



महाराष्ट्र राज्य रस्ते विकास महामंडळ मर्यादित (महाराष्ट्र शासनाचा उपक्रम)



शिबीर कार्यालय : ग्रीन बिल्डींग, ३रा मजला, बांधकाम भवन परिसर, उंटवाडी रोड, नाशिक - ४२२००२
दुरध्वनी क्र.: (०२५३) २३१४६७७ ई-मेल : eemsrdcnsk14@gmail.com

दिनांक : १७/०८/२०२५

जा.क्र. म.रा.र.वि.म./नाशिक/रा.म./२०२५/५२१

प्रति,
उप वनसंरक्षक,
जळगांव

विषय :- Diversion of 6.295 ha of Reserved Forest land in favour of MSRDC, Mumbai for Rehabilitation and Up-gradation of Pahur-Jamner Bodhwad-Muktainagar-Barhanpur NH-753L (Km 0+000 to Km 78+145) to two lane with paved shoulder in Villages-Jamner & Sonari, Taluka-Jamner, District- Jalgaon in the State of Maharashtra.
Reg. Compliance of Stage- I of Forest Proposal and request for according Final Approval (Stage- II)

- संदर्भ :-**
- आपले कार्यालयाचे पत्र क्रमांक-ब/कक्ष-5/जमिन/2923/सन-2024-25 जळगांव दि.14.11.2024
 - या कार्यालयाचे पत्र जा.क्र. म.रा.र.वि.म./नाशिक/रा.म./2025/145 दि. 05.02.2025
 - अपर प्रधान मुख्य वनसंरक्षक व केंद्रस्थ अधिकारी, नागरपुर यांचेकडील पत्र क्रमांक:कक्ष-17/नोडल/धुळे/ID-13054/2842/2024-25 दि. 20.03.2025
 - या कार्यालयाचे पत्र जा.क्र. म.रा.र.वि.म./नाशिक/रा.म./2025/429 दि. 28.03.2025
 - आपले कार्यालयाचे पत्र क्रमांक-ब/कक्ष-5/जमिन/133/सन-2025-26 जळगांव दि. 09.04.2025

उपरोक्त विषयांकीत संदर्भ पत्र क्र.1 अन्वये, सदर कामासाठी (वृक्ष लागवड व 4 वर्षे देखाभाल) रक्कम रु. 15,01,206/- चे अंदाजपत्रक तयार करून या कार्यालयास सादर करण्यात आले आहे. संदर्भ पत्र क्र. 2 अन्वये, Reclamation plan मध्ये सदर रक्कमेचा अंतर्भाव करून सुधारित Reclamation plan आपल्या कार्यालयास सादर करण्यात आला आहे.

परंतु अपर प्रधान मुख्य वनसंरक्षक व केंद्रस्थ अधिकारी, नागरपुर यांच्या संदर्भ क्र. 3 च्या पत्रान्वये सुचित करण्यात आले आहे की, वन (संरक्षण एवं संवर्धन) अधिनियम, १९८० व वन (संरक्षण एवं संवर्धन) नियम २०२३ अन्वये प्राप्त मार्गदर्शक सुचना मधील Annexure - IV नुसार २.५: Road Projects: मधील अट क्रमांक (i) अन्वये आर्थिक वर्ष २०२५-२६ चे दरपत्रकानुसार १० वर्षाकरीता मॉडेल क्रमांक ५ नुसार वनिकरणाची योजना सादर करणे आवश्यक आहे.

संदर्भ पत्र क्र. 4 अन्वये, आर्थिक वर्ष 2025-26 चे दरपत्रकानुसार सुधारित अंदाजपत्रक या कार्यालयास मंजुरीस्तव सादर करणेस्तव कळविण्यात आले. संदर्भ क्र. 5 अन्वये, आपले कार्यालयामार्फत सुधारीत अंदाजपत्रक रक्कम रु. 5,87,893/- या कार्यालयास सादर करण्यात आले आहे.

त्याअनुषंगाने, आर्थिक वर्ष 2025-26 चे दरपत्रकानुसार सदर रक्कमेचा अंतर्भाव करून सुधारित Reclamation plan आपल्या कार्यालयास पुनःच पुढील कार्यवाहीस्तव सादर करण्यात येत आहे.
हे आपल्या माहितीस्तव व पुढील कार्यवाहीस्तव.

सोबत :- सुधारीत Reclamation Plan 5 प्रति.

0/c

PEBh
(रंजना ए. दळवी)

कार्यकारी अभियंता
म.रा.र.वि.महामंडळ (मर्या.) मुंबई
शिबीर कार्यालय, नाशिक

प्रत :- मुख्य वनसंरक्षक, जळगांव यांना यांना माहितीस्तव सविनय सादर.
प्रत :- अधिक्षक अभियंता, म.रा.र.वि.म. (मर्या.) शिबीर कार्यालय, नाशिक यांना माहितीस्तव सविनय सादर.
प्रत :- वनसंरक्षक (प्रा.), धुळे यांना माहितीस्तव अग्रेषित.

नोंदणीकृत कार्यालय : नेपियनसी रोड, प्रियदर्शिनी पार्क शेजारी, मुंबई - ४०० ०३५
दुरध्वनी : ०२२-२३६८६११२, २३६९६१०९/३६७१/३६७३ फॅक्स : ०२२-२६६८४९४३
वेबसाईट : www.msrdc.org सीआयएन : U45200MH1996SGC101586



वृक्षः पुत्रनिसर्गाचा ! सखा मानवाचा !!

दूरध्वनी क्रमांक : 0257-2229840

Email Id- dcfjalgaon@gmail.com

उपवनसंरक्षक, जळगांव वनविभाग यांचे कार्यालय, जळगांव

प्रशासकीय इमारत, रू. 3, जळगांव, आ. का. रा. वा. पी. के. द. जळगांव, जळगांव 001

EXECUTIVE ENGINEER (NH)

MSRDC (LTD.) JALGAON CAMP OFFICE NASHIK

ISO 9001:2015 द्वारा प्रमाणित

क्रमांक- ब/कक्ष-5/जमिन/ 133 / सन 2025-26 जळगांव-425001 दिनांक 09/04/2025

प्रति,
कार्यकारी अभियंता,
मरारवि महामंडळ (मर्या) मुंबई,
शिबीर कार्यालय नाशिक

Sr. Clerk 17104/2025
R.R.No. 683
ENCL.
DATE 16/04/2025

DE
प्र. नेले
कार्यकारी कर्मचा.

