

# Ecosystem Services Improvement Project (ESIP)

Annual Plan of Operation 2019-20  
Progress Report 2018-19

Green India Mission

Madhya Pradesh Forest Department



**Office of The Principal Chief Conservator of Forest and Head of Forestry  
Forces, Madhya Pradesh**

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Ref./GIM/2019/ 308

Bhopal, Date:- 17-04-2019

To,

The Under Secretary to Government of India  
Green India Mission,  
Ministry of Environment Forest and Climate Change,  
Indira Paryavaran Bhawan, New Delhi 110003

Subject: Submission of Annual Plan of Operation for FY 2019-20 and Annual Progress Report for FY 2018-19 under Ecosystem Services Improvement Project.

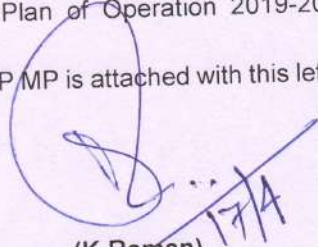
Ref: - Your office memorandum F.No. 09-02/2014/GIM dt. 26<sup>th</sup> March, 2019

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The progress report for the FY 2018-19 and Annual Plan of Operation 2019-20 is enclosed for your perusal and necessary action.

2. A brief on progress report 2018-19 and APO 2019-20 ESIP MP is attached with this letter.

Encl : As above

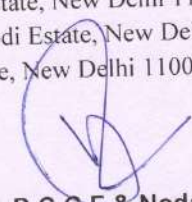
  
(K.Raman)  
Addl. P.C.C.F & Nodal Officer  
(Green India Mission)  
Madhya Pradesh

Bhopal, Date:- 17-04-2019

Ref./GIM/2019/ 309

Copy to:

1. Sr. PA to Addl. Chief Secretary Forest, Madhya Pradesh
2. Sr. PA to the Principle Chief Conservator of Forests & HoFF, M.P.
3. The Task Team Leader, Environment & Natural Resources Global Practice, World Bank
4. Dr. Anupam Joshi, Co-Team Leader ESIP, World Bank 70, Lodi Estate, New Delhi 110003
5. Mr. Anantha Krishna Karur, Finance Specialist, World Bank 70, Lodi Estate, New Delhi 110003
6. Ms. Preeti Jain, Procurement Specialist, World Bank 70, Lodi Estate, New Delhi 110003

  
Addl. P.C.C.F & Nodal Officer  
(Green India Mission)  
Madhya Pradesh

## **A Brief on Progress Report 2018-19 and APO 2019-20 ESIP MP**

### **PROGRESS REPORT 2018-19**

1. During the year 2018-19 a total of 1079 ha. of degraded forests / moderately dense forest showing degradation were taken for restoration treatment in the landscapes selected under MP ESIP.
2. Rs. 642.93 lakh was spent during the financial year against the sanctioned APO of Rs 1270.67 lakh
3. A State level reach out workshop followed by 1 National level 4 division level; 7 Range level 24 village level workshops were carried out. The objective was to sensitize the stakeholders about the ESIP Project objectives and to make strategies to achieve them. A total number of 5569 JFMCs members, 553 government functionaries participated in various workshops.
4. 17 Number of exposure visit were organized for 910 JFMCs member to facilitate understanding of best practices by the various stakeholders and to act as a catalyst for the achievement of objectives of the project.
5. 1192 beneficiaries have been identified for various livelihood initiatives like training on improved mahua collection, bee keeping, honey collection, mushroom cultivation, vermi-compost units, sanitary napkin units, computer skilling, tailoring support. 603 beneficiaries were given training to facilitate employment opportunities in the above-mentioned fields.
6. Upgradation of Bansapur Nursery in Sehore Landscape is being upgraded to equip it to produce better quality seedlings. Cement concrete beds, poly house, green house, vermi-compost units have been constructed, root trainers have been procured, solar pump has been installed
7. Three consultants have been selected for the project.
  1. GIS and Database Expert
  2. Procurement cum Financial management specialist and
  3. Forestry, Ecosystem services and knowledge management specialist
8. Reimbursement claim of Rs. 72.32 lakh was settled and reimbursed by the World Bank till quarter October-December 2018.
9. Two Implementation Support Missions were carried by the world Bank during the year
  1. 10th July, 2018 and
  2. 11<sup>th</sup>-13<sup>th</sup> march 2019 respectively

## PROPOSALS FOR 2019-20

1. During the year 2019-20 it is proposed to treat 1529 ha. degraded open forest / moderately dense forests showing degradation.
2. 679 ha. of area prepared during 2018-19 will be taken up for afforestation. A total number of seedlings are proposed to be planted
3. A total number of 56 village level awareness workshops, 11 range level workshops and 6 division level workshops are planned for FY 2019-20.
4. 8 Exposure field visit of JFMCs members and field staff is planned
5. 9 skill development training is proposed for the beneficiaries identified.
6. It is proposed to take the livelihood initiative based on NTFPs collection, processing, value addition, Mushroom Cultivation, Incense stick making, training and manufacturing, apiculture training to increase the income of SHGs of ESIP village.
7. the process of selection of social development expert is under way and is likely to be completed soon.
8. The process of hiring resource agencies to carry out IEC strategy, NTFP frame work preparation, and Biodiversity capacity building is under way and likely to be completed in this financial year.
9. The proposed outlay for APO 2019-20 is Rs 1845.14 Lakh



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## Background Note and Progress report of ESIP in Madhya Pradesh (March 2019)

1. The Green India Mission (GIM) is a nationwide response to climate change. In response to these challenges, in 2011, the government initiated a new national effort- the National Mission for a Green India, commonly referred to as the Green India Mission (GIM) which aims to improve the forest cover by integrating the issues of forest quality and ecosystem services. It aims at protecting, restoring and enhancing India's diminishing forest cover and responding to climate change by a combination of adaptation and mitigation measures. GIM takes a holistic view of greening and focuses on multiple ecosystem services, especially biodiversity, water, biomass, preserving mangroves, wetlands, critical habitats, and so forth. It also includes carbon sequestration as a co-benefit. GIM has adopted an integrated cross-sectoral approach to implement programs on public as well as private lands, and to give local communities key roles in planning, decision making, implementation and monitoring. The GIM builds on existing land and forest programs and seeks to develop convergence or synergies between programs to minimize duplication and increase efficiencies.
2. The state of MP has prepared a perspective plan for meeting the above challenge by identifying areas highly vulnerable to climate change and in the process impacting the climate and are in the need of immediate treatment. The areas have been identified in 18 forest divisions spread over 16 districts located in 8 different Climate based landscapes (L1 Level landscapes). For actual operation 122 Mili watersheds (L2 level landscapes) 735 Micro watershed (L3 level landscapes) have been identified.
3. Ecosystem Services Improvement Project (ESIP) is a World Bank pilot project in states of Madhya Pradesh and Chhattisgarh to facilitate Green India Mission funded by the Global Environment Facility Trust Fund (US\$24.64 million). The share of MP as a grant is about US\$ 9 million. The ESIP came into existence in the state of Madhya Pradesh on 16/08/2017, with signing of agreement of GEF with Ministry of Environment Forest and Climate Change (MoEF & CC) India and International Bank for Reconstruction and Development (IBRD).

The ESIP will support the goals of GIM by demonstrating models for adaptation-based mitigation through sustained land and ecosystem management and livelihood benefits. Additionality of ESIP interventions over GIM activities including better carbon sequestration potential. The proposed project, in many ways, brings a new and novel approach to address some of the challenges in management of ecosystems and land. It will introduce new tools and technologies for better management of natural resources, including biodiversity and carbon assets and the use of advanced monitoring systems, which have become widely used and are considered a necessity in the forestry sector. The project will establish a better way land degradation and desertification is monitored at the national level by setting up a web-based national system for monitoring land degradation and

desertification. The pilot in Madhya Pradesh and Chhattisgarh will help demonstrate the potential for nationwide scaling up of the proposed ESIP and will directly support India's NDC.

4. **APO 2018-19:** Annual Plan of Operation FY 2018-2019 was approved by the Project Steering committee MOEF & CC in the meeting held on 26-03-2018. The approval was submitted to the State on 20-06-2018

State Government of Madhya Pradesh made a provision of Rs. 1270.67 lakhs in line with the approval accorded by the Project Steering Committee in Monsoon Session of the Madhya Pradesh Legislative Assembly in the form of first supplementary provision.

#### 5. **Progress Report 2018-19**

1. **Field works** were carried out as per approved APO in following steps. Division wise, Activity wise, site wise progress report (physical and Financial) is annexed at Annexure I. (a) and Proposed APO for year 2019-20 is attached as Annexure I. (b).

(i) Finalization of Mili & Micro Watersheds and Site Selection. A brief note on works taken up under ESIP, MP is annexed as Annexure II

(ii) Area selected for treatment enclosed 1050 ha (North Betul:150 ha., Hoshangabad: 600 ha. and Sehore: 300 ha). 600 ha of the enclosed area will be taken up for plantation

(iii) A total of 5,40,000 plants will be planted on the sites prepared for treatment

(iv) R&E Bhopal and Betul circles are preparing the seedlings required for the ESIP sites

(v) **Research & Extension Bhopal Circle** has taken its Basapur Nursery, Sehore for upgradation. It will facilitate increase in productivity from 5.00 lakh saplings to 8.00 lakh saplings/year of high-quality seedlings.

(i) the activities taken up for upgradation include construction of Cement concrete beds (200 nos), Poly house (720 sq.m.), Green House (722sq.m.), Mist Chamber (120 sq.m.), Seed treatment platform( 300sq.m.), sprinkler set (for 200 beds, 4 per bed), Root trainers (1.00lakh units set), Nursery road (500m) bore-well (1) , Labor hut (1), Toilet for labor (1), Vermi compost unit (10m\*6m 4 tanks), Solar pump set for irrigation (7.5 KVA). the details with upgradation plan are at annexure (III)

(ii) Species of plants to be raised, Native/MFP Species - Amla, Harra, Baheda, Mahua, Neem, Bel, Sagon, Bamboo, karanj, Sissoo, Chirol

etc. RET Species- Achar, Bija, Tinsa, Kalashisham, Kullu, Anjan  
etc. Ficus Species- Pipal, Bargad, Gular, Pakar. Fruit bearing  
Species - Aam, Sitafal, Amrud, Nimbu, Munga etc.

2. **Capacity Building:** Three agencies for strengthening capacity of government institutions and JFMCs were identified and detailed plan for training chalked out, and approved by the Project Steering Committee were partly implemented.

(i) "Staff training in the use of GIS system" I.T. wing of the department has prepared a training program for, which is under implementation. The calendar of training has been finalized. Advanced GNSS handsets have been procured and are being examined for technical specifications. The training will be given by the I.T. Wing.

As hardware support, a workstation has been procured for the GIS Specialist, M.P. SPIU in February 2019. Also, new activities created and submitted on STEP on 1<sup>st</sup> March 2019 to procure GIS & Remote Sensing software's for the GIS Specialist. Each software estimated cost is about Rs. 20.00 Lakh.

(ii) Capacity building on Biodiversity: "Training and protocol development for biodiversity measurements in select location for preparing biodiversity management plans, especially in corridors" and "Support for strengthening BMCs/ JFMCs on Biodiversity Management as per NBA" were approved to be organized by the MP State Biodiversity Board as per their detailed plans.

(iii) Capacity Building on NTFP: "Development of sustainable use framework for NTFP and train of local frontline staff, JFMCs etc in applying NTFP framework", "Capacity building of forest officials on new processes for undertaking soil preparation, forest enrichment planting and protection works in degraded forest" and "Development of community level baseline assessment dependency selected information for of livelihood on NTFPs in Forest Division" were approved to be organized by the MP State Forest Research Institute, Jabalpur

However, the World Bank Task Team Leader, ESIP, vide the email dated 7.8.2018 informed SPIU MP that MP State Biodiversity Board being part of the GoMP, is not eligible to receive a contract for providing consulting services in the project. (Annexure IV)

Hence the proposed procurement activities were cancelled on world bank procurement portal STEP. Fresh TORs for the above assignments have been prepared and new activities have been created on STEP on 1<sup>st</sup> March



2019 and submitted for bank's for approval. Once the approval is received the capacity building program will be started. Draft NTFP ToR for IEC strategy ToR is annexed at Annexure V

3. **Exposure Visits:** Exposure visits organized for 894 members of 55 JFMC committees and frontline staff from the selected landscapes of Hoshangabad, Sehore and Betul districts. The purpose of the visits was to sensitize the committee members towards skill, livelihoods, SHG based initiatives covering wide ranging issues like stitching, plate/carry bag making, industrial skill development, agriculture/horticulture etc.
4. **Skill Development:** Activities like training for Mahua value addition/processing, honey collection, MFP collection & value addition. Identification of livelihood interventions and beneficiaries screening with support of district units of State Rural Livelihood Mission in each division being carried out. Hoshangabad and Betul North Forest Divisions have identified beneficiaries in the ESIP villages for skill development and livelihood initiatives. activity wise and village details of activities and beneficiaries is placed at (Annexure VI)
5. **ESIP Reach out Workshop-** 22-24 August 2018, Pachmarhi, Madhya Pradesh

A two-day reach-out workshop with two-day field visit of the landscape was organized at Pachmarhi, Madhya Pradesh during 22-24 August 2018 to facilitate the ESIP (Ecosystem Services Improvement Project), to facilitate the Mission for a Green India. The proceedings of the workshop are annexed at Annexure VII.

The objectives of the workshop were to

- (i) Bring the various actors/stakeholders of the landscapes on one platform to facilitate understanding of the concepts of ecosystem services, the Green India Mission, the landscape approach, the selected landscapes, the rationale of the selection, the people, the forests, the ecosystems.
- (ii) Identification and prioritization of the activities to be undertaken during the project period, Role clarity amongst the various stakeholders, and Identification of the probable field sites for project implementation.

The workshop was attended by the representative of Madhya Pradesh State Government Departments (Forest, Agriculture, Fisheries, Horticulture, State Bamboo Mission, State Planning Commission, MFP Federation, Sericulture and Animal Husbandry etc.), the World Bank, Forest Survey of India, TFRI, Jabalpur, IIFM, Bhopal and ICFRE, Dehradun, the villagers of the landscapes selected.

The deliberations of the panel discussions are as follows:

- (i) Possibilities of convergence of line departments with objectives of ESIP
- (ii) Experiences in measuring carbon stock, established techniques and methodologies best suited for ESIP landscapes and preparation of baseline
- (iii) Techniques for enhancing and restoring carbon stocks in forestlands through nursery upgradation and investments in forest of moderate density showing degradation and degraded open forests
- (iv) Participatory planning tools for landscape development Planning, up-scaling SLEM best practices, and addressing livelihood issues of the project area vis-a-vis sustainable management of NTFP

Major recommendations of the workshop are at Annexure VII

6. **Selection of consultants:** In SPIU M.P., for smooth operation of the project the procurement of the following consultants has been completed. (Annexure VIII)
- (i) GIS and Database expert: Process completed and Award of Contract given.
  - (ii) Forestry/Ecosystems Service and Knowledge Management specialist: Process completed and Award of Contract given in October 2018.
  - (iii) Procurement & Financial Management Consultant: Process completed and Award of Contract given in September 2018.
7. **Reimbursement claim:** Expenditure of Rs. 4416291/- was done during the financial year 2017-18 against the sanctioned APO of Rs 52.19 lakh Reimbursement claim for year has been prepared in the prescribed IUFRR formats and submitted to the world bank, MOEFCC and also mailed to CAAA for reimbursement (Annexure VII). The web portal of CAAA advises that the reimbursement claim should be first approved by the task team leader and then submitted to the CAAA. In furtherance to that, after the approval of World Bank, the reimbursement of Rs. 44.16 Lakh has been released by CAAA. In 2018-19, for the quarter ending September 2018, a reimbursement claims of Rs. 11.75 Lakh has also been released on 6.12.18 by CAAA with prior approval of World Bank on request of SPIU MP. The IUFRR for the quarter ending December 2018 has also been submitted to CAAA in February 2019. A request has been made to



World Bank for its approval towards release of an amount of Rs. 16.27 Lakh. At latest CAAA released the amount 16.27 lakh and as a total 72.32 lakh is settled and reimbursed by latest December 2018. Details at Annexure IX

**8. Networking with national (FSI) and international institutions for carbon measurements:** A training was held in FSI, Dehradun from 30<sup>th</sup> January to 1<sup>st</sup> February 2019 on techniques of carbon measurement. SPIU MP coordinated with PCCF, Working Plan for sending officers along with officials of ESIP units for the training. 30 officials from the state forest department participated in the three-day program in Dehradun. The details of the workshop is attached at annexure X

**9. Review Mission:** Two review Mission Team of the World Bank visited the State to monitor the progress of the project

(i) First Implementation Support Mission – 10<sup>th</sup> July 2018

(ii) Second Implementation Support Mission – 11<sup>th</sup> to 12<sup>th</sup> March 2019

10. Technical support (by ICFRE) for developing carbon measurement and monitoring system: ICFRE team in November 2018 carried out the training of the field officials/staff for the carbon sequestration & measurement exercise. The exercise was carried out in the three Divisions of North Betul, Sehore and Hoshangabad. The forest department officials and staff participate in the collaborative exercise held by ICFRE. The scientists from ICFRE carried out field-based data collection orienting the participants for carrying out such studies. The data is yet to be shared by ICFRE. A request has been made to ICFRE for sharing the data and further course of action to be taken up for carbon measurement.

11. **Issues for discussion and resolution:** some issues need to be resolved at the earliest to ensure the smooth roll out and execution of the project. The updated status of each

*i. Problems in STEP: Difficulty in uploading documents, lack of clarity in uploading documents to complete STEP procedures, need intensive training to understand the STEP procedures.*

*ii. State forest departments are required to maintain accounts in customized accounting software? SPIU MP has identified TALLY Service Provider for procurement of TALLY software and training of Forest Department staff.*

*iii. Specialized agencies for focused M&E need to be clarified*

*iv. State wise project fund allocation details not provided in PAD, PIP or the cost table for the components 1 and 2 of the project*



v. *Conflict in the provision of PIP and cost table*

v.(i) *The PIP point 10.5 provides, "Specialized staff for technical matters will support the State Project Director. These will include Forestry / Ecosystems Service Specialist, Knowledge Management & Training Specialist, Database & GIS Expert and Social Development / Community Mobilization Specialist. Further specialist staff for project management matters will also form an integral part of the State PIU." (page 36)*

v.(ii) *The cost table provides no resource in the point 4.3.1 to 4.3.4 for above.*

vi. *Upscaling of SLEM activities and the measurement of carbon sequestration, its methodology, interval and frequency and capacity buildings the heart of the project. Only one draft report received by the ICFRE team till date on SLEM best practices. It is not clear to state as what SLEM activities are proposed to be upscaled*

vii. *ICFRE has started the carbon estimation. In reach out workshop, Pachmarhi, it was decided that the ICFRE will proceed in consultation with FSI. A meeting held under the chairmanship of DG ICFRE has resolved the issue. However, baseline carbon data is yet to be examined.*

viii. *Sites shortlisted for carbon flux towers have been communicated to ICFRE. The site may be finalized by ICFRE.*

ix. *It is proposed to to nominate Bansapur nursery as the proposed Van chetna Kendra. ICFRE officials may inspect and point out the additional facilities to be created.*



No.	Component / Activities	Organization	Units	Quantities	Unit cost (RsLakh)	Achievement (Rs. In lakh)
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	Hoshangabad, Sehore, North Betul	JFMCs/BMCs	6		33.38
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	Raisen, Dhar, Jhabua, Badwani, Sendwa, Sheopur, Shivpuri, S.Balaghat, S. Seoni, S.Sagar, S. Panna, Dindori, Umariya, Satna, W. Betul	Division	11		36.71
2.1.1	Upgrading/modernization of select forest nurseries to raise high-quality native species planting material.	R&E Bhopal	Numbers	-		118.09
2.1.1	Upgrading/modernization of select forest nurseries to raise high-quality native species planting material.					
2.1.3	Investments in restoration works on degraded forestlands	North Betul	ha	179		54.95
2.1.3		Hoshangabad	ha	600		166.62
2.1.3		Sehore	ha	300		139.54
2.1.3.8	SUSTAINABLE LAND AND ECOSYSTEM MANAGEMENT IN SELECTED LANDSCAPES	Hoshangabad				21.53
2.2	DEVELOPING COMMUNITY-BASED MODELS FOR SUSTAINABLE UTILIZATION OF NTFP	North Betul		160		2.03
		Hoshangabad		268		5.00
		Sehore		105		1.21
	Project Management cost HQ Bhopal	North Betul				15.28
	GNSS Equipment for Training	Sehore		72		33.05
4.3	SPIU - Madhya Pradesh					17.64
<b>Grand Total</b>						<b>645.03</b>

**ESIP Annual Progress Report 2018-19**

<b>APO 2018-19 Annual Progress Report - Research and Extension Circle Bhopal</b>							
<b>No.</b>	<b>Component / Activities</b>	<b>Physical target</b>		<b>Financial Target</b>		<b>Physical achievement</b>	<b>Financial achievement</b>
		<b>units</b>	<b>quantities</b>	<b>Proposed Amount</b>	<b>Amount as per APO (Rs. Lakh)</b>	<b>Units</b>	<b>Financial (Rs. Lakh)</b>
<b>2.1.1</b>	<b>Upgrading/modernization of select forest nurseries to raise high-quality native species planting material.</b>						
2.1.1.a	Procurment and establishment of green house	Numbers	1	150.00	5.13	1	5.12
2.1.1.b	Procurment and establishment of poly houses	Numbers			10.55	1	10.54
2.1.1.c	Procurment of root trainers	Numbers	100000		20.00	100000	19.99
2.1.1.d	Irrigation facility bore well pump, pipe etc	Numbers	1			1	3.98
2.1.1.e	Sprinkler set	Numbers	250		5.00	800	4.38
2.1.1.f	Mist Chamber	Numbers	1			-	-
2.1.1.g	Vermi Compost Unit	Numbers	1		8.00	2	7.97
2.1.1.h	Seed Store	Numbers				-	-
2.1.1.i	Solar Plant for irrigation 7.5 KW	Numbers	1		9.00	2	8.97
2.1.1.j	CC Bed	Numbers	100		26.97	200	26.96
2.1.1.k	Overhead Tank	Numbers				-	-
2.1.1.l	Fencing	length				-	-
2.1.1.m	Seed treatment platform	Numbers	1		4.98	1	4.97
2.1.1.n	Inner Road of Nursery	Numbers	500			-	-
2.1.1.o	Labour hut	Numbers			4.00	4	3.99
2.1.1.p	Toilet for labour	Numbers	1		2.00	2	1.99
2.1.1.q	Customer/Visitor facilities center	Numbers				-	-
2.1.1.r	Drinking water with RO	Numbers			1.00	1	0.99
2.1.1.s	Solar Light	Numbers	4			-	-
2.1.1.t	Other expenditure	LS			22.70	-	18.16
	<b>Total</b>				<b>119.33</b>		<b>118.09</b>

