

# National Mission for a Green India



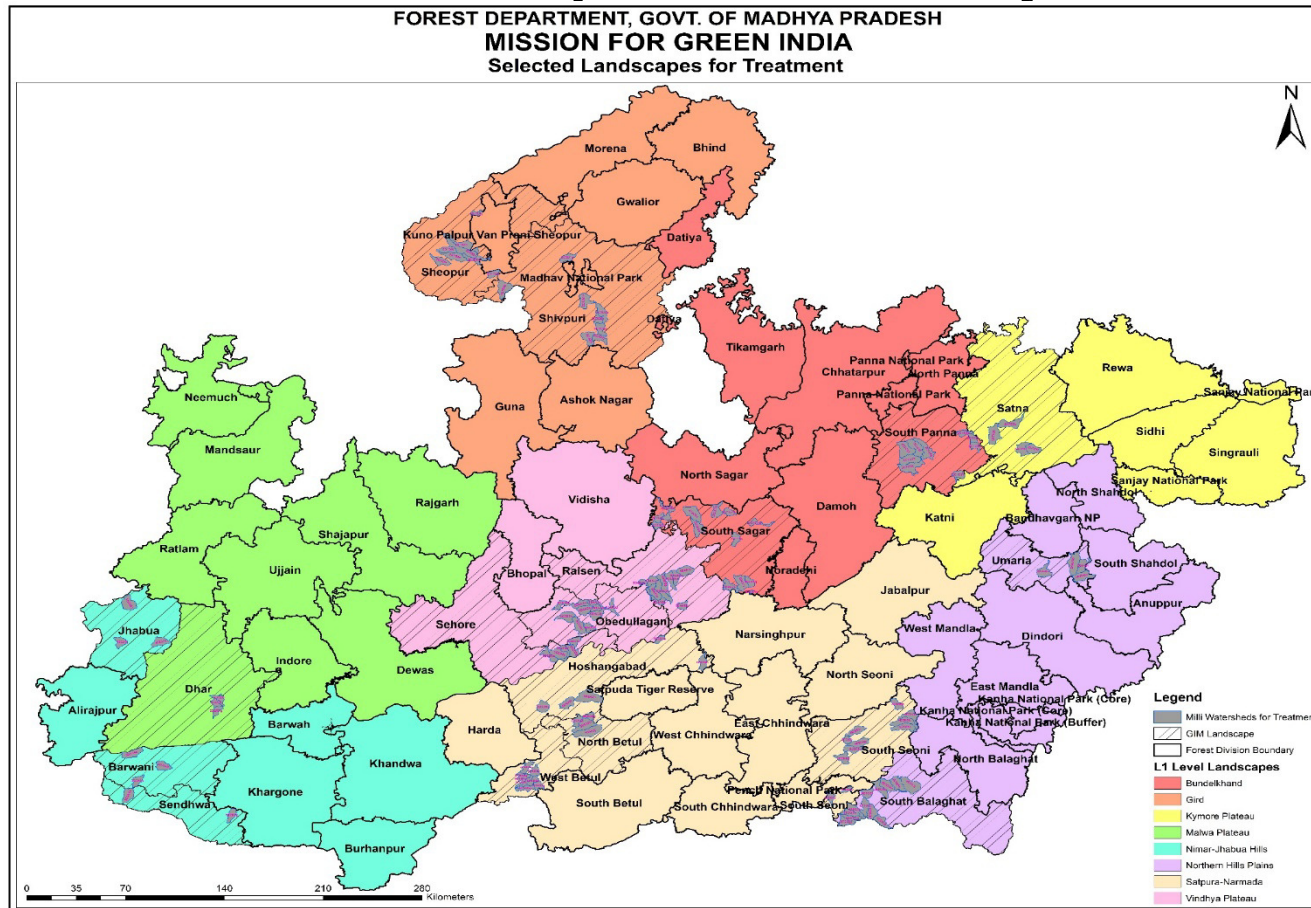
**National Executive Council : 5<sup>th</sup> Meeting**  
**Ministry of Environment, Forest & Climate Change**  
**Date- 17-07-2019**