- संदर्भ- 1) या कार्यालयाचे पत्र क्र. ब/लले/762 दि. 01/08/2024.
2) वनसर्वेक, विभागीय कार्यालय जळगांव यांचा दि. 20/08/2024 रोजीचा अहवाल.
3) वनपरिक्षेत्र अधिकारी, जामनेर यांचे कडील पत्र क्र. अ/ 1360 दि. 23/08/2024
4) या कार्यालयाचे पत्र क्र. ब/कक्ष-5/जमिन/ 2164 दि. 09/09/2024
5) कार्यकारी अभियंता, मरारवि महामंडळ (मर्या) मुंबई, शिबीर कार्यालय नाशिक यांचे कडील पत्र क्र. EE/ MSRDC/NH/ NSK/ 2025/145 Dt. 05/02/2025
6) या कार्यालयाचे पत्र क्र. अ/कक्ष-5/जमिन/ 1844 दि. 17/02/2025
7) मा.अपर प्रधान मुख्य वनसंरक्षक तथा केंद्रस्थ अधिकारी, म.रा.नागपुर यांचे कडील पत्र क्र. क्र. कक्ष-17/नोडल/धुळे/ID-13054/2842 दि. 20/03/2025
8) या कार्यालयाचे पत्र क्र. ब/कक्ष-5/जमिन/ 4815 दि. 27/03/2025
9) वनपरिक्षेत्र अधिकारी, जामनेर यांचे कडील पत्र क्र. अ/ 38 दि. 07/04/2025

उपरोक्त संदर्भित पत्र क्र. 1 अन्वये वन (संवर्धन) अधिनीयम 1980 अंतर्गत पहर-जामनेर-बोदवड-मुक्ताईनगर-ब-हानपुर- इच्छापुर रस्ता (राष्ट्रीय महामार्ग क्र.753 एल) या रस्त्याचे कांक्रीटीकरणासह दुपदरीकरण करणे बाबतच्या प्रस्तावील कामामध्ये किती ठिकाणी Hume Pipe टाकण्यात आलेले आहेत याची व सदर रस्त्याच्या प्रस्तावामध्ये किती ठिकाणी रिअलाईयमेंट करण्यात आले याची प्रकल्प यंत्रणा यांचे समवेत तपासणी करून क्षेत्र काढून अंदाजपत्रकासह अहवाल सादर करणे बाबत वनपरिक्षेत्र अधिकारी, जामनेर यांना सुचित करण्यात आले आहे.

वनपरिक्षेत्र अधिकारी, जामनेर यांनी यांचे कडील संदर्भित पत्र क्र. 3 अन्वये एकुण- 0.6625 हेक्टर क्षेत्राचे सामाजिक वनीकरण विभागाकडील घन वन वृक्ष लागवड (Hight Density) कामाचे नमुणा क्रमांक 4 चे रोपवनाचे रक्कम रु. 15,01,206/- रुपयाचे अंदाजपत्रक या कार्यालयास सादर केले होते.

या कार्यालयाचे संदर्भित पत्र क्र. 4 अन्वये Reclamation Plan मध्ये रक्कम रु. 15,01,206/- ची आर्थिक तरतुद करून सुधारीत Reclamation Plan या कार्यालयास सादर करणे बाबत आपणास कळविण्यात आले होते.

आपले कडील संदर्भित पत्र क्र. 5 नुसार Reclamation Plan मध्ये रक्कम रु. 15,01,206/- मात्र ची आर्थिक तरतुद करून सुधारीत Reclamation Plan या कार्यालयास सादर करण्यात आला होता.

सदरचा Reclamation Plan या कार्यालयाचे संदर्भित पत्र क्र. 6 अन्वये वरिष्ठांना सादर करण्यात आला होता.

तथापी, मा.अपर प्रधान मुख्य वनसंरक्षक तथा केंद्रस्थ अधिकारी, म.रा.नागपुर यांनी त्यांचे कडील संदर्भित पत्र क्र. 7 अन्वये वन (संरक्षण एंव संवर्धन) अधिनीयम, 1980 व वन (संरक्षण एंव संवर्धन) नियम 2023 अन्वये प्राप्त मार्गदर्शक सुचना मधील अट क्र. (I) अन्वये आर्थिक वर्षे 2025-26 चे दरपत्रकानुसार 10

वर्षाकरीता मॉडेल नंबर 5 नुसार वनीकरणाची योजना सादर करणे बाबत या कार्यालयास कळविले असुन, या कार्यालयाचे संदर्भिय पत्र क्र. 8 अन्वये वरील प्रमाणे वृदीची पुर्तता करुन सुधारीत अंदाजपत्रक सादर करणे बाबत वनपरिक्षेत्र अधिकारी, जामनेर यांना कळविण्यात आले होते.

त्यानुसार वनपरिक्षेत्र अधिकारी, जामनेर यांनी त्यांचे कडील संदर्भिय पत्र क्र. 9 अन्वये वन (संरक्षण एंव संवर्धन) अधिनीयम, 1980 व वन (संरक्षण एंव संवर्धन) नियम 2023 अन्वये प्राप्त मार्गदर्शक सुचना मधील अट क्र. (i) अन्वये आर्थिक वर्ष 2025-26 चे दरपत्रकानुसार 10 वर्षाकरीता मॉडेल नंबर 5 नुसार रक्कम रु. 5,87,893/- मात्र ची वनीकरणाची सुधारीत योजना या कार्यालयास अंदाजपत्रकासह सादर केली असुन, सदरचे अंदाजपत्रक पुढील कार्यवाहीसाठी सोबत पाठविण्यात येत आहे.

तरी, Reclamation Plan मध्ये रक्कम रु. 5,87,893/- ची आर्थिक तरतुद करुन सुधारीत Reclamation Plan या कार्यालयास सादर करावा हि विनंती.

सहपत्र- वरील प्रमाणे


(प्रविण ए)

उपवनसंरक्षक

जळगाव वनविभाग, जळगाव

प्रतिलिपी- वनपरिक्षेत्र अधिकारी, जामनेर यांना पुढील कार्यवाहीसाठी अग्रेषीत.

प्रतिलिपी- सहा.वनसंरक्षक (मृद व कॅम्पा) यांना पुढील कार्यवाहीसाठी अग्रेषीत.

प्रतिलिपी- मा. वनसंरक्षक (प्रा) धुळे यांना माहितीसाठी सादर.

