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“ग्रीन इंडिया मिशन : जलवायु परिवर्तन का सामना करने, वनों के संवर्धन, स्थानीय समुदायों के सशक्तिकरण एवं पारितंत्र सेवाओं के विकास की रणनीति”

**National Executive Council
Seventh Meeting
Date 18-08–2021**

Order of presentation

1. Background Note

2. Progress till date

1. Cumulative progress of Madhya Pradesh
2. Cumulative Progress: Division wise

3. Internal Monitoring Result

- i. Items covered under monitoring
- ii. Results till date

4. Proposed APO

1. size of APO
2. Proposed treatment
3. inclusion of New L2 level landscape

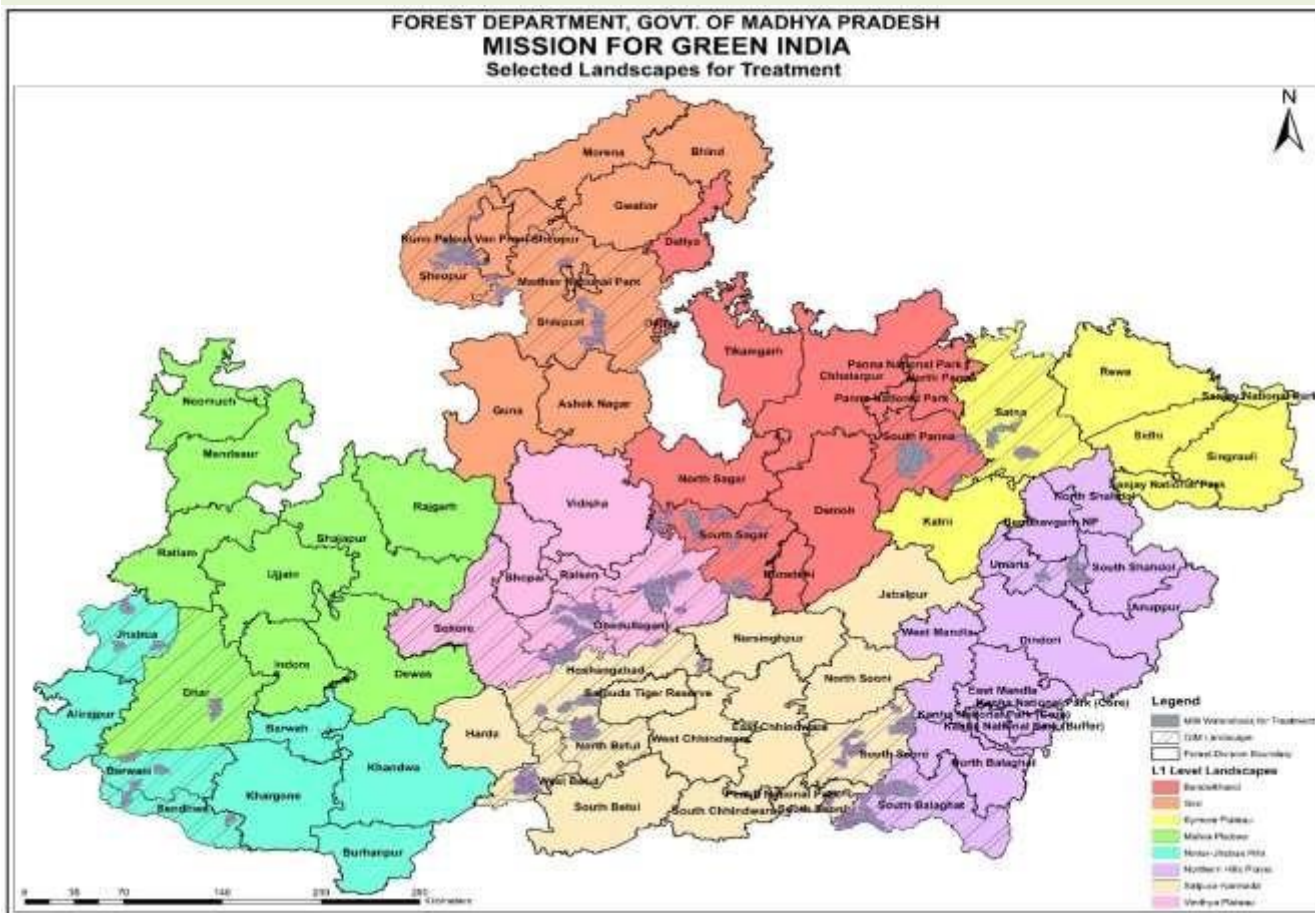
Background Information

Green India Mission Madhya Pradesh

Five year Plan (2018-2023) for MP approved by NEC in its 4th meeting on 3 January 2018

1. at a cost of Rs 3157 crore
2. for the treatment of 7.35 lakh ha land landscape,
3. 3.41 lakh ha forest area,
4. (122 ml watershed, 735 micro watershed)
5. located in 18 forest divisions of 15 districts of the state.

Landscapes selected for treatment under GIM



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

Legend

- GIM Landscapes
- Forest Division Boundaries

L1 Landscapes

- Bundelkhand
- Gird
- Kymore Plateau
- Malwa Plateau
- Nimar-Jhabua Hills
- Northern Hills Plains
- Satpura-Narmada
- Vindhya Plateau

Two New Landscape Proposed in Nimar Jhabua

1. Khandwa

L2 Landscape : 1 milli w/s,
L3 Landscape: 2 micro w/s
Area in ha. 619.02

2. Bhurhanpur

L2 Landscape : 4 milli w/s,
L3 Landscape: 8 micro w/s
Area in ha. 9251.73

Description of different level Landscapes



L1 Landscape	Name	L2 Divisions	No. of Milli watersheds as L2 Landscape	No. of micro watersheds as L3 Landscape	Area (Ha)
Landscape (i)	Kymore plateau	Satna	4	28	33,343.09
Landscape (ii)	Northern Hills Plains	Umariya	4	24	31,919.78
		S. Balaghat	12	71	74,703.37
Landscape (iii)	Satpura-Narmada	Hoshangabad	5	30	33,355.73
		South Seoni	11	67	75,028.40
		North Betul	4	20	27,860.36
		W. Betul	8	24	29,083.20
Landscape (iv)	Vindhya Plateau	Raisen	10	67	51,000.26
		Obedullaganj	10	57	51,350.07
		Sehore	5	28	27,224.82
Landscape (v)	Malwa Plateau	Dhar	3	18	10,794.95
Landscape (vi)	Nimar- Jhabua Hills	Jhabua	3	20	20,596.94
		Badwani	3	21	18,218.11
		Sendhwa	2	11	11,708.77
		Khandwa	1	2	619.02
		Burhanpur	4	8	9251.73
Landscape (vii)	Bundelkhand	South Sagar	13	79	71,378.77
		S. Panna	9	64	68,068.78
Landscape (viii)	Gird	Sheopur	8	48	50,343.13
		Shivpuri	8	58	49,501.00
Total			122 + (5)	735 + (10)	735,479.53 + (9870.75)

Progress till date

Target-Achievement Progress

Details	Plan for Madhya Pradesh as approved by National Executive Council / APO		Approved APO/Allotment			Total target	Achievement	% Achievement
	2016-17 to 2021-22	2017-18	2018-19	2019-20	2020-21	2018-19 to 2020-21		
Approved Plan/ Allotment (Cr. Rs.)	3,157.36	396.75	41.80/17.04	78.88/51.54	35.49/26.21	154.24/94.80	83.49	2.81/54.33/88.06
Landscape L1/L2/L3	8/122/735	8/122/735	8/33/79					100/27.04/10.74
Area	3,40,700	1,17,645	11,914	23,770	23,770	23,770	21,151	6.75/88.98/88.98
Households	1,14,185	33,167	3,317	2,750	2,292	8,359	3,695	3.24/41/41

