosan	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1759 Sanjeev	Ramdayal	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1760 Chamaru	Mantlal	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1761 Sachin	Dashrat	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1762 Suraj	Chandu	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1763 Ramdas	Dhannu	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1764 Ramesh	Charanlal	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1765 Rameshwar	Narvad	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1766 Bhivrav	Rosanlal	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1767 Satish	Sukhdas	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1768 Shrichand	Ojha	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1769 Sahatar	Toni	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1770 Anand	Kusanlal	Pipariya
Seoni	South Seoni	4E5H5c	Poultry unit	1771 Brajmohan	Shivprasad	Pipariya
Seoni	South Seoni	4E5H5c	Fish Farming	1772 Mithun	Dharmdas	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1773 Munshi	Bhadulal	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1774 Vinod	Chetram	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1775 Sunil	Bhojram	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1776 Chintaman	Sammu	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1777 Ramdas	Motiram	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1778 Pramraj	Bhangi	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1779 Pankaj	Vipatlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1780 Gandlal	Bhaiyalal	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1781 Rosan	Janglu	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1782 Krishnakumar	Nanadram	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1783 Vinod	Ramdas	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1784 Ajay	Ratanlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1785 Ramu	Sadhu	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1786 Mohan	Sadhu	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1787 Shivkumar	Rosan	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1788 Gulabrav	Mayaram	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1789 Ishawar	Jikku	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1790 Kisore	Ramdas	Piparkhuta
Seoni	South Seoni	4E5H5c	Fish Farming	1791 Prakash	Raddhu	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1792 Ananda	Dhanraj Adamache	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1793 Lalita	Anil Markam	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1794 Pratibha	Ramesh Lokhande	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1795 Shayamlata	Rajesh Madavi	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1796 Ganga	Sunil Tekam	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1797 Krishna	Anil Tekam	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1798 Rameshwari	Ramesh Adamache	Pipariya

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Seoni	South Seoni	4E5H5c	Stitching Training	1799 Sushma	Anand karmkar	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1800 Kusum	Ashok karmkar	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1801 Jyoti	Chamru lal Marshkole	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1802 Maya	Bhivrav	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1803 Kunta	Anil	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1804 Anita	Krishna kumar	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1805 Pramila	Tejendra	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1806 Sulochana	Vinod	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1807 Sarla	Kamal	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1808 Vandana	Raju	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1809 Jenvati	Indrakumar	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1810 Anita	Ravikumar	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1811 Dayavanti	Brajmohan	Pipariya
Seoni	South Seoni	4E5H5c	Stitching Training	1812 Maya	Chintaman	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1813 Vandana	Ramdas	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1814 Jyoti	Ravindra	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1815 Neharika	Girdhari	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1816 Kavita	Gandlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1817 Pramila	Santosh	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1818 Neetu	Munshilal	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1819 Usha	Lekhachand	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1820 Kavita	Gandlal	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1821 Maya	Raju	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1822 Valla	Praveen	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1823 Sandhya	Munshilal	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1824 Geeta	Girdhari	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1825 Aradhana	Dilip	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1826 Sushila	Kamal	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1827 Sangeeta	Ramesh	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1828 Samita	Dinesh	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1829 Bhagrati	Sukhadayal	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1830 Devka	Ganga	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1831 Shayamkala	Radheshayam	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1832 Usha	Lekhchand	Piparkhuta
Seoni	South Seoni	4E5H5c	Stitching Training	1833 Yogeshwari	Sunil	Piparkhuta
Shahdol	Umaria	2A6H4d	Poultry unit	1834 Mr. Ramesh Sigh	Mr. Phool Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1835 Mr. Lala Singh	Mr. Chotelal Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1836 Mr. Babulal Singh	Mr. Naval Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1837 Mr. Sonshah Singh	Mr. Phool Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1838 Mr. Mohan Singh	Mr. Kamal Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1839 Mr. Dharmendra Singh	Mr. Sonshah Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1840 Mr. Bhannu Singh	Mr. Besahu Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1841 Mr. Narendra Singh	Mr. Swamisaran Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1842 Mr. Surendra Singh	Mr. Dadan Singh	Bijaura