Encloser to Principal Chief Conservator of Forest (HoFF), M. S. Nagpur Letter No. Desk-17/CA/Nodal Cell/CR-40/1127/2019-20 Date. 04/10/2019

Model Rate Structure for Compensatory Afforestation

Model No.5

Fencing and Irrigated Plantations

Model rate structure for plantation of mixed tree species having rainfall less than 800 mm and medium quality, medium drained soil.

Spacement
Size of pits
No. of seedlings
3 x 3 m
0.45 x 0.45 x 0.45 in
1111 per ha

Size of pits		No. of seedlings		1111 per ha			Wage Rate			RS. 514.88		Per Day	
Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total				
A. Pre Monsoon Works (PPO/PYO)		1.00 ha.			.66 Ha (100 Plant)								
1	a) Survey and demarcation	1.00	514.88	91.00	605.88	0.66	341.11	60.29	401.40				
	b) Preparation of treatment map (100 in x 50 in grid)	1.00	514.88	91.00	605.88	0.66	341.11	60.29	401.40				
	c) Digging trial pits of size 0.30 x 0.30 x 0.60 corner of Grid.	0.40	205.95	0.00	205.95	0.27	136.44	0.00	136.44				
	d) Fixing 60cm x 0.05cm x 12cm cement pillars up to 30cm deep in corner of Grid painting with Grid No. etc completed (3 pillars Rs. 75/- for each pillars)	0.00	0.00	225.00	225.00	0.00	0.00	149.06	149.06				
	e) Clearing of bushes and preparation of site (As per requirement)	10.00	5148.80	91.00	5239.80	6.63	3411.08	60.29	3471.37				
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc	31.00	15961.28	0.00	15961.28	20.54	10574.35	0.00	10574.35				
3	Providing and fixing chain link fencing. 102 Rmt per ha (With one gate + two wickets gates for one side) (Rs.1494/- per Rmt of basic rate + 20% for transportation of ave. lead plus 20% for tribal/ remote area (by tender process.) (Rs.1494+149+149=1792/- per Rmt (1.60 Rmt height with G.I Chain link size 500mmx50m. 8 gauge thick and fixed 75 mm above ground level complete as per SSR item No. 1744 for 2017.18) (Tree Gaurd 650 Nos)	0.00	0.00	0.00	0.00	0.00		28586.00	28586.00				

Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
4	Alignments of pits at 3m x 3m spacement 1111 pits per ha (0.25 per 100 pits and M&S @ Rs.2.24 per 50 pits)	2.78	1431.37	49.77	1481.14	1.84	948.28	32.97	981.25
5	Digging of pits of size 0.45 x 0.45 x 0.45 m. (1111 pits per ha.) 6.60 M.D per 100 pits Note:- As per local conditions provosoin for mechanized digging can be made.	73.33	37756.15	0.00	37756.15	48.58	25013.45	0.00	25013.45
6	Construction of 5.00 Rmt wide Inspection Path IMD per 100 Rmt.	1.00	514.88	0.00	514.88	0.66	341.11	0.00	341.11
7	Enumeration of all valuable plant species at plantation site and grid wise counting and providing color band and recording the same in register (0.75 M.D) per 100 plants.	0.75	386.16	25.00	411.16	0.50	255.83	16.56	272.39
8	Providing and fixing (4 feet x 3 feet) information board each per site.	0.00	0.00	5000.00	5000.00	0.00	0.00	5000.00	5000.00
9	Part Nursery cost for raising 1333 seedlings per ha (including 20% casualty replacement) in polybag of size 12.50 x 25.00 cm (Wages Rs.11.90 and M & S Rs.3.62 per plant)	46.71	24050.04	4825.46	28875.50	30.95	15933.15	3196.87	19130.02
	Total	167.97	86484.39	10398.23	96882.62	111.28	57295.91	37162.33	94458.24
	Contingency 3%	0.00	0.00	2906.48	2906.48	0.00	0.00	2833.75	2833.75
	Labour Welfare 4%	0.00	0.00	3875.30	3875.30	0.00	0.00	3778.33	3778.33
	Grand Total	167.97	86484.39	17180.01	103664.41	111.28	57295.91	43774.40	101070.31

Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
B. First Year Operations		1.00 ha.		1.00 ha.		For .66 ha. (100 Plant)		Wage Rate Rs.566.37 Per Day	
1	Part nursery cost for maintenance of 1333 seedlings per ha 3.77 per seedling (Wages 2.69 M & S Rs. 0.81)	14.80	8382.25	1079.73	9461.98	9.81	5553.24	715.32	6268.56
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 M.D per 100 pits)	18.44	10443.83	1944.25	12388.08	12.22	6919.03	1288.07	8207.10
3	Transportation of 1333 seedlings from Nursery to plantation site including loading and unloading wages (0.14 M.D per 100 seedling and M.S Rs.1.82 per seedling)	1.87	1059.11	2426.00	3485.11	1.24	701.66	1607.23	2308.88
4	Planting of 1111 seedlings (1.0 M.D per 100 seedlings)	11.11	6292.35	0.00	6292.35	7.36	4168.68	0.00	4168.68
5	3 seedling (1 Rmt circular) and 2 soil workings (4.00 M.D per 100 seedlings) fertilizer application Rs.0.82 per seedling	44.44	25169.39	911.02	26080.41	29.44	16674.72	603.55	17278.27
6	Watering 1111 seedling November and December 1 time each, January to March 2 times each per seedling 5 litre water, purchase of 1111 plastic can of 5 litre/ matka @Rs.25/- each and 100 litre capacity 11 drums @Rs.400/- each for supplying water and water supply at @Rs.0.05 per litre and wages for for watering 1 M.D for 150 seedling.	59.25	33557.30	54395.00	87952.30	39.25	22231.71	36036.69	58268.40
7	Causality replacement (20% 222 seedlings per ha) (2 M.D per 100 seedling)	4.44	2514.67	0.00	2514.67	2.94	1665.97	0.00	1665.97

Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
8	Part Nursery cost for causality replacement in SYO (222 seedlings per ha.) (wages Rs. 11.90 and material supply Rs.3.52 total Rs.12.55 per seedling.)	7.77	4400.68	803.64	5204.32	5.15	2915.45	532.41	3447.86
9	Watch and ward (10 months- 1 watcher per 10 ha)	27.38	15507.16	0.00	15507.16	18.14	10273.49	0.00	10273.49
10	Soil working for naturally grower plants and singling (1.15 M.D per 100 plants)	1.15	651.32	10.00	661.32	0.76	431.50	6.63	438.13
11	Fire tracing	2.00	1132.74	0.00	1132.74	1.33	750.44	0.00	750.44
	Total	192.65	109110.80	61569.64	170680.44	127.63	72285.90	40789.89	113075.79
	Contingency 3%	0.00	0.00	5120.41	5120.41	0.00	0.00	3392.27	3392.27
	Labour Welfare 4%	0.00	0.00	6827.22	6827.22	0.00	0.00	4523.03	4523.03
	Total	192.65	109110.80	73517.27	182628.07	127.63	72285.90	4523.03	120991.09
C. Second Year Operations									
					1.00 ha.	For 66 ha. (100 Plant)			
1	Part nursery cost for seedlings for causality replacement (222 seedlings per ha) labour rate @ Rs. 3.77 and M.S Rs. 1.82 per seedlings	2.46	1532.59	404.00	1936.59	1.63	1015.34	267.65	1282.99
2	Transportation of 222 seedlings for causality replacement from Nursery to plantation site (including loading & unloading) wages 0.14 M.D per 100 seedlings & M.S Rs.1.82 per seedlings	0.31	193.13	404.04	597.17	0.21	127.95	267.68	395.63
3	Planting for causality replacement 222 seedling (2.00 M.D per 100 seedlings)	4.44	2766.14	0.00	2766.14	2.94	1832.57	0.00	1832.57
4	2 weedings and 1 soil working, with fertilizer application 2.5 M.D per 100 seedling at M.S. Rs. 0.82 per seedlings	27.77	17300.84	911.02	18211.86	18.40	11461.81	603.55	12065.36

Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
5	Watering 1111 seedling November and December 1 time each, January to March 2 times each per seedling 5 litre water, purchase of 1111 plastic can of 5 litre/ matka @Rs.25/- each and 100 litre capacity 11 drums @Rs.400/- each for supplying water and water supply at @Rs.0.05 per litre and wages for for watering 1 M.D for 150 seedling.	88.88	55372.67	36105.00	91477.67	58.88	36684.39	23919.56	60603.95
6	Watch and ward (12 months- 1 watcher per 10 ha)	36.50	22739.68	0.00	22739.68	24.18	15065.03	0.00	15065.03
7	Fire tracing	2.00	1246.01	0.00	1246.01	1.33	825.48	0.00	825.48
	Total	162.36	101151.06	37824.06	138975.12	107.56	67012.58	25058.44	92071.02
	Contingency 3%	0.00	0.00	4169.25	4169.25	0.00	0.00	2762.13	2762.13
	Labour Welfare 4%	0.00	0.00	5559.00	5559.00	0.00	0.00	3682.84	3682.84
	Grand Total	162.36	101151.06	47552.32	148703.38	107.56	67012.58	31503.41	98515.99

D. Third Year Operations					For .66 ha. (100 Plant)				
1.00 ha.					Wage Rate Rs.685.31 Per Day				
1	1 weeding and 1 soil working (1.50 M.D per 100 seedlings) applying fertilizer @ Rs. 0.82 per plant	16.67	11424.04	911.02	12335.06	11.04	7568.43	603.55	8171.98
2	Watering 556 seedling in November, December, January and June 1 time each and in February to May 2 time each total 12 times per seedling 5 litre replacing 10% plastic can/ matka water @Rs.0.50/- per litre and watering 150 seedling per M.D	44.48	30482.38	16680	47162.38	29.47	20194.58	11050.50	31245.08
3	Watch and ward (12 months- 1 watcher per 10 ha)	36.50	25013.64	0.00	25013.64	24.18	16571.54	0.00	16571.54
4	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2.00	1370.61	25.00	1395.61	1.33	908.03	16.56	924.59
5	Fire tracing	2.00	1370.61	0.00	1370.61	1.33	908.03	0.00	908.03
	Total	101.65	69661.28	17616.02	87277.30	67.34	46150.60	11670.61	57821.21
	Contingency 3%	0.00	0.00	2618.32	2618.32	0.00	0.00	1734.64	1734.64
	Labour Welfare 4%	0.00	0.00	3491.09	3491.09	0.00	0.00	2312.85	2312.85
	Total	101.65	69661.28	23725.43	93386.71	67.34	46150.60	15718.10	61868.70

Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
E. Four Year Operations									
		1.00 ha.				For .66 ha. (100 Plant)			
1	Watch and ward (12 months- 1 watcher per 10 ha)	36.50	27515.01	0.00	27515.01	24.18	18228.69	0.00	18228.69
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2.00	1507.67	25.00	1532.67	1.33	998.83	16.56	1015.39
3	Fire tracing	2.00	1507.67	0.00	1507.67	1.33	998.83	0.00	998.83
	Total	40.50	30530.35	25.00	30555.35	26.83	20226.36	16.56	20242.92
	Contingency 3%	0.00	0.00	916.66	916.66	0.00	0.00	607.29	607.29
	Labour Welfare 4%	0.00	0.00	1222.21	1222.21	0.00	0.00	809.72	809.72
	Grand Total	40.50	30530.35	2163.87	32694.22	26.83	20226.36	1433.57	21659.92

F. Fifth Year Operations									
		1.00 ha.				For .66 ha. (100 Plant)			
1	Watch and ward (12 months- 1 watcher per 10 ha)	36.50	30266.51	0.00	30266.51	24.18	20051.56	0.00	20051.56
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2.00	1658.44	25.00	1683.44	1.33	1098.72	16.56	1115.28
3	Fire tracing	2.00	1658.44	0.00	1658.44	1.33	1098.72	0.00	1098.72
	Total	40.50	33583.39	25.00	33608.39	26.83	22248.99	16.56	22265.56
	Contingency 3%	0.00	0.00	1008.25	1008.25	0.00	0.00	667.97	667.97
	Labour Welfare 4%	0.00	0.00	1344.34	1344.34	0.00	0.00	890.62	890.62
	Grand Total	40.50	33583.39	2377.59	35960.97	26.83	22248.99	1575.15	23824.14

Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total	Material supply	Total
G. Sixth Year Operations		1.00 ha.		For .66 ha. (100 Plant)		Wage Rate Rs.912.14 Per Day					
1	Watch and ward (12 months- 1 watcher per 10 ha)	36.50	33293.16	0.00	33293.16	24.18	22056.72	0.00	22056.72		
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2.00	1824.28	25.00	1849.28	1.33	1208.59	16.56	1225.15		
3	Fire tracing	2.00	1824.28	0.00	1824.28	1.33	1208.59	0.00	1208.59		
	Total	40.50	36941.72	25.00	36966.72	26.83	24473.89	16.56	24490.45		
	Contingency 3%	0.00	0.00	1109.00	1109.00	0.00	0.00	734.71	734.71		
	Labour Welfare 4%	0.00	0.00	1478.67	1478.67	0.00	0.00	979.62	979.62		
	Grand Total	40.50	36941.72	2612.67	39554.39	26.83	24473.89	1730.89	26204.79		