एजेंडा आइटम 02

वर्ष 2019-20 एवं 2020-21 में कराये गये कार्यों का प्रगति प्रतिवेदन



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Green India Mission Progress Report Submission wise, Divisionswise -upto 31March 2021 (for APO 2018-19, APO 2019-20 & APO 2020-21)			GIM Madhya Pradesh									
			Total Target for the Mission		Cumulative Target upto 31.03.2021		Cumulative Achievement upto 31.03.2021		Percent Achievement upto 31.03.2021 against Mission Target		Percent Achievement upto 31.03.2021 against Approved APO (3 years)	
A	Sub Missions and Intervention	Type	Phy (ha)	Fin (Rs in Lakh)	Phy (ha)	Fin (Rs in Lakh)	Phy (ha)	Fin (Rs in Lakh)	physical %	financial %	physical %	financial %
1	Sub Mission 1: Enhancing quality of forest cover and improving ecosystem services (4.9 m ha)	a) Moderately dense forest cover, but showing degradation	1,42,835	62,863.74	9,759.00	3544.49	9,750.00	2,528.52	6.83	4.02	99.91	71.34
		Type A -with plenty of root	56,195	28,269.71	4,155	1546.95	4,033	1,197.86	7.18	4.24	97.07	77.43
		Type B- with limited root stock and open blanks	19,620	17,277.22	1,393	989.39	1,330	747.55	6.78	4.33	95.49	75.56
		Type C- of largely open areas with sparse undergrowth	17,309	25,393.34	1,311	1547.91	1,215	1,017.05	7.02	4.01	92.70	65.70
		Total	25,562	26,249.39	2,032	1378.04	2,005	928.48	7.84	3.54	98.67	67.38
2	Sub Mission 2: Ecosystem restoration and increase in forest cover (1.8 mha)	f) Restoration of abandoned mining area	585	1,716.84	56	107.62	51	28.27	8.72	1.65	91.89	26.27
		Sub Mission 3: Enhancing tree cover in Urban & Peri-urban areas (including institutional lands): 0.2mha	a) Plantation in Urban & Peri- urban areas	376	1103.06	196.23	387.03	172.5	271.29	45.88	24.59	88
	Sub Mission 4: Agro-Forestry and Social Forestry (increasing biomass & creating carbon sink): 3 mha	a) Farmer's land	36916	21661.92	3933.8	1518.56	1965.16	273.57	5.32	1.26	50	18.02
		b) Shelterbelt plantations	343	805	28	44.89	25	34.69	7.29	4.31	89	77.28
		c) Highways/Rural roads/Canals/ Tank Bunds	13142	26824.57	882.76	1243.43	585	513.74	4.45	1.92	66	41.32
5	Sub Mission 5: Restoration of Wetlands: 0.1 mha	Sub Mission 5: Restoration of Wetlands: 0.1 mha	350	616.06	25	33.28	20	13.64	5.71	2.21	80	40.98
6	Promoting alternative fuel energy	Per House hold	114185	3767.77	8179	306.44	3695	85.84	3.24	2.28	45	28.01
	Total Component A		3,13,233.00	2,16,548.62	23,770.34	12,648.02	21,151.66	7,640.50	6.75	3.53	88.98	60.41
B. For Support Activities												
1	Research (2% of A)		0	4618.66		252.96		187.5		4.06		74.12
2	Publicity/Media/outreach activities (1% of A)		0	2309.32		60.16		18.76		0.81		31.18
3	Monitoring and Evaluation (1% of A)		0	2309.32		60.16		1.92		0.08		3.19
4	Livelihood improvement activities, (17% of A)		0	39258.49		1560.80		378.16		0.96		24.23
5	Strengthening local-level institutions (5 % A)		0	11546.59		300.81		54.85		0.48		18.23
6	Strengthening FDs (5% A)		0	11546.59		300.81		34.97		0.30		11.63
7	Mission Organisation, operation and maintenance, contingencies and overheads (4% A)		0	9237.28		240.69		32.55		0.35		13.52
	Total (B)		0	80826.25		2776.40		708.71		0.88		25.53
	Grand Total (A+B)		3,13,233.00	2,97,374.87	23,770.34	15,424.42	21,151.66	8,349.21	6.75	2.81	88.98	54.13

Division wise Progress of Target and Achievement (Physical & Financial) As on 31st March 2021

Sl. No.	Division	Phy target (ha.)	Physical Achievement (ha.)	Percent achievement (Physical)	Financial Target (lakh Rs.)	Financial Achievement (lakh Rs.)	Percent achievement (Financial)	Fund allotted (lakh Rs.)	Achievement against funds allotted (Percent)
1	S. Balaghat	2,088	1,482	70.99	1,068.99	472.44	44.19	579.48	81.53
2	N. Betul	882	702	79.59	379.92	213.86	56.29	276.47	77.35
3	Raisen	1,620	1,407	86.85	694.30	568.95	81.95	669.86	84.94
4	W. betul	1,189	1,156	97.26	444.29	266.91	60.08	316.60	84.30
5	Sehore	732	576	78.69	305.42	177.76	58.20	286.29	62.09
6	Obaidullaganj	2,201	2,067	93.89	985.39	727.07	73.78	803.05	90.54
7	Hoshangabad	1,553	1,329	85.58	714.98	465.11	65.05	512.68	90.72
8	S. Panna	1,921	1,889	98.33	1,289.74	790.78	61.31	855.53	92.43
9	Sheopur	2,286	2,177	95.23	1,519.52	1,029.71	67.77	1,110.47	92.73

Division wise Progress of Target and Achievement (Physical & Financial) As on 31st March 2021

Sl. No.	Division	Phy target (ha.)	Physical Achievement (ha.)	Percent achievement (Physical)	Financial Target (lakh Rs.)	Financial Achievement (lakh Rs.)	Percent achievement (Financial)	Fund allotted to FDA (lakh Rs.)	Achievement against funds allotted (Percent)
10	Shivpuri	1707.00	1707.00	100.00	1149.33	716.28	62.32	734.85	97.47
11	Umaria	1271.00	1218.00	95.83	678.07	357.22	52.68	423.75	84.30
12	Satna	1209.00	1208.00	99.92	772.78	430.13	55.66	628.32	68.46
13	S. Seoni	1665.00	1261.00	75.74	745.91	246.23	33.01	345.96	71.17
14	S. Sagar	1293.00	1151.16	89.03	747.90	436.32	58.34	605.35	72.08
15	Dhar	434.00	419.00	96.54	277.28	208.21	75.09	284.91	73.08
16	Jhabua	405.00	225.00	55.56	354.20	187.28	52.87	283.93	65.96
17	Sendhwa	335.00	201.00	60.00	201.81	95.31	47.23	139.33	68.40
18	Barwani	980.00	980.00	100.00	320.06	235.14	73.47	284.78	82.57
GIM Total		23770.34	21152	89.00	15424	8349	54	9141.61	91.33

FORM GFR 19-A

[See Rule 212(1)]

Utilization Certificate [01st April, 2020 to March, 31st, 2021]**State Name.....Madhya Pradesh**

S. No		Letter No. and Date	Amount Rs. (in lakhs)
1	Central	Unspent balance (Centre's share) of previous year	1127.253
2		Interest accrued from 01-04-2020 to 31-03-2021	16.16
3		Grants received from Centre Govt. During	1573.03
4		*Amount Utilized during the Fy 2019-20 after revalidation of unspent balance	2699.315
5		Balance Amount	17.128
6	State	Unspent balance of previous year (State share)	744.568
7		Grants received from State Govt. During the period	1048.688
8		Amount Utilized	852.415
9		Balance Amount	940.841
10		Total Amount Utilized (both Central & State)	3551.73

Proposed APO for Year 2021-22

S. No	Sub Mission	Target			Total Physical (Ha.)	Total Financial (Rs. Lakh)
		Physical (Ha.)				
		Advance work	Plantation work	Maintenance work		
1	Submission 1 (a) Moderately dense forest cover, but showing degradation	3,748	0	9,749	13,497	1316.06
2	Submission 1 (b)- Types A, B & C Eco-restoration of degraded forests	2,557	51	6,518	9,126	1647.28
3	Submission 1 (c) Restoration of grasslands	910	0	1,694	2,604	662.15
4	Submission 2 (f) Restoration of abandoned mining area	15	0	37	52	33.94
5	Submission 3 (a) Plantation in urban and peri urban areas	92	0	161	253	180.20
6	Submission 4 (a,b,c), Agro and social forestry	528	0	2,042	2,570	470.32
7	Submission 5 Restoration of wetlands	0	0	20	20	4.00
8	Promoting alternative fuel energy				2,678	89.74
	Total (Component A)	7,850	51	20,221	28,122	4403.69
	Total (Component B)	0	0	0	0	1541.29
Grand Total (A+B)		7,850	51	20,221	28,122	5944.99

Approval of proposals for inclusion of additional areas in Green India Mission under the proposed APO for the year 2021-22

- i. To include Harsud and Khalwa development blocks of Khandwa forest division and Khaknar and Burhanpur development blocks of Burhanpur forest division in Green India mission
- ii. The area in Khandwa forest division, is 415 ha. 193.62 lakh and Burhanpur forest division area 350 ha 298.43 lakh to be included .

