

Ecosystem Services Improvement Project

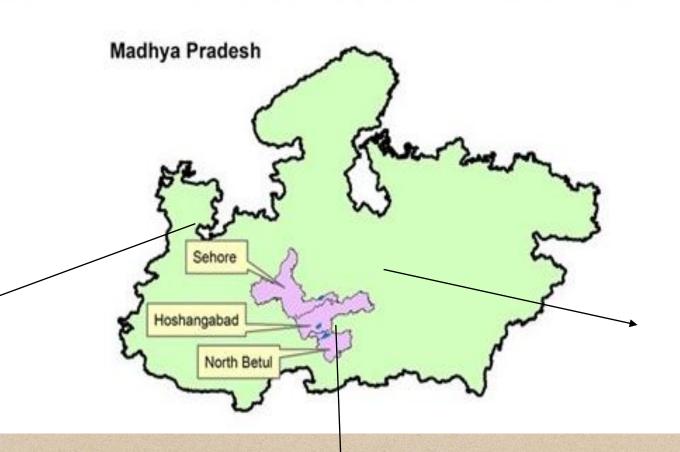
4th Meeting of National Project Steering Committee, MoEF&CC, Gol 23 June 2021 State- Madhya Pradesh



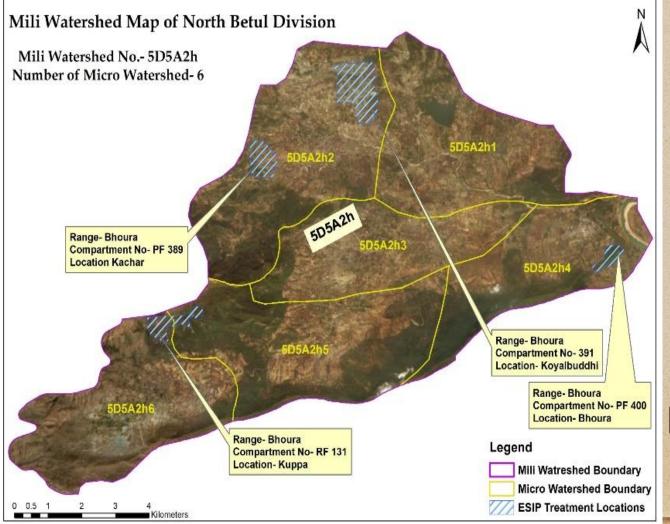
ESIP LANDSCAPES

Mili Watershed Map of Sehore Division Mili Watershed No.- 5D4A1b Number of Micro Watershed- 5 Range- Budhni Compartment No. 654 Location- Saidganj 5D4A1b Range- Budhni Compartment No. 648 Location- Sahaganj Range- Budhni Compartment No. 646 Location- Sahaganj Range-Budhni Compartment No. 645 Location- Sahaganj Legend Range- Budhni Compartment No. 647 Location- Khatpura Mili_Watershed_Boundary Micro_Watershed_Boundary 0 0.5 1 SIP Treatment Locations

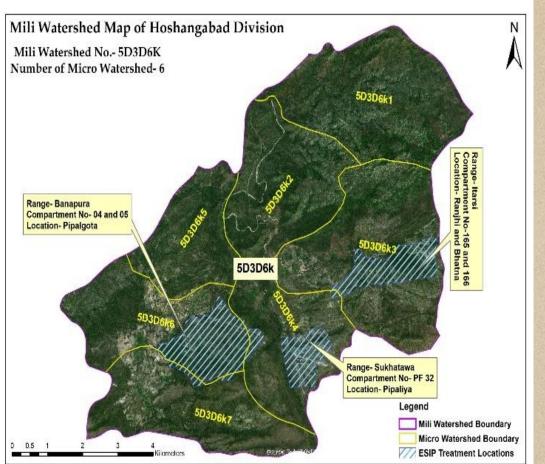
LOCATION MAP OF SELECTED LANDSCAPE UNDED ESID



Sehore Budhni: 5D4A1b New area added Mili-watersheds 5D2D8c & 5D2D8f







Hoshangabad Kesla: 5D3D6k

North Betul Bhaunra: 5D5A2h



ESIP LANDSCAPES

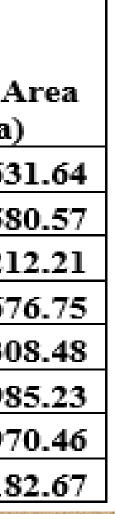
demographic details of project areas

Division	villages	male	female	total	нн	Sex ratio	SC	st	sc %	ST %	literacy %
Hoshangabad	20	5616	5233	10849	2135	932	586	7630	5.40	70.33	47.92
Sehore	8	2381	2059	4440	921	865	921	1540	20.74	34.68	55.58
Betul	8	2819	2710	5529	1162	961	424	4241	7.67	76.70	50.12
total of project	36	10816	10002	20818	4218	925	1931	13411	9.28	64.42	51.20