**State- Madhya Pradesh**

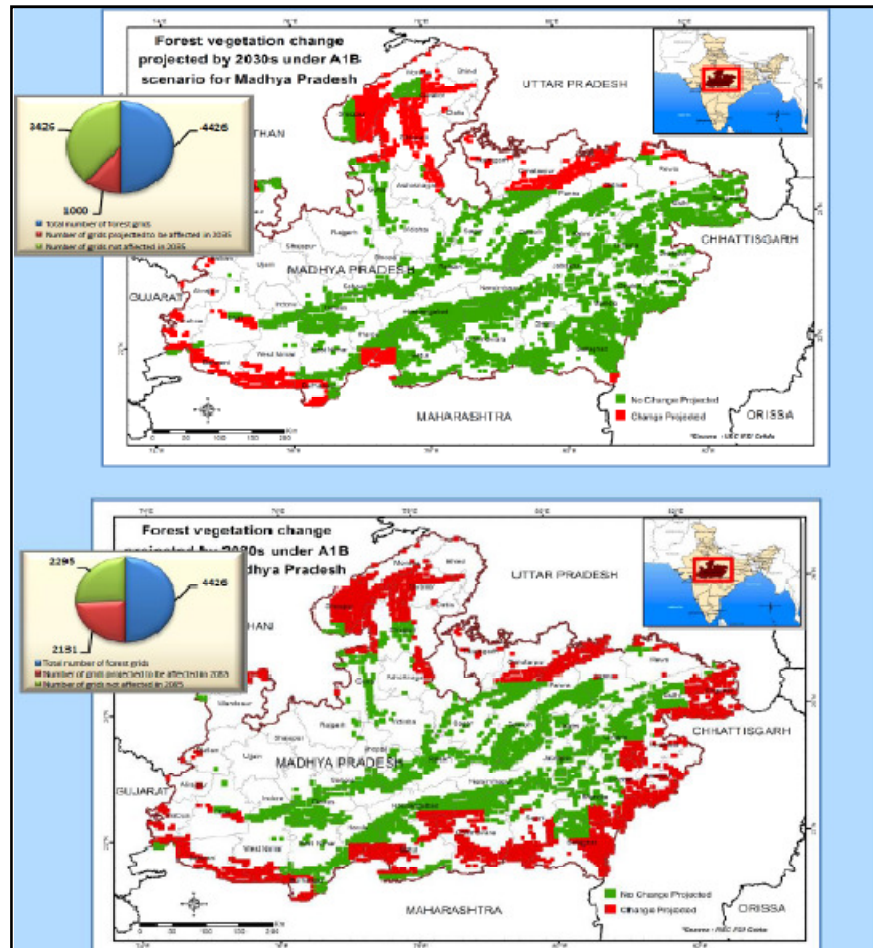
**K. Raman, IFS, APCCF, Green India Mission, MP**

# Landscape for GIM Madhya Pradesh



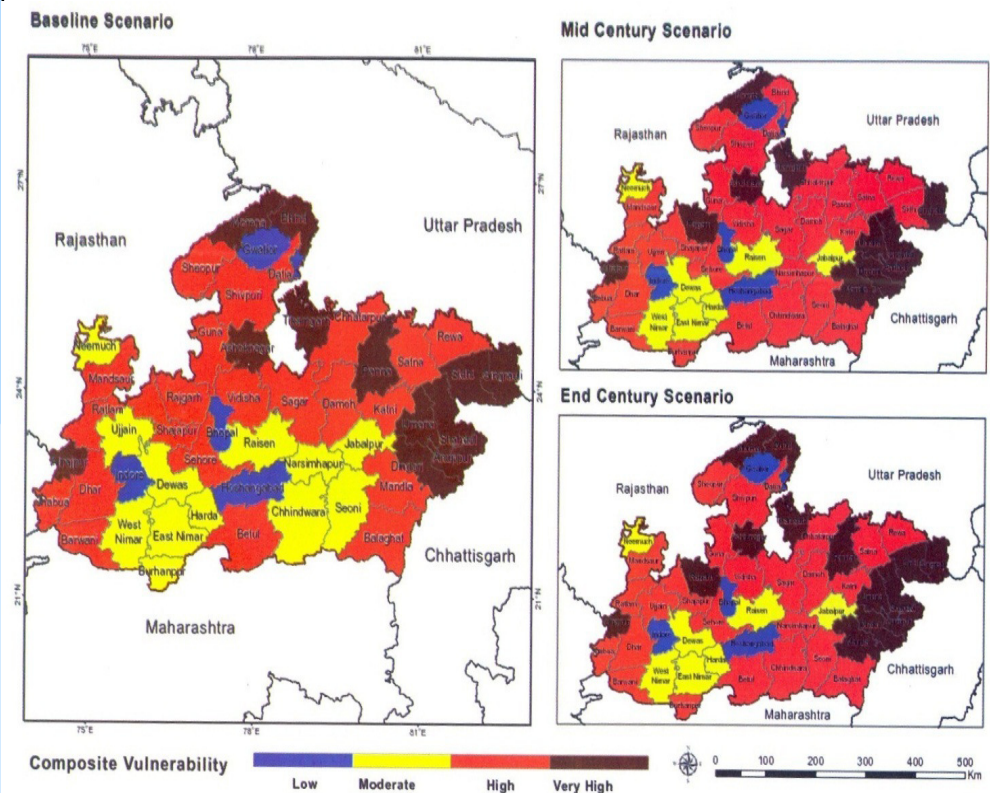
1. L1 landscapes : 8 (based on 11 agro-climatic zones)
2. L2 landscapes : 122 milli-w/s (18 forest divisions, 15 districts)
3. L3 landscapes : 735 micro-w/s
4. Treatment area
  - a) Landscape area: 7,35,480 ha
  - b) Forest area: 3,40,000 ha