Approval of proposals for inclusion of additional areas in GIM under the proposed APO for the year 2021-22

Harsud and Khalwa development blocks of Khandwa forest division and Khaknar and Burhanpur development blocks of Burhanpur forest division in proposed to be included into GIM

Division	APO (2021-22)		Five Years Perspective Plan (2021-22 to 2025 -26)
	Physical	Financial (Lakh Rs.)	Financial (Lakh Rs.)
Khandwa	415 ha.	193.62	484.30
Buranhpur	350 ha.	298.43	756.86

Result of Internal Monitoring & Survival Percentage

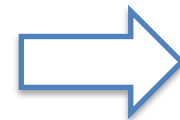


Submission	Average Survival Percent			
	Oct-19	May-20	Oct-20	May-21
Sub Mission 1(a) Moderately dense forest cover, but showing degradation	91.20	86.53	92.73	82.24
Sub Mission 1(b) Type A Eco restoration of degraded open forests with plenty of root stocks	95.49	88.16	94.25	87.78
Sub Mission 1(b) Type B Eco restoration of degraded open forest with limited rootstocks and open blanks	96.07	88.26	92.75	90.01
Sub Mission 1(b) Type C Eco restoration of degraded open forest of large open areas with sparse undergrowth	88.03	84.18	95.21	92.99
Sub Mission 1(c) Restoration of grasslands	96.71	91.76	95.64	94.59
Sub Mission 2(f) Restoration of abandoned mining area	93.43	85.87	97.59	90.55
Sub Mission 3(a) Plantation in Urban & peri urban areas	96.27	88.51	92.04	85.18
Sub Mission 4(a) Agroforestry and Social Forestry in Farmer's land including current fallows	94.86	85.00	89.31	70.00
Sub Mission 4(b) Agroforestry and Social Forestry in Shelterbelt plantation	98.67	85.69	93.18	90.85
Sub Mission 4(c) Agroforestry and Social Forestry in Highways/ Rural roads /Canals/Tank Bunds	94.51	86.32	90.60	82.12
Sub Mission 5 Restoration of wetlands	92.00	86.30	91.92	78.84

Internal monitoring based on Result Frame work of Green India Mission



Sl. no.	Expected Results	Indicator	Data Source/Method	Progress
1	Forest/tree cover on forest/non-forest lands is enhanced	-% area with forest cover -% area in various forest density classes	Forest survey Remote sensing and ground truthing	196 KML files out of 240 plantation sites covering an area of 15850 ha. uploaded in Plantation Monitoring portal.
2.	Quality of forest cover & ecosystem services of forest/non-forests is improved in a. Moderately dense forest, b. Open forest c. Degraded grasslands d. wetlands	a.1. % of forest area naturally regenerating a.2 Shannon Weiner Index	Data from permanent plots	a.1. survey for 192 sites. Grid points for each site geo-tagged and regeneration survey as per MPFD guidelines



Internal monitoring based on Result Framework of Green India Mission



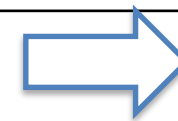
Sl. no.	Expected Results	Indicator	Data Source/Method	Progress
2.	Quality of forest cover & ecosystem services of forest /non-forests is improved in a. Moderately dense forest, b. Open forest c. Degraded grasslands d. wetlands	a.3 Carbon sequestered	Data from permanent plots	a.3. & a.4. -Carbon measurement training by FSI & ICFRE to 18 GIM divisions. More than 100 field officers/staff trained.
		a.4 Above ground biomass	Data from Permanent plots. App is being developed for collection of data.	



Internal monitoring based on Result Frame work of Green India Mission



Sl. no.	Expected Results	Indicator	Data Source/Method	Progress
3	Public forest/ non forests areas (taken up under the Mission) are managed by the community institutions.	- % of area under management of community institutions	Village survey/survey of the forest area (PRA/RRA)	110 micro-plan prepared conducting PRA
4	Improved fuelwood-use Efficiency & alternative energy devices by adopted by households in the Mission Target Area.	- % of HH reporting use of alternative energy devices - % of HH using fuel wood efficient devices	SEEC profile	- 3648 HH (11%) reported use of alternative energy devices - 2673 HH (8.05%) using fuel wood efficient devices



Internal monitoring based on Result Frame work of Green India Mission



Sl. no.	Expected Results	Indicator	Data Source/Method	Progress
5	Forest/non forest-based livelihoods income for 3 million forest dependent households is enhanced in the MTA	- No. of targeted households (HH) reporting at least 25% increase in real income	Sample HH Survey - target area and estimation	- 4027 beneficiaries given various livelihood skill training and . - 3479 (86%) beneficiaries reported increased in real income.
6	Forest/non forest-based livelihoods of about 3 million households living in and around forests are diversified	- % of HH reporting diversification of income sources - % of HH reporting increase in number of days of employment in primary occupation	Sample HH Survey	- 3479 (86%) beneficiaries reported diversified source of income - 442000 man days employment generated for advance work, creation and maintenance of treatment areas. ST- 82.10% SC- 8.4% Other- 9.5 benefited with wage labour.



Result of Internal Monitoring Survival Percentage



Monitoring based on Result Frame work of Green India Mision

The step wise methodology of STARMAP is given below-

- a) GIS based pre-determination of boundaries and treated area (by KML file/shape file)
- b) Registering the area proposed for treatment in the Plantation Monitoring System
- c) Creating a permanent grid and spot marking for continuous monitoring over the entire treatment area
- d) Conducting Regeneration surveys every year and displaying them on independent third-partyportal
<https://geo.mpforest.gov.in/geoportal/apps/webappviewer/index.html?id=42fccb4bf21f47aebadac5cbd4746da8>
- e) Maintaining geo-coded photographic records of each treatment site and making available at regular intervals photographs of the same site for comparison
- f) The system has been adapted to use drones to take geo-referenced photographs before and after interventions.
- g) To make available that boundaries to national body FSI for bi-annual estimation of forest cover and forest density.