				L3 Level						
S.		L2 Level La	ndscapes	Landscapes		Forest A	Area (ha)			
No.	Ll Level		Mili-	Micro-	Dense	Open		Total	<u>Non Forest</u>	Total A
	Landscapes	Division	watershed	watershed	Forest	Forest	Blank	Forest	Area (ha)	(ha)
1	Satpuda-	Hoshangabad	5D3D6k	7(5D3D6k1-7)	5,947.25	128.93	491.61	6,567.79	63.85	6,63
2	Narmada	North Betul	5D5A2h	6(5D5A2h1-6)	3,622.99	1063.96	754.28	5,441.23	4,139.34	9,58
Satpu	ida-Narmada Tota				9,570.24	1,192.89	1,245.89	12,009.02	4,203.19	16,21
3	3 .7. 11		5D4A1b	5(5D4A1b1-5)	1,187.83	1,443.48	98.19	2,729.50	1,676.75	1,67
5	Vindhya Plateau	Sehore	5D2D8c	8(5D2D8c1-8)	1,757.58	1,337.76	204.62	3,299.96	4,308.48	430
	Thucau		5D2D8f	4(5D2D8f1-4)	543.11	1,467.90	92.68	2,103.69	1,819.23	598:
Vindl	hya Plateau Total				3,488.52	4,249.14	395.4925	8,133.15	7,804.46	11,97
Total	2	3	5	30	13,058.76	5,442.03	1,641.38	20,142.17	12,007.65	28,18









Project Componen

Component 1: Strengthen capacity of go forestry and land management programs

Component 2: Investments for improving landscapes

Component 3: Scaling-up sustainable management in selected landscapes

Component 4: Project Management

Total Baseline Cos

*Reappropriation of Rs 38.67 lakh for component 3 required to address the audit objection

	Project Cost	t for State of MP
nts	(Rs.	67/US\$)
	US\$ M	INR in Cr.
overnment institutions in	1.25	8.38
g forest quality in selected	7.25	48.58
e land and ecosystem		_*
	0.46	3.08
sts	8.96	60.03



Cumulative Financial Progress and Future Plans

Project Cost Expenditure till 31 March 2021 **Reimbursement claim settled** Proposed APO 2021-22 Proposed APO 2022-23 (up to Exit Plan commitment for Augu **March 2028**



	All figures in lakh Rs.
	6003.00
	3518.94
	3518.94
	2208.63
July 2022)	253.06
ust 2022 to	532.74



Proposed APO : FY 2021-22

S.no.	Project Component	Amount in (Lakh Rs.)
1	Strengthening Capacity of Government Institutions in Forestry and Land Management Programs	519.86
2	Investments for Improving Forest Quality in Selected Landscapes	1483.61
3	Project Management and Coordination	169.16
4	Total Proposed APO	2208.63





APO 2021-22 Item wise details

No.	Component / Activ
1.1	Staff training in use of GIS systems Renewal of AMC for GIS Software)
1.1.1	Training and protocol development for biodiversity me preparing biodiversity management plans, especially in
1.6	Support for exposure visits for frontline staff/JFMCs for in
1.6.4	Documentation and Publicity Material (Strategy and implementation of IEC plan for the ESIP p
1.11	NTFP Capacity-Building
2.1.1	Upgrading/modernization of select forest nurseries to planting material.
2.1.3	Investments in restoration works on degraded forestla
2.1.4	Establishing a forest carbon monitoring system
2.2	Developing community-based models for sustainable u
4.3	SPIU - Madhya Pradesh
	Grand Total



	Proposed
vities	amount
	(Rs Lakh)
or GIS software (Remote Sensing &	20.00
neasurements in select locations for in corridors	69.00
improving management practices	300.20
project in MP)	25.00
	105.66
o raise high-quality native species	300.00
ands	1,041.61
	36.00
utilization of NTFP	142.00
	169.16
	2,208.63



Cumulative Progress Physical

(as on 31st March, 2021)

S.no.	Items	Cu	mulative						
0.110.		Target (Phy)	Achieved (phy)						
Component – 1 Strengthening Capacity of Government Institutions in Forestry and Land Management Programs									
1	Exposure visit organized (nos.)	32	09						
2	Workshop conducted (nos.)	234	135						
3	Capacity building Workshop GIM Divisions (nos.)	15	15						
	Component-2.2 & 1.6.6: Developing community-based models for sustainable utilization of NTFP & Skill Development and Employment generation activities								
4	Livelihood Ensured (Beneficiary nos.)	4397	3380						





Cumula	ative Progress Physical			
(a	as on 31 st March, 2021)	THA ART	WORLD BANK	rolts and makers if she is reading
S.no.	Items		Cu	Imulative
			Target (Phy)	Achievement (phy)
Component	t -2 Investments for Improving Forest Quality i	n Selected La	andscapes	•
5	Site preparation (ha	.)	2729	3024
6	Plantation created (h	2424	2424	
7	Area under Maintenance	(ha.)	2424	2424
8	Plants Planted (nos.)	-	7,13,213
9	Upgrading/modernization select forest nurseries		06	06





Cumulative Progress Divisionwise (as on 31st March, 2021) cont....

Component -2 Investments for Improving Forest Quality in Selected Landscapes

SI. No.	Division	Site preparation (ha.)			on work a.)	Maintenance (ha.)		
		Target	Achievement	Target	Achievement	Target	Achievement	
1	N. Betul	779	1074*	874	874	874	874	
2	Hoshangabad	1400	1400	1200	1200	1200	1200	
3	Sehore	550	550	350	350	350	350	
	Total	2729	3024	2424	2424	2424	2424	

*North Betul Division has treated 1074 ha against approved APO of 779 ha, for which post facto approval would be needed.