H. Seventh Year Operations		1.00 ha.		For .66 ha. (100 Plant)		Wage Rate Rs.1003.36 Per Day					
1	Watch and ward (12 months- 1 watcher per 10 ha)	36.50	36622.47	0.00	36622.47	24.18	24262.39	0.00	24262.39		
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2.00	2006.71	25.00	2031.71	1.33	1329.45	16.56	1346.01		
3	Fire tracing	2.00	2006.71	0.00	2006.71	1.33	1329.45	0.00	1329.45		
	Total	40.50	40635.90	25.00	40660.90	26.83	26921.28	16.56	26937.84		
	Contingency 3%	0.00	0.00	1219.83	1219.83	0.00	0.00	808.14	808.14		
	Labour Welfare 4%	0.00	0.00	1626.44	1626.44	0.00	0.00	1077.51	1077.51		
	Grand Total	40.50	40635.90	2871.26	43507.16	26.83	26921.28	1902.21	28823.49		

Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
I. Eighth Year Operations		1.00 ha.		1.00 ha.		For .66 ha. (100 Plant)		Wage Rate Rs.1103.69 Per Day	
1	Watch and ward (12 months- 1 watcher per 10 ha)	36.50	40284.72	0.00	40284.72	24.18	26688.63	0.00	26688.63
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and	2.00	2207.38	25.00	2232.38	1.33	1462.39	16.56	1478.95
3	Fire tracing	2.00	2207.38	0.00	2207.38	1.33	1462.39	0.00	1462.39
	Total	40.50	44699.49	25.00	4724.49	26.83	29613.41	16.56	29629.97
	Contingency 3%	0.00	0.00	1341.73	1341.73	0.00	0.00	888.90	888.90
	Labour Welfare 4%	0.00	0.00	1788.98	1788.98	0.00	0.00	1185.20	1185.20
	Grand Total	40.50	44699.49	3155.71	47855.20	26.83	29613.41	2090.66	31704.07

J.J. Ninth Year Operations		1.00 ha.				For .66 ha. (100 Plant)		Wage Rate Rs.1214.06 Per Day	
1	Watch and ward (12 months- 1 watcher per 10 ha)	36.50	44313.19	0.00	44313.19	24.18	29357.49	0.00	29357.49
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2.00	2428.12	25.00	2453.12	1.33	1608.63	16.56	1625.19
3	Fire tracing	2.00	2428.12	0.00	2428.12	1.33	1608.63	0.00	1608.63
	Total	40.50	49169.43	25.00	49194.43	26.83	32574.75	16.56	32591.31
	Contingency 3%	0.00	0.00	1475.83	1475.83	0.00	0.00	977.74	977.74
	Labour Welfare 4%	0.00	0.00	1967.78	1967.78	0.00	0.00	1303.65	1303.65
	Grand Total	40.50	49169.43	3468.61	52638.04	26.83	32574.75	2297.95	34872.70

K. Tenth Year Operations		1.00 ha.			For .66 ha. (100 Plant)			Wage Rate Rs.1335.47 Per Day	
1	Watch and ward (12 months- 1 watcher per 10 ha)	36.50		0.00	0.00	24.18	32293.24	0.00	32293.24
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2.00	2670.93	25.00	2695.93	1.33	1769.49	16.56	1786.06
3	Fire tracing	2.00	2670.93	0.00	2670.93	1.33	1769.49	0.00	1769.49
	Total	40.50	5341.86	25.00	5366.86	26.83	35832.23	16.56	35848.79
	Contingency 3%	0.00	0.00	161.01	161.01	0.00	0.00	1075.46	1075.46
	Labour Welfare 4%	0.00	0.00	214.67	214.67	0.00	0.00	1433.95	1433.95
	Grand Total	40.50	5341.86	400.68	5742.54	26.83	35832.23	2525.98	38358.20

[Signature]
Range Forest Officer
Jamner

[Signature]
Assistant Conservator of Forest
(Soil & Camp)
Jalgaon Forest Division Jalgaon

[Signature]
Deputy Conservator of Forest
Jalgaon Forest Division Jalgaon

Abstract for Model No. 5									
Sr. No	Particulars of works	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
				1.00 ha.					
									.66 Ha (100 Plant)
1	Pre Monsoon Works	167.97	86484.39	17180.01	103664.41	111.28	57295.91	43774.40	101070.31
2	First year operation	192.65	109110.80	73517.27	182628.07	127.63	72285.90	4523.03	120991.09
3	Second year operation	162.36	101151.06	47552.32	148703.38	107.56	67012.58	31503.41	98515.99
4	Third year operation	101.65	69661.28	23725.43	93386.71	67.34	46150.60	15718.10	61868.70
5	Fourth year operation	40.50	30530.35	2163.87	32694.22	26.83	20226.36	1433.57	21659.92
6	Fifth year operation	40.50	33583.39	2377.59	35960.97	26.83	22248.99	1575.15	23824.14
7	Sixth year operation	40.50	36941.72	2612.67	39554.39	26.83	24473.89	1730.89	26204.79
8	Seventh Year	40.50	40635.90	2871.26	43507.16	26.83	26921.28	1902.21	28823.49
9	Eighth year operation	40.50	44699.49	3155.71	47855.20	26.83	29613.41	2090.66	31704.07
10	Ninth year operation	40.50	49169.43	3468.61	52638.04	26.83	32574.75	2297.95	34872.70
11	Tennth year operation	40.50	5341.86	400.68	5742.54	26.83	35832.23	2525.98	38358.20
		908.13	607309.67	179025.43	786335.10	601.64	434635.90	109075.36	587893.42


Range Forest Officer
Jamner


Assistant Conservator of Forest
(Soil & Campa)
Jalgaon Forest Division Jalgaon


Deputy Conservator of Forest
Jalgaon Forest Division Jalgaon



“वृक्षवल्ली आम्हा सोयरे वनचरे”



Reclamation Plan

Rehabilitation and Up-gradation of Pahur-Jamner-Bodhwada-Muktainagar-Barhanpur NH-753L (Km 0+000 to Km 78+145) to two Lane with paved shoulder in Village's-Jamner & Sonari, Taluka-Jamner, District- Jalgaon in state of Maharashtra.