Internal Monitoring

GIM Landscape

Search Division

Sheopur

2D1B8t

2D1B8t

Plantation: 2019

plantation	106,283.00
year_	2019
division	Sheopur
scheme	GIM
range	Sheopur
beat_panch	Kalitalai
compt	100 RF
submission	Sub Mission 1(b) Type B Ecorestoration of degraded open forest with limited rootstocks and open blanks
area_hac_	48.12
approval_s	Approved
no_of_plan	16,000.00

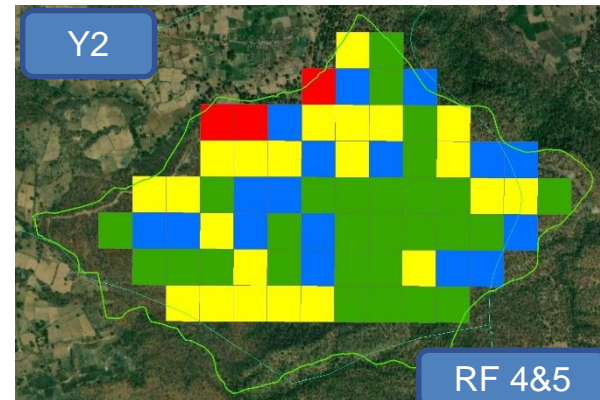
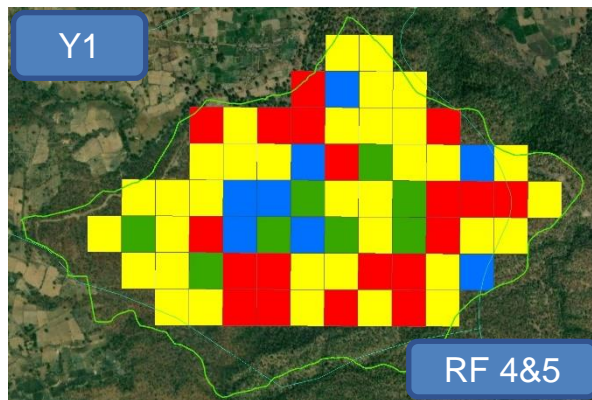
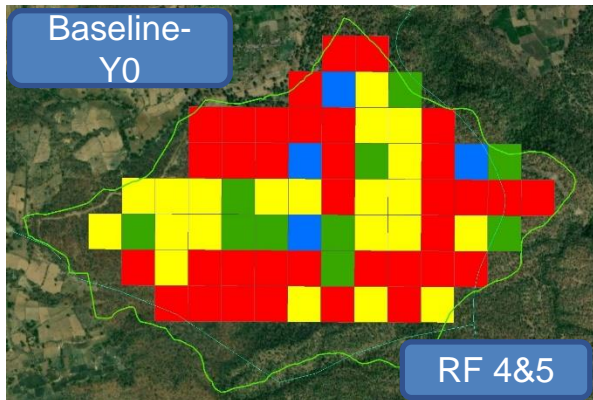
Zoom to

25°39'46"N 76°45'22"E

Layer List

- Obedullahganj - Coupe
- Obedullahganj - Compartment
- Obedullahganj - Site_Quality
- Obedullahganj - Forest Class
- Umariya_Regeneration
 - Plantation Year 2020
 - Plantation Year 2019
- Sheopur_Regeneration
 - Plantation Year 2020
 - Plantation Year 2019
- Obedullaganj_Regeneration
- South_Seoni_Regeneration
- Sehore_Regeneration
- West_Betul_Regeneration

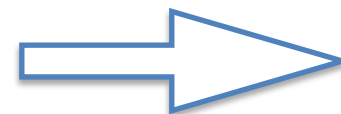
Use of GIS in Establishing Monitoring System Percent of area Regenerating Naturally



Division	Range	Compt No	No. of Grids	Natural regeneration status at baseline Y0				Natural regeneration status year 1 of treatment Y1				Natural regeneration status year 2 of treatment Y2			
				Negligible	Inadequate	Adequate	Profuse	Negligible	Inadequate	Adequate	Profuse	Negligible	Inadequate	Adequate	Profuse
Hoshangabad	Banapura	4	22	13	4	3	2	6	13	0	3	1	7	7	7
		5	48	22	17	7	2	13	22	8	5	2	15	21	10
Total			70	35	21	10	4	19	35	8	8	3	22	28	17

- Above 2501-Profuse
- 1501 to 2500-Adequate
- 501 to 1500-Inadequate
- Less than 500-Negligible

Division- Hoshangabad
Range- Banapura
Compartment No- RF 4 and 5
Y0= Baseline Year (2018)
Y1= Year 1 (2019)
Y2= Year 2 (2020)



Use of GIS in establishing Monitoring system

Percent of area regenerating naturally



Sl no	Circle	Division	Range	Comp. No.	No of Grids	Natural regeneration status at baseline year Y0				Natural regeneration status in year1 of treatment Y1				Natural regeneration status in year1 of treatment Y2			
						Negligible	Inadequate	Adequate	Profuse	Negligible	Inadequate	Adequate	Profuse	Negligible	Inadequate	Adequate	Profuse
1	Hoshangabad	Hoshangabad	Itarsi	RF-165	21	5	9	2	5	8	5	1	7				
				RF-166	17	11	6	0	0	7	3	4	3				
				RF-156	53	35	7	8	3	33	12	6	2				
			Sukhtawa	PF-32	25	25	0	0	0	8	13	2	2	9	9	3	4
				PF-72	31	31	0	0	0	14	13	1	3	6	14	11	0
				PF-75	40	40	0	0	0	7	24	8	1	5	22	7	6
			Banapura	RF-4&5	70	35	21	10	4	30	19	14	7	3	22	28	17
Total					257	182	43	20	12	107	89	36	25	23	67	49	27
Percent of area naturally regenerating						12.45				23.7				45.8			
2	Betul	North Betul	Bhoura S	PF 391	34	0	0	0	0	3	11	3	0	10	2	3	2
				P 400	4	4	0	0	0	2	2	0	0	1	2	1	0
				RF 131	11	0	0	0	0	5	5	0	0	5	5	0	0
				PF 389	9	0	0	0	0	4	5	0	0	3	5	1	0
Total					58	4	0	0	0	14	23	3	0	19	14	5	2
Percent of area naturally regenerating						0.00				5.2				17.5			

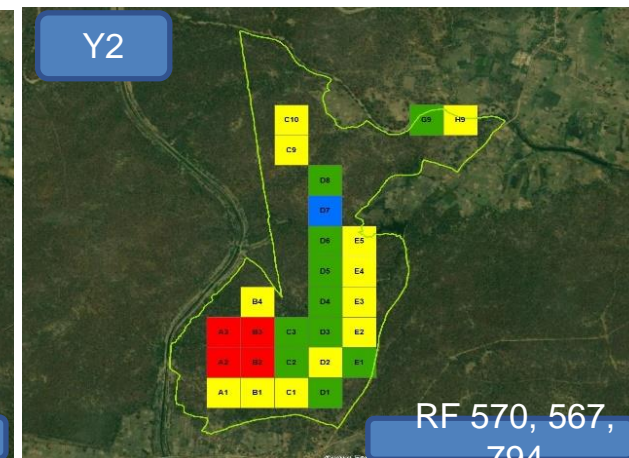
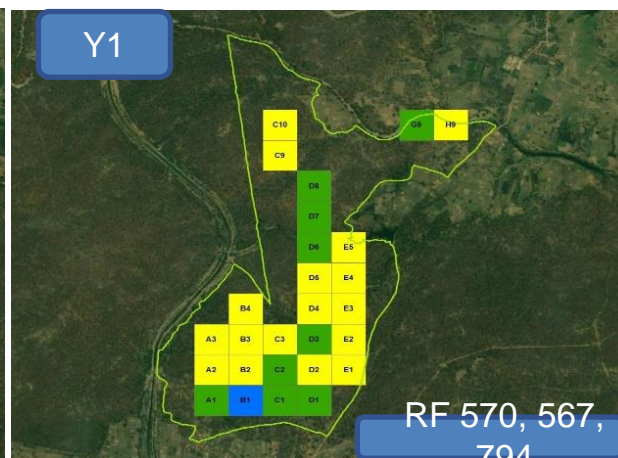
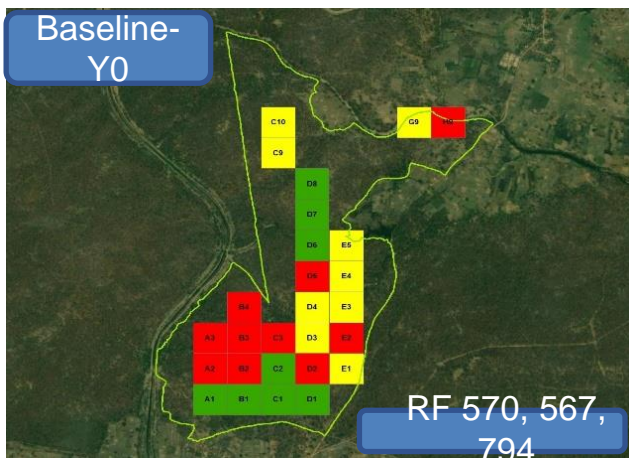
- Above 2501-Profuse
- 1501 to 2500-Adequate
- 501 to 1500-Inadequate
- Less then 500-Negligible