Shahdol	Umaria	2A6H4d	Poultry unit	1843 Samvad Singh	Chamroo Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Poultry unit	1844 Baijnath	Balveer Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Poultry unit	1845 Champa Bai	Samaylal Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Poultry unit	1846 Phool Bai	Charandas Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1847 Mr. Ramchandra Singh	Mr. Bisen Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1848 Mr. Ram Singh	Mr. Baddu Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1849 Mr. Hem Singh	Mr. Durpal Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1850 Mr. Ramnarayan Singh	Mr. Dadan Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1851 Seeta bai	Amrit Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1852 Sonu baiga	Ramkripal Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1853 Ratan Singh	Pooran Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1854 Vivek Baiga	Baijnath Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1855 Man Singh	Prem Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Gorcery store	1856 Govind Singh	Prem Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1857 Mr. Patiram Singh	Mr. Shankar Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1858 Mr. Padam Singh	Mr. Kunwar Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1859 Mr. Churamani Dubey	Mr. Buddhu Prasad Dubey	Bijaura
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1860 Mr. Bali Singh	Mr. Jailal Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1861 Golu yadav	Ramprasad Yadav	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1862 Santosh Yadav	Babulal yadav	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1863 Shivprasad Singh	Samvad singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1864 Chaitu Baiga	Ramlal baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1865 Gorelal	Punauaa baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1866 Premlal	Naresh Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1867 Munnelal	Ramkripal Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1868 Shambhu	Johan Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1869 Vishvnath	Raisen Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1870 Jawahar Singh	Kamta Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1871 Sukhsen	Jawahar Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Livestock rearing	1872 Lalan Singh	Bhaddu Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Vegetable cultivation	1873 Mr. Prakash Singh	Mr. Phool Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Vegetable cultivation	1874 Mr. Mohan Singh	Mr. Kamal Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Vegetable cultivation	1875 Mr. Vijay Singh	Mr. Charan Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Vegetable cultivation	1876 Mr. Daddu Singh	Mr. Phool Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Vegetable cultivation	1877 Mr. Ramesh Singh	Mr. Phool Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Vegetable cultivation	1878 Mr. Patiram Singh	Mr. Shankar Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Vegetable cultivation	1879 Ashok Singh	Dariyap Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Vegetable cultivation	1880 Ratan Singh	Pooran Singh	Ghunghuti

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1881 Rampal Singh	Lakhan Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1882 Benimadhav Singh	Naval Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1883 Premlal Baiga	Ganpat Baiga	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1884 Gajraj Singh	Dholi Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1885 kalyan Singh	Shivprasad Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1886 Meera bai	Bhoopat SIngh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1887 Ramkhelawan	Dheeraj Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1888 Baisakhu Singh	Mitthu Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1889 Gyandas Singh	Dhankoo Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1890 Rajaram Singh	Semlal Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1891 Kamlesh Singh	Kunwar Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1892 Daya Singh	Buddha Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1893 Chammar Singh	Vishram Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1894 Arun Singh	Ganpat Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1895 Manbharan Singh	Durpal Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1896 Kamlesh Singh	Bhagat Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1897 Pappu Singh	Angad Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1898 Shambhu Singh	Gopal Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1899 Ratan Singh	Bhurelal Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1900 Binda Bai	Surajpal Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1901 Lalit Singh	Lakhan Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1902 Kamlesh Singh	Durpal SIngh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1903 Gange Singh	Fagunu Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1904 Hari Singh	Jaipal Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1905 Gange Singh	Faga Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1906 Phool Singh	Ganesh Singh	Patpara
Shahdol	Umaria	2A6H4u	Vermi compost unit and vegetable cultivation	1907 Rajendra Prasad Sahu	Deepnarayan Sahu	Patpara