## Forest Vegetation change projected by 2030s & 2080s for Madhya Pradesh.



Reference: A study “Impact of climate change on Indian Forests: a dynamic vegetation modelling approach” IISc, Bangalore

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



Reference: A study “Madhya Pradesh State Climate Change Vulnerability Assessment” EPCO, Bhopal

# GIM in Madhya Pradesh

1. National Executive Council in its 4th meeting on 03-01-2018 approved for the state of MP
  - (i) Five year Perspective Plan (2016-17 to 2021-22). Outlay : Rs. 3,157.36 cr, climate sensitive landscape 3,40,700 ha and 1,14,185 households
  - (ii) APO for 2017-18: Outlay : Rs 396.7528 cr for treating 1,17,645 ha and 33,167 households
  
2. The APO for 2017-18 was downsized and approved to be utilized in 2018-19 for treating 11,914 ha and 3,317 households to be covered for Rs. 41.8026 cr.
  
3. Only 33 L2 level & 79 L3 level Landscapes (11,371 ha) could be taken up for treatment in 2018-19

details available at [https://mpforest.gov.in/HO\\_Outer/Wing\\_GIM\\_Detail.aspx](https://mpforest.gov.in/HO_Outer/Wing_GIM_Detail.aspx)

# GIM in Madhya Pradesh

	Plan for Madhya Pradesh as approved by NEC		Downsized APO being implemented	APO for 2019-20
<b>duration</b>	2016-17 to 2021-22	2017-18	2018-19	2019-20
<b>Outlay (Rs in Cr.)</b>	3,157.36	396.75	41.80	78.88
<b>Landscape No L1/L2/L3</b>	8/122/735	8/122/735	8/33/79	8/33/79
<b>Area(ha)</b>	3,40,700	1,17,645	11,914	23,245
<b>households</b>	1,14,185	33,167	3,317	2750



## Sub Mission wise Physical & Financial Progress 2018-19

S.No	Sub Mission	Target		Achieved	
		Phy(Ha.)	Fin. (Rs. Lakh)	Phy (Ha.)	Fin. (Rs. Lakh)
1	Sub mission 1(a) Restoration of moderately dense forests	4936	781.81	4,739	502.28
2	Sub mission 1(b)- Types a, b & c, Eco-restoration of degraded forests	3373	891.69	2,803	566.72
3	Sub mission 1(c), Grassland restoration	862	318.74	859	197.63
4	Sub mission 2 (b) & (C) Scrubland & abandoned Mining areas	23	24.82	8	6.70
5	Sub mission 3 (a), Urban & Peri-Urban plantation	166	174.85	103	50.49
6	Sub mission 4 (a,b,c), Agro & Social Forestry	2538	784.91	1,237	185.40
7	Sub mission 5, wetland restoration	16	9.82	4	2.63
	<b>Total (Component A)</b>	<b>11,915</b>	<b>3096.08</b>	<b>9,753</b>	<b>1516.25</b>
	<b>Total (Component B)</b>	<b>-</b>	<b>1083.63</b>		<b>109.78</b>
	<b>Grand Total (A+B)</b>	<b>11,915</b>	<b>4179.71</b>	<b>9753</b>	<b>1626.03</b>

[https://mpforest.gov.in/img/files/GIM\\_APO\\_Progress\\_Report.pdf](https://mpforest.gov.in/img/files/GIM_APO_Progress_Report.pdf)