Regeneration Survey Detail



Division – S Balaghat, Range - Katangi
Y0=2018, Y1=2019, Y2=2020

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- Above 2501-Profuse
- 1501 to 2500-Adequate
- 501 to 1500-Inadequate
- Less then 500-Negligible

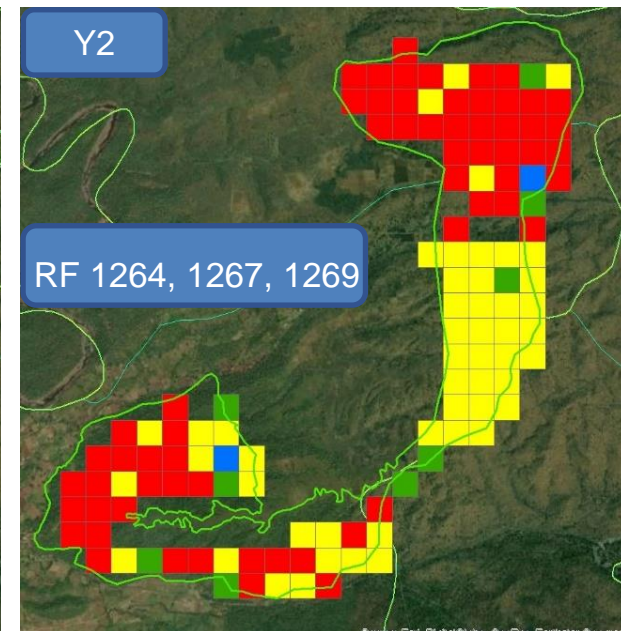
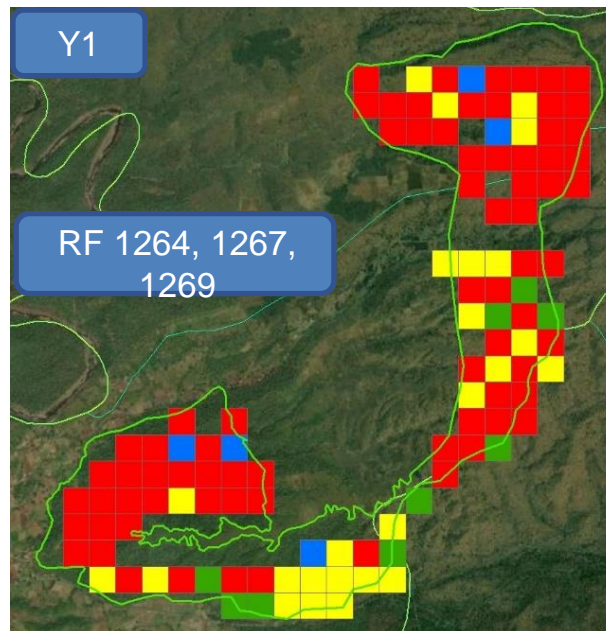
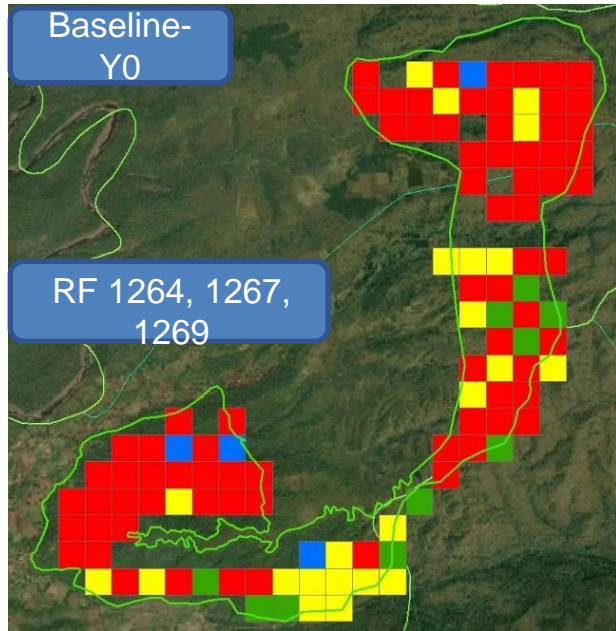
Division	Range	Comp No.	Scheme	Plantation Year	No of Grids	Natural regeneration status at baseline year Y0				Natural regeneration status in year 1 of treatment Y1				Natural regeneration status in year 1 of treatment Y2			
						Negligible	Inadequate	Adequate	Profuse	Negligible	Inadequate	Adequate	Profuse	Negligible	Inadequate	Adequate	Profuse
South Balaghat	Katangi	570 RF	GIM	2019	7	2	5	0	0	2	5	0	0	4	2	1	0
		794 PF	GIM	2020	11	0	8	3	0	0	8	3	0	0	5	5	1
		567 RF	GIM	2021	17	0	7	10	0	0	2	12	3	0	2	13	2
Total					35	2	20	13	0	2	15	15	3	4	9	19	3

Regeneration Survey Detail



Division – West Betul, Range - Mohda
 Baseline Y0= 2018, Y1=Year 1, Y2=Year 2

ग्रीन इंडिया मिशन



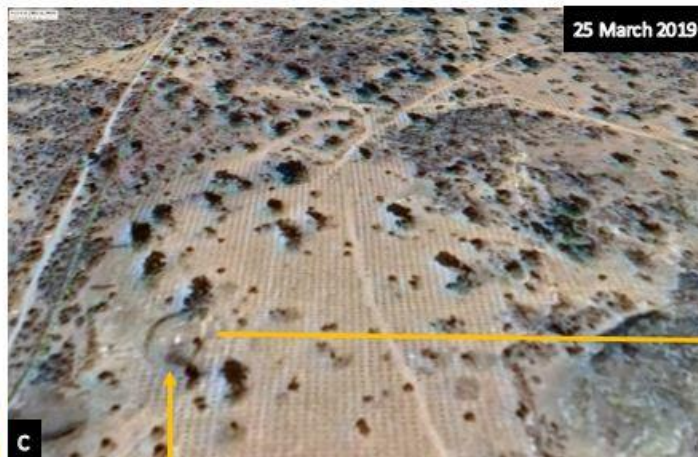
Division	Range	Comp No.	Scheme	Plantati on Year	No of Grids	Natural regeneration status at baseline year Y0				Natural regeneration status in year 1 of treatment Y1				Natural regeneration status in year 1 of treatment Y2			
						Negligible	Inadequate	Adequate	Profuse	Negligible	Inadequate	Adequate	Profuse	Negligible	Inadequate	Adequate	Profuse
West Betul	Taodi	1264 RF	GIM	2019	16	11	3	2	0	11	3	2	0	0	14	2	0
West Betul	Taodi	1267 RF	GIM	2019	19	8	7	4	0	9	7	3	0	0	18	1	0
West Betul	Taodi	1268 RF	GIM	2019	7	6	1	0	0	6	1	0	0	2	2	2	1
West Betul	Taodi	1269 RF	GIM	2019	34	29	4	0	1	28	4	0	2	28	5	1	0
Total					76	54	15	6	1	54	15	5	2	30	39		