**ESIP Annual Progress Report 2018-19**

<b>APO (2018-19) Annual Progress Report Name of Forest Division - Hoshangabad</b>							
No.	Component / Activities	Target			Achievement		remark
		Physical		Financial	Physical (ha)	Financial (Rs. Lakh)	
		units	quantities	Amount as per APO (Rs. Lakh)			
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices						
1.6.1	Workshop		53	15.50	2188	4.35	workshop training conducted in 08 villages, attended by 1964 JFMC members & Other 224 member
						3.00	workshop training conducted in range--04 attended by - 754 JFMC members-114 FD personnel topic
1.6.2	State level Workshop		8	8.00	72	8.38	workshop training conducted State level attended by 72 JFMC members-15-FD personnel topic
1.6.3	documentation and publicity material	LS		3.00		2.73	
1.6.4	field visit of JFMC members and field staff to study suatainbale land mangement practices in Dundishikhar VFC of West Chhindwara division	Numbers	5	15.00		0.15	
	<b>Total</b>			<b>41.50</b>		<b>18.61</b>	
2.1.3	Investments in restoration works on degraded forestlands	ha					
2.1.3.1	Site Selection and survey, soil testing		600	1.00	600 Ha	146.52	
2.1.3.2	Fencing		19937	84.30			
2.1.3.3	Site preparation		600	190.07			
2.1.3.4	Preparation of planing material		180000	18.00			
2.1.3.5	Soil Moisture Conservation works		0	17.88			
2.1.3.6	Vermicomposting units		100	20.00		20.40	
	<b>Total</b>			<b>331.00</b>		<b>166.92</b>	

**ESIP Annual Progress Report 2018-19**

<b>APO (2018-19) Annual Progress Report Name of Forest Division - Hoshangabad</b>							
No.	Component / Activities	Target			Achievement		remark
		Physical		Financial	Physical (ha)	Financial (Rs. Lakh)	
		units	quantities	Amount as per APO (Rs. Lakh)			
2.1.3.8	<b>SUSTAINABLE LAND AND ECOSYSTEM MANAGEMENT IN SELECTED LANDSCAPES</b>						
3.1	<b>Soil Moisture Conservation works outside forest area</b>						
	<b>A) Pond Deepning</b>	Numbers	3	10.00		8.52	
	<b>B) Well Repair</b>	Numbers	3	5.00		2.37	
	<b>C) Solar Water Pump</b>	Numbers	3	15.00		0	
	<b>Total</b>			<b>30.00</b>		<b>10.89</b>	
3.2	<b>Skill Development and employment Generation Activities</b>						
	<b>A) Traning Tailoring for Women with material vellegers</b>	Numbers	80	6.80		7.35	
	<b>B) Computer Training for Student</b>	Numbers	60	3.00		0	
	<b>C) Honey Collection Traning with material</b>	Family	23	6.75		1.42	
	<b>D) Poularty farming Traning with material/Shed</b>	Family	2	5.00		0	
	<b>E) Dairy Farm Traning with material/Shed</b>	Family	2	5.00		0	
	<b>F) Mashroom Production Traning with material</b>	Numbers	52	1.38		1.87	
	<b>Total</b>			<b>27.93</b>		<b>10.64</b>	
4	<b>DEVELOPING COMMUNITY-BASED MODELS FOR SUSTAINABLE UTILLIZATION OF NTFP</b>						
4.1	<b>Mahua collection &amp; value addition</b>	family	100	10.00		3.00	
4.2	<b>Other MFP Collection &amp; value addition</b>		50	5.00		2.00	
	<b>Total</b>			<b>15.00</b>		<b>5.00</b>	
	<b>Grant Total</b>			<b>445.43</b>		<b>212.06</b>	

**ESIP Annual Progress Report 2018-19**

<b>APO (2018-19) Annual Progress Report Name of Forest Division- North Betul</b>							
No.	Component / Activities	Target			achievement		remark
		Physical		Financial	Physical (ha)	Financial (Rs. Lakh)	
		units	quantities	Amount as per APO (Rs. Lakh)			
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices						
1.6.1	Village level awareness workshop for ESIP	villages level workshop	8	2.00	11	1.39	11 workshop/training conducted in 08 villages, attend by 1975 JFMC members. The ESIP Project information dissemination, community involvement, livelihoods.
1.6.2	Range level workshop for villagers and range staff	range level workshop	1	0.50	3	0.23	03 workshops conducted in range Bhaura, attended by 151 JFMC member and FD personnel topic. Obj-Field staff orientation beneficiary selection for livelihood activities, ESIP implementation and converging existing schemes in project areas.
1.6.3	division level workshop for officers, line departments, JFMC members and field staff	Divison level workshop	1	1.00	1	1.00	1 workshops training conducted division level, attended by 48 personnel Obj- ESIP progress assessment.
1.6.4	documentation and publicity material	Divison	1	2.00	1	0.73	
1.6.5	field visit of JFMC members and field staff to study suatainbale land mangement practices in Dundishikhar VFC of West Chhindwara division	Divison	1	4.00	1	0.72	
	<b>Total</b>			<b>9.50</b>		<b>4.07</b>	
<b>2.1.3</b>	<b>Investments in restoration works on degraded forestlands</b>		<b>179</b>	<b>241.28</b>	<b>179</b>	<b>54.95</b>	
4	DEVELOPING COMMUNITY-BASED MODELS FOR SUSTAINABLE UTILIZATION OF NTFP						
4.1	Mahua collection & value addition	family	372	40.00	0	0.00	
4.2	Apiculture	Numbers	40	5.52	0	0.00	
4.3	Skill Development	Numbers	160	7.00	160	2.03	
	<b>Total</b>			<b>52.52</b>		<b>2.03</b>	
	<b>Project Management cost HQ Bhopal</b>			<b>0.00</b>		<b>15.28</b>	
	<b>Grant Total</b>			<b>303.30</b>		<b>76.33</b>	

ESIP Annual Progress Report 2018-19

APO (2018-19) Annual Progress Report Name of Forest Division- Sehore							
No.	Component / Activities	Target			Achievement		remark
		Physical		Financial	Physical (ha)	Financial (Rs. Lakh)	
		units	quantities	Amount as per APO (Rs. Lakh)			
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices						
1.6.1	Village level awareness workshop for ESIP	villages level workshop	8	2.40	8	2.40	workshops training conducted in 8 villages, attended by 1400 JFMC members.
1.6.2	Range level workshop for villagers and range staff	range level workshop	2	1.50	2	1.50	workshops training conducted in range budhni, attended by -79 JFMC members,74 FD personnel topic <b>importance of ecosystem services and opportunity of livelihood</b>
1.6.3	division level workshop for officers, line departments, JFMC members and field staff	Divison level workshop	2	1.69	2	1.69	workshops training conducted division level, attended by 0 JFMC members, 25 FD personnel topic <b>Convergence of all govt. Scheme in project area</b>
1.6.4	documentation and publicity material	Divison level workshop	1	1.88	1	1.88	
1.6.5	field visit of JFMC members and field staff to study suatainbale land mangement practices in Dundishikhar VFC of West Chhindwara division	Divison	8	3.23	8	3.23	
	<b>Total</b>			<b>10.70</b>	<b>21</b>	<b>10.70</b>	
2.1.3	Investments in restoration works on degraded forestlands						
2.1.3.1	Site Slection and survey	ha	300	0.34	300	0.25	
2.1.3.2	fencing	rmt	36000	195.00	36000	43.29	
2.1.3.3	site preparation	ha	300	76.71	300	48.77	
2.1.3.4	Soil Moisture Consevation work	ha	625	50.00	300	47.23	
2.1.3.5	Vermicomposting units	Numbers	80	18.00	0	0.00	
	<b>Total</b>			<b>340.05</b>	<b>36900</b>	<b>139.54</b>	
4	<b>DEVELOPING COMMUNITY-BASED MODELS FOR SUSTAINABLE UTILLIZATION OF NTFP</b>						
4.1	Mahua collection & value addition/Dauna Pattal Mainfacturein	Faimly	400	9.00	0	0	
4.2	Skill Development Training	Numbers	105	1.21	105	1.21	
	<b>Total</b>			<b>10.21</b>	<b>105</b>	<b>1.21</b>	
	Others						
	GNSS Equipment for Training	Numbers		33.05	72	33.05	
	<b>Total</b>			<b>33.05</b>			
	<b>Grant Total</b>			<b>394.01</b>		<b>184.50</b>	

**ESIP Annual Progress Report 2018-19**

No.	Component / Activities	Organization	Target				Achievement	remark
			Physical		Financial		Financial (Rs. Lakh)	
			units	quantities	unit cost (RsLakh)	sanctioned amount (Rs Lakh)		
4.3	<b>SPIU - Madhya Pradesh</b>							
4.3.1	Forestry / Ecosystems Service Specialist	SPIU-MP	Number	1	8.00	8.00	1.34	
4.3.2	Database & GIS Expert	SPIU-MP	Number	1	6.00	6.00	3.16	
4.3.3	Social Development / Community Mobilization Specialist	SPIU-MP	Number	1	6.00	6.00		
4.3.4	Procurement Consultant	SPIU-MP	Number	1	6.00	6.00	3.13	
4.3.5	Financial Management Consultant	SPIU-MP	Number	1	6.00	6.00		
4.3.6	Accountant		Number	1	4.00	4.00		
4.3.7	Typist		Number	1	2.40	2.40		
4.3.8	Drivers		Number	2	1.20	2.40		
4.3.9	Orderly		Number	4	1.08	4.32	4.26	
4.3.10	Store Keeper		Number	1	4.00	4.00		
4.3.11	Information Brochure along with Information Education and Communication (IEC) Strategy for Implementation of ESIP.					22.00	0.078	
4.2.8	<b>Project Management Expenses</b>						3.34	
4.2.8a	Laptop		Number	2	0.50	1.00		
4.2.8b	Computer System		Number	1	1.25	1.25	1.72	
4.2.8c	Commercial office Maintenance		Number	1	16.00	16.00		
4.2.8d	Vehicle POL		Number	2	0.50	1.00		
4.2.8e	Scanner		Number	2	0.15	0.30		
4.2.8f	UPS		Number	4	0.04	0.16		
4.2.8g	Rent of Vehicle		Number	1	4.50	4.50	0.62	
	<b>Total</b>					<b>95.33</b>	<b>17.648</b>	

No.	Component / Activities	Organization	Target				Allotted amount (Rs Lakh)	achievement		remark
			Physical		Financial			Physical	Financial	
			units	quantities	unit cost (RsLakh)	sanctioned amount (Rs Lakh)				
1	Strengthening Capacity and Skills of Government Institutions for Effective Delivery of Forestry and Land Management Programs Staff & JFMC Capacity-Building								GNSS handsets prcured . Training will be given 2019-20	
1.1	Staff training in use of GIS systems	APCCF IT of MP Forest department	Numbers	18	2.083	37.5	0			



**ESIP Annual Progress Report 2018-19**

No.	Component / Activities	Hoshangabad					North Betul					Sehore							
		Target			Achievement		remark	Target			Achievement		remark	Target			Achievement		remark
		Physical		Financial	Physical (ha)	Financial (Rs. Lakh)		Physical		Financial	Physical (ha)	Financial (Rs. Lakh)		Physical		Financial	Physical (ha)	Financial (Rs. Lakh)	
		units	quantities	Amount as per APO (Rs. Lakh)				units	quantities	Amount as per APO (Rs. Lakh)				units	quantities	Amount as per APO (Rs. Lakh)			
3.2	Skill Development and employment Generation Activities																		
	A) Traning Tailoring for Women with material vellegers	Numbers	80	6.80		7.35													
	B) Computer Training for Student	Numbers	60	3.00		0													
	C) Honey Collection Traning with material	Family	23	6.75		1.42													
	D) Poularty farming Traning with material/Shed	Family	2	5.00		0													
	E) Dairy Farm Traning with material/Shed	Family	2	5.00		0													
	F) Mashroom Production Traning with material	Numbers	52	1.38		1.87													
	Total			27.93		10.64													
4	DEVELOPING COMMUNITY-BASED MODELS FOR SUSTAINABLE UTILLIZATION OF NTFP																		
4.1	Mahua collection & value addition	family	100	10.00		3.00		family	372	40.00	0	0.00		Faimly	400	9.0	0	0	
4.2	Apiculture							Numbers	40	5.52	0	0.00							
4.3	Skill Development							Numbers	160	7.00	160	2.03		Numbers	105	1.21	105	1.21	
4.4	Other MFP Collection & value addition		50	5.00		2.00													
	Total			15.00		5.00			52.52		2.03				10.21		105	1.21	
	Project Management cost HQ Bhopal								0.00		15.28								
	Other																		
	GNSS Equipment for Training												Numbers		33.05		72	33.05	
	Grant Total			445.68		212.06			62.02		76.33				394.01			184.50	

**ESIP Annual Progress Report 2018-19**

No.	Component / Activities	Name of Division	Target				achievement		remark
			Physical		Financial		Physical (ha)	Financial (Rs. Lakh)	
			units	quantities	unit cost (RsLakh)	Amount as per APO (Rs. Lakh)			
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	Raisen		1	3.00	3.00	1	3.00	
		Dhar		1	3.00	3.00		0.00	
		Jhabua		1	3.00	3.00		0.00	
		Badwani		1	3.00	3.00	1	3.00	Members of JFMCs 30 & 3 Samiti were taken to exposure visit
		Sendwa		1	3.00	3.00		3.00	
		Sheopur		1	3.00	3.00	1	3.00	30 Member of JFMCs kail talai, dhangda, bhemlat, bhela, kalami were taken to exposure visit to udaipur rajeshthan during Month dec., date 18.12.2019 to 20.12.2019 exposure visits of lively hood improvement activities.
		Shivpuri		1	3.00	3.00	1	3.00	
		S. Balaghat		1	3.00	3.00	1	3.00	
		S. Seoni		1	3.00	3.00	1	3.00	
		S. Sagar		1	3.00	3.00	1	3.00	
		S. Panna		1	3.00	3.00	1	0.76	Six members of Range Mohandra's JFMCs have studied and visit the forestry and other work in forest Division West Chhindwara during 08/03/2019 to 10/03/2019.
		Dindori		1	3.00	3.00	1	3.00	
		Umariya		1	3.00	3.00	1	2.99	30 Members of JFMCs were taken 01 exposure visit during 07.03.2019 to 09.03.2019 samiti Aamadogri, Pathpara & Ghunghunti
		Satna		1	3.00	3.00	1	2.96	Member of JFMCs 250 were taken to exposure visit to Forest Division Sidhi during 2018-19 for Training for Advancement Cultivation. Organic Manure, Water Conservation, Co-Processing and sack Plantation and Sack Plantation Modern Techniques Training.
W. Betul		1	3.00	3.00		3.00			
	<b>Total</b>				<b>45.00</b>	<b>11</b>	<b>36.71</b>		

No.	Component / Activities	Organization	Units	Quantities	Unit cost (RsLakh)	Proposed amount (Rs Lakh)	Remark
1	Strengthening Capacity and Skills of Government Institutions for Effective Delivery of Forestry and Land Management Programs Staff & JFMC Capacity-Building						Details in annexure-a
1.1	Staff training in use of GIS systems	APCCF IT of MP Forest department	Numbers	18	2.08	37.50	
1.1.1	Training and protocol development for biodiversity measurements in select locations for preparing biodiversity management plans, especially in corridors ( Remote Sensing & GIS Software )	SPIU				40.00	
1.3	Training and protocol development for biodiversity measurements in select locations for preparing biodiversity management plans, especially in corridors	SPIU & Forest Division		1	52	89.50	Details in annexure-b
1.5	Support for strengthening JFMCs on Biodiversity Management as per NBA	JFM	JFMCs/BMCs				
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	JFM	JFMCs/BMCs			129.60	
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	Raisen, Dhar, Jhabua, Badwani, Sendwa, Sheopur, Shivpuri, S.Balaghat, S. Seoni, S.Sagar, S. Panna, Dindori, Umariya, Satna, W. Betul	Division	15	3.00	90.00	Details in annexure-c
	<b>NTFP Capacity-Building</b>						
1.11A	Developing sustainable use frameworks for NTFP and train local frontline staff, JFMCs etc in applying NTFP framework	SPIU Consultancy		1	52	52.00	
1.11B	Training of local frontline staff, JFMCs, user groups and SHGs in applying NTFP frameworks						
2	Improving Forest Quality and Productivity						
2.1	Enhancing and restoring carbon stocks in forestlands And Restoring 600 ha of forest land in the three milli-watersheds and upgrading 3 nurseries						
2.1.1	Upgrading/modernization of select forest nurseries to raise high-quality native species planting material.	R&E Bhopal	Numbers			109.50	Details in annexure-d
2.1.1	Upgrading/modernization of select forest nurseries to raise high-quality native species planting material.						
2.1.3	Investments in restoration works on degraded forestlands	North Betul	ha	579		225.40	Details in annexure-e
2.1.3		Hoshangabad	ha	600		428.60	
2.1.3		Sehore	ha	350		402.62	
2.1.3.9	INNOVATIVE PLANTATION PILOTS	North Betul	Ha				
2.2	DEVELOPING COMMUNITY-BASED MODELS FOR SUSTAINABLE UTILIZATION OF NTFP						
2.2.1	Apiculture	North Betul	Numbers	40		5.52	
2.2.2	Incense stick making Training and Manufacturing		Numbers	40		10.00	
2.2.3	01 Vehicle on rent		Numbers			4.00	
2.2.4	Offie Expenses	Hoshangabad	Numbers			3.00	
2.2.5	Promotion of Sericulture/Horticulture		Family	10		3.00	
2.2.6	Support for livelihood Activities	Sehore	Numbers	30		20.00	
2.3.3	Support for creating at least two community reserves	JFM	Numbers	3	2	6.00	
4.3	SPIU - Madhya Pradesh			81		188.90	Details in annexure-f
Grand Total						1845.14	

**Proposed APO for ESIP (2019-20)**

No.	Component / Activities	North Betul, Miliwatershed 5D5A2h				Hoshangabad, Miliwatershed 5D3D6k				Sehore, Miliwatershed 5D4A1b				Project Total				
		Units	Quantities	Unit Cost (Rs.Lakh)	Amount (Rs.Lakh)	Remark	Units	Quantities	Unit Cost (Rs.Lakh)	Amount (Rs.Lakh)	Units	Quantities	Unit Cost (Rs.Lakh)	Amount (Rs.Lakh)	Units	Quantities	Unit cost (Rs.Lakh)	Amount (Rs.Lakh)
<b>1.6</b>	<b>Support for exposure visits for frontline staff/JFMCs for improving management practices</b>				<b>36.30</b>				<b>32</b>				<b>61.30</b>					<b>129.60</b>
1.6.1	Village level awareness workshop for ESIP	Villages	8	0.25	2.00	Bhauradhana, Banhabehda, Kachar, kuppa, koalbuddi, Koylari, Tetar and Handipani from Bhoura range of North Betul Division.	Villages	40	0.10	4.00	Villages	8	0.60	4.80	Villages	56	0.95	10.80
1.6.2	Range level workshop for villagers and range staff	Range	1	0.50	0.50	Bhoura Range, North Betul Division	Range	6	0.50	3.00	Range	4	1.00	4.00	Range	11	2	7.50
1.6.3	Division level workshop for officers, line departments, JFMC members and field staff	Division	1	1.00	1.00	North Betul (T)	Division	2	1.00	2.00	Division	3	1.33	4.00	Division	6	3.33333333	7.00
1.6.4	Documentation and publicity material	Division	1	3.00	3.00	North Betul (T)	Division	LS	LS	2.00	Division	1	5.00	5.00	Division	2	8.00	10.00
1.6.5	Field visit of JFMC members and field staff to study sustainable land management practices in different areas of India (Dundishikhar VFC of West Chhindwara division)	Range	1	3.00	3.00	Members form 8 JFMCs and field and Staff from north Betul Division and line departments of Betul District	Division	5.00	3.00	15.00	Division	2	3.00	6.00	Range	8	9	24.00
1.6.6	Skill development training for youth	Villages	1	12.00	12.00	Bhauradhana, Banhabehda, Kachar, kuppa, koyalbuddi, Koylari, Tetar and Handipani Villages to supplement Income of SHGs	Villages				Villages	8	2.00	16.00	Villages	9	14	28.00
1.6.7	Esip project coordinator	Division	1	6.00	6.00	North Betul (T)	Division	1	6.00	6.00	Division	1	6.00	6.00	Division	3	18	18.00
1.6.8	Office expenses (Laptop/Computer/Stationary etc.)	Division	1	4.00	4.00	North Betul (T)	Division				Division	1	7.00	7.00	Division	2	4	11.00
1.6.9	Vehicle on rent (for range Office)	Range	1	4.80	4.80	Bhoura Range (T)	Range				Range	1	4.80	4.80	Range	2	4.8	9.60
1.6.10	Computer operator											1	1.20					
1.6.11	Khatpura community hall repair											1	2.50					
<b>2.1</b>	<b>Enhancing and Restoring carbon stocks in forestlands</b>														0	0	0.00	
	<b>Investment in restoration works on degraded forestlands</b>				<b>225.39</b>				<b>428.56</b>				<b>402.62</b>				<b>1056.57</b>	
2.1.1	Site Selection and survey Soil testing	ha	400	0.00	1.40		ha	600	0.00	1.00	ha	50.00	0.00	0.06	ha	1050	0.01	2.46
2.1.2	Fencing	Mtr	16800	0.00	60.00		mtr	19937	0.00	95.00	mtr	4000.00	0.01	24.00	mtr	40737	0.01	179.00
2.1.3	Site preparation	Ha	350	0.07	24.50		ha	600	0.33	200.00	ha	50.00	0.30	15.00	ha	1000	0.70	239.50
	Site preparation for Plantation	Ha	50	0.42	21.00	Kuppa, Kachchar and Koyalbuddi	ha				ha	-			ha		0.42	21.00
2.1.4	Preparation of planting material	Number	145160	0.00	17.50		Number	175600	0.00	17.56	Number	-			Number		0.00	35.06
2.1.5	Planting work	Ha	179	0.17	31.00		ha	150	0.60	90.00	ha	350.00	0.40	138.56	ha	679	1.17	259.56
2.1.6	Protection and Maintenance	Ha	179	0.02	4.39		ha		0.00	ha	-			ha		0.02	4.39	
2.1.7	Soil Moisture Conservation works	Ha	400	0.10	40.00		ha	600	0.04	25.00	ha	300.00		200.00	ha	1300	0.14	265.00
2.1.8	Vermicomposting units	Number	80	0.25	20.00	Villagers Bhauradhana,	Number				Village	80.00		20.00	Number		0.25	40.00
2.1.9	Jeevamrut Units	Number	80	0.03	2.40	Banhabehda, Kachar Kuppa,	Number				Number	-			Number		0.03	2.40
2.1.10	Bio pesticides/Insecticide Unit/Bio Decomposer	Number	80	0.04	3.20	Koyalbuddi, Koylari, Tetar and	Number				Family	50.00		5.00	Number		0.04	8.20
<b>2.4</b>	<b>DEVELOPING COMMUNITY-BASED MODELS FOR SUSTAINABLE UTILIZATION OF NTFP</b>				<b>15.52</b>					<b>7</b>			<b>23.00</b>				<b>45.52</b>	
2.2.1	Mahua collection & value addition/ Duna pattal Manufacturing/ Promotion of Sericulture/Horticulture										Family	10	3.00		10	0	3.00	
2.2.2	Mushroom Cultivation/Livelihood Activities										Number	30	20.00		30	0	20.00	
2.2.3	Dona Pattal (Palash leaf collection and value addition)														0	0	0.00	
2.2.4	Apiculture	Number	40	0.14	5.52	Bhauradhana, Banhabehda, Kachar Kuppa, Koyalbuddi, Koylari, Tetar and Handipani villages To supplement income of SHGs									40	0.138	5.52	
2.2.5	Incense Stick Making Training and Manufacturing	Number	40	0.25	10										40	0.25	10.00	
2.2.6	Project Management Expenses														0	0	0.00	
2.2.7	One Vehicle on rent						0	4.00		1	12	0.00			12	0	4.00	
	3 Office Exp.							3.00							0	0	3.00	
2.2.9	Office Management - Furniture, Computer Digital Camera, Projector, Solar Power Panel														0	0	0.00	
2.2.10	Renovation of Community Hall at Khatpura Range Budhni														0	0	0.00	
	Capacity Building														0	0	0.00	
<b>Grant Total</b>					<b>277.21</b>				<b>467.56</b>				<b>486.92</b>				<b>1231.69</b>	