## **GIM Challenges : Financial**

1. Against approved perspective plan (2016-2021) of Rs 3156 cr only Rs 41.80 cr received , which is 1.32% of GIM plan for MP only 33 L2 level and 79 L3 level landscapes taken up for treatment in 18 forest divisions of GIM MP in 2018-19.
2. Assuming similar downward revision in 2019-20 downsized APO for 2019-20 submitted for Rs 7888.00 lakh to cover plantation activities for site prepared in 2018-19 and take up the new sites in 2019-20 to comprehensively treat the landscapes.
3. the landscapes selected are most vulnerable to climate change and all of them are facing acute water shortage. Our interventions have started yielding returns but we need to sustain the efforts and treat the whole of the landscape to have desirable impact.

# Brief Progress

❖ The Progress includes

- (i) site preparations,
- (ii) fencing of the area
- (iii) digging of pits,
- (iv) removal of invasive species,
- (v) preparation of plants,
- (vi) preparation of inspection paths,
- (vii) soil and water conservation measures,
- (viii) various livelihood oriented activities
- (ix) research.

progress report submitted to MoEF&CC is available

online

at

[https://mpforest.gov.in/img/files/GIM\\_APO\\_Progress\\_Report.pdf](https://mpforest.gov.in/img/files/GIM_APO_Progress_Report.pdf)

# Plantation details FY 2019-20

Division	Plant Species	Total number of saplings
Jhabua	Teak , Awala, Mahua, Khamer, Munga, Sitafal	60,360
Obedullaganj	Teak, Mahua, Awala, Khamer, Others	287910
Shivpuri	Awala, Arjun, Imli, Kachnar, Khamer, Jamun, Neem, Bahera, Bel	1,48,500
South Balaghat	Mahua, Jamun, Teak, Bel, Harra, Baheda, Saja	21,450
South Panna	Teak, Bamboo, Awala, others	2,02,000
Umaria	Teak , Awala, Mahua, Khamer, others	1,53,950
Barwani	Teak, Neem, Chirol, Prosopis, Pipal, Mango, Kesiya samiya, Kathal, Jam, Sitaphal	26,675
Dhar	Teak, Neem and Other Species	57,500
Hoshangabad	Teak, Neem and other species	1,33,950
North Betul	<i>Tectona grandis, Gmelina arborea, Dalbergia sissoo, Azadirachta indica, Terminalia bellirica, Pongamia Pinnata</i>	1,38,960
Raisen	Teak ,Aonla, Neem, Karanj and other Sp	2,61,886
Satna	Neem, Kachnar, Pipal, Sissu, Ficus Species, Gulmohar, Peltraforam	85000
Sehore	Teak, Neem, Jamun, Sisam, Bija, Kathal, Jam, Sitaphal	88680
Sendhwa	Teak, Neem, Jamun, Sisam, Bija, Kathal, Jam, Sitaphal, Karaj, Neembu, Mango	26,400
Sheopur	Chirol, Neem, Aanola, Shisham, Khair	1,37,380
South Sagar	Teak, Neem, Jamun, Mahua, Khamer, Awala, Bel	577550
South Seoni	Teak, Harra, Behda, neem , Awala, Saja, Arjun, Karanj	20,000
West Betul	Teak , Bamboo	1,15,400

## Brief Progress contd

1. Coordination with line departments for convergence being carried out by respective divisions.
2. Cross Cutting Interventions, the Divisions have listed activities for promoting alternative fuel energy and screening of beneficiaries.
3. Focus on livelihood initiatives for poor communities based on local resources (forest/non-forest), skill development . Listing interventions and beneficiaries screening with support of SRLM in each division .
4. Documenting good practices in GIM landscapes for promoting replication of success stories
5. Establishing standard carbon measurement techniques for common flow of reporting.

# Knowledge Partnership- IIFM, Bhopal

1. Frame-work for Estimation for Hydrological Services of Forest Landscape
  2. Proposed study period 18 (eighteen) months and
  3. total budget Rs 20.00 lakh
  4. **Signed on 8th March 2019 between IIFM and GIM, MP**
  5. **Initial Study area has been selected; i.e.,**
    - ✓ Satna
    - ✓ Sehore
    - ✓ Dhar
    - ✓ Balaghat
- ❖ Inception report submitted by IIFM Bhopal on, May 2019 after field visits at the study locations.