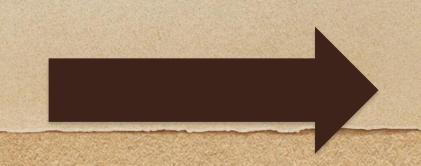




Component 1.6.6 : Developing community-based models for sustainable utilization of NTFP as on 31st March 2021

Activities Beneficiaries								
	Male	Female	Total	ST	SC	OBC	GEN	
Mahua Collection and net distribution	831	945	1776	1534	108	82	52	
Donapattal making	0	10	10	10	0	0	0	
Sericulture	27	8	35	32	3	0	0	
Vermicompost	259	2	261	203	20	33	5	
Grand Total	1117	965	2082	1779	131	115	57	
Percentage of female beneficiaries								
	Percenta	ge of ST b	eneficiari	es			85 %	
Percentage of	of other v	ulnerable	commun	ities (SC/	OBCs)		12 %	







Component 2.2 : Skill Development and Employment generation activities as on 31st March 2021

Activities	Beneficiaries									
	Male	Female	Total	ST	SC	OBC	GEN			
Bee Keeping	28	0	28	28	0	0	0			
Poultry	110	260	370	272	54	5	39			
Dairy Farming	258	22	280	142	37	77	24			
Mushroom cultivation	54	73	127	117	0	0	10			
Fish farming	69	60	129	124	0	0	5			
Light motor driving	5	0	5	3	2	0	0			
Tailoring	0	231	231	148	38	34	11			
Secirity guard	21	0	21	6	1	14	0			
Computer training	32	30	62	39	23	0	0			
Sanitary Unit	0	12	12	12	0	0	0			
Electrician & Motor Winding	30	3	33	33	0	0	0			
Grand Total	607	691	1298	924	155	130	89			
	Percent	age of female	beneficiaries	· · · · · · · · · · · · · · · · · · ·			53 %			
	Perce	entage of ST be	neficiaries				71 %			
Percer	ntage of oth	er vulnerable o	communities	(SC/OBCs)			22 %			

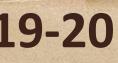




Audit completed for F.Y. 2018-19 & F.Y. 2019-20 **Audit Observations**

SI.	Project Component /	Amount d (in F		Decenc for discllowerse	
No.	Expenditure on	Audit year 2018-19	Audit year 2019-20	Reasons for disallowance	
1	Recovered as income tax (TDS on account of GST) for supplies made by contractors*		6,44,937.00	As per C & AGs order, the same was not eligible for reimbursement	
2	Expenditure on the activities of Component 3 (SLEM) **	23,56,257.00	15,11,000.00	Component 3 was designed to be executed by the ICFRE, Dehradun only and for which budget was made available by MOEF & CC GOI to ICFRE	
	Total	26,24,401.00	21,55,937.00		

Remarks-*Post facto approval by 3rd PSC dated 16.04.2020 **RE Appropriation proposal sent to MoEF&CC, New Delhi letter no. 167 dated 18-03-2021







RE Appropriation submitted to MoEF & CC

		Tota	I Project Cost	cy wise h/INR in Cr.)			
S. No.	Component/Activities	US\$ mn	INR <u>Crs @INR.67</u> April 28, 2017 exchange rate	SIPU MP Share as per the cost table		Propos appropri component alloca	iation of wise budget
				US\$	INR	US\$	INR
1	Component No 1	4.00	26.80	1.25	8.38	1.19	7.99
2	Component No 3	3.74	25.06		-	0.06	0.39





Consultancies progress

SI. No		Selection Method	No. of EOIs received	Status	contract value approved in STEP (US\$/Rs in lakh)	negotiatec contract valu (Rs in lakh
1.	Selection of a firm for developing IEC strategy and implementation of IEC Plan for ESIP	qualification	20	firm selected, negotiation completed	35,000 US\$ / 23.45 Lakh Rs	40.00
2	Sustainable Harvesting Protocols , Value Addition & Value Chain development for Non Timber Forest Products in selected district of MP.	Consultant qualification selection	10	firm selected, negotiation completed, draft negotiated contract finalised	75,000 US\$ / 50.25 Lakh Rs	79.85





Monitoring & Evaluation: ESIP Result Framework & Monitoring

Indicators	PDO Level Results indicators	Cumulative Target year 2020	Achievement till Mar'2021	Remarks
Indicator One	People in targeted forest and adjacent communities with increase monetary or non-monetary benefits from forests (disaggregated by: Female; ethnic minority/indigenous people)	1500	2082	Increase monetary benefits from forests Increase
	Females		965	
	Ethnic minority/ Indigenous people		2025	
Indicator Four	Targeted beneficiary groups engaged in participatory planning under the project	100	359	Households (out of 359 HHs 54.63% belongs to ST caste group)
Indicator Five	Direct Project beneficiaries of which female (Nos)	5000	7546	
Intermediate results 1.3	Government institutions provided with capacity building support to improve management of forest resources (No. of workshops)	8	19	North Betul 7 Sehore 7 Hoshangabad 5
Intermediate Results 3.2	SLEM best practices disseminated on ICFRE knowledge platform (Nos)	3	8	Report of SES MP received. 08 SLEM best practices started.