Carbon estimation of eight landscape of GIM using ISFR- 2019 Factors

Sl. No.	L1 Level Landscape	Forest Division	Number of Sample Points	Area in Ha	AGB C	BGB C	Deadwood	Litter	Soil Organic Carbon	Total Carbon	Total Carbon (t/ha)	carbon (t/ha) estimated in ESIP landscapes
1	Northern Hills Plains	South Balaghat	59	7,201	2,24,205	58,609	3,589	20,304	3,91,976	6,98,682	97.02	
2		Umaria	91	10,854	3,25,641	93,966	4,760	22,603	5,62,084	10,09,054	92.97	
3	Kymore plateau	Satna	54	8,744	1,93,493	81,260	1,422	4,832	3,87,439	6,68,446	76.45	
4	Satpura Narmada	South Seoni	50	6,525	1,77,307	44,783	2,841	16,821	3,46,101	5,87,852	90.09	
5		Hoshangabad	43	6,821	1,62,401	39,822	1,218	3,911	2,67,229	4,74,581	69.58	60.29+/- 22.30
6		North Betul	41	4,363	1,28,042	22,740	1,714	8,899	2,15,121	3,76,516	86.29	58.06+/- 20.35
7		West Betul	49	511	20,491	5,562	371	1,951	28,370	56,743	110.99	
8	Vindhya Plateau	Raisen	70	8,110	1,91,163	82,149	1,441	4,704	3,64,263	6,51,830	80.37	
9		Obedullaganj	41	743	9,359	3,932	68	330	30,773	44,462	59.84	
10		Sehore	46	2,643	51,011	21,428	375	1,402	1,15,141	1,89,356	71.65	44.27+/- 19.57
11	Malwa Plateau	Dhar	72	2,693	40,199	16,887	291	1,220	1,13,409	1,72,006	63.87	
12	Nimar-Jhabua Hills	Barwani	85	1,548	21,279	8,939	183	1,518	60,615	94,082	60.77	
13		Jhabua	38	284	5,497	2,309	40	146	12,343	20,335	71.60	
14		Sendhwa	53	1,178	22,913	9,463	189	6,862	51,981	92,585	78.62	
15	Bundelkhand	South Sagar	88	-	-	-	-	-	-	-	-	
16		South Panna	200	8,851	1,87,337	78,691	1,375	4,777	3,89,550	6,68,351	75.51	
17	Gird	Sheopur	67	7,788	1,30,871	54,976	953	3,730	3,32,428	5,27,154	67.69	
18		Shivpuri	78	2,833	48,569	20,388	353	1,375	1,21,281	1,91,967	67.76	
Total			1,225	81,690	19,39,777	6,45,903	21,183	1,05,384	37,90,102	65,24,002	77.71	

Case 1: Division- North Betul (Ecosystem Services Improvement Project)

Submission: 2.1.3 Improving forest quality: Enhancing and restoring carbon stocks in forestlands



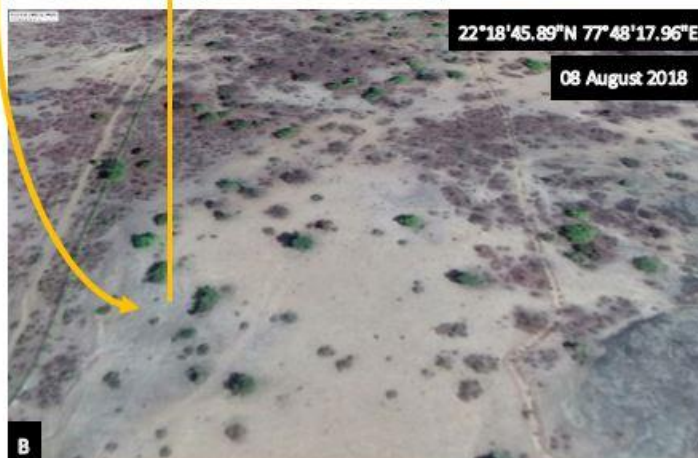
Location:
22°18'45.89"N 77°48'17.96"E

Google Earth images

- A. 08 August 2018
- B. 08 August 2018
- C. 25 March 2019
- E. 21 February 2021

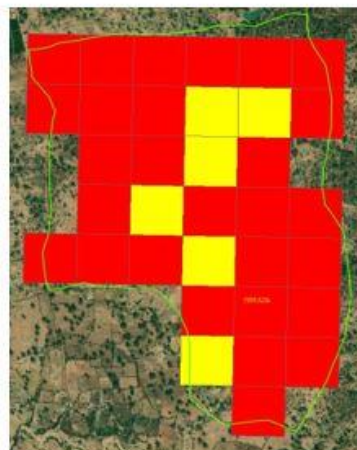
Drone Photograph

- D. 05 January 2020



Landscape	Satpura Narmada
Division	North Betul
Mili-watershed	5D5A2h
Range	Bhaura
compartment	PF 391
Beat	Kovalari
JFMC	Koyalbuddi
Scheme	ESIP
Project Duration	2018-2022
Submission	2.1.3 Investments in restoration works on degraded forestlands
project cost	192.58 lakhs
Area	75 ha
Planting Year	2019
soil organic carbon Yo	0.330 %
Plants Planted	75000
species	Teak, Karanj, Aonla, Shisoo, Bans, Baheda, Neem, Khamer
Survival %	98.49 % (as on Oct 2020)

Status of Natural Regeneration		
	Baseline Year Y0	First Year Y1
No of Grids	34	34
Survey period	May 2019	October 2019
Regeneration per ha	231.61	1080.88
Area under Natural Regeneration (%)	0	20.59

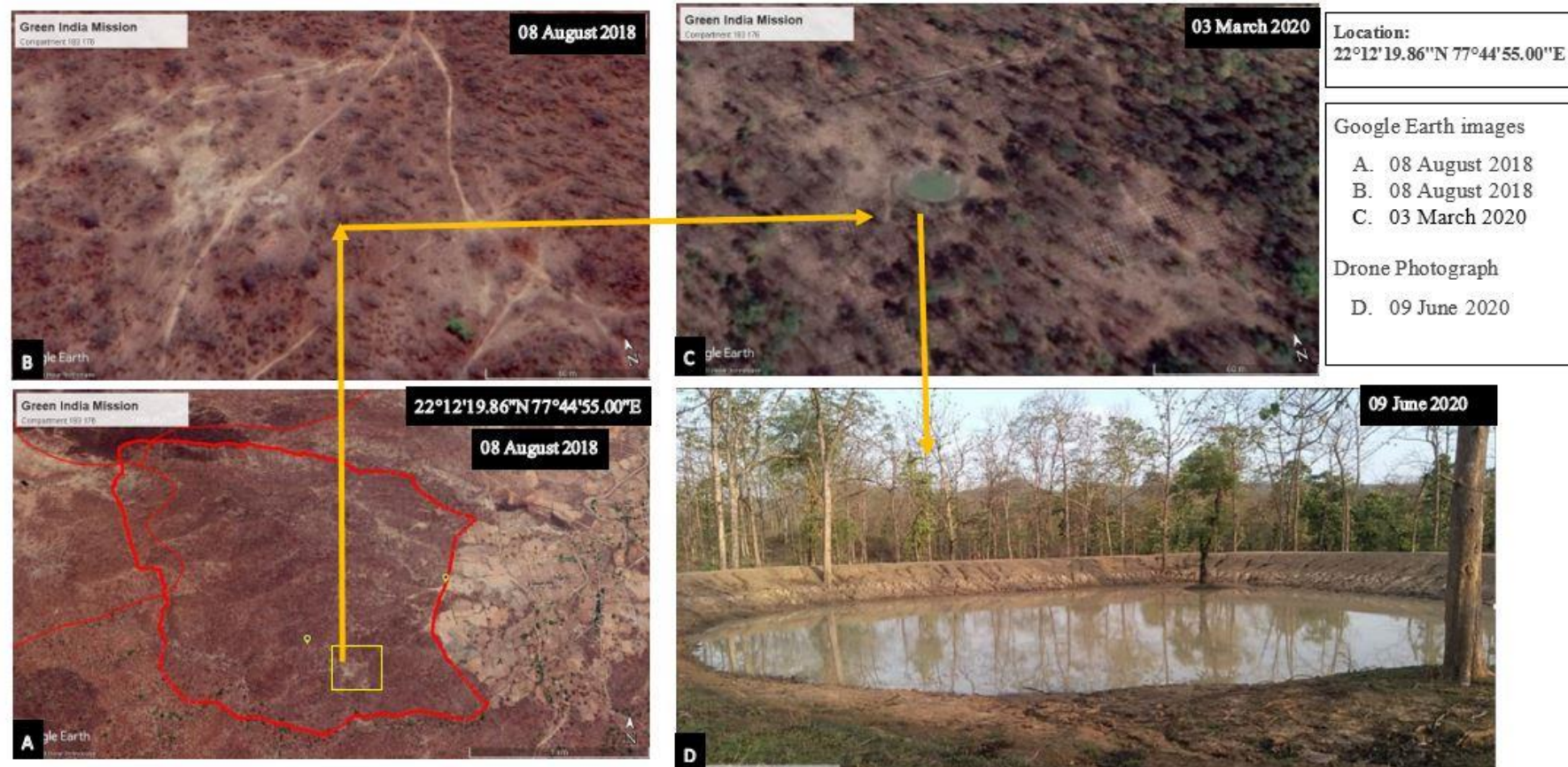


The Ground Reality



Case 2: Division- North Betul (Ecosystem Services Improvement Project)