Shahdol	Umaria	2A6H4d	Training on stitching	1908 Alpna Singh	Munna Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on stitching	1909 Rookmani Singh	Bahadur Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on stitching	1910 Mamta Singh	Durpal Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on stitching	1911 Rajani Singh	Ramchandra Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on stitching	1912 Kavita Singh	Ramnarayan Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on stitching	1913 Sumitra	Ramprasad Yadav	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1914 Pooja	Budhsen Yadav	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1915 Sonam	Babulal Yadav	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1916 Shivkumari	Kamlesh Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1917 Chandrawati bai	Nam Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1918 Saroj Bai	Avdhesh Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1919 Ajju Bai	Shivprasad	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1920 Geeta bai	Ratan Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1921 Chandani Baiga	Samaylal Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1922 Anita	Vivek Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1923 Ramatiya bai	Ramdhani Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1924 Anita bai	Mahendra Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1925 Ramkumar Singh	Jawahar Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on stitching	1926 Tulasi Singh	Gajroop Singh	Ghunghuti
Shahdol	Umaria	2A6H4u	Training on stitching	1927 Kushal Bai	Sukhdev Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1928 Komal Singh	Bhoopat Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1929 Anusuiya bai	Prakash Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1930 Gomati bai	Rampal Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1931 Geeta bai	Kamalbhan Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1932 Gayatri bai	Kunwar Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1933 Rekha bai	Pooran Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1934 Sumeera	Vitan Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1935 Parwati bai	Gajnath Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1936 Nan bai	Chotelal Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1937 Sumita bai	Bhajan Singh	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1938 Manisha bai	Prayagraj	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1939 Chandrawati bai	Gendlal	Patpara

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Shahdol	Umaria	2A6H4u	Training on stitching	1940 Phool bai	Dayaram	Patpara
Shahdol	Umaria	2A6H4u	Training on stitching	1941 Rajani bai	Ram Singh	Patpara
Shahdol	Umaria	2A6H4d	Training on Bangle marketing	1942 Rajkumari	Dharmendra Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Bangle marketing	1943 Chandrakali Singh	Ajmer Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Bangle marketing	1944 Janki Bai	Rambahadur Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Bangle marketing	1945 Babi Bai	Durpal Singh	Bijaura
Shahdol	Umaria	2A6H4d	Training on Bangle marketing	1946 Usha Bai	Munna Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Training on Bangle marketing	1947 Shakuntala	Balmiki Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1948 Seema Bai	Lalman Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1949 Rajkumari	Sikandra Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1950 Saroj bai	Ramu baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1951 Nan bai	Jagdeesh baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1952 Sumitra bai	Sevakram baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1953 Somwati bai	Heeralal Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1954 Sarla Bai	Dayalu baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1955 Sirwatiya	Jeevanlal Baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1956 Phoolmati	Ramprasad Singh	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1957 Ranu Bai	Pradeep baiga	Ghunghuti
Shahdol	Umaria	2A6H4d	Sericulture unit	1958 Ramprasad	Heeralal Singh	Ghunghuti
Shahdol	Umaria	2A6H4u	Driving training	1959 Vishvnath Singh	Surajpal Singh	Patpara
Shahdol	Umaria	2A6H4u	Driving training	1960 Neeraj SIngh	Vishvjeet Singh	Patpara
Shahdol	Umaria	2A6H4u	Driving training	1961 Jagdeesh Singh	Ramdhani Singh	Patpara
Shahdol	Umaria	2A6H4u	Driving training	1962 Parag Singh	Gajraj Singh	Patpara
Shahdol	Umaria	2A6H4u	Driving training	1963 Manraj Singh	Gajraj Singh	Patpara
Shahdol	Umaria	2A6H4u	Driving training	1964 Roopesh Singh	Sukhdev Singh	Patpara
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1965 Prem bai	Moharpal	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1966 Mukesh	Nandlal	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1967 Lalliram	Harnan	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1968 Moti	Kammoda	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1969 Umrao	Pyarelal	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1970 Mansingh	Ram singh	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1971 Pappuram	Devi Singh	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1972 Siya	Mannu	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1973 Sangram	Subram	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1974 Babu gir	Narayan Gir	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1975 Kabul	Shivlal	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1976 Mansingh	Shivlal	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1977 Nandlal	Bhamra	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1978 Ramdeen	Sunna	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1979 Meherwan	Ramlal	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1980 Kashiram	Raghua	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1981 Deshram	Bhagirath	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1982 Narayan	Raddu	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1983 Raddu	Khumna	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1984 Shyamlal	Gokaliya	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1985 Ompuri	Bal Puri	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1986 Brijesh Puri	Bal Puri	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1987 Nane	Phool Singh	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1988 Devendra Gir	Lakhan Singh	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1989 Ashok Gir	Ramcharan Singh	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1990 Amarchand	Ramlal	Guriya