**Prepared by L.N. Malviya
Infra Project Pvt. Ltd
BHOPAL (MP)**

Reclamation Plan

1. Name of Project:

Rehabilitation and Up-gradation of Pahur-Jamner-Bodhwada-Muktainagar-Barhanpur NH-753L (Km 0+000 to Km 78+145) to two Lane with paved shoulder in Village's-Jamner & Sonari, Taluka-Jamner, District- Jalgaon in state of Maharashtra.

2. Forest Proposal Name:

Diversion of 6.295 ha. of Reserved Forest Land in favour of Maharashtra State Road Development Corporation Limited, India (MSRDC), Mumbai for Rehabilitation and Up-gradation of existing Single Lane to 2 lane configurations of NH-753L between Design Chainage Km. 0.000 to Km. 78.145 District- Jalgaon in the State of Maharashtra.

3. Necessity of Reclamation Plan:

Reclamation Plan is needed for Restoration of Forest & Ecology in the area of realignment in the forest area.

- **As per condition no. X of In Principal Approval** of Diversion proposal of additional existing road 0.735 ha. Reserved Forest Land for already approved 6.295 ha.

“The existing carriageway in forest area, in the patches corresponding to realignment shall be dismantled and land shall be handed over back to State Forest Department. A reclamation plan by planting suitable species of trees to be prepared in consultation with forest department and amount so required will be deposited with forest department by user agency for taking up reclamation of area. A copy of plan so prepared shall be submitted to Regional Forest Office, Nagpur.”

- The Office of the Deputy Conservator of Forests, Jalgaon Division had

directed the user agency to submit the reclamation plan as per the realignment and the land should be handed back to Jalgaon Forest Division at the earliest so that the plantation and reclamation activity can be completed within time. After disposal, the debris should be taken to a suitable place outside the forest area. The user agency should bear the cost of disposal and transportation of debris.

4. Revitalizing Old Roads: Reclaiming Forest Land for Biodiversity Conservation:

- i. **Vegetation Restoration:** Plant vegetation along both sides of the old road to restore the area with forest cover.
- ii. **Wildlife Protection:** Expand wildlife protection measures, such as wildlife crossings, safe zones for wildlife, and creating suitable habitats for new plantings.
- iii. **Soil Conservation:** Implement erosion control measures like grading the land, using erosion control structures, and vegetation restoration to prevent soil erosion.
- iv. **Water Management:** Establish appropriate water management systems to facilitate drainage from the road area and prevent water pollution.
- v. **Stakeholder Engagement:** Collaborate with local communities and other stakeholders, listen to their input, and carry out reclamation efforts with their support.
- vi. **Monitoring and Maintenance:** Regularly monitor reclamation efforts and perform necessary maintenance to improve vegetation and environmental conditions.

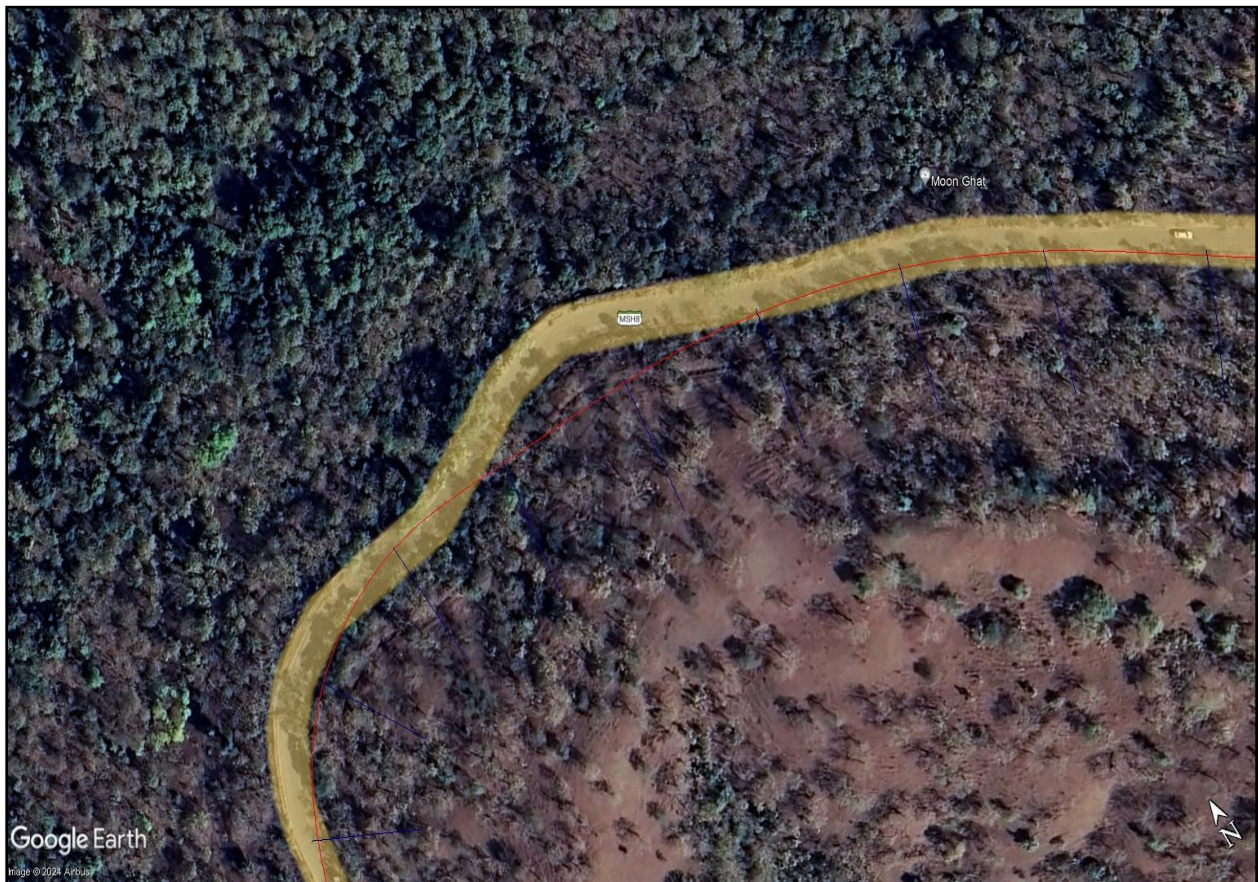
5. Details of Realignments

Sr. No.	District	Taluka	Village	Patch	Chainage		Length (m)	Area (Ha.)
					From	To		
1	Jalgaon	Jamner	Jamner	P1	21+100	21+170	70.00	0.1960
2		Jamner	Jamner	P2	21+180	21+260	80.00	0.2240
3		Jamner	Jamner	P3	21+270	21+470	200.00	0.5600
4		Jamner	Jamner	P4	21+640	21+730	90.00	0.2520
5		Jamner	Jamner	P5	21+740	21+890	150.00	0.4200
Total							590.00	1.6520

6. Photographs of the realignments:







7. Content of Reclamation Plan

- Create Suitable Rooting Medium
- To Create Non-Compacted Growth Medium
- Plantation of Trees Species Details
- Use of Plantation Technique
- Maintenance/Operation Scheme
- Create Suitable Rooting Medium& To Create Non-Compacted Growth Medium.