Geo Location Betul		
Compartment	longitude/Latitude	Area in ha
RF 181	22°14'15"N, 77°46'22"E	150
RF 134	22°15'01"N, 77°45'04"E	100
RF 127	22°17'04"N, 77°46'33"E	100
RF 391	22°18'48"N, 77°48'38"E	50
RF 389	22°17'46"N, 77°46'22"E	25
RF 391	22°18'45"N, 77°48'21"E	75
RF 131	22°15'49"N, 77°46'34"E	50
PF 400	22°16'17"N, 77°52'36"E	29

Geo location Hoshangabad		
Comptt no	longitude	latitude
PF 32	N22°24'44.39"	N77°39'38.72"
RF 165 RF 166	N22°26'43"	N77°42'52"
RF 04 RF 05	N22°24'44.39"	N77°39'38.72"

Geo location:sehore			
Comptt no	longitude	latitude	Area in ha
651	N 22 52 58.4	E 77 41 46.34	50
652	N 22 53 40	E 77 42 54	30
646	N 22 51 40.86	E 77 44 53.86	30
651	N 22 52 42.33	E 77 42 45	30
661	N 22 49 50.25	E 77 45 1.27	30
647	N 22 51 4.42	E 77 44 14.92	35
648	N 22 51 58.08	E 77 43 37.07	25
654	N 22 53 35.55	E 77 45 46.90	25
650	N 22 51 45.75	E 77 41 16.68	25
645	N 22 52 12.43	E 77 44 16.10	20

No.	Component / Activities	Organization	Units	Quantities	Unit cost (RsLakh)	Proposed amount (Rs Lakh)
1	<b>Strengthening Capacity and Skills of Government Institutions for Effective Delivery of Forestry and Land Management Programs Staff &amp; JFMC Capacity-Building</b>					
1.1	Staff training in use of GIS systems	APCCF IT of MP Forest department	Numbers	18	2.083	37.5

No.	Component / Activities	Organization	Units	Quantities	Unit cost (RsLakh)	Proposed amount (Rs Lakh)
1.3	Training and protocol development for biodiversity measurements in select locations for preparing biodiversity management plans, especially in corridors	SPIU Consultancy		1	52	52.00
1.3.1	Circle level training program: circle level workshop	Forest Division	Circle level workshop	1	1.50	1.50
1.3.2	Training programme for BMCs (Constitution, reconstitution and activation)	Forest Division	Range level workshop	8	0.50	4.00
1.3.3	Training programme for BMCs (Skill development and sustainable ecosystem management and sustainable land management)	Forest Division	Gram panchayat or village level workshop	6	1.25	7.50
1.3.4	Training programme for BMCs (ABS and Documentation)	Forest Division	Gram panchayat or village level	6	1.25	7.50
1.3.5	Exposure visit of BMCs Members (within state)	Forest Division	Visits	4	2.50	10.00
1.3.6	Training and awareness Material Development for no. of BMCs	Forest Division	BMCs	35	0.20	7.00
	<b>Total</b>			<b>61</b>	<b>59.2</b>	<b>89.50</b>

No.	Component / Activities	Organization	Units	Quantities	Unit cost (RsLakh)	Proposed amount (Rs Lakh)
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	Hosangabad (T) Forest Division				32.00
1.6.1	Village level awareness workshop for ESIP		Villages level workshop	40	0.10	4.00
1.6.2	Range level workshop for villagers and range staff		Range level workshop	6	0.50	3.00
1.6.3	Division level workshop for officers, line departments, JFMC members and field staff		Divison level workshop	2	1.00	2.00
1.6.4	Documentation and publicity material		LS			2.00
1.6.5	field visit of JFMC members and field staff to study suatainbale land mangement practices in Dundishikhar VFC of West Chhindwara division		Divison	5	3.00	15.00
1.6.6	ESIP Project coordinator		Division	1	6.00	6.00
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	Sehore (T) Forest Division		14.00		61.30
1.6.1	Village level awareness workshop for ESIP		Villages level workshop	4		4.80
1.6.2	Range level workshop for villagers and range staff		Range level workshop	4		4.00
1.6.3	division level workshop for officers, line departments, JFMC members and field staff		Divison level workshop	3		4.00
1.6.4	documentation and publicity material		Divison level workshop	1		5.00
1.6.5	Field visit of JFMC members and field staff to study suatainbale land mangement practices in Dundishikhar VFC of West Chhindwara division		Divison	2		6.00
1.6.6	Skill Development taining		Village	8		16.00
1.6.7	ESIP Project coordinator		Division	1		6.00
1.6.8	Office Expences(Laptop, Computer, Stationary, Chair, Table, Projector, Sound System)		Division	1		7.00
1.6.9	Computer Operator		Division	1		1.20
1.6.10	Vehicle for Rent		Range	1		4.80
1.6.11	Khatpura community hall repair	Range	1		2.50	

No.	Component / Activities	Organization	Units	Quantities	Unit cost (RsLakh)	Proposed amount (Rs Lakh)
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	North Betul (T) Forest Divison		12.00		36.30
1.6.1	Village level awareness workshop for ESIP		Villages level workshop	8	0.25	2.00
1.6.2	Range level workshop for villagers and range staff		Range level workshop	1	0.5	0.50
1.6.3	division level workshop for officers, line departments, JFMC members and field staff		Divison level workshop	1	1	1.00
1.6.4	documentation and publicity material		Divison	1	3	3.00
1.6.5	field visit of JFMC members and field staff to study suatainbale land mangement practices in Dundishikhar VFC of West Chhindwara division		Divison	1	3	3.00
1.6.6	Skill Development taining for youth		Villages	1	12	12.00
1.6.7	ESIP Project coordinator		Divison	1	6	6.00
1.6.8	Office expenses (Laptop/computer/Stationary etc.)		Divison	1	4	4.00
1.6.9	Velicle on rent (For range Officer)		Range	1	4.8	4.80
<b>Total</b>						<b>129.60</b>
1.6	Support for exposure visits for frontline staff/JFMCs for improving management practices	Raisen, Dhar, Jhabua, Badwani, Sendwa, Sheopur, Shivpuri, S.Balaghat, S. Seoni, S.Sagar, S. Panna, Dindori, Umariya, Satna, W. Betul	Division	15	6.00	90.00
<b>Grand Total</b>						<b>219.60</b>

NO.	Component/Activities	Agency	Carry over activities of 2018-19				Activities of 2019-20		Grant Total
			Unit	Quantities	Unit Cost	Expenditure	Unit Cost	Expenditure	Expenditure
					Rs. Lakh	Rs. Lakh	Rs. Lakh	Rs. Lakh	Rs. Lakh
1	Irrigation facility bore well pump, Pipe etc.	R&E Circle Bhopal	Number	2	2	4.00			4.00
2	Mist Chamber		Number	1	10	10.00			10.00
3	Seed Store		Number	1	10	10.00			10.00
4	Customer/Visitor facilities center		Number	1	10	10.00			10.00
5	Overhead Tank		Number	1	5	5.00			5.00
6	Fencing		RMTR	500	0.01	5.00			5.00
7	Inner Road of Nursery		Mtr	500	0.005	2.50			2.50
8	Sprinkler set for 200 bed		Number	800	-		0.25	5.00	5.00
9	C.C. Bed		Number	200	-		0.15	30.00	30.00
10	Inner Road of Nursery		Mtr	500	-		0.01	2.50	2.50
11	Solar light		Number	8 nos	-		0.25	2.00	2.00
12	Cocopit Plant		Number	1 nos	-		1.00	1.00	1.00
13	C C TV Computer Laptop Camera		Number	1 nos	-		2.50	2.50	2.50
14	Signage for nursery work and extension work			-			1.00	5.00	5.00
15	Furniture for costumer Visititer Center			-			1.00	1.00	1.00
16	Soil Testing machine with installation							4.00	4.00
17	Soil Testing Kits							1.00	1.00
18	Shade for Soil Testing machine							4.00	4.00
19	Training Programe for Staff							5.00	5.00
			<b>Total</b>			<b>46.50</b>		<b>63.00</b>	<b>109.50</b>

North Betul Division					
Investment in restoration works on degraded forestlands					
	Component / Activities	Units	Quantities	Unit Cost (Rs.Lakh)	Amount (Rs.Lakh)
2.1.1	Site Selection and survey Soil testing	ha	400	0.00	1.40
2.1.2	Fencing	Mtr	16800	0.00	60.00
2.1.3	Site preparation	Ha	350	0.07	24.50
	Site preparation for Plantation	Ha	50	0.42	21.00
2.1.4	Preparation of planting material	Number	145160	0.00	17.50
2.1.5	Planting work	Ha	179	0.17	31.00
2.1.6	Protection and Maintenance	Ha	179	0.02	4.39
2.1.7	Soil Moisture Conservation works	Ha	400	0.10	40.00
2.1.8	Vermicomposting units	Number	80	0.25	20.00
2.1.9	Jeevamrut Units	Number	80	0.03	2.40
2.1.10	Bio pestisitde/Insectiside Unit/Bio Decomposer	Number	80	0.04	3.20
<b>Total</b>					<b>225.39</b>

Hoshangabad Division					
Investment in restoration works on degraded forestlands					
	Component / Activities	Units	Quantities	Unit Cost (Rs.Lakh)	Amount (Rs.Lakh)
2.1.1	Site Selection and survey Soil testing	ha	600	0.00	1.00
2.1.2	Fencing	mtr	19937	0.00	95.00
2.1.3	Site preparation	ha	600	0.33	200.00
	Site preparation for Plantation	ha			
2.1.4	Preparation of planting material	Number	175600	0.00	17.56
2.1.5	Planting work	ha	150	0.60	90.00
2.1.6	Protection and Maintenance	ha			0.00
2.1.7	Soil Moisture Conservation works	ha	600	0.04	25.00
2.1.8	Vermicomposting units	Number			
2.1.9	Jeevamrut Units	Number			
2.1.10	Bio pestisitde/Insectiside Unit/Bio Decomposer	Number			
<b>Total</b>					<b>428.56</b>

Sehore Division					
Investment in restoration works on degraded forestlands					
	Component / Activities	Units	Quantities	Unit Cost (Rs.Lakh)	Amount (Rs.Lakh)
2.1.1	Site Selection and survey Soil testing	ha	50.00	0.00	0.06
2.1.2	Fencing	mtr	4000.00	0.01	24.00
2.1.3	Site preparation	ha	50.00	0.30	15.00
	Site preparation for Plantation	ha	-		
2.1.4	Preparation of planting material	Number	-		
2.1.5	Planting work	ha	350.00	0.40	138.56
2.1.6	Protection and Maintenance	ha	-		
2.1.7	Soil Moisture Conservation works	ha	300.00		200.00
2.1.8	Vermicomposting units	Village	80.00		20.00
2.1.9	Jeevamrut Units	Number	-		
2.1.10	Bio pestisitde/Insectiside Unit/Bio Decomposer	Family	50.00		5.00
<b>Total</b>					<b>402.62</b>

Proposed APO for ESIP 2019-20

Annexure-f

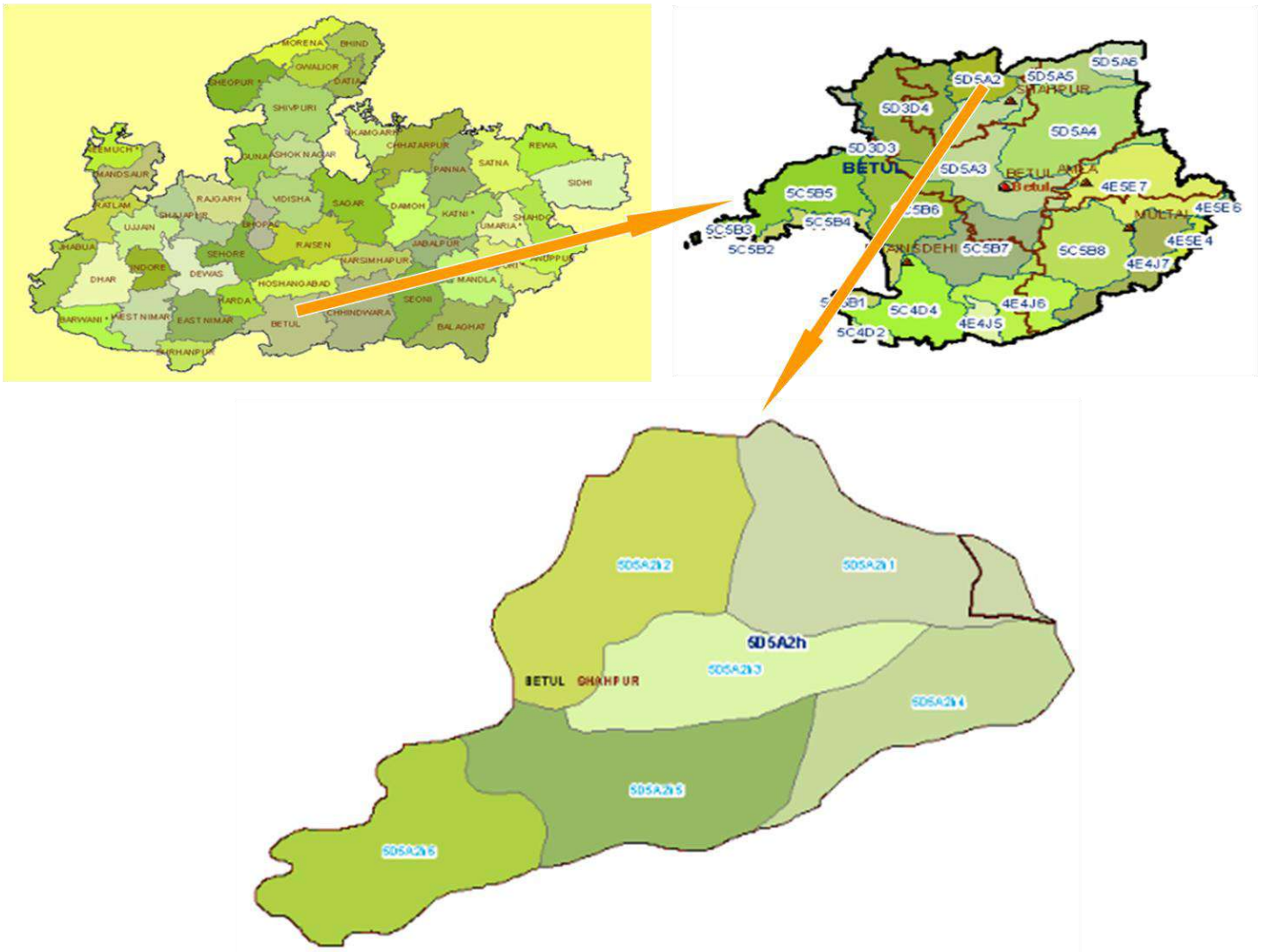
No.	Component / Activities	Units	Quantities	Unit Cost (Rs.Lakh)	Amount (Rs.Lakh)	Remark
<b>4.3</b>	<b>SPIU - M.P.</b>				<b>188.90</b>	
4.3.1	Database & GIS Expert	Number	1	6.60	6.60	
4.3.2	Knowledge Management & Forestry/Ecosystem Services Specialist	Number	1	7.80	7.80	
4.3.3	Social Development / Community Mobilization Specialist	Number	1	9.00	9.00	
4.3.4	Procurement & Financial Management Consultant	Number	1	16.00	16.00	
4.3.5	Computer Operator	Number	1	2.00	2.00	
4.3.6	Orderly	Number	4	1.20	4.80	
4.3.7	Store Keeper	Number	1	2.40	2.40	
4.3.8	IEC	Number			25.00	
4.3.9	TALLY Training	Number	12	0.50	6.00	
4.3.10	TALLY Software Purchase	Number	21	0.30	6.30	
4.3.11	Commercial office maintenance-Satpura Bhawan Bhopal				52.00	
4.3.12	Exposure visits	Number			20.00	
<b>4.2.8</b>	<b>Project Management Expenses</b>					
(I)	Computer System	Number	2	1.50	3.00	
(II)	Vehicle POL	Number	1	1.00	1.00	
(III)	Rent of Vehicle	Number	2	6.00	12.00	
(IV)	Furniture	Number			10.00	
(V)	Monitoring & Evaluation	Number			5.00	

# A brief Note on works taken up under Ecosystem Services

## Improvement Project during financial year 2017-18 and 2018-19

### North Betul Division

Ecosystem Services Improvement Project has been taken up in 5d5a2h milliwatershed area of North Betul Division. The milliwatershed includes 6 microwatersheds comprising an area of 9500 hectare. The selected area includes 5500 hectare forest area and 4000 hectare of non forest area.



The selected milliwatershed includes eight villages namely Bhauradhana, Kuppa, Kachar, Tetar, Handipani, Banabehda, Koyalbuddi and Koylari. The socioeconomic details of these villages are as under:

S.No.	Village Name	Female population	Male Population	Total Population	No. of Families	Sex Ratio	Literacy Rate
01	Handipani	339	342	681	138	991	31-28
02	Kuppa	447	501	948	196	892	55-17
03	Tetar	238	230	468	97	1090	54-90
04	Koylari	265	278	543	106	953	56-72
05	Banabehda	511	554	1065	229	922	51-92
06	Kachar	738	760	1498	332	971	50-47
07	Bhauradhana	140	148	288	56	946	70.00
08	Koyalbuddi	172	154	326	64	1117	46-63
	<b>Total</b>	<b>2850</b>	<b>2967</b>	<b>5817</b>	<b>1218</b>		

## **An Insight into activities taken up during 2018-19**

### **1. Village level Workshops- Capacity building of Beneficiaries.**

Village level workshops have been conducted in all the eight villages of ESIP area to communicate the objectives of the project to villagers. Various line departments like Horticulture, Rural Development, Animal Husbandary, Fisheries, Agriculture, Health and Forest Department introduced their schemes to the villagers. An awareness was generated on health, education including adult education, deaddiction, environment conservation, organic farming, livelihood opportunities, water conservation, etc. Munga (Drumstick) plants were distributed to LPG beneficiaries and pregnant women and they were told about its nutritious value.





## **2. Capacity building of Forest Officials**

Various workshops at Range level, Division level and State level were organized to strengthen the forest field officials. Besides this, exposure visits to Bamboo and Teak plantations on private land in Harda, City Forest Sagar, High Density plantation and City Forest Ujjain, Rural Self Employment Training Institute (RSETI) Betul were conducted.