Monitoring & Evaluation: ESIP Result Framework & Monitoring

Intermediate Result (Component 2): Investments for improving forest quality in selected landscapes

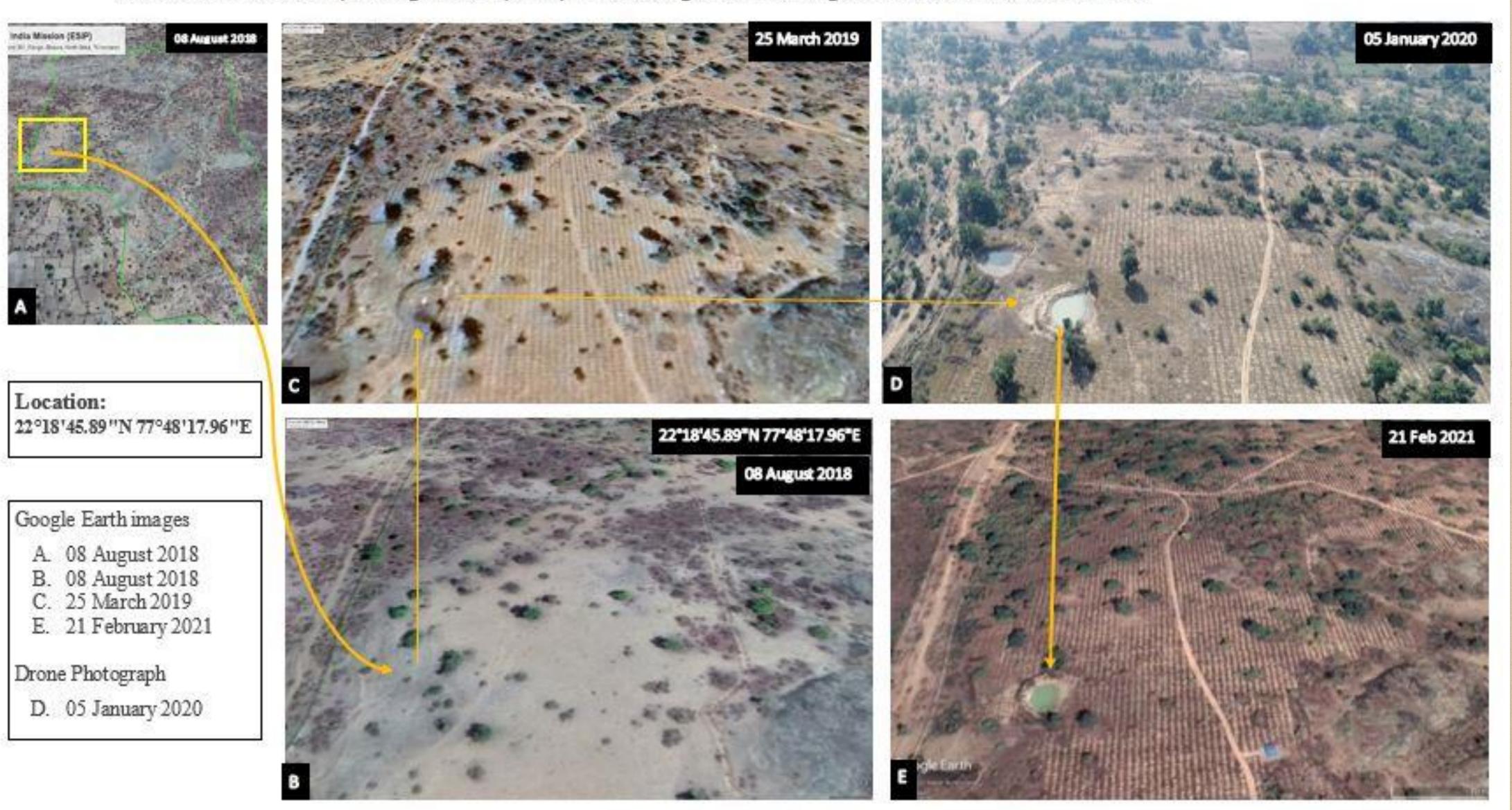
										A State of the second sec		
				and the second second second second	umulat	ive Tar	rget Val	ue				
	Intermediate Result Indicators	Unit of Measure	Baseline 2015	and the second second	2018	2019	2020	2021	End Target	Frequency	Description/Definition	
S.S.S.	Intermediate Results 2.2: Landscape area restored through treatment of 10,000 ha through project support		0	0	1079	2424	3024	3624	3624	Annual	Details of plantation is uploaded on plantation monitoring system. Regeneration status of restored area is publishe on GIM landscape porta	