# Knowledge Partnership with PPSU, Bhopal

## Proposed activities

1. Compilation of L2 level landscape Information for 30 landscapes
2. Socio Economic Survey and Training of the project areas in three forest divisions of ESIP
3. Profiling of stakeholders framework of collaboration- shared visioning exercise
4. Developing IEC framework
5. Developing M&E framework

Total proposal Rs. 66.00 Lakh

- ❖ Socio Economic profiling is completed by PPSU, M.P. Govt. for selected Green India Mission Forest Division
- ❖ PPSU has been put to an end by the Planning & Statistical Department resulting into stoppage of activities 2 to 5 as above
- ❖ Rs.19.80 Lakh (30%) was released. Funds against unfulfilled activities to be refunded by PPSU.

# Livelihood intervention details

livelihood interventions adopted in the Green India Mission Landscape

- **Mushroom cultivation:** 98 women in Hoshangabad division trained. The SHGs have successfully established 98 mushroom units.
- **Sanitary Napkin Unit:** 12 women are trained to make sanitary napkins in North Betul division
- **Honey collection:** 182 beneficiaries in South Panna, Hoshangabad and Sheopur division are trained for bee keeping and are collecting honey.
- **Vermi compost tank :** 294 tanks constructed in Hoshangabad, South Balaghat, North Betul and Satna division
- **Biogas digester:** 9 units are setup in South Sagar division
- In Satna division 35 young women are trained in agarbatti making. They are successfully making 6-7 quintal agarbatti in a day.
  - 60 villagers are given livelihood opportunity of making bamboo fencing in Satna division

# Proposed APO 2019-20 Abstract

S.No	Sub Mission	Target	
		Phy(Ha.)	Fin. (Rs. Lakh)
1	Sub mission 1(a) Restoration of moderately dense forests	9768	1594.00
2	Sub mission 1(b)- Types a, b & c, Eco-restoration of degraded forests	6655	1814.00
3	Sub mission 1(c), Grassland restoration	1722	656.00
4	Sub mission 2 (b) & (C) Scrubland & abandoned Mining areas	45	48.00
5	Sub mission 3 (a), Urban & Peri-Urban plantation	31	33.00
6	Sub mission 4 (a,b,c), Agro & Social Forestry	4996	1591.00
7	Sub mission 5, wetland restoration	28	17.00
8	Promoting alternative fuel energy	2750 HH	91.00
	<b>Total (Component A)</b>	<b>23245</b>	<b>5844.00</b>
	<b>Total (Component B)</b>		<b>2044.00</b>
	<b>Grand Total (A+B)</b>		<b>7888.00</b>

# Proposed APO Highlights

1. APO FY 2019-20 is proposed for Rs. 7888.00 lakhs [APO 2019-20](#)
2. Proposed APO will cover 11,800 ha for plantation works in 18 Forest Divisions

S.No	Sub Mission	Proposed Target		
		Phy(Ha.)		Total Phy(Ha.)
		Advance work	Plantation work	
1	Submission 1 (a) Moderately dense forest cover, but showing degradation	4818	4,950	9768
2	Submission 1 (b) Type A Eco-restoration of degraded open forest with plenty of root stocks	2015	2,082	4097
3	Submission 1 (b) Type B Eco-restoration of degraded open forest with limited root stocks and open blanks	658	684	1342
4	Submission 1 (b) Type C Eco-restoration of degraded open forest of largely open areas with sparse undergrowth	599	617	1216
5	Submission 1 (c) Restoration of grasslands	857	865	1722
6	Submission 2 (f) Restoration of abandoned mining area	21	24	45
7	Submission 3(a) Plantation in urban and peri urban areas	14	17	31
8	Submission 4(a) Agroforestry and social forestry in farmer's land including current fallows	2001	2075	4076
9	Submission 4(b) Agroforestry and social forestry in Shelterbelt plantation	11	15	26
10	Submission 4 (c) Agroforestry and social forestry in Highway/Rural roads/canals/Tank Bunds	439	455	894
11	Submission 5 Restoration of wetlands	12	16	28
<b>Total</b>		<b>11445</b>	<b>11,800</b>	<b>23,245</b>

# Capacity Building- Training on Carbon Measurement Techniques

## FSI, Dehradun

30<sup>th</sup> January to 1<sup>st</sup> February 2019



Sr. No.	Designation	Number of participants
1.	Addl. PCCF	3
2.	CCF	3
3.	DFO's	2
4.	SDO's	7
5.	RO's	14
	Total	29