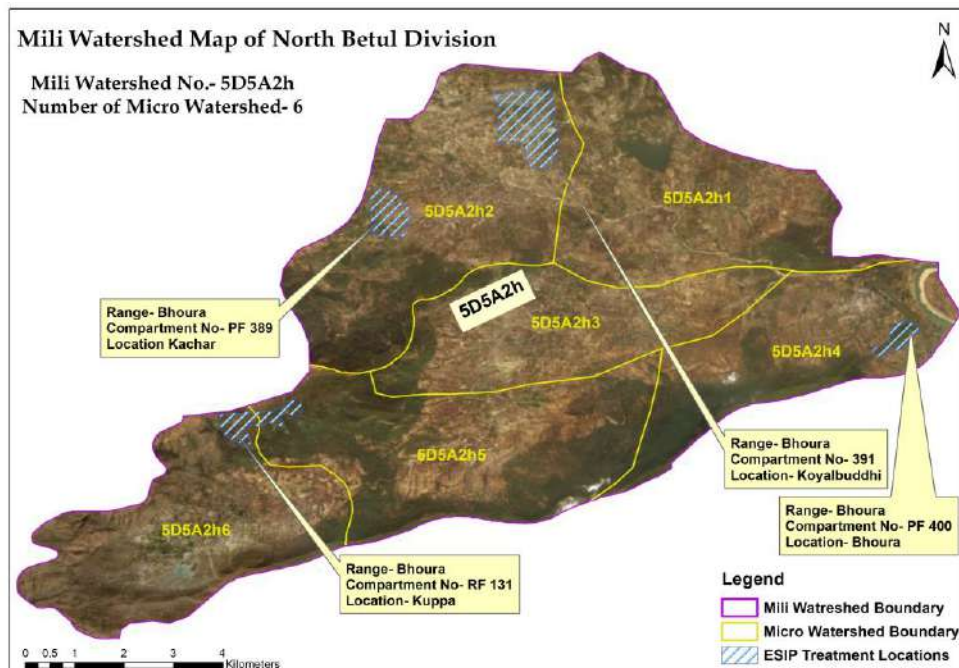
## **3. Carbon Sequestration through plantations and greening degraded Hills.**

To improve the green cover of selected landscape the plantation activity will be taken up at four sites comprising of 179 hectare. Site preparation will be completed during the year 2018-19 and plantation work will be taken up in the year 2019-20.

S. No.	Scheme	Range	Beat	Compartment No.	Area (Ha)	Species	No. of Plants	Project Cost
01	ESIP	Bhaura	Koyalbuddi	PF 391	75	MIxed	75000	1,92,58,474
02			Kachar	PF 389	25	MIxed	25000	55,84,949
03			Kuppa	RF 131	50	Bamboo	20000	55,33,333
04			Bhaura	PF 400	29	MIxed	5800	37,62,109
<b>Total</b>					<b>179</b>		<b>125800</b>	

The demand for the plants have been sent to Research and Extension, Betul Circle as follows -

S. No.	Range	Beat	Compartment No.	Area	Species along with casualty Replacement											
					Teak	Amla	Khamer	Sisso	Bambo	Nee	Siris	Kara	Chiro	Beh	Pelt	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Bhaura	Kachar	PF 389	25	7700	3300	8800	3300	500	1100	1700	0	1100	0	0	27500
		Koyalbuddi	PF 391	75	33000	11000	16500	8800	1100	2200	2200	6700	0	1000	0	82500
		Kuppa	RF 131	50	0	0	0	0	22000	0	0	0	0	0	0	22000
		Bhaura	PF 400	29	1200	0	1200	1200	600	0	0	1800	780	0	180	6960
<b>G Total :-</b>				<b>179</b>	<b>41900</b>	<b>14300</b>	<b>26500</b>	<b>13300</b>	<b>24200</b>	<b>3300</b>	<b>3900</b>	<b>8500</b>	<b>1880</b>	<b>1000</b>	<b>180</b>	<b>138960</b>





Koyalbuddi - PF 391 (75 Ha.)



Kuppa - RF 131 (50 Ha.)



Kachar- PF 389 (25 Ha.)



Bhaura - PF 400 (29 Ha.)

#### 4. Increasing Trees outside Forests- Krishi Vaniki Se Krishak Samridhi Yojna -

Under the 'Krishi Vaniki Se Krishak Samridhi Yojna' of State Government villagers were provided free of cost plants based on their demand.

S. No.	Village	Beneficiaries	No. of plants distributed	Survival Per cent
01	Handipani	25	4000	66.75
02	Koylari	30	5000	46.20
03	Bhauradhana	20	3350	53.98
04	Banabehda	08	2000	40.55
05	Kachar	16	2540	57.88
06	Koyalbuddi	26	5010	37.87
	<b>Total</b>	<b>125</b>	<b>21900</b>	<b>50.08</b>



## 5. Reducing Biotic pressure through convergence of Ujjwala Yojana -

Camps were organised at village level to collect applications for LPG connections under Ujjwala Yojana.

S.No.	Village	Applicants	Connections Distributed
01	Handipani	40	13
02	Kuppa	70	51
03	Tetar	35	18
04	Koylari	34	17
05	Bhauradhana	21	17
06	Banabehda	55	42
07	Kachar	96	24
08	Koyalbuddi	18	07
	<b>Total</b>	<b>369</b>	<b>189</b>



## 6. Health and Hygiene- Health Camps

Two health camps were organized with the help of health department under Deen Dayal Vananchal Sewa Scheme of State Government. Keeping in view the monsoon season, 50 patients were treated in a health camp conducted on 30.06.2018 at a forest village Handipani and 110 patients from four forest villages i.e. Handipani, Kuppa, Bod and Dhar were benefitted in another camp held on 30.07.2018. Females were also made aware about their personal hygiene and health.



## 7. Skill Development and Livelihood

### 7a. Sewing

Initially basic training in sewing was started in September 2018 in all the villages by providing two machines in a village and training them through a local instructor. After the basic training, selected and interested candidates will be given professional training by a non governmental organization ‘ Self Employment Exchange Education Society Seoni’ with a cost of rupees 7500 per beneficiary and 100 per cent placement garranty. The forty days course include sewing and embroidery training. The village wise details are as follow:-

S. No.	Village	No. of sewing machines	No. of Beneficiaries
01	Bhauradhana	02	10
02	Koylari	02	06
03	Handipani	02	13
04	Banabehda	02	16
05	Kachar	02	10
06	Koyalbuddi	02	04
07	kuppa	02	06
08	Tetar	02	10
	<b>Total</b>	<b>16</b>	<b>75</b>

After the basic training, they were given an order to stitch 800 bags for Anubhuti program and they are stitching clothes at local level.



### **7b. Digital Literacy**

Based on the demand of women folk of Bhauradhana village, a computer centre was established and four candidates have been given basic computer handling training. Interested candidates will be sent for a professional course.

### **7c. Skill Development training to unemployed youth**

Counselling sessions were conducted for unemployed youth of all the villages and five boys, one from Handipani village and four from Kuppa village had been sent for masonry/ barbending training at L & T training centre, Hyderabad for three months. After training, they were placed at L& T Construction Heavy Civil Infrastructure, Kudankulam, Tamilnadu at rupees 12200/ per month alongwith free accommodation and medical facility.

Three candidates have been selected for one month Security Guard training course by ' Self Employment Exchange Education Society Seoni' with a cost of rupees 8000 per candidate. Organization will ensure 100 per cent placement.



## 7 d. Establishment of Sanitary Napkin Manufacturing Unit -

A sanitary napkin manufacturing unit has been established in Bhauradhana village to empower women Self Help Group ‘Aranya’ of 12 women. The unit has been recently established and a training has been given to all the 12 members of SHG and local staff. The unit will cater to the demand of local Anganwadi.



## 8. Convergence with Horticulture Department

Under Mango and Orange plantation schemes of Horticulture Department villagers were promoted to take up the plantation activity during monsoon. One villager had opted under Cashew plantation scheme but due to less rainfall on the area, it could not be taken up. The details are as follow:-

No.	Species	Village	No. of Beneficiaries	No. of plants
01	Mango	Kuppa	04	800
02	Orange	Kuppa	03	750
		<b>Total</b>	<b>07</b>	<b>1550</b>



## 9. Pisciculture -

Based on the interest shown in village level workshops, 65000 fish seeds were provided to 41 beneficiaries of six villages. But due to less than 50 per cent precipitation in the monsoon, most of the fish were consumed or locally sold by villagers before time.

S. No.	Village	No. of Beneficiaries	No. of Fish seed
01	Handipanih	16	20000
02	Kuppa	03	16000
03	Tetar	04	9000
04	Bhauradhana	12	5000
05	Banabehda	03	10000
06	Kachar	03	5000
	<b>Total</b>	<b>41</b>	<b>65000</b>



## 10. A small step to Organic Farming -Vermicomposting

To promote organic farming in ESIP villages, eighty vermicompost units were constructed in eight villages.

S. No.	Village	No. of Beneficiaries
01	Handipani	10
02	Kuppa	10
03	Tetar	10
04	Koylari	10
05	Bhauradhana	10
06	Banabehda	10
07	Kachar	10
08	Koyalbuddi	10
	<b>Total</b>	<b>80</b>



## 11. Exposure Visits -

An exposure visit to Bamboo (*Bambusa balcooa*) and teak plantations on private lands in Harda was conducted for a group of 50 villagers and field staff on 20.08.2018. Twenty three beneficiaries were selected from 07 villages but again due to less precipitation in the area, beneficiaries backed out.



Besides this exposure visits to City Forest Sagar, High Density plantation and City Forest Ujjain, Rural Self Employment Training Institute (RSETI) Betul were conducted.

## 12. Soil and Water Conservation -

Soil and water conservation measures will bring a major ecological and economic change in the selected landscape. Efforts are being made to construct water harvesting structures both in forest and non-forest land under ESIP and in convergence with different schemes. Along with this, steps have been taken up to

deepen existing water structures. These structures in forest areas will be very helpful in catering to the water requirement of wildlife in this summer season.



**A brief Note on works taken up under Ecosystem Services Improvement Project  
during Financial Year 2018-19  
Hoshangabad Division**

**Table 1: Ecosystem Services Improvement Project- Activity Progress Details**

S.No	Training Details	Training Resource Organization	Village Name	No. of Participants
1	Sewing / Tailoring	Lakshya Mahila Mandal Hoshangabad	Kesla (Bhumkapura)	10
			Lalpani	19
			Pipariya	62
			Bhatna, Ranjhi	19
			Nayagaon, Pipalgota	40
	<b>Total</b>			<b>179</b>
2	Computer	Lakshya Mahila Mandal Hoshangabad	Kesla (Bhumkapura)	7
			Lalpani	4
			Pipariya	40
			Bhatna, Ranjhi	2
			Nayagaon, Pipalgota	20
	<b>Total</b>			<b>73</b>
3	Mahua Collection	Forest Department	Kesla (Bhumkapura)	62
			Lalpani	33
			Pipariya, Kohda	140
			Bhatna, Ranjhi	36
			Nayagaon, Pipalgota	92
	<b>Total</b>			<b>363</b>
4	Honey Collection	M.P. Con Limited	Lalpani	10
			Pipariya	8
			Bhatna, Ranjhi	20
			Nayagaon, Pipalgota	28
	<b>Total</b>			<b>66</b>
5	Agroforestry	Forest Department	Kesla	9
	<b>Total</b>			<b>9</b>
6	Mushroom Cultivation	Satpura Mushroom Producer Sahakari Samiti	Pipariya	26
			Bhatna, Ranjhi	20
			Pipalgota	52
	<b>Total</b>			<b>98</b>
	<b>Grand Total</b>			<b>788</b>

**Table 2: ESIP Hoshangabad Activity Plant Sapling Nursery Wise Demand Details**

S.No-	Species Details	Under ESIP							Species wise Quantity Details
		Saplings for PF 32	Name of Nursery	No. of Plants for RF 165 & 166	Name of Nursery	No. of Plants for RF 04 & 05	Name of Nursery	Name of Circle	
1	2	3	4	5	6	7	8	9	10
1	Mahua	2500	Khakrapura	2000	Khakrapura	4000	Khakrapura	Betul	8500
2	Bahera	2500	Neempani	2000	Neempani	3500	Neempani	Betul	8000
3	Sagaun	10500	Arogyavati	20000	Khakrapura	30000	Khakrapur	Betul	60500
4	Bamboo	7000	Arogyavati	10000	Dhar/Neempani	20000	Dhar	Betul	37000
5	Amla	4050	Neempani	11000	Neempani	21000	Neempani	Betul	36050
6	Jackfruit	5050	Neempani	0		11000	Neempani	Betul	16050
7	Karanj	3050	Dhar	0		0	0	Betul	3050
8	Sheesham	700	Rajdoh	3500	Kalapatha	5500	Rajdoh	Betul	9700
9	Chirol	0		1500	Khakrapura	0	0	Betul	1500
10	Jamun	0		700	Rajdoh	5500	Rajdoh	Betul	6200
11	Peepal			0		2000	Kalapatha	Betul	2000
12	Ficus	0		0		2000	Kalapatha	Betul	2000
13	Mango	0		0		500	Rajdoh	Betul	500
14	Khamer								0
15	Kachnar								0
	<b>Total</b>	<b>35350</b>		<b>50700</b>		<b>105000</b>			<b>191050</b>
									<b>191050</b>

**Table 3: ESIP Hoshangabad Activity Plant Sapling Nursery Wise Demand Details**

<b><u>S.No</u></b>	<b><u>Component</u></b>	<b><u>Target</u></b>	<b><u>Achieved Progress</u></b>
<b><u>1</u></b>	Site selection and survey, soil testing	<b>600</b>	<b>600</b>
<b><u>2</u></b>	Fencing	<b>19937</b>	<b>19937</b>
<b><u>3</u></b>	Site preparation	<b>600</b>	<b>600</b>
<b><u>4</u></b>	Preparation of planting material	<b>175600</b>	<b>175600</b>
<b><u>5</u></b>	Soil Moisture Conservation Works	<b>600</b>	<b>600</b>
<b><u>6</u></b>	Vermi compost Units	<b>100</b>	<b>100</b>

**ESIP Hoshangabad Activity Inspection Compartment No. RF04 & 05 Village Pipalgota**



**ESIP Hoshangabad Activity Range Level Awareness Workshops 25<sup>th</sup> February 2019**



**ESIP Hoshangabad Geotagged Site Details of Plantation Sites (Preparation Works)**



**ESIP Hoshangabad Geotagged Site Details of Plantation Sites (Preparation Works)**



**ESIP Hoshangabad Geotagged Site Details of Plantation Sites (Preparation Works)**



**ESIP Hoshangabad Geotagged Activity Details of Exposure Visits of Villagers from other Forest Ranges to Forest Village Pipalgota**



**ESIP Hoshangabad Geotagged Activity Details Renovation of Damaged Wells in Forest Village Pipalgota**



**ESIP Hoshangabad Activity Details - Awareness Workshops of Villagers**



Forest Division Hoshangabad  
Range- Sukhtawa MilliwaterShed NO. 5D3D6k  
Computer Training Under ESIP



Forest Division Hoshangabad  
Range-Banapura Milliwatershed NO. 5D3D6k  
Sewing & Tailoring Under ESIP



Forest Division Hoshangabad  
Range- Itarsi  
MilliwaterShed NO. 5D3D6k  
Mushroom Production Under ESIP

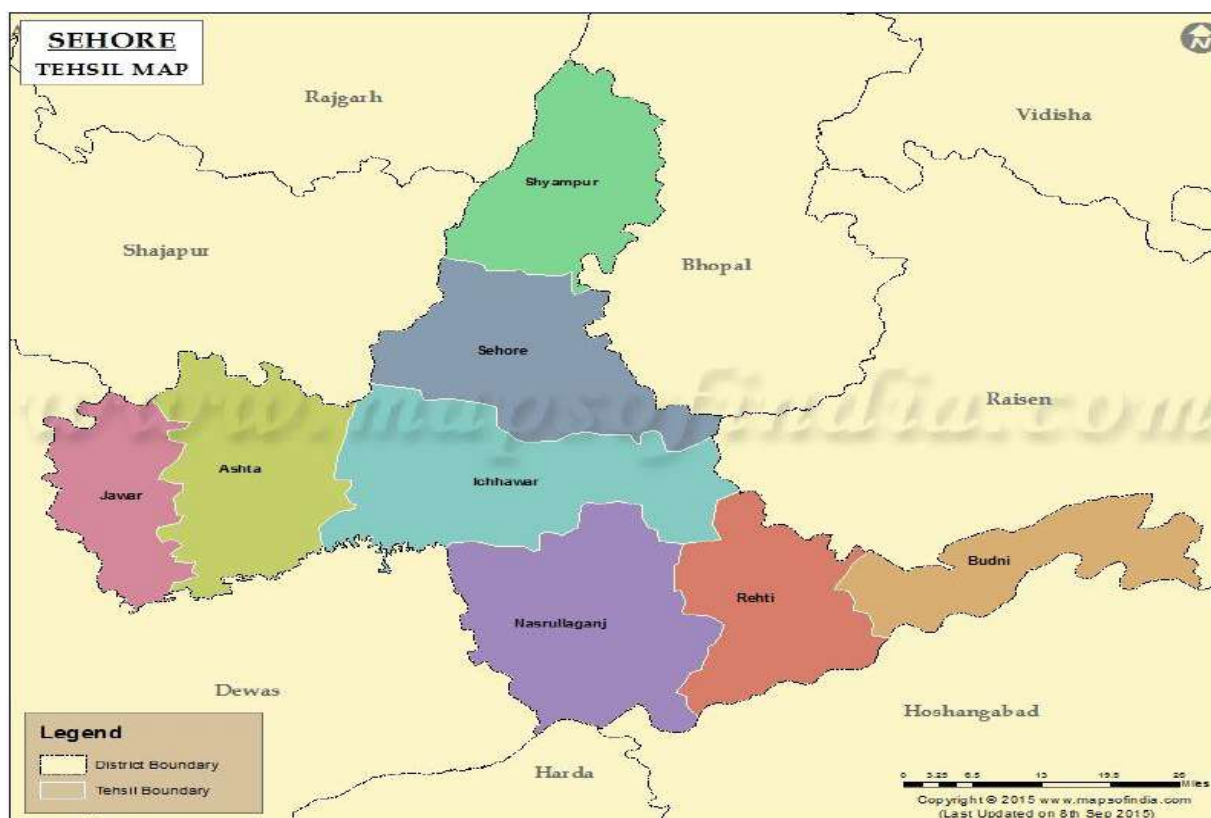


## Sehore Forest Division (T), Budhni-Range

A brief note on works taken up under Ecosystem Services Improvement Project (ESIP)

### Details of forest and non-forest area Micro watershed, under ESIP

Sl. No	Micro watershed	Forest Area (in ha)				Non-Forest Area (in ha)	Total Area (in ha)
		Dense Forest	Open Forest	Blank Forest	Total		
1	5D4A1b1	103.27	518.99	6.08	628.3507	278.76	907.106
2	5D4A1b2	672.92	377.00	16.30	1066.219	0.00	1066.216
3	5D4A1b3	115.55	366.51	5.76	487.8231	498.44	986.263
4	5D4A1b4	296.08	96.98	70.05	463.1124	104.37	567.48
5	5D4A1b5	0	83.99	0	83.99059	795.19	879.181
	Total	1187.833	1443.478	98.185	2729.496	1676.75	4406.246



**Description about the plantation work to be carried out to enhance the forest cover under ESIP project**

<b>SI No</b>	<b>Type of Model</b>	<b>Range Name</b>	<b>Working area/Compartment No.</b>	<b>Beat Name</b>	<b>Working area (in ha)</b>	<b>Number of Plants</b>	<b>Name of the Plantation species</b>
1	Ecosystem Services Improvement Project	Budhni (T)	651	Saiyadganj	50	31250	Sagon, Bamboo, Achar, Mahua, Bahera, Beej, Bel, Pipal, Neem, Jamun
2			652	Saiyadganj	30	18750	
3			646	Sahaganj	30	18750	
4			651	Saiyadganj	30	18750	
5			661	Sahaganj	30	18750	
6			647	Sahaganj	35	21875	
7			648	Sahaganj	25	15625	
8			654	Saiyadganj	25	15625	
9			650	Khatpura	25	15625	
10			645	Sahaganj	20	12500	
			<b>Total</b>		300	187500	

### Water Conservation Initiatives under ESIP Program

SI No.	Name of the Activity	Compartment No	Name of the Beat	Quantity	Geo Coordinates
1	Construction of Pond	651	Saiyadganj	1	N= 22° 52' 53" E= 77° 41' 23"
2	Construction of Pond	650	Khatpura	1	N= 22° 52' 23" E= 77° 41' 29"
3	Construction of Pond	650	Khatpura	1	N= 22° 52' 20" E= 77° 42' 24"
4	Construction of Pond	647	Sahaganj	1	N=22° 52' 17" E= 77° 44' 8"
5	Deepening and Repairing of pond	-	Bhouraplan Forest Area	1	N=22° 53' 25.78" E= 77° 44' 20.24"
6	Deepening and Repairing of pond	645	Khatpura	1	N=22° 52' 16.11" E= 77° 44' 12"
7	Deepening and Repairing of pond	645	Khatpura	1	N=22° 52' 16.11" E= 77° 44' 11.7"
8	Deepening and Repairing of pond	645	Khatpura	1	N=22° 52' 19.82" E= 77° 44' 54.23"
9	Deepening and Repairing of pond	652	Saiyadganj	1	N=22° 53' 11" E= 77° 43' 55"
	<b>Total</b>			9	

**Detailed Information about the Forest Area, Beat and JFMCs under the Project**

Sl No	Compartment No	Total area of the compartment (in ha)	Treatment area under the Project	Beat Name	Name of JFMCs	Number of Families under JFMCs				Name of the Village
						SC	ST	Others	Total	
1	646	291.8	260.00	Sahaganj	Hatlewa	06	20	25	51	Hatlewa
2	647	482.76	456.00	Sahaganj	Hatlewa					Hatlewa
3	648	556.76	341.00	Sahaganj	Nayapura	0	26	0	26	Nayapura, Chachmau
4	649	556.35	430.00	Khatpura	Pasarwada	11	34	32	77	Pasarwada Pahadkhedi
5	645	479.48	178.00	Khatpura	Pasarwada					Pasarwada Pahadkhedi
6	650	223.84	150.00	Khatpura	Khatpura	48	69	15	132	Khatpura
7	651	500.12	191.00	Saiyadganj	Khatpura					Khatpura
8	652	381.26	295.00	Saiyadganj	Khatpura					Khatpura
9	653	397.49	152.00	Saiyadganj	Saiyadganj	0	48	10	58	Saiyadganj
10	654	485.93	64.00	Saiyadganj	Akola	50	2	135	187	Akola
11	644	388.38	8.00	Bansapur	Bansapur	-	-	-	-	Bansapur
12	Non-Forest Area		1183.00							Khatpura, Paharkhedi Akola
	Total		2654							

### Awareness Campaigning and Capacity Building Details





Name of the Division- Sehore (T)

Range- Budni (T)