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

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



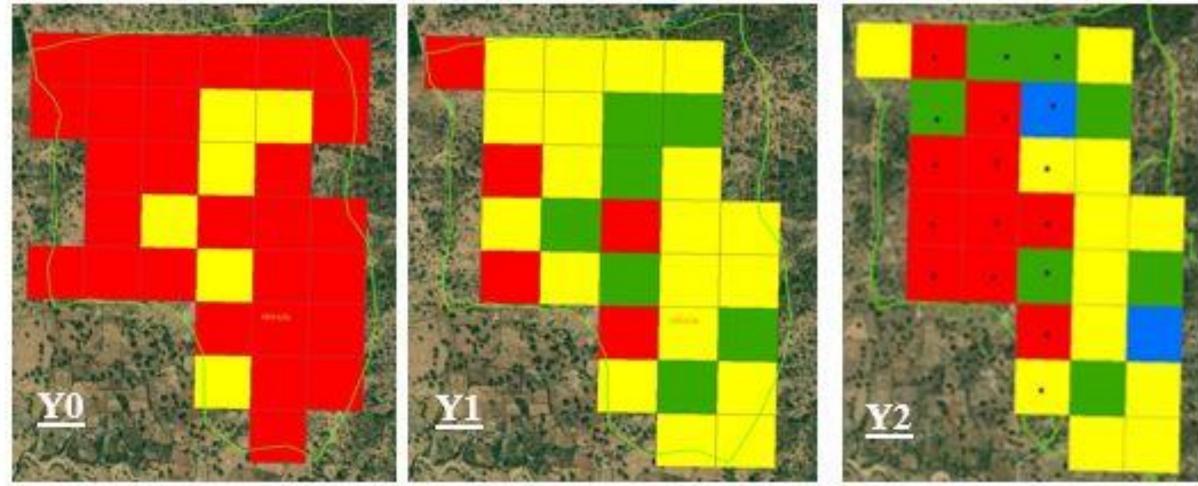




Landscape	Satpura Narmada
Division	North Betul
Mili-watershed	5D5A2h
Range	Bhaura
Compartment	PF 391
Beat	Kovalari
JFMC	Koyalbuddi
Scheme	ESIP
Project Duration	2018-2022
Sub Mission	2.1.3 Investments in restoration works on degraded forestlands
Project Cost	192.58 lakhs
Area	75 ha
Planting Year	2019
Soil Organic Carbon Y0	0.330 %
Plants Planted	75000
Species	Teak, <u>Karani</u> , <u>Aonla, Shisoo</u> , Bans, <u>Baheda</u> , Neem, <u>Khamer</u>
Survival %	98.49 % (as on Oct 2020)

#

Status of Natur	al Regeneration		
	Baseline Year YO	First Year Y1	Second Year Y2
No of Grids	34	34	34
Survey period	May 2019	October 2019	October 2020
Regeneration per ha	231.61	1080.88	1278.22
Area under Natural Regeneration (%)	0	20.59	26.47





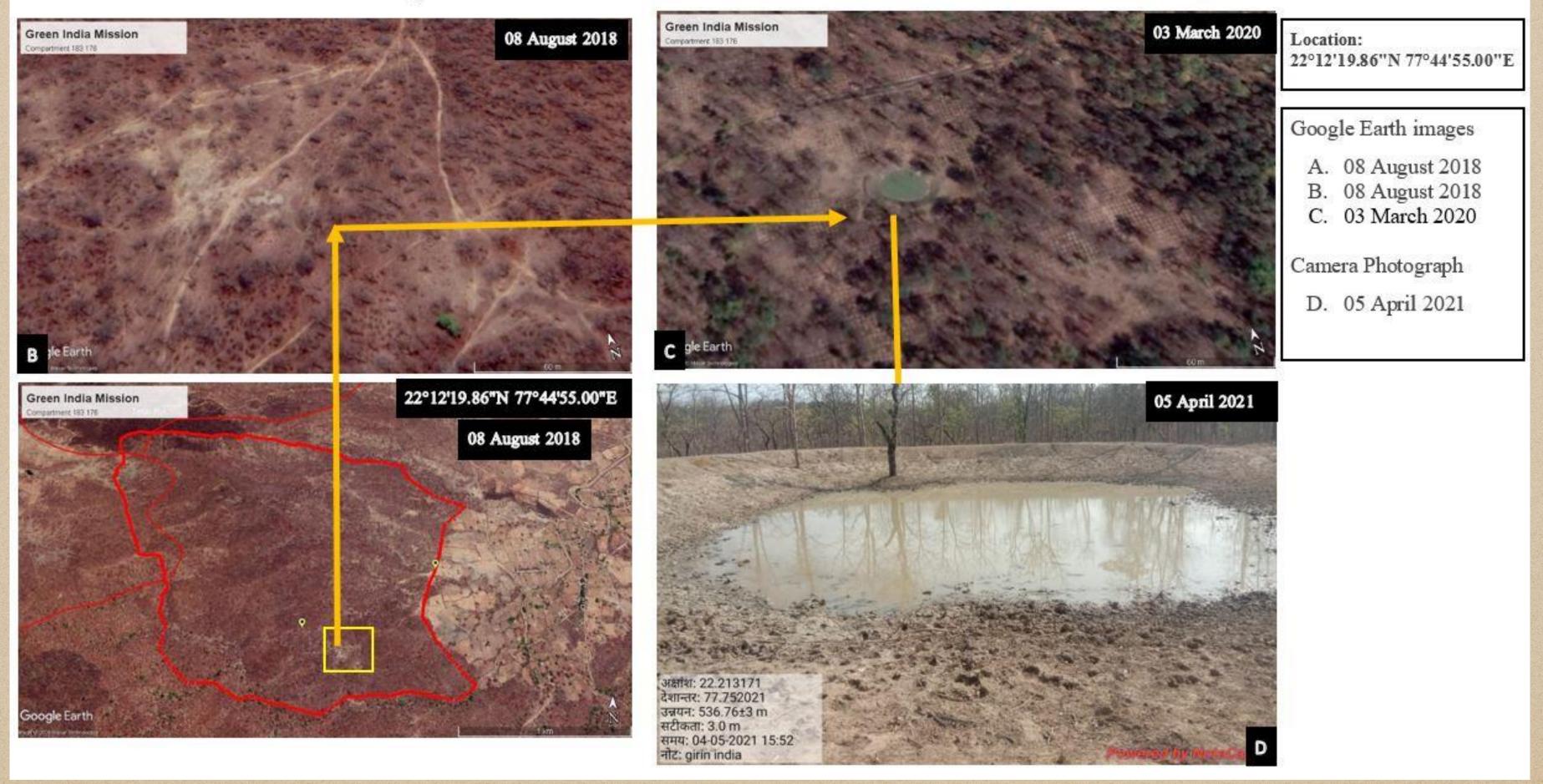


The Ground Reality



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

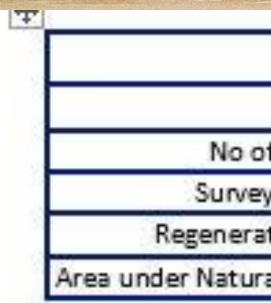
2.1.3 Investments in restoration works on degraded forestlands