## Itarasi, Hoshangabad (MP)

17<sup>th</sup> June to 18<sup>th</sup> June 2019



Sr. No.	Designation	Number of participants
1.	Addl. PCCF	1
2.	CCF	1
3.	DFO's	6
4.	SDO's	17
5.	RO's	19
	Total	44

# Skill Development Training details

- **Tailoring training:** 730 women are given stitching training in South Balaghat, Jhabua, South Panna, Umaria, Dhar, Hoshangabad, North Betul, Raisen, Sehore, South Sagar and South Seoni division.  
**Organization: Self Employment Exchange Education Society**
- **Skill development training:** 293 youth in Barwani, Hoshangabad, Sendhwa, North Betul and West Betul division are given skill development training such as computer training, electrician, driving, etc.  
**Organization: Self Employment Exchange Education Society**

# Proposed APO 2019-20 Highlights

1. 88 Forest Compartments to be covered for plantation works in 18 Forest Divisions
2. About 31,44,233 plants of native species ecologically suitable to be planted [Plantation Details](#)
3. The species selected are Teak, Chirol, Awala, Mahua, Khamer, Munga, Sitafal, Arjun, Imli, Kachnar, Jamun, Neem, Bahera, Bel, Pipal, Mango, Kathal, Amrud, Shisham, Khair
4. Each Forest Division registering the sites under the Plantation Monitoring software.  
<http://intranet.mpforest.gov.in/MPFD15/Plantation/DashBoard.aspx>
5. A detailed MIS to capture comprehensive progress is being prepared

# Initiatives

## Honey collectors sustainable source of income in **Sheopur division**

- A honey purification unit in Sheopur Range is established with an objective to purify the honey collected by the tribal groups and provide them with a sustainable source of income.
- Installation cost: Rs. 5,50,000.00
- Training Fee: Rs. 90,000=00
- Trainer: Mr. Rewati Raman
- Villagers Trained: 40



# Initiatives

Mahua tree treatment increased production of Mahua in **Satna division**

- Mahua tree was treated by a solution of Sodium nitrate (250 gms), Potassium chloride (250 gms), Murate of Potash (250 gms) and bucket full water.



Gadoth village in **Satna division**

- A self help group of 35 women trained to start the unit. The unit installed with 15 automated machines produces 6-7 quintals / day & supplied in local market @ rate of Rs. 60 /- per kg.
- Org: State Bamboo Mission



# Initiatives

## Bee keeping- Lalpani village in Hoshangabad

- Bee keeping training organized in Lalpani village.
- 38 villagers given bee keeping training. Trained villagers will be facilitated by the division in establishing the bee keeping units.
- Trained by: MPCON, H'bad
- Total Cost: Rs. 6,76,400.00



## Bio-digester in South Sagar division

- 9 Bio digester units successfully setup in Sagar & Rahatgarh Ranges
- 17 Vermi compost tank constructed with bio digester
- Total Cost: Rs. 30,00,500.00
- By: DFO S. Sagar



# Initiatives

## Vermi compost in Hoshangabad division

101 vermi compost tanks constructed in Sukhtawa, Banapura & Itarsi Range . Villagers to use in their agri- fields and by the forest department.

Cost: 20,20,000.00

NGO:Lakshya Mahila Mandal, H'bad



## Mushroom cultivation in Hoshangabad division

SHGs ( 98 women) were trained on mushroom cultivation and mushroom units are established in villages of Itarsi & Banapura Range.

Cost: Rs. 60,000.00

Trained by: PRADAN, Kesla



# Initiatives

## Sanitary Napkin Unit: Bhaura Dhana Betul

Self Help Group 'Aranya' 12 women trained. The unit established in Bhaura Dhana village will cater to the demand of local Anganwadi.

Cost: Rs. 2,74,843.00

NGO: Smart Enterprises, Vadodra, Gujarat



# Initiatives

## Skill development training to women in Raisen division

- ❖ Stitching training to 106 women from Panjhirpa, Bhavargarh, Suagarh and Kitora villages.
- ❖ NGO; Padmavati Welfare Foundation, Sagar
- ❖ Cost: Rs.1,20,000.00