Training/Objective of the Workshop/Detail	Place/Date	Number of Participants	JFMCs/Name of the Village	Resource Organisation	Remark
		Male/Female			
1	2	3	4	5	6
Awareness campaigning for ESIP	23-02-2018	153	Khatpura, Saiyadganj, Akola, Pahadkhedi, Hatlewa, ChachmauNayapura	Forest Department, Department of Animal Husbandry, Department of Agriculture	-
Village level awareness program	15-02-2019	52	Khatpura	Forest Department, Department of Animal Husbandry, Department of Agriculture, Women and Child Development Department	-
	16-02-2019	71	Hatlewa		
	17-02-2019	65	Chachmau		
	18-02-2019	48	Nayapura		
	20-02-2019	70	Paraswara		
	21-02-2019	82	Akola		
	23-02-2019	73	Saiyadganj		

## Exposure Visit details

Objective of Exposure Visit	Exposure Visit/Resource Organisation	Date/Period	Number of Participants	JFMCs/Name of the Village	Resource Organisation	Remark
			Male/Female			
1	2	3	4	5	6	7
Leaf Plate making Unit, Broom manufacture unit using Grass	Chhindwara (Emli Kheda, C.I.I Skill Training Centre)	07-03-2018 to 08-03-2018	75	Khatpura, Saiyadganj, Akola, Pahadkhedi, Hatlewa, ChachmauNayapura, Paraswara	Forest Department	-

<p>Activity 1: Site preparation activity for plantation</p>	 <p>Latitude: 22°52'26" Longitude: 77°41'22" Elevation: 566.5m Accuracy: 5.5m Time: 12-23-2018 16:48 Note: 651 plant.</p> <p>Powered by NoteCam</p>
<p>Activity 2: Site preparation activity for plantation</p>	 <p>Latitude: 22°52'30" Longitude: 77°41'27" Elevation: 547.4m Accuracy: 5.5m Time: 12-23-2018 17:00 Note: 651 plant.</p> <p>Powered by NoteCam</p>
<p>Activity 3: Pit digging activity for plantation</p>	 <p>Latitude: 22°51'44" Longitude: 77°41'20" Elevation: 563.24m Accuracy: 5.2m Time: 02-12-2019 17:05 Note: esip 650 digging</p> <p>Powered by NoteCam</p>
<p>Activity 4: Pit digging activity for plantation</p>	 <p>Latitude: 22°51'44" Longitude: 77°41'20" Elevation: 563.44m Accuracy: 5.3m Time: 02-12-2019 17:07 Note: esip 650 digging</p> <p>Powered by NoteCam</p>

Activity 5: Site Selection Survey for plantation activity



Activity 6: Pond creation



Activity 7: Pond Construction



Activity 8: Division level workshop



Activity 9: Division level workshop



Activity 10: Range level workshop



Activity 11: Range level workshop



Activity 12: Deepening of Pond



Latitude: 22°52'13"  
Longitude: 77°44'13"  
Elevation: 375.02m  
Accuracy: 5.3m  
Time: 02-15-2019 14:11  
Note: esip 645 Talab deepning

Powered by NoteCam

Activity 14: Trainings by the Trident on Vermicomposting



Activity 15: Exposure visit of JFMC members



# Nursery Upgradation Under ESIP

Year - 2018-19 to 2019-20

## Brief Progress



**Nursery - Bansapur**

**District- Sehore**

**Research & Extension Circle**

**Bhopal**

## 1. OBEJECTIVE

- To Cater the 3 L2 level landscape (Milli water sheds) of Hoshangabad, Betul & Sehore districts with high quality of native species planting materiel including rare, endangered & threatend species, by improving the existing infrastructure & capacity of the nursery.
- As per soil testing report deficiency of N,P,K is being presently treated with chemical fertilizers. It is proposed that chemical fertilizers will be replaced with bio fertilizers like - azotobactor, P.S.B, Trichoderma, pseudomonas, Vermi Compost, Cocopit Etc.

## 2. Bansapur Nursery Detail

Bansapur nursery is situated in dist. Sehore on Bhopal-Hoshangabad NH-69, at approx 70 km. from Bhopal and 12 km. from Hoshangabad.

Detail of Lat./Long N= 22°47'51" E=077°42'14.0"  
N= 22°47'46.4" E=077°42'09.0"  
N= 22°47'42" E=077°42'10.0"  
N= 22°47'45.3" E=077°42'18.3"

## 3. Existing Facility in Bansapur nursery

1. No. of Beds :- 500
2. Sapling delivey :- 5.00 Lakhs per year
3. Irrigation :- Through Diesel Pump from adjoining river (Gadaria Nala)
4. Electricity/Power:- Temporary Electricity Connection & Solar pump (5km)
5. Infrastructure :- A) Residence of nursery incharge  
:- B) Meeting shed (one)  
:- C) Green net shed (size 11 mX 6.5 m)  
:- D) Vermi compost unit (4 tanks size 10mX1m)  
:- E) Sprinklers (Nos. 750)

## 4. Upgradation of Bansapur Nursery

The upgradation of nursery involves the increase in productivity from 5.00 lakh saplings to 8.00 lakh saplings/year of high quality. The following works are proposed:- Root trainer, Mist Chamber, poly House, Green net Shed, Bore well Pump, Micro spriklar, Vermi Compost Unit, Seed Store, Solar Pump, Cc Bed, Over head Tank, Fencing Seed Treatment Platform, Inner Road, Labour hut & Toilet, Drinking Water Ro, Customer Visitor facility center.

## 5. Improving the infrastructure

### i. Root Trainer (Size 250 cc- 50000 cell & size 150 cc- 50000 cell) :-

The seeds are first sown in root trainers as per their sizes for germination

- To prevent formation of defects such as spirals & root growth
- For Quick germination, rapid growth, better survival
- Cost effective
- Ensure even growth of plants in field.

### ii. Mist Chamber (Nos. one - Size 8m x15 m) :- It will be used for germinatin of hard coat seeds adn vegetative Propagation

- Enclosed Structure

- High relative humidity to facilitate better root initiation
  - Better development of plants
  - Faster rooting of cutting
- iii. Poly house 1 Nos (size 20m x 36m =720 sqmt) :- It will be used for germination of seedlings**
- Seedlings are grown under favourable controlled environment (temp, humidity light intensity, ventilation) along with soil media, disease control, Irrespective of natural conditions out side.
- iv. Green net shed house 1 Nos (Size 19m 38m= 722 sqmt) :- It will work for hardening of seedling obtained from Poly House/ Mist Chamber.**
- Protect plants from excessive sun light
  - Provides uniform shade for better yield.
  - Protects plants from natural weather disturbances winds, hail and forest.
  - Protects against birds & insects.
  - Reduces evaporation
- v. Bore well pump :-**
- There was no existing Bore well
  - It will Provide Potable water for nursery staff & labourers.
- vi. Micro Sprinklers Nos. 800 :- For Irrigation of seedlings**
- Applies water in controlled manner like natural rainfall
  - Optimum & uniform use fo water
  - Cost effective & Saves labour deployment.
- vii. Vermi Compost Unit ( 16 tanks size 10mx1.5m) :- For making of bio fertilizer**
- Vermi Compost is the end product of break down of organic matter by earth worms
  - These Casting have reduced level of contaminants and a higher saturation of nutrients.
  - Vermi Compost contains water soluble nutrients and is an excellent nutrients rich organic fertilizer and soil conditioner.
- viii. Seed Store :-**
- Facility is required to store high quality seed
- ix. Solar Pump set for irrigation (4.80KW-2 nos) :-**
- Due to non -continuity of electric supplies, solar operated pumps are necessary to maintain continuous irrigation of nursery -one from river and one for bore well.
- x. CC Bed 200 Nos (Size 10mx1x):-**
- To Keep the The Nursery bed free from weeds seeds nematodes & pathogens.
  - To Prevent sapling roots from penetrating in the soil.
  - For water conservation
- xi. Over head tank (One)**
- At present there is no over head to store water. One over head tank is required for irrigation especially in the absence of power.
- xii. Fencing (500 Rmts)**

- To fence the area along Gadaria nallah for security of solar plants & pumping establishment

**xiii. Seed Treatment plate form (one) (size 15mx20m):-**

- Treating seeds for improved seed germination & seedling emergence
- for Improved seedling health & obtaining high value seed

**xiv. Inner Road**

- 500 Meter long 4.0 mtr wide road is proposed within the nursery from main gate to the visitor/customer center.

**xv. Labour hut & Toilet:-**

- This in no Proper labour shades in the nursery. Permanent structure with toilet facility in the proximity is necessary for nursery labourers.

**xvi. Drinking water R O :-**

- At Present there is no drinking facility available in the nursery for staff & labourers. Drinking RO water is essential.

**xvii. Customer visitor facility center :-**

- Facility for information for the visitor & customers.

**6. Species of plants to be raised**

- Native/MFP Species - Amla, Harra, Baheda, Mahua, Neem, Bel, Sagon, Bamboo, Karanj, Sissoo, Chirol etc.
- RET Species - Achar, Bija, Tinsa, Kala, Shisham, Kullu, Anjan etc,
- Ficus Species - Pipal, Bargad, Gular, Pakar
- Fruit bearing Species - Aam, Sitafal, Amrud, Nimbu, Munga etc.

### 7. Progress Report of Sanctioned works of Green India Mission Bansapura Nursery

S. N.	Proposed Activity	Detail	Amount As per APO, In Rupees	Sanctioned amount	Activity Status	Expenditure Till 31-3-2019	Balance to be used in 2019-20	Remark
1	2	3	4	5	6	7	8	9
1	Green House	722 SQMT.	700000	512620	Complete	512620	0	Payment Done
2	Poly House	720 SQMT.	1000000	1054800	Complete	1054800	0	Payment Done
3	Root trainers	1.00 lakh Unit Cell	2000000	2000000	Complete	1999360	0	Payment Done
4	Borwell Pump Pipe	1 Nos	400000	400000	Complete	398014	0	Payment Done
5	Sprinkler Set	200 Bed (4/Bed)	500000	500000	Complete	438433	0	Payment Done
6	Mist Chamber	120 SQMT	1000000	946200	Under Implementation	0	946200	Work in Progress
7	Vermi Compost Unit	10mx6m, 4 Tanks	800000	797836	Complete	797836	0	Payment Done
8	Seed Store	1 Nos	1000000	1000000	Cleared	0	1000000	Proposed in 2019-20
9	Solar Pump Set for Irrigation	7.5 KW	900000	900000	Complete	897452	0	Payment Done
10	CC Bed	200 Bed	3000000	2697000	Complete	2696978	0	Payment Done
11	Over Head Tank	1 Nos	500000	500000	Cleared	0	500000	Proposed in 2019-20
12	Fencing	500 RMT	500000	500000	Cleared	0	500000	Proposed in 2019-20
13	Seed Treatment Platform	15x20 MTR	500000	497966	Complete	497966	0	Payment Done

14	Inner Road for Nursery	500 MTR	250000	250000	Cleared	0	250000	Work order issue
15	Labour Hut	1 Nos	400000	400000	Complete	399797	0	Payment Done
16	Toilet for Labour	1 Nos	200000	200000	Complete	199934	0	Payment Done
17	Customer/Visitor facilities center	713 SQFT + Court yard RCC Structure	1000000	990135	Cleared	0	990135	Work order issue
18	Drinking Water R O	1 Nos	100000	100000	Complete	99980	0	Payment Done
	Total		14750000	14246557		9993170	4186335	
	Revenue for Plants	227000				1816000		
<b>Allotment for 2018-19</b>		<b>11800000.00</b>				<b>11809170</b>		

**8. Tabular format of Proposed Annual plan of operation for 2019-2020 and carry over activities of 2018-2019**

<b>Operation of Ecosystem Services Improvement Project Under GIM</b>													
<b>APO For Year 2019 - 20 Works</b>													
<b>Site - Bhansapura Nursery</b>							<b>Research &amp; Extension Circle Bhopal</b>						
<b>No.</b>	<b>Component/Activities</b>	<b>Project Cost Estimate</b>		<b>MP share estimate of Project Cost</b>			<b>Units</b>	<b>Quantities</b>	<b>Unit Cost</b>	<b>Carry over activities of 2018-19</b>		<b>Activities of 2019-20</b>	
		<b>US\$ Mill</b>	<b>Rs. Crore</b>	<b>US\$ Mill</b>	<b>Rs. Crore</b>	<b>Rs. Crore</b>				<b>Expenditure</b>	<b>Unit Cost</b>	<b>Expenditure</b>	
													<b>Rs. Lakh</b>
1	Mist Chamber						number	1	10	9.46	-	-	
2	Seed Store						number	1	10	10.00	-	-	
3	Customer/Visitor facilities center						number	1	10	9.90	-	-	
4	Overhead Tank						number	1	5	5.00	-	-	

5	Fencing						rmtr	500	0.01	5.00	-	-
6	Inner Road of Nursery						mtr	500	0.005	2.50	-	-
7	Sprinkler set for 200 bed						number	800	-	-	0.025	5.00
8	C.C. Bed						number	200	-	-	0.15	30.00
9	Inner Road of Nursery						Mtr	500	-	-	0.005	2.50
10	Solar light						number	8 nos	-	-	0.25	2.00
11	Cocopit Plant						number	1 nos	-	-	1	1.00
12	C C TV Computer Labtop Camera						number	1 nos	-	-	2.5	2.50
13	Signage for nursery work and extension work, documentation						number	-	-	-	-	5.00
14	Furniture for customer visitor facility Centre						number	-			1	1.00
15	Strengthen capacity of government institution in forestry and land management											
15 a	Soil Testing Machine with installation						number	4 nos			1	4.00
15 b	Soil Testing Kits						number	4 nos			0.25	1.00
165c	Shade for Soil Testing machine						number	4 nos			1	4.00
15 d	Training Programe for staff						number	20 nos			0.25	5.00
							<b>Total</b>				<b>41.86</b>	<b>63.00</b>
	<b>Site - Satpura Bhawan Bhopal</b>											
16	Commercial office maintenance						number	1 nos			-	52.50
							<b>Grand Total</b>				<b>41.86</b>	<b>115.50</b>

## Progress Photographs of Bansapur Nursery, R&E Bhopal



Figure 1 Constructed Green House



Figure 2 Vermi Compost Unit



Figure 3 Cement Concreat (CC) Bed



Figure 4 Vermicompost Unit



Figure 5 Construction of Mist Chamber



Figure 6 Seed Treatment Platform

Subject: **MP state biodiversity board.**

To: "apccfgim (apccfgim@mp.gov.in)" <apccfgim@mp.gov.in>

Cc: A K Kalesh Kumar <kalesh@worldbank.org>,  
Anupam Joshi <anupam@worldbank.org>,  
Vidya Venugopal <vvenugopal2@worldbank.org>,  
Anantha Krishna Karur <akarur@worldbank.org>,  
Sharlene J Chichgar <schichgar@worldbank.org>

Date: 07-08-18 11:11 PM

From: "Madhavi M. Pillai" <mpillai3@worldbank.org>

Dear Mr. Raman,

Hope things are going well on ESIP MP. Following our discussions during the mission, we sought advice from our legal and procurement teams regarding your proposal to hire the services of Madhya Pradesh State Biodiversity Board for "Training and protocol development for biodiversity measurements in select location for preparing biodiversity management plans, especially in corridors" under the project.

As per the conditions of Eligibility for engaging as a Consultant, as defined in section 1.11 (b) of Guidelines for Selection of Consultants in World Bank Projects, a Government-owned enterprise or institution in the Borrower's country need to be (i) legally and financially autonomous, (ii) operate under commercial law, and (iii) are not dependent agencies of the Borrower or Sub-Borrower. Madhya Pradesh State Biodiversity Board, being part of the Government of Madhya Pradesh, hence, is not eligible to receive a contract for providing consulting services in the project.

From the details available in the documentation you have shared with us and also from the website, we would like to understand whether Madhya Pradesh State Biodiversity Board is part of the department, thus qualifying to undertake they activities as part of implementing agency for the project, Department of Forest, Govt. of Madhya Pradesh. To make an informed decision in this regard, I request you to provide following details:

- \* As we understand, in 2014, the Govt. merged the Board within the Department. Please share further details in this regard, including any administrative orders issued;
- \* Please clarify whether staff work both across the Forest Department and the Board; and
- \* Please clarify, In terms of litigation and recovery of the ABS levy, whether the recovery amounts rests with the Forest department or the Board

We look forward to your early response on the above.

Sincerely,  
Madhavi

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# Ecosystem Services Improvement Project

## Terms of Reference

### Sustainable Harvesting Protocols, Value Addition and Value Chain Development to Non-Timber Forest Products (NTFP) in Selected Districts of Madhya Pradesh, India

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#### 1. Background and Context:

Non-Timber Forest Products (NTFPs) refer to all biological materials other than timber extracted from natural forests for human and animal use and have both consumptive and exchange value. Globally NTFP / NWFP are defined as “forest products consisting of goods of biological origin other than wood, derived from forest, other wood land and trees outside forests” (Report of the sub-group-ii on NTFP and their sustainable management in the 12th 5-year plan, 2011). There is a diverse range of NTFPs, such as, bamboos, brushwood, stumps, cane, Tussar cocoons, honey, wax, lac, tendu or kendu leaves, medicinal plants and herbs, roots, tubers etc. ( as in *Forest Rights Act, 2006, Section 2(i) of the Act*), that are currently collected by forest dependent communities, tribal and other forest dwellers. The collected NTFPs are mostly sold through the Primary Cooperative Societies. In some cases, value addition of some of the NTFPs has already started in the State. However, by and large it is believed that the sector is mostly unorganized and the true scale and potential of NTFPs are yet to be realized. At the same time, there are no reliable estimates on the carrying capacity of the forests in terms of providing the various NTFPs on a sustainable basis and there are no harvesting protocols available for the local communities and collectors.

The Government of Madhya Pradesh is implementing the Ecosystem Services Improvement Project (ESIP), which is a World Bank/GEF grant in support of the Green India Mission. The project development objective (PDO) is to Improve forest quality, land management and non-timber forest produce (NTFP) benefits for forest dependent communities in selected landscapes in Madhya Pradesh and Chhattisgarh. The current TORs is only for the part of the project being implemented in Madhya Pradesh. The project is being managed by the Additional Principal Chief Conservator of Forests (APCCF), Green India Mission in the State Forest Department. The project envisages to apply part of the grant proceeds for developing sustainable harvesting protocols and value addition to NTFPs in the three project districts of Sehore, Hoshangabad and Betul.

#### 2. Scope of Work:

Following is the scope of work for the proposed assignment:

- a) Develop protocols for use by collectors, local communities and tribal for sustainably harvesting the NTFPs;
- b) Develop a training manual for training the collectors, local communities and tribal and prepare local trainers through Training of Trainers (TOT), as identified by the Project;

- c) Outline the steps involved in value addition of NTFPs and the associated processes involved;
- d) Demonstrate value addition and/or develop new products from the locally available NTFPs and also demonstrate their production process;
- e) Map the available markets, support in branding and linking with markets in order to create a full value chain for the NTFPs; and
- f) Facilitate establishing local level institutional models (producer companies and/or local cooperatives) and provide necessary training for proper operations and governance of such local level institutions.

### **3. Specific Tasks**

The selected consultants will undertake the following specific tasks as part of the assignment. Note, a few additional tasks may be required, if identified, during the course of implementing the assignment, which may not have been identified at this stage.

- a) Draw a map of the community's forest boundaries and mark which NTFPs are available
- b) Find out from a recognized institution about the global/local status of the species in the area
- c) Conduct a species-specific population assessment in the forest from where NTFP is collected locally
- d) Document methods used for harvest by the community
- e) Preparing sustainable harvesting protocols (including translating in local language) for NTFPs
- f) Developing training manuals (including in local language) for use of the sustainable harvest protocols
- g) Training of Trainers (as identified by the project) who will, in turn, train local communities, collectors and tribal in applying the sustainable harvest protocols
- h) Documenting status of NTFP collection (through primary surveys and stakeholder interactions), including volumes traded, price realized etc.
- i) Undertaking value addition of NTFPs through grading, sporting and marketing as well as through developing new products through processing steps
- j) Setting up standard drying and grading facility and a processing unit in two villages per district (total six villages)
- k) Training on value addition of NTFPs
- l) Support for developing packaging and labelling with name, grade, quantity and place of origin mentioned
- m) Providing quality assurance training, including maintaining basic hygiene
- n) Demonstrating storage techniques, suited to local conditions
- o) Support for branding and marketing, including identification of possible marketing channels, such as, online stores, and linking with potential buyers
- p) Establishing local institutions, such as, producer companies and/or local cooperatives for managing the NTFP collection, value addition and marketing as part of the value chain

- q) Providing necessary technical, operational and governance training for proper functions of these local institutions
- r) Providing hand-holding support to established local institutions for a period of six months after handing over the operational value chain

#### 4. Duration of the Assignment

The total duration of the assignment is 30 months from the signing of the contract. This is broken into two parts. Part 1 will be for 18 months which will include identification phase, value addition, product development, establishing processing units, sustainable harvesting protocols etc. Part 2 will be for 12 months for providing hand holding support to the local institutions created under this assignment.

#### 5. Deliverables and Payment Schedule

S. No.	Deliverable	Timeline – Months from Signing of Contract	Payment - % of Contract Value
1.	Inception Report	1 Month	5%
2.	Protocol for Sustainable Harvesting of NTFP	6 Months	5%
3.	Training Manual Prepared and TOT completed	10 Months	10%
4.	NTFP Value Addition Unit Established in Villages	10 Months	10%
5.	New NTFP Products Developed	14 Months	10%
6.	Entire Value Chain (collection, processing, packaging, branding, marketing, final sale) Working Demonstrated	20 Months	15%
7.	Final Report Covering the Developments of first 24 Months	24 Months	20%
8.	Hand Holding Support Period Completed	30 Months	25%

#### 6. Team Composition

The consultants are free to propose and deploy technical and other human resources as may be required, however, the following personnel are necessary to be deployed during the course of the assignment:

S. No.	Position/Title	Qualifications	Estimated Time Required
1.	Team Leader (one)	A post graduate in forestry/Natural Sciences/Botany or equivalent from a recognized university or institution; at least 10 years experience of working with local communities in NTFP (collection, processing, marketing etc.); experience of developing innovative NTFP products would be an advantage	30 Months
2.	Marketing Manager (one)	A post graduate in marketing and/or MBA with experience of marketing new products, developing	10 Months

S. No.	Position/Title	Qualifications	Estimated Time Required
		new marketing channels, collecting market intelligence etc.	
3.	Ecologist (two)	A post graduate in forestry/Natural Sciences/Botany or equivalent from a recognized university or institution; at least 6 years of experience in working on biodiversity monitoring, collection/harvesting of NTFPs, developing monitoring (and harvesting) protocols etc. Experience of working with communities will be beneficial.	15 Months
4.	Sociologist (two)	A post graduate in Social Sciences or equivalent from a recognized university or institution; at least 6 years of experience in working with local communities, conducting household surveys, Focus Group Discussions etc. Experience of working in remote locations and with tribal (including women) would be an advantage.	15 Months
5.	Trainer (one)	A post graduate in a relevant discipline; at least 10 years of experience in developing training modules and providing TOTs necessary	10 Months
6.	Institutional Expert	A post graduate in a relevant discipline; at least 10 years of experience in working with local village level institutions and their functioning; should be able to provide hand-holding support to the local institutions.	20 Months

## 7. Important Notes

- a) For the purposes of this assignment, value addition means that the value added or increased to the original product (whether it is a farm produce or a wild produce) through various processing methods. Value Addition must result in increasing the amount of a product's value in final or semi-processed form over and above the value in its raw form. Value addition could be in the form of price, quality and character.
- b) For the purposes of this assignment, value chain means an entire chain from collection to final sale, through which the NTFP product passes.
- c) The consultants are expected to work closely with the State Biodiversity Board and M. P. State Minor Forest Produce Federation as well as follow the necessary steps as outlined in the National Biodiversity Act.