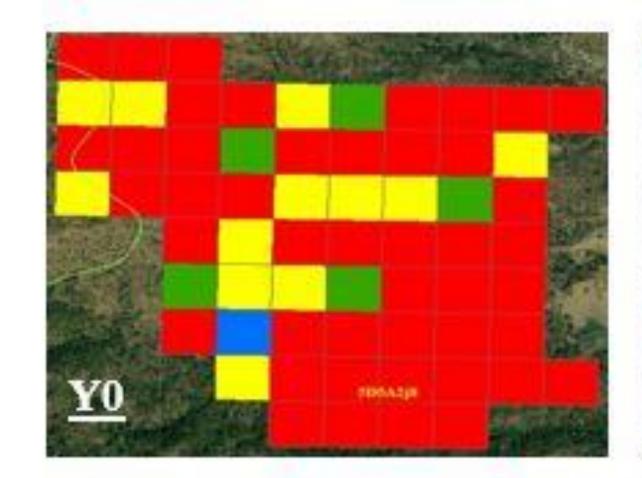




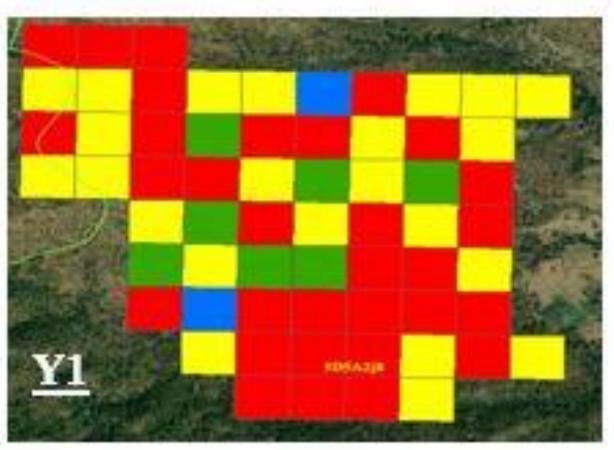


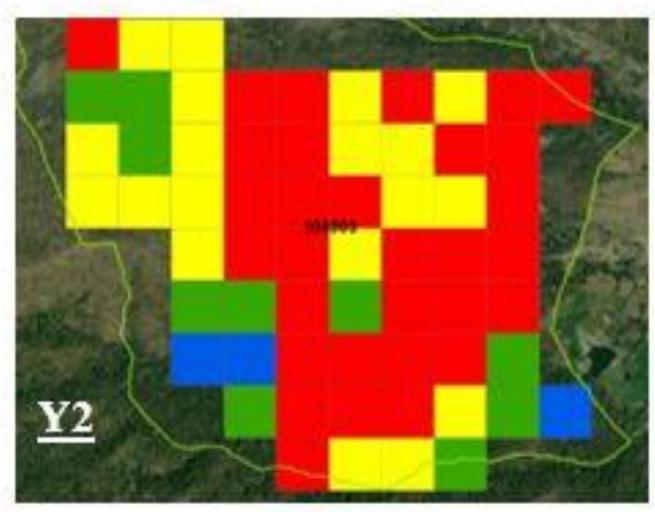
Landscape	Satpura Narmada
Division	North Betul
Mili- watershed	5D5A2j
Range	Shabpur
Compartment	RF 183 & 176
Beat	West Mudba
JFMC	Muda & Kotha
Scheme	GIM
Project Duration	2018-2022
Sub Mission	Sub Mission 1 (a) Moderately dense forest cover, but showing degradation
Project Cost	48.64 lakhs
Area	335
Planting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





Status of Nat	tural Regenerati	on	WORLD BANK	A REAL PROPERTY OF THE
	Baseline Year YO	First Year Y1	Second Year Y2	
ofGrids	63	63	63	
ey period	June 2019	October 2019	October 2020	
ration per ha	442.46	736.00	887.00	
ural Regeneration (%)	9.52	14.29	20.63	













Livelihood activities in ESIP (FY 2020-21) **Mahua Net Distribution & Mahua Flower Collection**



Divisoin	No. of Mahua net distributed	No. of Households	Quantity of Mahua collected using net (in quintals)	Mahua flower	Income in INR	Benefit of income (in INR) to the beneficiary above MSP	Percent increase in Income
Hoshangabad	499	172	310	50	1,55,000	46,500	42.86
Sehore	850	425	225	60	1,35,000	1,27,125	71.43
N. Betul	178	178	523	60	3,14,040	2,95,735	71.43
Total	1527	775	1058	-	6,04,040	4,69,360	63.06

Latitude: 22°52'25" Longitude: 77°44'3" Elevation: 322.57±3 m

Latitude: 22°52'25" Longitude: 77°44'3" Elevation: 322,74±3 m Accuracy: 3,7 m Time: 18-04-2021 10:58 Note: महुआ तुलाई khatpura



RLD BA

Mahua net : a game changer

- individual beneficiaries targeted
- collection method changed/ modified
- better value
- better market return
- reduction in fire incidence
- improvement in regeneration