## Skill development training for youth in Sendhwa division

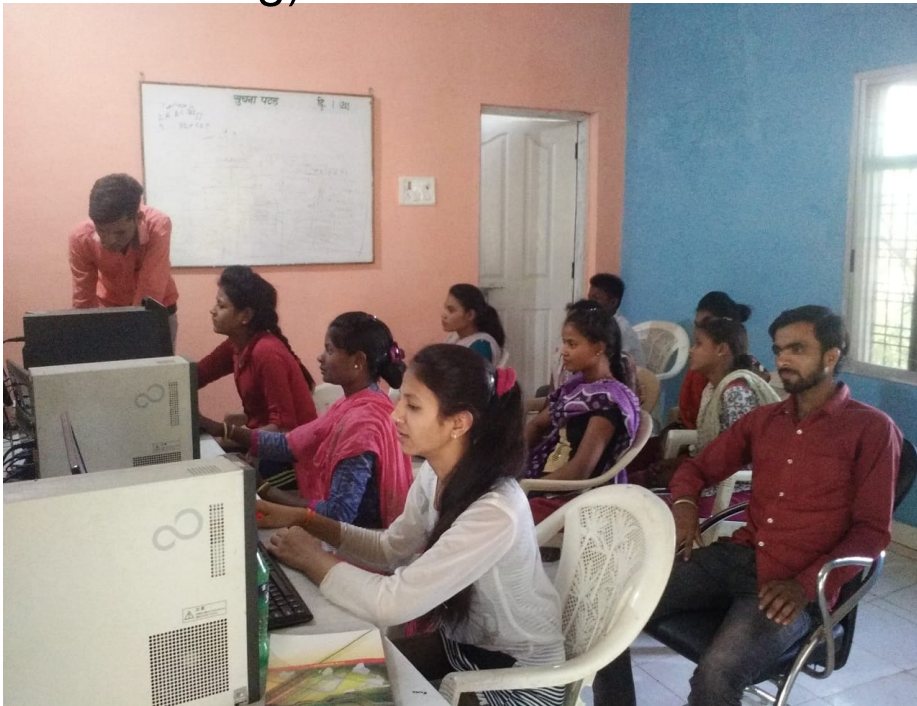
- ❖ 90 unemployed youth given various training such as of security guard, electrician, computer operator etc.
- Training by: RESIT
- Cost – Rs. 3,00,000/-



# Initiatives

## Skill development training for youth in South Seoni division

- ❖ 40 unemployed youth were given computer training.
- ❖ They were either 12<sup>th</sup> pass or graduates looking out for livelihood opportunity.
- ❖ RESIT (Rural Self Employment Training)



## A ray of hope for the women of South Balaghat division

- ❖ A 30 days training program by RESIT (Rural Self Employment Training) Balaghat.
- ❖ 30 females trained from Chirchira, Mohantola and Tekaditola
- Cost – Rs. 3,19,00/-



# Initiatives

## A ray of hope for the unemployed youth of Barwani division

- 60 dropout youth were selected for skill development training- security guard, machine operator, electrician etc.
- Training by – Self employment exchange education society
- Cost – Rs. 6,60,000/-
- 38 are placed in Rural Skill Development Institution, Bhopal with a salary of Rs. 8,000/- to Rs. 12,000/- per month.



# Initiatives

## Women of South Panna take a different route for strengthening their livelihood

- In convergence with NRLM, Panna the women of Green India mission project areas were given training on soap making.
- Cost – Rs. 35,000/-
- Trained by – NRLM, Panna



# Initiatives

**Under construction Pond Berme village Satna division helped villagers find new source of water in the dry summer.**

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



# Initiatives

## Measures taken for resolving water scarcity in Muda villages of North Betul division results positively

- In March, 2018 the lake in Muda village of North Betul division was deepened
- This resulted in the increased water storage capacity and also helped in ground water recharge.



# Initiatives

## Water issue resolved in Hoshangabad

- The water resources in project area of Hoshangabad are high in iron.
- A borewell in the project area village is installed in convergence with Urja vikas nigam ltd.
- Nearly, 40 families are fetching safe drinking water from the newly installed borewell.



## **Community participation led to reduction of forest fire instances in Shahpur Range (North Betul )**

- GIM project area in Shahpur range (North Betul) highly vulnerable to forest fires.
- awareness drive involving school children through training and rallies, wall paintings.
- according to the FSI forest fire data, only 3 fire points were registered in this season
- rapid actions taken by the villagers and front line staff in preventing and controlling forest fires.