2.1.3 Investments in restoration works on degraded forestlands





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अक्षांश: 22.213171
देशान्तर: 77.752021
उन्नयन: 536.76±3 m
सटीकता: 3.0 m
समय: 04-05-2021 15:52
नोट: girin india

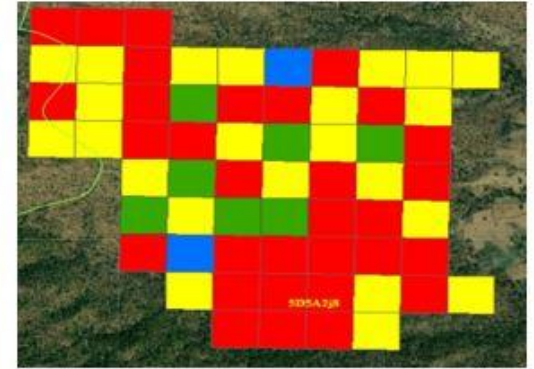
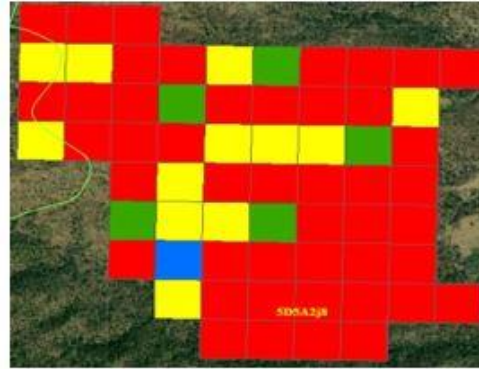
Powered by NoteCam E

Photograph:

E. 04 May 2021

Landscape	Satpura Narmada
Division	North Betul
Mji-watershed	5D5A2j
Range	Shahpur
compartment	RF 183 & 176
Beat	West Mudha
JFMC	Muda & Kotha
Scheme	GIM
Project Duration	2018-2022
Submission	Sub Mission 1 (a) Moderately dense forest cover, but showing degradation
project cost	48.64 lakhs
Area	335
Planting Year	2019
Plants Planted	67000
species	Teak
Survival %	95.4 (as on October 2019)

Status of Natural Regeneration		
	Baseline Year Y0	First Year Y1
No of Grids	63	63
Survey period	June 2019	October 2019
Regeneration per ha	442.46	736.00
Area under Natural Regeneration (%)	9.52	14.29



The Ground Reality



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वहाँ है खुशहाली

ग्रीन इंडिया मिशन



Case 3: Division- Jhabua (GIM)

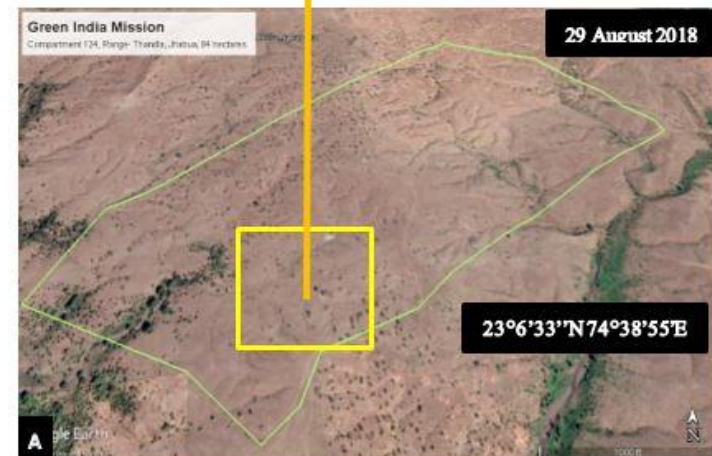
Sub Mission 1(b) Type B Eco-restoration of degraded open forest with limited rootstocks and open blanks



Location:
23°6'33"N
74°38'55"E

Google Earth images

- A. 29 August 2018
- B. 29 August 2018
- C. 20 February 2019



Site preparation Photograph

- D. 24 March 2019

The Ground Reality

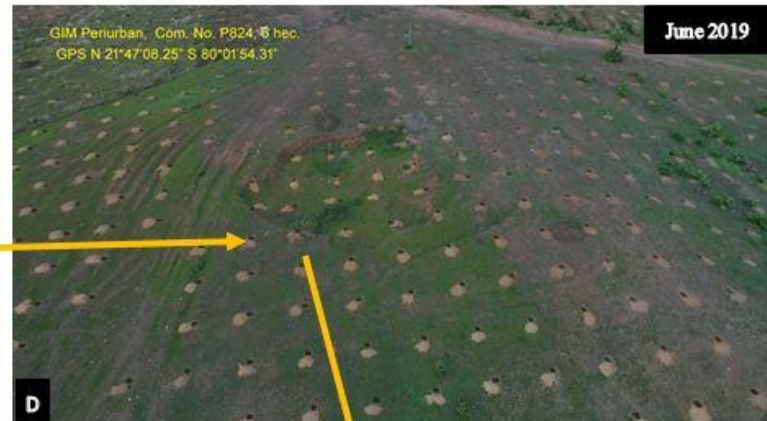
Landscape	Nimar Jhabua Hills
Division	Jhabua
Mji -watershed	5E2A5s
Range	Thandla
compartment	RF 124
Beat	Kodiapada
JFMC	Kodivapada
Scheme	GIM
Project Duration	2018-2022
Submission	Sub Mission 1(b) Type B Ecorestoration of degraded open forest with limited rootstocks and open blanks
project cost	41.76 lakhs
Area	84
Planting Year	2019
Plants Planted	45300
species	Khamer, Jungle Jalebi, Karni, Imli, Lasoda, Shisham, Mahua, Siras, Sisoo
Survival %	92.00 (as on October 2020)

Drone photograph of the same location **January 2020** shows the transformation



Case 4: Division- South Balaghat

Sub Mission 3 (a) Plantation in Urban & peri urban areas



Location:
21°47'02.65"N 80°02'07.84"E

Google Earth images
A. 22 May 2018
B. 22 May 2018
C. 13 April 2019

Site preparation Photograph
D. June 2019
Transformation Photograph
E. June 2020

The Ground Reality

Landscape	Northern hills plains
Division	South Balaghat
Mili-watershed	4E5G5m
Range	Warasooji
compartment	RF 824
Beat	Khapa
JFMC	Bagholi
Scheme	GIM
Project Duration	2018-2022
Submission	Sub Mission 3 (a) Plantation in Urban & peri urban areas
project cost	6.57 lakhs
Area	6 ha
Planting Year	2019
Plants Planted	3750
species	Gulmohar, Putraniwa, Jamun, Aonla, Banyan, Peltafarm, Imli, Paraspepal, Gular, Karani, Harra, Neem, Peepal
Survival %	98.85 (as on May 2020)



Case-5: Division- South Panna

Sub mission 1(b)Type (C)-Eco restoration of degraded open forest of largely open areas with sparse undergrowth



Location:
 $24^{\circ}16'4''N$
 $80^{\circ}29'24''E$

- Google Earth images
- A. January 2017
 - B. January 2017
 - C. January 2019

Landscape	Bundelkhand
Division	South Panna
Mili-watershed	2C1C6U
Range	Saleha
compartment	787PF
Beat	Goverda
JFMC	Magarda
Scheme	GIM
Project Duration	2018-19 to 2022-2023
Submission	Sub mission 1(b)Type (C)- Eco restoration of degraded open forestof largely open areas with sparse undergrowth
project cost	Rupees 79,20000/-
Area	60 ha
Planting Year	2019
Plants Planted	57000
species	Amta , Bel , Jamun , Kanji Karanj , Kereta , Khamher / Seevan , Mahua , Neem , Others , Peepal , Safed Siras/ Safed Shirish , Shisham/Sissu , Teak
Survival %	93.36% (as on Oct 2020)