**REQUEST FOR EXPRESSION OF INTEREST (REOI)  
FOR  
“SELECTION OF A FIRM FOR DEVELOPING IEC  
STRATEGY AND IMPLEMENTATION OF IEC PLAN  
FOR THE ECOSYSTEM SERVICES IMPROVEMENT  
PROJECT” IN  
MADHYA PRADESH**

**FEBRUARY 2019**

**Office of the Addl. Principal Chief Conservator of Forest  
Green India Mission  
Satpura Bhawan, Bhopal (M.P.)-462004  
Phone:- 0755-2524305, E-Mail : [apccfgim@mp.gov.in](mailto:apccfgim@mp.gov.in)**

# **REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES– FIRM SELECTION)**

**Project – ECOSYSTEM SERVICES IMPROVEMENT PROJECT (Project # 133803)**

**Project Agreement No. – TF-A3990 IN**

**EoI Date: ...../02/2019**

**Reference No.....**

## **ASSIGNMENT TITLE:**

### **“SELECTION OF A FIRM FOR DEVELOPING IEC STRATEGY AND IMPLEMENTATION OF IEC PLAN FOR THE ECOSYSTEM SERVICES IMPROVEMENT PROJECT” IN MADHYA PRADESH**

1. The Madhya Pradesh Forest Department, through the Government of India, Ministry of Environment, Forest & Climate Change (MoEF&CC) and World Bank, has received grant-in-aid from the World Bank towards the cost of the ECOSYSTEM SERVICES IMPROVEMENT PROJECT (ESIP), and intends to apply part of the proceeds toward consulting services for this assignment.
2. The consulting services (“Services”) are for “SELECTION OF A FIRM FOR DEVELOPING IEC STRATEGY AND IMPLEMENTATION OF IEC PLAN FOR THE ECOSYSTEM SERVICES IMPROVEMENT PROJECT” and require requisite experience and capabilities in Information, Education and Communication related to core focal areas/issues of the project. Details of the assignment are provided in Terms of Reference, uploaded at [www.mpforest.gov.in](http://www.mpforest.gov.in). All updates regarding the procurement will be available on the website only.
3. **The objective of the assignment:**

In order to achieve the project objectives, Green India Mission (GIM), Madhya Pradesh Forest Department, State Project Implementation Unit (SPIU) proposes to select an independent and external firm with the requisite skills and proven experience to develop an IEC strategy and implementation plan for the project.

#### 4. Contract Period:

The selected firm will initially be offered a Contract for a period of one (1) year; renewal for any additional period is subject to satisfactory performance in the initial contract period and further requirements (if any) by O/o Addl. P.C.C.F., GIM & National Project Director, ESIP, M.P. Forest Department, Bhopal (M.P.).

#### 5. The scope of services will include:

- Building a comprehensive IEC Strategy for the project/project areas/stakeholders
- Awareness Building and Promotion
- Documentation and developing Resource Materials for all IEC activities
- Conducting Promotional Events, Workshops etc.
- Printed/Digital IEC and promotional Material for Awareness Campaigns etc.
- Audio and Video Spots for Digital Media promotions etc.

#### 6. ESIP-SPIU Madhya Pradesh now invites eligible consulting firms (Consultants) to indicate their interest in providing these services. Interested Firms should provide information demonstrating that they have the required qualifications, skills, expertise, and experience to perform the desired services.

The EOI document shall be available from the advertisement date till the due date on the website of State Forest Department, Madhya Pradesh at [www.mpforest.gov.in](http://www.mpforest.gov.in) , which can be obtained by the firms by way of downloading from the website.

Firms are advised to submit their EoI in the appropriate formats specified in this document.

At any time before the submission of proposals, O/o Green India Mission, ESIP-SPIU may, for any reasons, whether at its own initiative or in response to a clarification requested by a consulting firm modify the document by amendment. The amendment will be notified in the website aforesaid and revised documents / clarification if any shall also be uploaded on the website.

#### 7. Preparation of EoI Proposal: Firms are requested to submit the EoI's as per the attached formats only. The proposals, which are not submitted in the required format, are liable to be rejected by the O/o Green India Mission, ESIP-SPIU.

#### 8. The requirements of information to be provided by the Firm are described in Annexure-1 of this document. Firms are requested to go through the EoI document carefully before preparing and submitting their proposal.

#### 9. The Firms may be disqualified, if complete information sought in the EoI is not provided.

#### 10. Any proposals containing vague and indefinite expressions will not be considered.

#### 11. Shortlisting Criteria:

The Expression of Interest should include the following information, which will form part of the short-listing criteria (please provide the information in annexure 1).

- The firm should be in business for at least the last 03 years holding a valid Permanent Account Number (PAN)/TAN and GST Registration Number.
- The agency should have an average annual turnover of Rs. 10.00 Lakh or above for the past 03 financial years (2015 – 2016; 2016 – 2017; 2017 - 2018).

- Experience of the firm's nature of work with similar types of requisite experience and capabilities in developing IEC strategy and its implementation in related domains preferably in the state of Madhya Pradesh and in India.
- Ability to work closely with Government Departments and coordinate with diverse government, non-governmental, and autonomous-governmental agencies.
- Availability of qualified experts in fields relevant to lead the proposed work.
- The agency should not have any unsatisfactory track record resulting in adverse action taken by any Government in India (an undertaking must be submitted).

12. The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's

Guidelines: Selection and Employment of Consultants [under IBRD Loans and IDA Credits & Grants] by World Bank Borrowers [January 2011, revised July 2014] ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

13. Consultants may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their technical qualifications. The submission should clearly state the type of association, including whether it is a joint venture or a sub-consultancy.

14. The final selection of the Consultant for developing the IEC strategy and implementation plan for the GIM-ESIP in the state will be in accordance with the Selection Based on the Consultants' Qualifications (CQS) method set out in the paragraph 3.7 of the World Bank's Guidelines: Selection and Employment of Consultants [under IBRD Loans and IDA Credits & Grants] by World Bank Borrowers [January 2011, revised July 2014].

15. A committee constituted by the O/o A.P.C.C.F., Green India Mission, M.P. State Forest Department will complete the evaluation and selection of the firm.

16. Interested Consultants may obtain further information at the address below during office hours i.e., 10.00 to 17.00 hours on all working days.

17. Expressions of Interest must be delivered in written form and should include the firm's demonstrated capacity to provide the required expertise. Expressions of Interest must be delivered to the address below through registered post/speed post/ by hand as hard copy and soft copy (CD) latest by ..... February 2019 till 1700 hours.

**Address for Correspondence:-**

**Additional Principal Chief Conservator of Forest  
Green India Mission  
Satpura Bhawan, Bhopal, Madhya Pradesh 462004.  
Tele: 0755-2674268**

Email: [apccfgim@mp.gov.in](mailto:apccfgim@mp.gov.in) Website: <https://www.mpforest.gov.in/>

## Prescribed format for applying for

**SELECTION OF A FIRM FOR DEVELOPING IEC STRATEGY AND  
IMPLEMENTATION PLAN FOR THE ECOSYSTEM SERVICES  
IMPROVEMENT PROJECT (ESIP) in MADHYA PRADESH**

## I) Organizational Profile

<b>A – Firm’s Profile (Maximum 2 pages)</b>				
1.	Name of the Organization			
2.	Postal Address			
3.	Telephone: Mobile / Fax/ E-mail			
4.	Contact Person name and designation with contact details			
5.	Registration Details: Registered on (Date) Provide copy of the registration certificate and No. of completed years indicate whether Society/Trust/Company/Others			
6.	Financial average <b>Annual Turnover</b> of at least <b>Rs. 10.00 Lakh</b> during the last three financial years required.  (Enclose Audited Balance Sheets)	Provide the turnover of organization (on the basis of the audited accounts) in the last three <b>Financial years in Indian Rupees.</b>		
		<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
<b>B- Firm’s Experience</b>				
1.	The firm should be in business for at least the last three years holding a valid Permanent Account Number (PAN)/ TAN and Service Tax Registration / GST Number or equivalent Registration in case of foreign applicants.			
2.	Evidence of the firm’s experience with similar types of requisite experience and capabilities in IEC related assignments in preferably in the state of M.P and in India.			
3.	Proven ability to work closely with Government Departments and coordinate with diverse government, non-governmental, and autonomous-governmental agencies.			
4.	The agency should not have unsatisfactory track record resulting in adverse action taken by Central/State Governments in India (an undertaking must be submitted). Annexure-III			

**II) EOIs will be evaluated based on the short-listing criteria listed below.**

<b>S#</b>	<b>Short listing Criteria</b>	<b>Must Meet criteria</b>	<b>Documents to be submitted</b>
1	The firm should be in business for at least the last five years holding a valid Permanent Account Number (PAN)/TAN and GST Registration Number.	Must Meet	Registration certificate, Copies of PAN, TAN and GST registration
2	The agency should have an average annual turnover of Rs. 10.00 Lakhs or above for the past 3 financial years (2015 – 2016; 2016 – 2017; 2017 - 2018).	Must Meet	Statutory Audit report to be attached
3	Evidence of the firm’s experience with similar types of requisite experience and capabilities In developing IEC strategy & its implementation in related domains	Must Meet	Enclose list of relevant assignments, including evidence of conducting similar IEC exercises in the development sector etc. with customer name and address, contact details, order value, and performance Certificates if any. Annexure-II
4	Proven ability to work closely with Government Departments and coordinate with diverse government, non-governmental, and autonomous-governmental agencies.	Must Meet	Relevant orders, certificates, completion orders, etc. should be provided as evidence.
5	Availability of qualified experts in fields relevant to lead the proposed work.	Must Meet	Consent document of the proposed expert.
6	The firm should not have any unsatisfactory track record resulting in adverse action taken by any Government in India (an undertaking must be submitted)	Must Meet	As per format provided at Annexure – III.

## FIRMS'S EXPERIENCE – FORMAT

Assignment name:	Country: Location within country:
Name of Client:	Address:
Duration of assignment (months): Start date (month/year): Completion date (month/year):	Total No. of staff-months of the assignment:
Approx. value of the contract (in current INR):	
Name of associated Firms, if any:	
Name of associated consultants/Team Members:	Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader etc):
Narrative description of Project:	
Description of actual services provided by your staff within the assignment:	

**(On the letter head of the agency/firm)**

**Declaration**

**Date:.....**

**To whomsoever it may concern**

I/We hereby solemnly take oath that I/We am/are an authorized signatory in the Firm/Society/ Company/Trust and hereby declare that "Our Firm does not face any sanction or any pending disciplinary action from any authority." Further, it is also certified that our firm does not have any unsatisfactory track record resulting in adverse action taken by any Government in India. In case of any further changes which effect this declaration at a later date, we would inform the O/o Addl. P.C.C.F, Madhya Pradesh Forest Department, Green India Mission accordingly.

Authorized Signatory  
(with seal)

## Livelihood Initiatives and Skill Development Progress in ESIP Landscape

Sr. No	Division	Activity Name	Activity Place	Total beneficiaries involved	Investment	Future plan	Photograph
1.	North Betul	Stitching Unit	Bhauradhana, Kacchar, Handipani, Kuppa, Tetar, Banabheda, Koylari, Koyalbuddi	85 Women	Rs. 151022/-	To build the capacity of women and strengthen them to take up stitching as a livelihood option.	Figure 1
2.	North Betul	Site preparation for plantations at 4 sites (179 ha)	Koyalbudi, Kachar, Bhaura and Kuppa	Approximately 20978 men days generated	Rs. 5957783/-	To treat the degraded areas and improve carbon sequestration.	Figure 2
3.	North Betul	Construction of vermi compost tanks	Bhauradhana , Kacchar, Handipani, Kuppa, Tetar, Banabheda, Koylari, Koyalbuddi	80 households	Rs. 20,000/- per unit	To prepare vermicompost from available organic waste. The vermicompost will be purchased from beneficiaries for ESIP plantations and will also be used by beneficiaries in their farm lands to promote organic farming.	Figure 3
4.	North Betul	Wall Paintings	Handipani	-	Rs. 1,17,000/-	To orient the villagers about the project activities and its objectives.	Figure 4
5.	North Betul	Fingerlings distribution	Bhauradhana , Kacchar, Handipani, Kuppa, Tetar, Banabheda	-	Rs. 16,500/-	Market linkage of producers and support in enhancing the beneficiary's livelihood	Figure 5
6.	North Betul	Exposure visit to Harda	Bhaura range	50 participants	Rs. 16,670/-	A visit to Bamboo and Teak plantations on private lands. To build the capacity of division staff and beneficiaries and motivate the beneficiaries to take up such plantations on their land.	Figure 6
7.	North Betul	Training on sanitary napkin and unit establishment	Bhauradhana	12 women, SHG, NGO Aaranya	Rs. 2,74,843/-	To mobilize women on health and hygiene and help them enhance their livelihood, in convergence with GIM	Figure 7

8.	North Betul	LPG cylinder set distribution	Bhauradhana, koylari, Koyalbudi, Kacchar, Handipani, Kuppa, Tetar, Banabheda	189 households	Nil (done through convergence)	To facilitate women with smokeless cooking, improve their health and reduce the biotic pressure on forests.	Figure 8
9.	North Betul	Exposure visit to Chhindwara	Bhaura Range	59 participants	Rs. 59,000/-	A visit to BCCRLIP Project area to build the capacity of division staff and beneficiaries.	Figure 9
10.	North Betul	Construction water and soil conservation structures		-		To reduce run off and prevent soil erosion.	Figure 10
11.	Hoshangabad	Training on Bee Keeping	Pipalgota Village	28 participants	Rs. 17,800/-	To enhance the livelihood of the forest dependent communities	Figure 11
12.	Hoshangabad	Training on improved mahua collection	Pipalgota village	268 beneficiaries	Rs. 2,495/- per beneficiary	For improving the quality of Mahua collected thus enhancing their livelihood.	Figure 12
13.	Hoshangabad	Training on Mushroom cultivation	Ranhji, Pipariya, Bhatna, Pipalgota	98 beneficiaries	Rs. 55,000/-	To provide livelihood opportunity to the beneficiaries and enhance their income	Figure 13
14.	Hoshangabad	Training on vermi compost and tank construction	Pipariya, Ranjhi, Bhatna, Nayagaon	101 beneficiaries	Rs. 21,71,500/-	To utilize the available cow dung in making compost manure. The compost manure will be marketed to nearby nurseries and will also be used by farmers in their farm lands.	Figure 14
15.	Hoshangabad	Stitching training and establishment of stitching units	Ranhji, Pipariya, Bhatna, Pipalgota	121 beneficiaries	Rs. 14,88,300/-	To build the capacity of women and strengthen them to take up stitching as a livelihood option.	Figure 15
16.	Sehore	Stitching training	Khatpura, Akola	110 (55 beneficiaries from each village)	1,21,000.00/-	To train the villagers specially females to develop their skill and capacity to increase livelihood also	Figure 16

17	Sehore	Training of Agri based Activities	Khatpura, Saiyadganj, Akola, Pahadkhedi, Hatlewa, Chachmau Nayapura, Paraswara		1,10,00.00/-	Training by Trident to build capacity on Agri based skills and use of recent trends. The main aim was to enhance the income to the farmers of the villages	Figure 17 and 18
18	Sehore	Training on Leaf Plate making Unit, Broom manufacture unit using Grass	Khatpura, Saiyadganj, Akola, Pahadkhedi, Hatlewa, ChachmauNayapura, Paraswara	75	4,50,000.00/-	Training on Leaf Plate making Unit, Broom manufacture unit using Grass by Chhindwara (Emli Kheda, C.I.I Skill Training Centre) Through Convergence	Figure 19



Figure1



Figure 2



Figure3



Figure4



Figure5



Figure6



Figure7



Figure8



Figure9



Figure10



Figure11



Figure12



Figure13



Figure14



Figure15



Figure16



Figure 17



Figure 18

Office of the Principal Chief Conservator of Forests and Head of Forest Forces,  
Section: Green India Mission

Office Order

Order no 23

Dated: 19/7/18

With reference to the order no/GIM/ESIP/2018/152, Bhopal, dated: 31/05/18 subsequent to the selection process and on the recommendation of the technical committee, Shri **Jibotosh Pandit** was declared as select candidate and was directed to join the office of the APCCF Green India Mission between 1st June to 30 June 2018.

Shri Jibotosh Pandit s/o Late Shri Jagabandhu Pandit, resident of Village-Samuktala bazar (Near Hindi School), P.O- Saontalpur, District-Alipurduar, State-West Bengal, Pin code-736206 has joined the office on 21st June 2018 and is hereby appointed as Database and GIS Expert for the World Bank aided "Ecosystem Services Improvement Project (ESIP)" for an initial period of 2 (two) years starting from 21-06-2018, the date of his joining, with following terms and conditions;

1. The appointment is purely on the contractual basis for the implementation of the ESIP project and valid till 20 June 2020. However, if deemed necessary, the Nodal Officer and Additional PCCF Green India Mission may extend the contract beyond 20 June 2020 or for the project period or for a term as deemed appropriate. The extension will be at the discretion of the Nodal Officer and Additional PCCF Green India Mission and Mr. Jibotosh Pandit will have no right whatsoever to claim extension/ renewal of the contract or continuation / regularisation of services in Madhya Pradesh Forest Department or any other department of the Government of Madhya Pradesh.
2. The Nodal officer may reserve the right to postpone or cancel the assignment and/or shorten or extend its duration. In such case, event of termination of contract, the assignee shall be paid for the services rendered for carrying out the assignment/work upto the date of the termination and the assignee will provide the Nodal Officer with any reports or parts thereof, or any other information and documentation gathered as part of this agreement for completed or partly completed and other assets purchased or created through this assignment prior to the date of termination.
3. The service should be performed, tasks should be undertaken and the works should be executed over the estimated and agreed time frame, and the reports should be submitted at the agreed frequency submission of such reports.
4. The remuneration for the service will be 50,000.00/- (Fifty thousand rupees only) per month and the amount shall be charged under the budget available with the Ecosystem Services Improvement Project (ESIP). The salary would be revised at the end of the financial year based upon annual performance of the assignee.
5. The Assignee shall pay the taxes, duty fees, levies and other impositions levied under the applicable law.
6. The renewal of the contract will be based on the annual performance of the assignee and the renewal process should start 3 (three) months earlier from the end date of contract, followed by an application from the assignee.
7. The assignee undertakes to carry out the assignment in accordance with the quality standard of professional and ethical competence and integrity having due regard to the nature and purpose of the assignment.
8. The assignee will be entitled to avail the benefit on TA, and DA applicable to class II officers (grade B employees) of state of M.P. for conducting/attending official tour, field works, attending workshops/trainings, seminar and will be debited under the budget available with the Green India Mission (GIM) for implementation of ESIP.
9. Assignee shall pay EPF according to EPF fund miscellaneous provisions Act. 1952.

10. The assignee also agrees that all the knowledge and information not within the public domain which may be acquired during the course of carrying out this agreement shall, for all time and for all purpose, be regarded as strictly confidential and held in confidence, and shall not be directly or indirectly disclosed to any other person whatsoever except with the written permission of the Nodal Officer. The Nodal Officer will, however, encourage the assignee to publish the results and findings in peer reviewed publications after the manuscript is reviewed by the assignee.

11. This agreement, its meaning and interpretation and the relation between the parties shall be governed by the laws of Union of India and the State of Madhya Pradesh.

12. The assignee shall be entitled for 13 (Thirteen) days casual leave with 15 (Fifteen) days earned leave including 3 (Three) optional leave. Besides the above, no other kind of leave will be admissible.

13. Before leaving the head quarter for leave, assignee will have to take written permission from Nodal Officer/In charge Officer.

14. The conduct rules as applicable to the contractual employees of the Department will apply

15. If assignee wants to leave the project in between, then he/she will have to give 30 days' prior notice.

16. The above terms and conditions are part of the offer of engagement on contractual basis, subject to renewal on the basis of annual performance.

K.Raman, IFS  
19/7/18

Additional Principal Chief Conservator of Forests  
and Nodal Officer, Green India Mission,  
103, Satpura Bhawan  
Madhya Pradesh, Bhopal  
0755 2674268, 9424790089(O),

DATE - 19/7/18

Copy to: 215

- 1- Senior PA, PCCF & HOFF, Madhya Pradesh, Satpura Bhawan, Bhopal
- 2- Secretary Forest, Mantralaya, Vallabh Bhawan, Bhopal
- 3- Ms. Madhavi Pillai, Task team leader ESIP Project, World Bank.
- 4- Procurement specialist, World Bank, ESIP Project New Delhi.
- 5- Director Budget,  
Wing – Finance & Budget, PCCF office Satpura Bhawan, Bhopal, for information and necessary action
- 6- Shri Jibotosh Pandit s/o Late Shri Jagabandhu Pandit, Village-Samuktala bazar (Near Hindi School), P.O- Saontalpur, District-Alipurduar, State-West Bengal, Pin code-736206
- 7- Guard File.