# Forest Area Treatment

GREEN INDIA MISSION,  
FOREST DIVISION-BARWANI, RANGE-PATI  
SUB MISSION 1 (C) RESTORATION OF GRASSLANDS  
COMPTT. NO.-102, N 22°1'3.50" E 74°43'0.05"



GREEN INDIA MISSION,  
FOREST DIVISION-BARWANI, RANGE-PATI  
SUB MISSION 1 (C) RESTORATION OF GRASSLANDS  
COMPTT. NO.-269, N 21°49'50.9" E 74°41'24.02"



GREEN INDIA MISSION,  
FOREST DIVISION-BARWANI, RANGE-PATI  
SUB MISSION 1 (B) TYPE (C)  
COMPTT. NO.-269, N 21°49'50.9" E 74°41'24.02"



GREEN INDIA MISSION,  
FOREST DIVISION-BARWANI, RANGE-PATI  
SUB MISSION 1 (C) RESTORATION OF GRASSLANDS  
COMPTT. NO.-269, N 21°49'50.9" E 74°41'24.02"



# Forest Area Treatment



# Forest Area Treatment



# Forest Area Treatment



GREEN INDIA MISSION  
FOREST DIVISION-DHAR, RANGE-DHAR  
SUB MISSION 1 (B) DEGRADED OPEN FOREST  
TYPE A-WITH PLENTY OF OF ROOT STOCK  
PITS DIGGING WORK  
COMPTT. NO.157 BEAT THAWALI  
GPS RIDING - N 22°28'55.2" E 75°17'4.4"



Micro Watershed - 2C1C4h9, Range Mohandra, South Panna Division

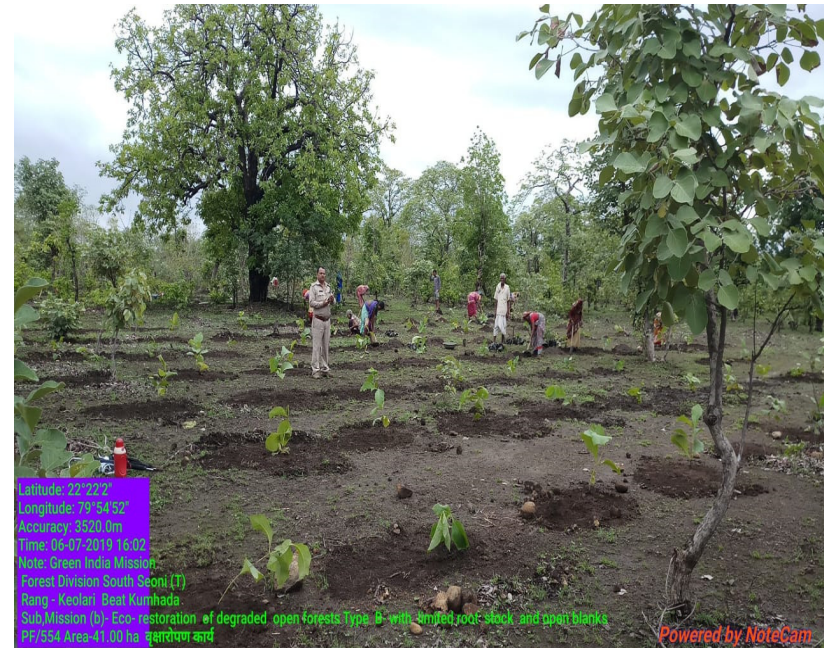
Latitude: 24°8'30"N  
Longitude: 79°59'29"E  
Elevation: 460.52m  
Accuracy: 4.6m  
Time: 10-02-2019 12:33  
Note: GIM sub mission 1b type B 1140a 20190210 1233

Powered by NoteCam



GREEN INDIA MISSION  
SUBMISSION - 1 Moderately Dense Forest Cover but showing Degradation  
Forest Division - South Division (T.) Balaghat, Range - Katangi (J.J)  
Compartment No. - 567, 794, 570 Area - 230 Hect. (Teak Cum Misc.)  
Work Detail - Site Clearance Work  
G.P. No. 21°38'38.562"N, 79°36'18.346"E

# Plantation Works FY 2019-20



# Plantation Works FY 2019-20











Thanks

71 KALA BAI\कलाबाई F 61 SC  
मोहन लाल\मल्लो 4 D1,--,D3,--,D5,D6,-- 3  
Khatpura, Budhni, Sehore with Mahua Laddoo in  
Palash Dona Pattal,

D1: Households with one or less room, kuccha walls and kuccha roof

D3: Female headed household with no adult male member between 16 and 59

D5: SC/ST Households

D6: Landless households deriving a major part of their income from manual labour