Livelihood activities - Donna-Pattal Making



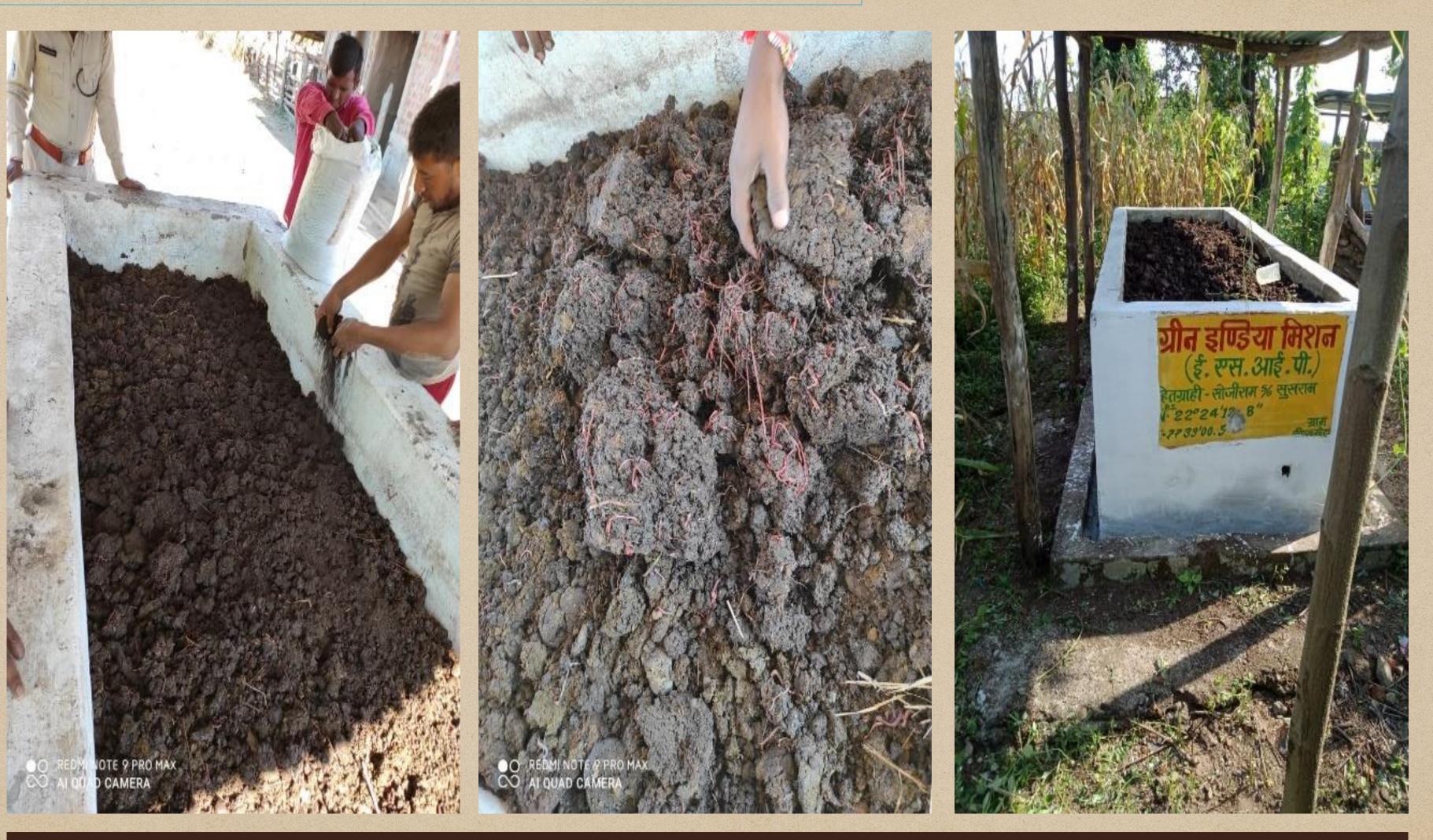
Exposure Visit to Donna Pattal Making Unit Village- Khedi (Sawligarh), Betul







Livelihood activities - Vermicompost



Production of Vermicompost Units, Banapura range, Hoshangabad



Livelihood activities - Mushroom Cultivation



Mushroom Cultivation, Village-Pipalgota, Banapura-Range, Hoshangabad



Livelihood activities - Poultry





Distribution of Chick for Poultry activity, Village-Pipalgota, Banapura range, Hoshangabad



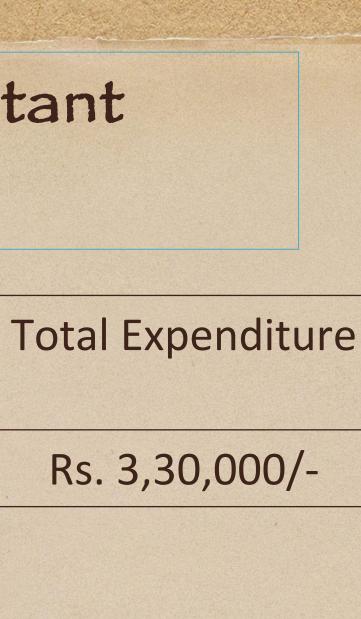
Livelihood activities - Assistant Electrician Training

Total Person Trained	Boys	Girls	
33	30	03	

Achievements-

- 7 boys received contract of Rs. 80000/- with the local Panchayats for Electrical work under Prime Minister Aawas Yojana.
- 1 trained boy and 1 girl has started working as Assistant Trainer with the Training Provider NGO with a monthly salary of Rs. 6000/-.
- 2 boys has started working in Vardhman Fabric Budhni with starting Stipend of Rs.
 7018/- which will be revised to Rs.10,450/after six months.