Status of Natural Regeneration			
	Baseline Year Y0	First Year Y1	Second Year Y2
No of Grids	15	15	15
Regeneration per ha	650	966.67	1208.33
Area under Natural Regeneration (%)	0	0	0

The Ground Reality



Division Wise Improved fuelwood-use efficiency & alternative energy devices by adopted by the HHs



Divisions	Type of Energy Saving Devices						Total
	Solar Cooker	Pressure Cooker	Solar <u>Lanten</u>	Bio-digester/ Community Biogas	Biomass based cook stove	Electric Induction	
Satna	19						19
<u>Umaria</u>							0
<u>South Balaohat</u>	176						176
Hoshangabad				1			1
<u>South Seoni</u>		275					275
North Betul		300				300	600
West Betul		375	114				489
<u>Raisen</u>	140						140
<u>Obaidullaqani</u>		485				483	968
<u>Sehore</u>							0
Dhar							0
<u>Jhabua</u>		123					123
<u>Barwani</u>		493					493
<u>Sendhwa</u>	68						68
South Sagar			30	17	333	112	492
South Panna		600					600
<u>Sheopur</u>		174					174
Shivpuri							0
Total	403	2,825	144	18	333	895	4,618



Livelihood Improvement Activities (Forestry Based)

Sl.No	Livelihood/Skill Development activities	Expenditure in Rs.	No. of Person trained	No. of Person Employed	Divisions
1	Mahua collection using nets	18,90,957	626	626	Hoshangabad, Satna, Sehore, N. Betul, W. Betul
2	Bee Keeping & Honey Collection	10,79,400	248	248	Hoshangabad, Umaria, S. Panna, Sheopur, Shivpuri
3	Vermicompost	40,31,357	410	410	N. Betul, Hoshangabad, Raisedn, S. Balaghat, Satna, Umaria, S. Panna, Shivpuri, Sehore
4	Agarbatti Making	13,22,281	65	65	Satna, Sheopur
5	Bamboo crafts	7,00,000	60	60	Satna
6	Mushroom cultivation	75,000	108	108	Hoshangabad, Umaria, West Betul
7	Herbal colour making	72,281	30	30	Sheopur
8	Lac article making	2,00,000	20	20	S. Balaghat
Total		93,71,276	1,567	1,567	

Livelihood Improvement Activities (Non Forest Based)



Sl.No	Livelihood/Skill Development activities	Expenditure in Rs.	No. of Person trained	No. of Person Employed	Divisions
1	Sewing & Tailoring	17,71,752	1018	1018	N. Betul, W. Betul, Hoshangabad, Jhabua, Obaidullaganj, Raisen, Sendhwa, S. Balaghat, Umaria, S. Panna, S. Sagar, Sehore, S. Seoni
2	Computer	4,02,600	151	135	N.Betul, W. Betul, Hoshangabad, Jhabua, Raisen, Sendhwa
3	Dona Pattal making (Paper)	4,68,700	68	62	S. Sagar, Sehore
4	Sanitary Napkin making	2,74,843	12	12	N. Betul
5	Pisiculture (fish farming)	1,00,000	201	201	S. Seoni, Satna, Sehore, N. Betul, W. Betul
6	Poultry	9,000	117	57	Hoshangabad, S. Seoni, Umaria, Sehore
7	Light motor vehicle driving	6,77,600	77	77	Jhabua, Sehore, N. Betul, Barwani
8	Security Guard (Unarmed)	17,65,000	208	188	N. Betul, Sehore, Barwani, Sendhwa
9	Electrician & motor winding (Assistant Electrician)	10,20,000	102	89	N. Betul, W. Betul, Hoshangabad, Barwani, S. Balaghat
10	Other Skill development activities (Beauty Parlour/ Soft toy making/ Embroidery/ Soap making/ Mason training)	4,84,155	506	73	Dhar, S. Panna
Total		69,73,650	2,460	1,912	
Grand Total		1,63,44,926	4,027	3,479	

Livelihood Improvement Activities

Skill Development - Sewing & Tailoring



National Skills Qualifications Framework (NSQF Course)	Apparel made-up and home furnishing sector AMH/Q0301
Persons trained	1018
Project Cost	Rs. 17,71,752 /-
Person Employed	1018
Employment type	Self Employment and Jobs
Average Income	Rs. 3000-4000 /- per month
Placement	18 , Shahi Export Pvt Ltd, Bengaluru Salary - 9000/- per month (West Betul and South Seoni)



Component B- Livelihood Improvement Activities Skill Development – Electrician & Motor Winding Trng



National Skills Qualifications Framework (NSQF Course)	Helper/ Assistant Electrician CON/ Q601
Persons trained	102
Project Cost	Rs. 10,20,000/-
Person Employed	89
Employment type	Self Employment and Jobs
Average Income	Salary Rs. 8000-10000 /- pm , own business Rs. 2500-3000 /- pm
Employment Opportunities	<ul style="list-style-type: none"> i. Panchayat under Pradhan Mantri Aawas Yojana ii. Local NGOs- Assistant Trainer, Monthly salary- Rs.6000/- iii. Industries – Vardhman Fabric Budhni- 2 trainees, Stipend Rs. 7018/- pm can be revised to Rs. 10,450/- after six months.

भारत की आज़ादी का अमृत महोत्सव : ग्रीन इंडिया मिशन

- To celebrate the 75th anniversary of independence, the Government of India has ensured to organize several capacity building programs across the country for 75 consecutive weeks from 12 March 2021.
- In this series, the Ministry of Forest, Environment and Climate Change, New Delhi has decided to start various training programs for capacity building of forest dependent communities under its various schemes.
- Green India Mission, Forest Department, Madhya Pradesh has proposed 14 training workshops for skill upgradation of rural youth (beneficiaries) in selected landscape under the mission. About 500 rural youth will be trained in various NSQFs (National Skill Qualification Framework) in these skill upgradation trainings.
- All the training being provided under the mission is being organized by the vocational training provider affiliated to various NSDC (National Skill Development Corporation) in coordination with the Madhya Pradesh State Skill Development and Employment Generation Board (MPSSDEGB), which is as per the national standards. The certification under NSQF (National Skill Qualification Framework) will bring about uniformity in quality of training and increase in employment opportunities.

Skill Development Training Program Started Under GIM for “भारत की आज़ादी का अमृत महोत्सव”

Training start date	Training Title	Period of Training	Division	Village	Girls	Boys	Total
12.03.2021	Assistant Electician	45 days	Hoshangabad	Bhatna	13	17	30
03.04.2021	Data Entry Operator level 04	60 days	West Betul	Khamapur	03	32	35
11.08.2021	Automobile Repairing (two Wheeler)	45 days	S.Sagar	Sironja	0	25	25

Assistant Electrician



Automobile Repair



Data Entry Operator



Automobile Repair



SNA Implementation Progress

Sl. No	Items	Progress
1	A Single Nodal Agency (SNA) is designed for each CSS by the State Government	Completed
2	Each SNA is registered in the public Financial Management System (PFMS) and the bank account of each SNA is opened and mapped in PFMS	Completed
3	Funds available in the bank account of all the Ias below the SNA are transferred to the bank account of the SNA concerned with Clear bifurcation of the Central and the State share	Completed
4	Zero balance accounts of the IAs down the ladder are opened	Completed
5	All the IAs are registered in PFMS and their zero balance bank account are mapped in PFMS	Completed
6	Selection of Bank	Canara Bank
7	banks software system should be able to monitor	In progress
8	Separate budget for central and state shares by the state government	In progress
9	Integration with PFMS	In progress
10	Capture scheme components-wise expenditure along with PFMS schemes codes	In progress

Thanks