Additional Principal Chief Conservator of Forests  
and Nodal Officer, Green India Mission,  
103, Satpura Bhawan  
Madhya Pradesh, Bhopal

Office of the Principal Chief Conservator of Forest and Head of Forest Forces,  
Section: Green India Mission

Office order  
(Notification of award of contract for Procurement cum Financial Expert)

Order No. 49

Dated: 06-10-2018

With reference to the Letter no/GIM/ESIP/2018/405, Bhopal, dated 24/09/2018 subsequent to the selection process and on the recommendation of the technical committee, **Shri Somit Krishna Dev Burman** was declared as selected candidate and was directed to give his joining in the office of the APCCF Green India Mission till 01/10/2018.

**Shri Somit Krishna Dev Burman** s/o Shri G. K. Dev Burman, resident of E/8-51 Basant Kunj, Arera colony, Bhopal, State-Madhya Pradesh has joined the office on 27/09/2018 and is hereby appointed as Procurement cum Financial Expert for the World Bank aided "Ecosystem Services Improvement Project (ESIP)" for an initial period of 2 (two) years starting from 27/09/2018, the date of his joining, with following terms and conditions:

1. The appointment is purely on the contractual basis for the implementation of the ESIP project and valid till 30/09/2020. However, if deemed necessary, the Nodal Officer and Additional PCCF Green India Mission may extend the contract beyond 30/09/2020 or for the project period of for a terms as deemed appropriate. The extension will be at the discretion of the Nodal Officer and Additional PCCF Green India Mission and Mr. Somit Krishna Dev Burman will have no right whatsoever to claim extension/renewal of the contract or continuation/regularization of services in Madhya Pradesh Forest Department or any other department of the Government of Madhya Pradesh.
2. The Nodal officer may reserve the right to postpone or cancel the assignment and/or shorten or extended its duration. In such case, event of termination of contract, the assignee shall be paid the for the services rendered for carrying out the assignment/work to the date of the termination and the assignee will provide the Nodal Officer with any reports or parts thereof, or any other information and documentation gathered as part of this agreement for completed or partly completed and other assets purchased or created through this assignment prior to the date of termination.
3. The service should be performed, tasks should be undertaken and the works should be executed over the estimated and agreed time framed, and the reports should be submitted at the agreed frequency submission of such reports.
4. The remuneration for the service will be 1, 00000.00/- (One Lakh Rupees only) per month and the amount shall be charged under the budget available with the Ecosystem Services Improvement Project (ESIP). The salary would be revised at the end of the financial year based upon annual performance of the assignee.
5. The Assignee shall pay the taxes, duty fees, levies and other impositions levied under the applicable law.
6. The renewal of the contract will be based on the annual performances of the assignee and the renewal process should start 3 (three) months earlier from the end date of contract, followed by an application from the assignee.
7. The assignee undertakes to carry out the assignment in accordance with the quality standard of professional and ethical competence and integrity having due to the nature and purpose of the assignment.
8. The assignee will be entitled to avail the benefit of TA, and DA for conducting/attending official tour, field works attending workshops/trainings, seminar and will be debited under the budget available with the Green India Mission (GIM) for implementation of ESIP.
9. Assignee shall pay EPF according to EPF fund miscellaneous provisions Act,1952.

o/c

  
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10. The assignee also agrees that all the knowledge and information not within the public domain which may be acquired during the course of carrying out this agreement shall, for all time and for all purpose, be regarded as strictly confidential and held in confidence, and shall not be directly or indirectly disclosed to any other person whatsoever except with the written permission of the Nodal Officer. The Nodal Officer will, however, encourage the assignee to publish the results and findings in peer reviewed publications after the manuscript is reviewed by the assignee.

11. This agreement, its meaning and interpretation and the relation between the parties shall be governed by the laws of Union of India and the State of Madhya Pradesh.

12. The assignee shall be entitled for 13 (Thirteen) days casual leave with 15 (Fifteen) days earned leave including 3 (Three) optional leave. Besides the above, no other kind of leave will be admissible.

13. Before leaving the headquarters for leave, assignee will have to taken written permission from Nodal Officer/in charge Officer.

14. The conduct rules as applicable to the contractual employees of the Department will apply.

15. If assignee wants to leave the project in between, then he/she will have to give 30 day's prior notice.

16. The above terms and conditions are part of the offer of engagement on contractual basis, subject to renewal on the basis of annual performance.



K.Raman, IFS

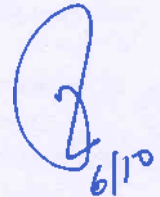
Additional Principal Chief Conservator of Forests  
and Nodal Officer, Green India Mission  
103, Satpura Bhawan  
Madhya Pradesh, Bhopal  
0755 2674268, 9424790089(o),

GIM/2018/-449 (B)

Date : 06-10-2018

Copy to:

- 1- ACS, Forest, Madhya Pradesh.
- 2- PCCF & Hoff Government of Madhya Pradesh, department of Forest, Satpura Bhawan Bhopal.
- 3- Team leader, World Bank, ESIP Project New Delhi.
- 4- Procurement specialist, World Bank, ESIP Project New Delhi.
- 5- Director Budget, Wing-Finance & Budget, PCCF office Satpura Bhawan, Bhopal.
- 6- Shri Somit Krishna Dev Burman s/o Shri G. K. Dev Burman, resident of E/8-51 Basant Kunj, Arera colony, Bhopal, State-Madhya Pradesh.
- 7- Guard File.



Office of the Principal Chief Conservator of Forest and Head of Forest Forces,  
Section: Green India Mission

Office order

(Notification of award of contract for Forestry/Ecosystem Service & Knowledge Management Specialist)

Order No./ GIM/ 48

Bhopal, Dated: 06-10-2018

With reference to the Letter no/GIM/ESIP/2018/303, Bhopal, dated 25/08/2018 subsequent to the selection process and on the recommendation of the technical committee, Ms. Asha Roseline Kujur, was declared as selected candidate and was directed to give her joining in the office of the APCCF Green India Mission till 30/09/2018.

Ms. Asha Roseline Kujur D/o Shri Sushil Kujur, resident of 103, Grace Rose apartment, Jai vignaharta Society, Near Fire Engineering College, Friends Colony, Katol Road Nagpur-440013 has joined the office on 29/09/2018 and is hereby appointed as Forestry/Ecosystem Service & Knowledge Management Specialist for the World Bank aided "Ecosystem Services Improvement Project (ESIP)" for an initial period of 2 (two) years starting from 29/09/2018, the date of his joining, with following terms and conditions:

1. The appointment is purely on the contractual basis for the implementation of the ESIP project and valid till 30/09/2020. However, if deemed necessary, the Nodal Officer and Additional PCCF Green India Mission may extend the contract beyond 30/09/2020 or for the project period of for a terms as deemed appropriate. The extension will be at the discretion of the Nodal Officer and Additional PCCF Green India Mission and Ms. Asha Roseline Kujur will have no right whatsoever to claim extension/renewal of the contract or continuation/regularization of services in Madhya Pradesh Forest Department or any other department of the Government of Madhya Pradesh.
2. The Nodal officer may reserve the right to postpone or cancel the assignment and/or shorten or extent its duration. In such case, event of termination of contract, the assignee shall be paid the for the services rendered for carrying out the assignment/work to the date of the termination and the assignee will provide the Nodal Officer with any reports or parts thereof, or any other information and documentation gathered as part of this agreement for completed or partly completed and other assets purchased or created through this assignment prior to the date of termination.
3. The service should be performed, tasks should be undertaken and the works should be executed over the estimated and agreed time framed, and the reports should be submitted at the agreed frequency submission of such reports.
4. The remuneration for the service will be 65,000/- (Sixty Thousand Rupees only) per month and the amount shall be charged under the budget available with the Ecosystem Services Improvement Project (ESIP). The salary would be revised at the end of the financial year based upon annual performance of the assignee.
5. The Assignee shall pay the taxes, duty fees, levies and other impositions levied under the applicable law.
6. The renewal of the contract will be based on the annual performances of the assignee and the renewal process should start 3 (three) months earlier from the end date of contract, followed by an application from the assignee.
7. The assignee undertakes to carry out the assignment in accordance with the quality standard of professional and ethical competence and integrity having due to the nature and purpose of the assignment.
8. The assignee will be entitled to avail the benefit of TA, and DA for conducting/attending official tour, field works attending workshops/trainings, seminar and will be debited under the budget available with the Green India Mission (GIM) for implementation of ESIP.
9. Assignee shall pay EPF according to EPF fund miscellaneous provisions Act,1952.
10. The assignee also agrees that all the knowledge and information not within the public domain which may be acquired during the course of carrying out this agreement shall, for all time and for all purpose, be regarded as strictly confidential and held in confidence, and shall not be directly or indirectly disclosed to any other person

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whatsoever except with the written permission of the Nodal Officer. The Nodal Officer will, however, encourage the assignee to publish the results and findings in peer reviewed publications after the manuscript is reviewed by the assignee.

11. This agreement, its meaning and interpretation and the relation between the parties shall be governed by the laws of Union of India and the State of Madhya Pradesh.

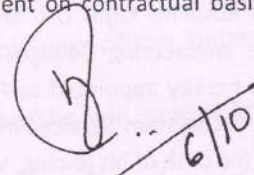
12. The assignee shall be entitled for 13 (Thirteen) days casual leave with 15 (Fifteen) days earned leave including 3 (Three) optional leave. Besides the above, no other kind of leave will be admissible.

13. Before leaving the head quarter for leave, assignee will have to taken written permission from Nodal Officer/in charge Officer.

14. The conduct rules as applicable to the contractual employees of the Department will apply.

15. If assignee wants to leave the project in between, then he/she will have to give 30 day's prior notice.

16. The above terms and conditions are part of the offer of engagement on contractual basis, subject to renewal on the basis of annual performance.



(K.Raman) IFS

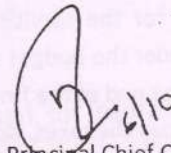
Additional Principal Chief Conservator of Forests  
and Nodal Officer, Green India Mission  
103, Satpura Bhawan  
Madhya Pradesh, Bhopal  
0755 2674268, 9424790089(o),

No./GIM/2018/-----449(A)

Bhopal, Date : 06/10/2018

Copy to:

- 1- ACS, Forest, Madhya Pradesh.
- 2- PCCF & Hoff Government of Madhya Pradesh, department of Forest, Satpura Bhawan Bhopal.
- 3- Team leader, World Bank, ESIP Project New Delhi.
- 4- Procurement specialist, World Bank, ESIP Project New Delhi.
- 5- Director Budget, Wing-Finance & Budget, PCCF office Satpura Bhawan, Bhopal.
- 6- Ms. Asha Roseline Kujur D/o Shri Sushil Kujur, resident of 103, Grace Rose apartment, Jai vignaharta Society, Near Fire Engineering College, Friends Colony, Katol Road Nagpur-440013
- 7- Guard File.



Additional Principal Chief Conservator of Forests  
and Nodal Officer, Green India Mission  
103, Satpura Bhawan  
Madhya Pradesh, Bhopal

**O/o The Principal Chief Conservator of Forest & Head of Forest Force, M.P.**  
**Green India Mission**  
**Satpura Bhawan, Bhopal (M.P.)-462004**  
Phone:- 0755-2524305, E-Mail :apccfgim@mp.gov.in

Ref./GIM/2019/ 174

Bhopal, Date :- 27/2/19

To

**The Task Team Leader**  
**Environment & Natural Resources Global Practice**  
**World Bank**

**Subject: ESIP-M.P. receipt of reimbursement claim for FY 2018-19.**

**Ref: ESIP-SPIU M.P. claim reimbursement request made to Aids Accounts & Audit Div. MoFinance, DEA, New Delhi**

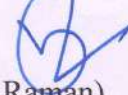
-----  
A claim reimbursement request was made by SPIU M.P. to Aids Accounts & Audit Division, Ministry of Finance, DEA, New Delhi for an amount of Rs. 16.27 Lakh only (Sixteen Lakh Twenty Seven Thousand) for the quarter Oct. to Dec. 2018 in February 2019.

2. This is to inform you that an approval by the Task Team Leader, World Bank towards the e-claim for the period ending December 2018 is required for the Aids Accounts & Audit Division, DEA for releasing the reimbursement claim.

3. Kindly provide the TTL approval for the aforesaid claim for its submission to CAAA office as desired. A copy of the IUFR is also enclosed for information.

Encl.: Copy enclosed as mentioned above

With Regards



(K. Raman)  
Addl. P.C.C.F  
(Green India Mission)  
Madhya Pradesh, Bhopal

Ref./GIM/2019/ 175

Bhopal, Date :- 27/2/19

Copy to:

- ✓ 1) Sr. PA to the Principle Chief Conservator of Forests & HoFF, M.P.
- 2) Dr. Anupam Joshi, Co-Team Leader ESIP, World Bank 70, Lodi Estate, New Delhi 110003
- 3) Mr. Anantha Krishna Karur, Finance Specialist, World Bank 70, Lodi Estate, New Delhi 110003
- 4) Deputy CF, Cash O/o PCCF (Coordination), Satpura Bhawan, Bhopal M.P.  
For information and necessary action

Encl.: Copy enclosed as mentioned above



Addl. P.C.C.F  
(Green India Mission)  
Madhya Pradesh, Bhopal

o/c

**Aid Accounts & Audit Division  
Claim Monitoring Register**

From Date	01/04/2018	Donor Id	IBRD	Loan Id	TF0A3990	Claim Type	All Type Of Claims				
To Date	11/02/2019	State Id	MP	Status	Disbursed						
Sl	Loan	Claim Identification Details					Application Details				
No	No	Clm SI No.	Id/Sub App. No	Date	Curr	Eligible AMT	No.	Date	Curr / Admitted Amt	Claim Type	Status
<b>IBRD - International Bank for Reconstruction and Development</b>											
<b>IP - Madhya Pradesh SFD_MP</b>											
1	TF0A3990	1	2018001389 / 1	27/07/2018	INR	4,416,000.00	WA-1	30/07/2018	INR	4,416,000.00	Disbursed
2	TF0A3990		2018001728 / 1	29/08/2018	INR	4,416,291.00				0.00	Rejected
3	TF0A3990	2	2018002708 / 1	12/11/2018	INR	1,189,000.00	WA-2	26/11/2018	INR	1,189,000.00	Disbursed
4	TF0A3990		2018003847 / 1	11/02/2019	INR	1,627,276.00				0.00	Claim Received

  
 Addl Principal Chief Conservator of Forest  
 Green India Mission  
 Madhya Pradesh, Bhopal



from_dt	<input type="text" value="01/04/2018"/>	to_dt	<input type="text" value="11/02/2019"/>
donor_id	<input type="text" value="IBRD"/>	state_id	<input type="text" value="MP"/>
loan_id	<input type="text" value="TF0A3990"/>	withdrawal_proc	<input type="text" value="%"/>
forward_to	<input type="text" value="%"/>	claim_status	<input type="text" value="1233444456"/>
first_group	<input type="text" value="D"/>	dsl_stat	<input type="text" value="012"/>
sector_id	<input type="text" value="ALL"/>	clm_app_status	<input type="text" value="%"/>

[View Report](#)

of 1

**Aid Accounts & Audit Division  
Claim Monitoring Register**

<b>From Date</b>	01/04/2018	<b>Donor Id</b>	IBRD	<b>Loan Id</b>	TF0A3990	<b>Claim Type</b>	All Type Of Claims
<b>To Date</b>	11/02/2019	<b>State Id</b>	MP	<b>Status</b>	Disbursed		

SL	Loan	Claim Identification Details					Application Details				
No	No	CIm SI No.	Id/Sub App. No	Date	Curr	Eligible AMT	No.	Date	Curr / Admitted Amt	Claim Type	Status

IBRD - International Bank for Reconstruction and Development

MP - Madhya Pradesh SFD\_MP

1	TF0A3990	1	2018001389 / 1	27/07/2018	INR	4,416,000.00	WA-1	30/07/2018	INR	4,416,000.00	Disbursed
2	TF0A3990		2018001728 / 1	29/08/2018	INR	4,416,291.00				0.00	Rejected
3	TF0A3990	2	2018002708 / 1	12/11/2018	INR	1,189,000.00	WA-2	26/11/2018	INR	1,189,000.00	Disbursed
4	TF0A3990		2018003847 / 1	11/02/2019	INR	1,627,276.00				0.00	Claim Re

Print Date: 11/02/2019

Page

  
 Addl. Principal Chief Conservator of Forest  
 Green India Mission  
 Madhya Pradesh - Bhopal

*Handwritten initials*

Office of The Principal Chief Conservator of Forest & (Head of Forest Force)  
(Green India Mission Wing)  
Satpuda Bhavan, Bhopal (M.P.)  
Phone:- 0755- 2524305 E-Mail [apccfgim@mp.gov.in](mailto:apccfgim@mp.gov.in)

No./GIM/ESIP/2019/.....109.....

Bhopal, Date.....4/2/19.....

To,

Shri. J.P. Singh,  
Aid Accounts & Audit Division,  
Ministry of Finance DEA  
5<sup>th</sup> Floor, 'B' Wing, Jan path Bhawan,  
New Delhi-110001

Subject:Project ESIP (Ecosystem Services Improvement Project) reimbursement claim information to IUFR uploaded for your website data.

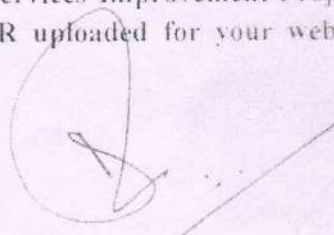
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Respected Sir,

It is intimated to Under the project ESIP (Ecosystem Services Improvement Project) reimbursement claim information dated..4.1.22.19To IUFR uploaded for your website [www.CAAA.gov.in](http://www.CAAA.gov.in). Information softcopy send you by email.

With regards,

Enclosed: As above



(K. Raman)  
Addl. P.C.C.F & Nodal Officer  
(Green India Mission)  
Madhya Pradesh, Bhopal


us/f

Loan/Credit No: TF0A3990 Name of Project: Ecosystem Services Improvement Project

### Certificate

This is to certify that:-

1. The expenditures covered by the application are eligible for financing out of the proceeds of the loan/financing/grant in accordance with the terms of the related legal agreement(s).
2. The expenditure have not been financing for the expenditure from any other source in future.
3. The project is not under SOE suspension due to non-production of audit report to AIIB or any other reason.
4. List of prior review contract duly filled-in is enclosed. In case of "NIL" informaton, "Nil" certificate is attached.
5. There is no category where expenditure is overdrawn.
6. Treatment of taxes is as per the terms and conditions of Agreement and there is no ineligible expenditure beyond the scope of contract.
7. The amount claimed in this application has not been drawn earlier.
8. All IUFs as given in disbursement letter of 109 Dt. 4/02/19 duly signed by the authorized signatory.
9. The undersigned will make all records related to the expenditures covered by this Application for withdrawal available for review by auditors and by----- staff.

  
Addl. Principal Chief Conservator of Forest  
(Green India Mission)  
Madhya Pradesh, Bhopal



Ecosystem Services Improvement Project - State Forest Department of Madhya Pradesh  
IUFRR for the period 01/10/2018 to 31/12/2018  
Statement of expenditure by Components

IUFRR-1  
Rs. In lakhs

Particulars	Total component Cost	Current Quarter expenditure	Year to date	Cumulative to Date
<b>Components</b>				
A. Strengthen Capacity of Government Institutions in Forestry and Land Management Programs	6159000	505800	921081	1426881
B. Investments for Improving Forest Quality in Selected Landscapes	104658500	293000	0	293000
C. Scaling-up Sustainable Land and Ecosystem Management in Selected Landscapes	5016500	18643	131562	150205
D. Project Management and Coordination	1700000	809833	136466	946299
<b>TOTAL PROJECT EXPENDITURE</b>	<b>117534000</b>	<b>1627276</b>	<b>1189109</b>	<b>2816385</b>
<b>FINANCED BY:</b>				
GO/State Government	0	0	0	0
World Bank funds	127067000	1627276	1189109	2816385
<b>TOTAL FINANCING</b>	<b>127067000</b>	<b>1627276</b>	<b>1189109</b>	<b>2816385</b>

FA

Note

1. This statement is prepared on a cash basis of accounting as per provisions of the Financial Manual for the project and is reconciled with Treasury.

Project Director  
Date  
Addl. Principal Chief Conservator of Forest  
Green India Mission  
Madhya Pradesh, Bhopal

↓

Ecosystem Services Improvement Project - State Forest Department of Madhya Pradesh  
 IUPR for the period 01/10/2018 to 31/12/2018  
 Statement of Total Source of fund, component wise expenditure and forecast details.

IUPR-2  
 Rs. In lakhs

Particulars	Current Period	Year till date	Cumulative to Date	Forecast for next six months (xxxx-xx to xxxx-xx)
<b>Total Receipts</b>				
GOI/State Government	0	0	0	
World Bank funds	1627276	1189109	2816385	
<b>Total</b>	<b>1627276</b>	<b>1189109</b>	<b>2816385</b>	<b>0</b>
<b>Components</b>				
A. Strengthen Capacity of Government Institutions in Forestry and Land Management Programs	505800	921081	1426881	0
B. Investments for Improving Forest Quality in Selected Landscapes	293000	0	293000	0
C. Scaling-up Sustainable Land and Ecosystem Management in Selected Landscapes	18643	131562	150205	0
D. Project Management and Coordination	809833	136466	946299	0
Advances paid/adjusted			0	0
<b>Total</b>	<b>1627276</b>	<b>1189109</b>	<b>2816385</b>	<b>0</b>

FA  
 Date

Project Director  
 Date

Note

1. This statement is prepared on a cash basis of accounting as per provisions of the Financial Manual for the project and is reconciled with Treasury.

Addl Principal Chief Conservator of Forest  
 Green India Mission  
 Madhya Pradesh, Bhopal

*for*  
 Act

*dr*

Ecosystem Services Improvement Project - State Forest Department of Madhya Pradesh  
 IUFRR for the period 01/10/2018 to 31/12/2018  
 Statement of Component & sub-component wise expenditure details with cumulative expenditure figures.