Individual consultants working for the project :-

SI. No	Name	Designation	Date of Joining
1	Dr. Sumedha Sharma	Procurement cum Financial management specialist	30/04/ 2021
2	Mr. Aakash Dekate	GIS and Database Expert	10/10/2020
3	Dr. Swati Moghe	Social Development & Community Mobilization specialist	13/03/2020
4	Dr. Shivkumar Kourav	Forestry, Ecosystem services & KM specialist	3/03/2020





Financial Progres FY 2020-21

SI. No	Project Components	APO 2020-21		
		Proposed Target (In Lakh Rs.)	Approved Target (In Lakh Rs.)	Achievement (In Lakh Rs.)
1	Strengthening Capacity of Government Institutions in Forestry and Land Management Programs	582.45	60.20	60.54
2	Investments for Improving Forest Quality in Selected Landscapes	3235.56	1779.89	1667.72
4	Project Management and Coordination	179.80	160.00	88.61
	Total APO	3997.81	2000.09	1816.87

Divisio	Total Financial					
North Betul	Sehore	Hoshangabad	R & E Bhopal	R & E Betul	Achievement (Rs. Lakh)	
515.73	408.68	504.16	385.5	2.80	1816.87	





Physical Achievement for FY 2020-21

Component -2 Investments for Improving Forest Quality in Selected Landscapes

SI. No.	Division		eparation na.)	Plantation work (ha.)		Maintenance (ha.)	
		Target	Achieved	Target	Achieved	Target	Achieved
1	N. Betul	200	200	695	695	874	874
2	Hoshangabad	200	200	600	600	1200	1200
3	Sehore	200	200	50	50	350	350
	Total		600	1345	1345	2424	2424





Physical Progress in Brief FY 2020-21 (as on 31st March, 2021)

S.no.	Items	Cumulative						
		Target (Phy)	Achieved (phy)					
Component -	Component -2 Investments for Improving Forest Quality in Selected Landscapes							
1.	Site preparation (ha.)	600	600					
2.	Plantation created (ha.)	1345	1345					
3.	Area under Maintenance (ha.)	1079	1079					
4.	Plants Planted (nos.)	_	2,69,620					
5.	Total treated area (ha.)	3024	3024					
6.	Upgrading/modernization of select forest nurseries to raise high-quality native species planting material	03	03					
Component -	Component – 1 Strengthening Capacity of Government Institutions in Forestry and Land Management Programs							
7.	Exposure visit organized (nos.)	10	01					
8.	Workshop conducted (nos.)	81	40					
Component- 2.2 & 1.6.6: Developing community-based models for sustainable utilization of NTFP & Skill Development and Employment generation activities								
9.	Livelihood Insured (nos.)	3090	1460					





3 Nurseries taken up for upgradation in FY 2020-21

SI. No.	Activities	Bansapur, Sehore (carry over of activities of 2019-20)	Holipura, Sehore	Ahamadpur, Bhopal	Amarwad, Raisen
1	C.C beds	200	174	171	150
2	Poly house	720 sqm	720 sqm	-	720 sqm
3	Green house	722 sq.m	-	-	_
4	Vermi-compost units	10m*6m 4 tanks	units-10m*6m 4 tanks	units-10m*6m 4 tanks	units-10m*6m 4 tanks
5	root trainers	1.00 lakh units	-		-
6	solar pump	7.5 KVA	-	-	-
7	Seed treatment platform	300sq.m	300sq.m	300sq.m	300sq.m
8	Sprinkler set	200 beds, 4 per bed	200 beds, 4 per bed	200 beds, 4 per bed	200 beds, 4 per bed
9	fencing	500Rmt	500Rmt	500Rmt	500Rmt
10	Mist chamber	-	120 sq mt	120 sq mt	120 sq mt
11	Inner road	500 Rmt	500 Rmt	500 Rmt	500 Rmt
12	Over Head Tank	1 nos.	1 nos.	1 nos.	1 nos.



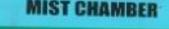


Nurseries taken up for upgradation cont...

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Water Tank Ahmedpur Nursery

Nursery bed Ahmedpur Nursery







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मिस्ट चेम्बर

for all - prove to

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Mist Chamber Ahmedpur Nursery

Solar Pannel Amarawad Nursery



Nurseries taken up for upgradation cont

Arial View of Amarawad Nursery





SPIU M.P. STEP Status of Activities till date

Activity Summary 145 Activities in 1 Projects

- Completed
- Pending Implementation
 - Under Implementation
 - Canceled
 - New
 - Signed
 - Modified/Cleared
 - Modified/Returned

Pending and Under Implementation activities post pandemic under completion Mostly affected due to constraints owing to the pandemic Pending activities expected to be completed by August 2021 •







Laxmi Ramsingh Chauhan Beneficiary of Mushroom Cultivation Village- Handipani Range- Bhoura Division- N. Betul

Thank You

Latitude: 22.262158 Longitude: 77.799667 Elevation: 422.55 m Accuracy: 2.0 m Time: 27-01-2021 15:24 Note: Ladki ransingh chauhan Handipani, 3kg dry Mushroom