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1991 Samrath	Pratap	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1992 Ramprakash	Hargovind	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1993 Mathuram	Ramkrishna	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1994 Sangram	Chaturi	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1995 Lukman	Pratap	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1996 Ratiram	Tulsiram	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1997 Mansingh	Harcharan	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1998 Sugar Singh	Ishwari	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	1999 Panjab Singh	Sitaram	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2000 Pehlwan	Lala	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2001 Eamdee	Pratap	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2002 Parmal	Ramkrishna	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2003 Devi	Janak Singh	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2004 Prem Gir	Laxman Singh	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2005 Shriram	Kashiram	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2006 Shobha Ram	Kashiram	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2007 Mohan Singh	Kashiram	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2008 Madho Puri	Prayag Puri	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2009 Bhagwan Puri	Prayag Puri	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2010 Bhaiyasahab	Prayag Puri	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2011 Ladle	Radhna	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2012 Maniram	Ramcharan	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2013 Asharam	Ramkrishna	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2014 Nandram	Ramkrishna	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2015 Raghuraj	Harcharan	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2016 Raghuveer Singh	Ram Singh	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2017 Asharam	Dayachand	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2018 Khalak Singh	ISHWARI	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2019 Dhaniram	Seetaram	Hurri
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2020 Saindpal	Ramraj	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2021 Hanumant Singh	Rana ji	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2022 Barjor Singh	Vishnu Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2023 Babbu	Rana ji	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2024 Dayaram	Bhojua	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2025 Narayan	Sundara	Kemkheda

Circle	Division	Mili - Watershed	Activity	Number & Name of Beneficiary	Father's Name/Husband's Name	Village name
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2026 Babu gir	Aman Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2027 Ghanshyam	Ramdayal	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2028 Mujiyalal	Nirpatiya	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2029 Vijayaram	Ghamandi	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2030 Jihan Singh	Shripat	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2031 Narayan	Panna	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2032 Hari Shankar	Dev Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2033 Lakhan	Gaya Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2034 Sitaram	Devlal	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2035 Muniram	Dujji	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2036 Ramesh	Maharaj Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2037 Bade rajju	Sone ji	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2038 Gajendra Singh	Ganpat Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2039 Kripal Singh	Pancham Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2040 Bal veer	Ghanshyam	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2041 Rajpal	Raghuraj Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2042 Dharmendra	Jagdish Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2043 Sunil	Raghuvir	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2044 Asha	Mujiya	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2045 Bodu	Bhagu	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2046 Chhakkan	Ramcharan	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2047 Rajesh	Bhagchand	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2048 Rajbahadur	Jihan Singh	Kemkheda
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2049 Shriram	Mulla	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2050 Buddhu	Suratiya	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2051 Nawal	Babu Singh	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2052 Ramesh	Ghamandi	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2053 Brajesh	Ramesh	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2054 Rajendra	Buddhu	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2055 Kerua	Ramesh	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2056 Lalchand	Mannu	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2057 Mangal Singh	Ballu	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2058 Harnarayan	Ram	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2059 Shivcharan	Sannu	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2060 Shankar	Mohana	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2061 Bissi	Hameera	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2062 Makrandi	Pooran	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2063 Indrabhan	Sanjay	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2064 Jandel	Narayan Singh	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2065 Veer singh	Gajraj Singh	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2066 Rajveer	Hajrat Singh	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2067 Ghanshyam	Ratan Singh	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2068 Shishupal	Babu Singh	Tijarpur
Shivpuri	Shivpuri	2C3D2g	Agroforestry	2069 Haribhan	Sanjam Singh	Tijarpur