IUFRR-3  
Rs. in lakhs

	Expenditure by Component		Expenditure	
	Current Period	Year to Date	Year to Date	Cumulative to Date
A. Strengthen Capacity of Government Institutions in Forestry and Land Management Programs				
A1	505800	921081	921081	1426881
A2	0	0	0	0
<b>SUB TOTAL (A)</b>	<b>505800</b>	<b>921081</b>	<b>921081</b>	<b>1426881</b>
B. Investments for Improving Forest Quality in Selected Landscapes				
B1	293000	0	0	293000
B2	0	0	0	0
<b>SUB TOTAL (B)</b>	<b>293000</b>	<b>0</b>	<b>0</b>	<b>293000</b>
C. Scaling-up Sustainable Land and Ecosystem Management in Selected Landscapes				
C1	18643	131562	131562	150205
C2	0	0	0	0
<b>SUB TOTAL (C)</b>	<b>18643</b>	<b>131562</b>	<b>131562</b>	<b>150205</b>
D. Project Management and Coordination				
D1	809833	136466	136466	946299
D2	0	0	0	0
<b>SUB TOTAL (D)</b>	<b>809833</b>	<b>136466</b>	<b>136466</b>	<b>946299</b>
<b>SUB TOTAL (E)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL (F)=[A+B+C+D+E]</b>	<b>1627276</b>	<b>1189109</b>	<b>1189109</b>	<b>2816385</b>

FA  
Date

Note

1. This statement is prepared on a cash basis of accounting as per provisions of the Financial Manual for the project and is reconciled with Treasury.

Project Director  
Date

ADDL. Principal Chief Conservator of Forest  
Green India Mission  
Madhya Pradesh, Bhopal



*for Act*

Ecosystem Services Improvement Project - State Forest Department of Madhya Pradesh  
 IUFR for the period 01/10/2018 to 31/12/2018  
 List Of Claims submitted to World Bank

IUFR-4  
 Rs. In lakhs

Claim Date	Period	IUFR No.	RF/WF No.	Expenditure Reported	Claims Requested	Claims Reimbursed
29-08-18	1/04/2017 to 31/03/2018	201800138/1	TF0A3990	44.16 (100%)	44.16 (100%)	44.12
12-11-18	1/04/2018 to 30/09/2018	2018002708/1		11.89 (100%)	11.89 (100%)	11.75

FA  
 Date

Note

1. This statement is prepared on a cash basis of accounting as per provisions of the Financial Manual for the project and is reconciled with Treasury.

Project Director  
 Date



Addl. Principal Chief Conservator of Forest  
 Green India Mission  
 Madhya Pradesh, Bhopal










## 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 were 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 geoinformatics 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 in 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 handy 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. In order 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 Dharendra 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 Dharendra 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

# कार्यालय प्रधान मुख्य वन संरक्षक

(शाखा-सूचना प्रौद्योगिकी) वन विभाग, सतपुड़ा भवन, मध्यप्रदेश भोपाल

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वेबसाईट: www.mpforest.gov.in

क्रमांक / सू.प्रौ. / 674.....

भोपाल, दिनांक : 03/07/18

प्रति,

वनमण्डलाधिकारी (क्षेत्रीय),

सतना, डिण्डोरी, दक्षिण बालाघाट, दक्षिण सिवनी,

पश्चिम बैतूल, सीहोर, उत्तर बैतूल, होशंगाबाद, रायसेन,

धार, झाबुआ, बड़वानी, सेंधवा, दक्षिण सागर, दक्षिण पन्ना,

श्योपुर, शिवपुरी, उमरिया (म.प्र.)

**विषय :** वर्ष 2017-18 एवं 2018-19 में ईको सिस्टम सर्विसेस इम्प्रुवमेंट परियोजना के तहत अनुमोदित APO में सूचना प्रौद्योगिकी संबंधी प्रावधानों पर राशि व्यय करने बावत्।

**संदर्भ :** अ.प्र.मु.व.सं.(ग्रीन इंडिया मिशन) का आपको संबोधित पत्र क्रमांक/जी.आई.एम. /2018/96, भोपाल, दिनांक 16.04.2018.

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उपरोक्त विषयान्तर्गत कृपया संदर्भित पत्र का अवलोकन करने का कष्ट करें (सुलभ संदर्भ के लिये पत्र की छायाप्रति परिशिष्ट-1 पर संलग्न है)। पत्र के माध्यम से शाखा को वर्ष 2017-18 के लिये 15.25 लाख रुपये एवं वर्ष 2018-19 के लिये राशि रु. 37.50 लाख का आवंटन किया गया है। प्रावधानित राशि का व्यय निम्नानुसार किया जायेगा :-

1. प्रत्येक वनमण्डल में संलग्न परिशिष्ट-2 में दिये गये प्रावधान अनुसार व्यय किया जायेगा। प्रावधान से अधिक राशि का व्यय किसी भी परिस्थिति में नहीं किया जाये।
2. प्रस्तावित कार्यों में भौगोलिक सूचना प्रणाली से संबंधित प्रशिक्षण वनमण्डल के अमले को दिया जाना है। विभिन्न वनमण्डलों में प्रशिक्षण के लिये तिथि एवं प्रशिक्षण देने वाले विशेषज्ञ का नाम संलग्न परिशिष्ट-3 में दिया गया है।

  
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यदि किसी कारणवश निर्धारित तिथि में प्रशिक्षण आयोजित करना संभव नहीं है तो कृपया अन्य तिथि का प्रस्ताव शाखा को प्रेषित करें।

3. प्रशिक्षण 02 दिवसीय है, प्रथम दिवस प्रस्तुतीकरण एवं द्वितीय दिवस हेण्ड्सऑन आस-पास के वनक्षेत्रों में किया जायेगा। आपके वनमण्डल में प्रथम दिवस के लिये संलग्न परिशिष्ट-4 में जिला मुख्यालय में जिला ई.-गवर्नेस सोसायटी द्वारा विकसित सुविधा को संलग्न परिशिष्ट-3 में दी गई तिथि के लिये आरक्षित किया जाये। यह सुविधा रुपये 5,000/- का भुगतान कर आरक्षित कराई जा सकती है। कृपया सुनिश्चित करें कि सुविधा का आरक्षण तत्काल हो जाये।
4. जिला ई.-गवर्नेस सोसायटी द्वारा चाय, नाश्ता एवं भोजन की व्यवस्था नहीं की जाती है। उक्त व्यवस्था आपके द्वारा स्थानीय रूप से की जायेगी। द्वितीय दिवस सम्पूर्ण दिन स्थानीय वनक्षेत्र में प्रशिक्षण दिया जायेगा, इसके लिये भी पैक लंच की व्यवस्था स्थानीय रूप से की जायेगी। चाय, नाश्ता एवं भोजन के लिये बजट आवंटित किया गया है।
5. सर्वे के लिये आवश्यक जीपीएस उपकरण का क्रय परिशिष्ट-2 में उल्लेखित वनमण्डल (सीहोर सामान्य वनमण्डल) द्वारा किया जायेगा। इसके स्पेसिफिकेशन संलग्न परिशिष्ट-5 में दिये गये हैं। उक्त उपकरण GeM पोर्टल के माध्यम से संलग्न परिशिष्ट-2 में दिये गये विवरण में वर्णित संख्या अनुसार क्रय किये जायेंगे। यदि उपकरण कम राशि में उपलब्ध होते हैं तो बची हुई राशि का उपयोग अतिरिक्त जीपीएस उपकरण क्रय के लिये ही किया जाये।
6. डेनसियोमीटर का क्रय देहरादून अथवा रूडकी में इस तरह के उपकरण का विक्रय करने वाले वेण्डर से किया जा सकता है। यदि इसमें किसी सहायता की आवश्यकता हो तो शाखा से संपर्क कर सकते हैं।

संलग्न : उपरोक्तानुसार।

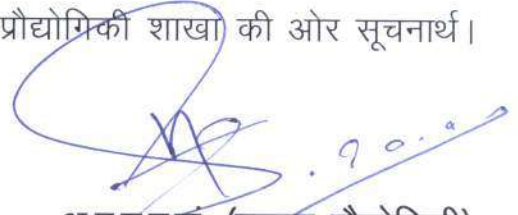


(अनुराग श्रीवास्तव)  
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(Information Technology)  
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**प्रतिलिपि :**

1. अपर प्रधान मुख्य वन संरक्षक (ग्रीन इंडिया मिशन) म.प्र. की ओर सूचनार्थ, आपसे दूरभाष पर हुई चर्चा के अनुसार कृपया दर्शाये गये वनमण्डलों को आवश्यक राशि मुक्त करने का कष्ट करें।
2. मुख्य वन संरक्षक (क्षेत्रीय) रीवा, जबलपुर, बालाघाट, सिवनी, बैतूल, भोपाल, इन्दौर, खंडवा, होशंगाबाद, सागर, छतरपुर, ग्वालियर, शिवपुरी एवं शहडोल (म.प्र.) की ओर सूचनार्थ। कृपया उक्त तालिका अनुसार नियत तिथि पर प्रशिक्षण कार्यक्रम में उपस्थित होकर आवश्यक सहयोग प्रदान करें।
3. जी.आई.एस. एवं रिमोट सेंसिंग टीम, सूचना प्रौद्योगिकी शाखा की ओर सूचनार्थ।



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## मदवार आवंटित राशि का विवरण

राशि लाख रुपये में

विवरण	सतना	डिण्डोरी	दक्षिण बालाघाट	दक्षिण सिवनी	पश्चिम बैतूल	सीहोर	उत्तर बैतूल	होशंगाबाद	रायसेन	धार	झाबुआ	बड़वानी	सेंघवा	दक्षिण सागर	दक्षिण पन्ना	श्योंपुर	शिवपुरी	उमरिया
जिला ई. गवर्नेस केन्द्र का आरक्षण	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
चाय, नाश्ता एवं भोजन (50 व्यक्ति 02 दिन)	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
जीआईएस उपकरण (04 नग)	0	0	0	0	0	41.22	0	0	0	0	0	0	0	0	0	0	0	0
डेनसियोमीटर उपकरण (01 नग)	0	0	0	0	0	1.8	0	0	0	0	0	0	0	0	0	0	0	0
वनमण्डल योग	0.22	0.22	0.22	0.22	0.22	43.24	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22

कार्यालय प्रधान मुख्य वन संरक्षक, सतपुड़ा भवन, भोपाल  
(कक्ष - ग्रीन इंडिया मिशन)

कार्यालय-दूरभाष: 0755-2524305, फ़ैक्स: 0755-2763390, ई-मेल: [apccfgim@mp.gov.in](mailto:apccfgim@mp.gov.in)

क्रमांक / जी.आई.एम. / 2018 / 96

भोपाल, दिनांक 16/04/18

प्रति,

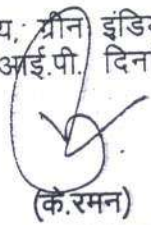
वनमण्डलाधिकारी (क्षेत्रीय)  
सतना, डिंडोरी, दक्षिण बालाघाट, दक्षिण सिवनी,  
पश्चिम बैतूल, सीहोर, उत्तर बैतूल, होशंगाबाद  
रायसेन, धार, झाबुआ, बड़वानी, सेंधवा,  
दक्षिण सागर, दक्षिण पन्ना, श्योपुर, शिवपुरी, उमरिया।  
मुख्य वन संरक्षक (क्षेत्रीय)  
रीवा, जबलपुर, बालाघाट, सिवनी, बैतूल, भोपाल,  
इंदौर, खंडवा, होशंगाबाद, सागर, छतरपुर,  
ग्वालियर, शिवपुरी, शहडोल, म0प्र0

विषय:- वर्ष 2017-18 एवं 2018-19 के लिए इको सिस्टम सर्विसेस इम्पूवमेंट प्रोजेक्ट परियोजना के ए.पी.ओ. बाबत।

1. इको सिस्टम सर्विसेस इम्पूवमेंट प्रोजेक्ट परियोजना के क्रियान्वयन हेतु राष्ट्रीय स्टीयरिंग कमिटी की बैठक दिनांक 26.03.2018 को दिल्ली में सम्पन्न हुई।  
मध्यप्रदेश द्वारा वर्ष 2017-18 एवं 2018-19 का ए.पी.ओ. प्रस्तुत किया गया।
2. भारत शासन, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय के पत्र दिनांक 9 अप्रैल 2018 द्वारा बैठक का कार्यवाही विवरण प्राप्त हुआ है, जो मूलतः आवश्यक कार्यवाही हेतु संलग्न प्रस्तुत है। कृपया निर्देशों के अनुसार कार्य करना तत्काल प्रारम्भ करें।

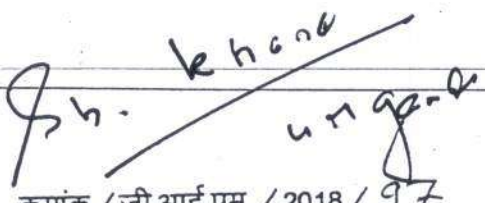
संलग्न -

- (i) ए.पी.ओ. 2017-18, 2018-19,
- (ii) भारत शासन, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, ग्रीन इंडिया मिशन के पत्र दिनांक एफ.न. 09-02/2014/जी.आई.एम. -इ.एस.आई.पी. दिनांक 9 अप्रैल 2018 की प्रति।

  
(कै.रमन)

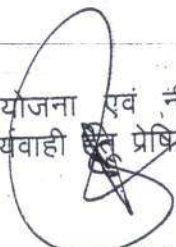
अपर प्रधान मुख्य वन संरक्षक  
(ग्रीन इंडिया मिशन)  
प्रदेश, भोपाल

भोपाल, दिनांक 16/04/18



क्रमांक / जी.आई.एम. / 2018 / 97

- प्रतिलिपि :-
1. निज सहायक, प्रधान मुख्य वन संरक्षक एवं वन बल प्रमुख को सूचनार्थ।
  2. प्रधान मुख्य वन संरक्षक अनुसंधान एवं विस्तार
  3. प्रधान मुख्य वन संरक्षक मानव संसाधन विकास
  4. अपर प्रधान मुख्य वन संरक्षक, सूचना प्रौद्योगिकी विकास को सूचनार्थ व आवश्यक कार्यवाही हेतु प्रेषित।
  5. सदस्य सचिव, जैव विविधता बोर्ड, मध्यप्रदेश भोपाल।
  6. संचालक, राज्य वन अनुसंधान संस्थान
  7. प्रमुख सलाहकार, एवं नोडल अधिकारी, पी.पी.एस.यू., योजना एवं नीति सहायक इकाई, मध्यप्रदेश राज्य योजना आयोग को सूचनार्थ एवं अग्रिम कार्यवाही हेतु प्रेषित।



अपर प्रधान मुख्य वन संरक्षक  
(ग्रीन इंडिया मिशन)  
मध्य प्रदेश, भोपाल

## प्रशिक्षण देने के लिये निर्धारित की गई तिथि एवं प्रशिक्षक

क्र.	दिनांक	वनमण्डल	प्रशिक्षक का नाम
1.	03 व 04 अगस्त 2018	सतना	अपर्णा द्विवेदी, रविन्द्र धाकड़
2.	03 व 04 अगस्त 2018	होशंगाबाद	आदित्य सक्सेना, दीपक तिवारी
3.	06 व 07 अगस्त 2018	उमरिया	अपर्णा द्विवेदी, रविन्द्र धाकड़
4.	06 व 07 अगस्त 2018	रायसेन	वीना मौर्य, आदित्य सक्सेना
5.	06 व 07 अगस्त 2018	दक्षिण पन्ना	संगीता यादव, परवेज खान
6.	09 व 10 अगस्त 2018	सीहोर	वीना मौर्य, दीपक तिवारी
7.	09 व 10 अगस्त 2018	दक्षिण सागर	संगीता यादव, परवेज खान
8.	20 व 21 अगस्त 2018	पश्चिम बैतूल	आशीष श्रीवास्तव, धनीराम माली
9.	23 व 24 अगस्त 2018	उत्तर बैतूल	आशीष श्रीवास्तव, धनीराम माली
10.	23 व 24 अगस्त 2018	डिण्डोरी	आकाश डेकाटे, संगीता यादव
11.	28 व 29 अगस्त 2018	दक्षिण सिवनी	रविन्द्र धाकड़, आकाश डेकाटे
12.	28 व 29 अगस्त 2018	धार	धनीराम माली, आशीष श्रीवास्तव
13.	31 अगस्त व 1 सितम्बर 2018	झाबुआ	धनीराम माली, आशीष श्रीवास्तव
14.	31 अगस्त व 1 सितम्बर 2018	दक्षिण बालाघाट	आकाश डेकाटे, रविन्द्र धाकड़
15.	28 व 29 अगस्त 2018	बड़वानी	परवेज खान, आदित्य सक्सेना
16.	28 व 29 अगस्त 2018	श्योपुर	दीपक तिवारी, अपर्णा द्विवेदी
17.	31 अगस्त व 1 सितम्बर 2018	शिवपुरी	दीपक तिवारी, अपर्णा द्विवेदी
18.	31 अगस्त व 1 सितम्बर 2018	संघवा	परवेज खान, आदित्य सक्सेना


  
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 Madhya Pradesh, Bhopal

**प्रशिक्षण देने के लिए संशोधित की गई तिथि एवं प्रशिक्षक**

क्र.	दिनांक	वनमण्डल	प्रशिक्षक का नाम
1	03 व 04 मई, 2019	सतना,,	अपर्णा द्विवेदी, रविन्द्र धाकड़,
2	03 व 04 मई, 2019	होशंगाबाद,	आदित्य सक्सेना, दीपक तिवारी
3	06 व 07 मई, 2019	उमरिया,	अपर्णा द्विवेदी, रविन्द्र धाकड़
4	06 व 07 मई, 2019	रायसेन	वीना मौर्य, आदित्य सक्सेना
5	06 व 07 मई, 2019	दक्षिण पन्ना	संगीता यादव, परवेज खान
6	09 व 10 मई, 2019	सीहोर	वीना मौर्य, दीपक तिवारी
7	13 व 14 मई, 2019	दक्षिण सागर	संगीता यादव, परवेज खान
8	15 व 16 मई, 2019	पश्चिम बैतुल	आशीष श्रीवास्तव, धनीराम माली
9	17 व 18 मई, 2019	उत्तर बैतुल	आशीष श्रीवास्तव, धनीराम माली
10	21 व 22 मई, 2019	डिंडोरी	आकाश डेकाटे, संगीता यादव,
11	23 व 24 मई, 2019	दक्षिण सिवनी	रविन्द्र धाकड़,, आकाश डेकाटे
12	26 व 27 मई, 2019	धार	आशीष श्रीवास्तव, धनीराम माली
13	28 व 29 मई, 2019	झाबुआ	आशीष श्रीवास्तव, धनीराम माली
14	30 व 31 मई, 2019	दक्षिण बालाघाट	रविन्द्र धाकड़,, आकाश डेकाटे
15	03 व 04 जून, 2019	बड़वानी	परवेज खान, आदित्य सक्सेना,
16	05 व 06 जून, 2019	श्योपुर	दीपक तिवारी, अपर्णा द्विवेदी
17	10 व 11 जून, 2019	शिवपुरी	दीपक तिवारी, अपर्णा द्विवेदी
18	12 व 13 जून, 2019	सेंधवा	परवेज खान, आदित्य सक्सेना,

## **Geographical Information System (GIS) and Geospatial Data Collection: Capacity Building Program from the fund allocated under the Green India Mission (GIM)**

1. **Introduction:** Green India Mission (GIM) is being implemented in pilot divisions (list appended at Annexure-1) of Madhya Pradesh. The Project has identified Micro Watershed for active management so that the effect of inputs can be demonstrated in terms of the increase in carbon sequestration, biodiversity conservation and its impact on the livelihood of the people dependent on the ecosystem. The project requires lot of Geospatial Data so as to make use of Remote Sensing (RS) Technologies for change detection. In order to collect Geospatial Data and validate the results obtained by analysis of the RS Data the field staff of the 18 identified Divisions needs to be trained in the fundamentals of GIS and the methods of collecting and validating field data.
2. **Courseware:** The intention of the capacity building program is to leverage the existing IT capabilities for disseminating the concepts of GIS, it is proposed to have a two-day training the first day for developing basic understanding of GIS and the second day field training for hands on practice for collection of GIS data from the project perspective. The following topics are proposed to be covered:
  - a. **Day 1:**
    - i. Basics of GIS: Geographical data - Concept of geolocation Latitude and Longitude; Point, Line and Polygon Data; introduction to GIS software 1 lecture of 60 minutes with multimedia inputs.
    - ii. Basics of Remote Sensing: Satellite Image and resolution; Density Cover estimation process and change detection, use of satellite imagery as base map 1 lecture of 60 minutes with multimedia input.
    - iii. Basics of GPS: Global Positioning System fundamentals and use in GIS data gathering. Using apps for collection of data. Collection of point, line and polygon data. 1 lecture of 60 minutes with multimedia input.
    - iv. Hands on open-source GIS software QGIS: 2 lectures of 60 minutes.
    - v. Browsing maps made by the IT Section of the Forest Department 1 lecture 60 minutes' hands on.
  - b. **Day 2:** One day hands on training on the use of GPS device for collection of Point, Line and Polygon data and survey of locations. Use of App for estimation of density.

3. **Capacity Building roll-out:** Training of this nature will require a fully equipped computer lab. The Department of IT Government of MP have developed District e-Governance Centres in all the districts of the State. These facilities have networked Computers and Multimedia equipments. These Centres will be used for Multimedia Lectures and for hands on training. Faculty for the training will be provided by the IT Section of the Forest Department. The training on the use of GPS will be provided by the IT Section. All the Staff of the Divisions proposed in the Project will participate in the training.

4. **Budget Required:** Cost in Lakh Rs.

S. No	Item	Unit Cost	Number	Total Cost in Lakh Rs.	Remarks
1	Hiring District e-Governance Centre	Rs. 5000/-	18	0.90	Booking is to be made in advance
2	Food and Tea	Rs 200/-	18X50X2	3.60	Assuming 50 persons participate from 1 division 2 days training
3	Printed Material	Rs 150/-	18X50	1.35	Cost of printing training booklet
4	Honorarium	Rs 1000/-	18X7	1.26	5 class room lectures and two persons for the field visit
5	GIS Equipment	Rs 40000/-	65	26.00	Procurement of GNSS equipment for collecting field data 3 per division
6	Densitometer	Rs 10000/-	19	1.90	Procurement of device one for the trainer one for each

					division
7	Contingent Expenditure	Lump Sum	-	3.39	Travel and other incidentals
<b>Grand Total</b>				37.50	Lakh Rs

5. **Data Analysis:** The IT section will collect, collate and analyse the data obtained from the field after the Training. This data will be used as a benchmark for the assessment of the results after the inputs are applied/provided to the forest/stakeholders. This GIS Data will be published on the website and will form a part of the GIS Database of the Forest Department.