8. Operation Involve

- Dismantling Existing Bitumen Pavement & Clearing and grubbing road land including uprooting rank, vegetation, grass, etc.
- Providing, laying and spreading soil for planting the suitable species if necessary.

9. Trees Species Details for Plantation:

Planting plants of suitable tree species according to soil conditions and topography etc.

- Loamy soil: Arjun, Tamarind etc.
- Waterlogged Area: Jamun, kat Jamun, Mango, Mahua etc.
- Alkaline soil: Neem, Peepal, Pakhad, Shisham etc.

10. Use of Plantation Technique:

- Planation should be done with spacing arrangement of 3 Mtr* 3 Mtr in the rows & Columns respectively with specifications as under:

Plantation Model	Per ha. 1111 Model
Size of the pits	60x60x60 cm
Saplings for plantation	Tall plants of 18 months
Survival percentage of plantation	90% after replacement of casualties in first two years. 80% afterwards

11. Maintenance/ Operation Scheme:

Year	Month	Activities to be Done
1st Year	Jan-March	1.Surveying, Cleaning of Area,
		2.Digging of Pits
		3. Fencing work.
2nd Year	Apr-June	1.Purchase of Farm Yard/ Manure
		2. Filling up of Pits with Farm Yard manure and Soil
2nd Year	July-August	1.Transportation of Plants
		2.Planting of Saplings
		3.Watering
		4.Weeding and hoeing
2nd Year	Sept-Nov	1.Transportation of Plants casualties
		2.Planting of Saplings casualties
		3.Watering
		4.Weeding and hoeing
2nd Year	Dec-Feb	1.Weeding and hoeing
		2.Maintenance

Year	Month	Activities to be Done
2nd Year	March	Watering
3rd Year	Apr-June	Watering
3rd Year	July-August	1.Casualty Replacement (20% of the total plants)
		2.Weeding
		3.Maintenance by labours
3rd Year	Sept-Nov	1. Watering 2 time a Month
		2. Maintenance by labours
3rd Year	Dec-Feb	Maintenance by labours
3rd Year	March	1. Watering 4 time a Month
		2. Maintenance by labours

12. Maintenance Plan After 4 th Yr:

- i) Regular maintenance of the fencing.
- ii) Periodic pruning of trees
- iii) Removal of dried leaves during the summer season to prevent fire hazard and taking fire lines.
- iv) Watering in peak summer season.
- v) Protection of planted trees.

13. Financial Implication Involved:

Reclamation Plan of Pahur-Jamner-Bodhwada-Muktainagar-Barhanpur NH-753L (Km 0+000 to Km 78+145) Jalgaon Forest Division, Jalgaon											
Sr. No.	District	Taluka	Village	Patch	Chainage		Length (m)	Area (Ha.)	Existing		
					From	To			ROW (m)	Length	Left Over
1	Jalgaon	Jamner	Jamner	P1	21+100	21+170	70.00	0.196	11	100.00	0.110
2		Jamner	Jamner	P2	21+180	21+260	80.00	0.224	11	85.00	0.094
3		Jamner	Jamner	P3	21+270	21+470	200.00	0.560	11	220.00	0.242
4		Jamner	Jamner	P4	21+640	21+730	90.00	0.252	11	78.00	0.086
5		Jamner	Jamner	P5	21+740	21+890	150.00	0.420	11	185.00	0.204
Total							590.00	1.652		668.00	0.735

14. Technical Estimate for Forest Road Reclamation with Plantation

Spacement	3 x 3 m			
Size of pits	0.45 x 0.45 x 0.45 in			
No. of seedlings	1111 per ha			
		Wage Rate	RS. 514.88	Per Day

Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
A. Pre Monsoon Works (PPO/PYO)						1.00 Ha For 0.66 Ha (100 plant) Wage rate Rs.556.37 per day			
1	a) Survey and demarcation	1.00	514.88	91.00	605.88	0.66	341.11	60.29	401.40
	b) Preparation of treatment map (100 in x 50 in grid)	1.00	514.88	91.00	605.88	0.66	341.11	60.29	401.40
	c) Digging trial pits of size 0.30 x 0.30 x 0.60 corner of Grid.	0.40	205.95	0.00	205.95	0.27	136.44	0.00	136.44
	(d) Fixing 60cm x 0.05cm x 12cm cement pillars up to 30cm deep in corner of Grid painting with Grid No. etc completed (3 pillars Rs. 75/- for eacg pillars)	0.00	0.00	225.00	225.00	0.00	0.00	149.06	149.06
	e) Clearing of bushes and preparation of site (As per requirement)	10.00	5148.80	91.00	5239.80	6.63	3411.08	60.29	3471.37
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc	31.00	15961.28	0.00	15961.28	20.54	10574.35	0.00	10574.35

Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
3	Providing and fixing chain link fencing. 102 Rmt per ha (With one gate + two wikets gates for one side) (Rs.1494/- per Rmt of basic rate + 20% for transpotation of ave. lead plus 20% for tribal/remote area (by tender process.) (Rs.1494+149+149-1792/- per Rmt (1.60 Rmt height with G.I Chain link size 500mmx50m. 8 gauge thick and fixed 75 mm above ground level complete as per SSR item No. 1744 for 2017.18) (Tree Gaurd 650 Nos)	0.00	0.00	0.00	0.00	0.00	0.00	28586.00	28586.00
4	Alignments of pits at 3m x 3m spacement 1111 pits per ha (0.25 per 100 pits and M&S @ Rs.2.24 per 50 pits)	2.78	1431.37	49.77	1481.14	1.84	948.28	32.97	981.25
5	Digging of pits of size 0.45 x 0.45 x 0.45 m. (1111 pits per ha.) 6.60 M.D per 100 pits Note:-As per local conditions provosoin for mechanized digging can be made.	73.33	37756.15	0.00	37756.15	48.58	25013.45	0.00	25013.45
6	Construction of 5.00 Rmt wide Inspection Path 1MD per 100 Rmt.	1.00	514.88	0.00	514.88	0.66	341.11	0.00	341.11
7	Enumeration of all valuable plant species at plantation site and grid wise counting and providing color band and recording the same in register (0.75 M.D) per 100 plants.	0.75	386.16	25.00	411.16	0.50	255.83	16.56	272.39
8	Providing and fixing (4 feet x 3 feet) information board each per site.	0.00	0.00	5000.00	5000.00	0.00	0.00	5000.00	5000.00

Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
9	Part Nursery cost for raising 1333 seedlings per ha (including 20% casualty 9 replacement) in polybag of size 12.50 x 25.00 cm (Wages Rs.11.90 and M & S Rs.3.62 per plant)	46.71	24050.04	4825.46	28875.50	30.95	15933.15	3196.87	19130.02
	Total	167.97	86484.39	10398.23	96882.62	111.29	57295.91	37162.33	94458.24
	Contingency 3%	0	0	2906.48	2906.48	0	0	2833.75	2833.75
	Labour Welfare 4%	0	0	3875.3	3875.30	0	0	3778.33	3778.33
	Grand Total	167.97	86484.39	17180.01	103664.40	111.29	57295.91	43774.41	101070.32

B. First Year Operations									
1	Part nursery cost for maintenance of 1333 seedlings per ha 3.77 per seedling (Wages 2.69 M& SRs. 0.81)	14.8	8382.25	1079.73	9461.98	9.81	5553.24	715.32	6268.56
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 M.D per 100 pits)	18.44	10443.83	1944.25	12388.08	12.22	6919.03	1288.07	8207.10
3	Transportation of 1333 seedlings from Nursery to plantation site Including loading and unloading wages (0.14 M.D per 100 seedling and M.S Rs.1.82 per seedling)	1.87	1059.11	2426	3485.11	1.24	701.66	1607.23	2308.89
4	Planting of 1111 seedlings (1.0 M.D per 100 seedlings)	11.11	6292.35	0	6292.35	7.36	4168.68	0	4168.68
5	3 seedling (1 Rmt circular) and 2 soil workings (4.00 M.D per 100 seedlings) fertilizer application Rs.0.82 per seedling	44.44	25169.39	911.02	26080.41	29.44	16674.72	603.55	17278.27

Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
6	Watering 1111 seedling November and December 1 time each, January to March 2 times each per seedling 5 litre water, purchase of 1111 plastic can 6 of 5 litre/matka @Rs.25/-each and 100 litre capacity 11 drums @Rs.400/- each for supplying water and water supply at @Rs.0.05 per litre and wages for for watering 1 M.D for 150 seedling.	59.25	33557.3	54395	87952.30	39.25	22231.71	36036.69	58268.40
7	Causality replacement (20% 222 seedlings per ha) 7 (2 M.D per 100 seedling)	4.44	2514.67	0	2514.67	2.94	1665.97	0	1665.97
8	Part Nursery cost for casualty replacement in SYO (222 seedlings per ha.) (wages Rs. 11.90 and material supply Rs.3.52 total Rs.12.55 per seedling)	7.77	4400.68	803.64	5204.32	5.15	2915.45	532.41	3447.86
9	Watch and ward (10 months 1 watcher per 10 ha)	27.38	15507.16	0	15507.16	18.14	10273.49	0	10273.49
10	Soil working for naturally grower plants and singling (1.15 M.D per 100 plants)	1.15	651.32	10	661.32	0.76	431.5	6.63	438.13
11	Fire tracing	2	1132.74	0	1132.74	1.33	750.44	0	750.44
	Total	192.65	109110.8	61569.64	170680.44	127.64	72285.89	40789.9	113075.79
	Contingency 3%	0	0	5120.41	5120.41	0	0	3392.27	3392.27
	Labour Welfare 4%	0	0	6827.22	6827.22	0	0	4523.03	4523.03
	Total	192.65	109110.8	73517.27	182628.07	127.64	72285.89	48705.2	120991.09

Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
C. Second Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.623.00 per day			
1	Part nursery cost for seedlings for causality replacement (222 seedlings per ha) labour rate @ Rs. 3.77 and M.S Rs. 1.82 per seedlings	2.46	1532.59	404	1936.59	1.63	1015.34	267.65	1282.99
2	Transportation of 222 seedlings for causality replacement from Nursery to plantation site (including loading & unloading) wages 0.14 M.D per 100 seedlings & M.S Rs.1.82 per seedlings	0.31	193.13	404.04	597.17	0.21	127.95	267.68	395.63
3	Planting for casualty replacement 222 seedling (2.00 M.D per 100 seedlings)	4.44	2766.14	0	2766.14	2.94	1832.57	0	1832.57
4	2 weeding and 1 soil working, with fertilizer application 2.5 M.D per 100 seedling at M.S. Rs. 0.82 per seedlings	27.77	17300.84	911.02	18211.86	18.4	11461.81	603.55	12065.36
5	Watering 1111 seeding November and December 1 time rach January to March 2 times each per seeding Satre water, purchase of 1111 plastic can of 5 Stre/mata 25-enh and 100 litre capacity 11 слить 17 400 ch for supplying water and water supply at 005 per bire and wages for for watering 1 M.D for 150 seeding	88.88	55372.67	36105	91477.67	58.88	36684.39	23919.56	60603.95
6	Watch and ward (12 months 1 watcher per 10 ha)	36.5	22739.68	0	22739.68	24.18	15065.03	0	15065.03
7	Fire tracing	2	1246.01	0	1246.01	1.33	825.48	0	825.48
	Total	162.36	101151.06	37824.06	138975.12	107.57	67012.57	25058.44	92071.01

Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
	Contingency 3%	0	0	4169.25	4169.25	0	0	2762.13	2762.13
	Labour Welfare 4%	0	0	5559	5559	0	0	3682.84	3682.84
	Grand Total	162.36	101151.06	47552.31	148703.37	107.57	67012.57	31503.41	98515.98

D. Third Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.685.31 per day			
1	1 weeding and 1 soil working (1.50 M.D per 100 1 seedlings) applying fertilizer @ Rs. 0.82 per plant	16.67	11424.04	911.02	12335.06	11.04	7568.43	603.55	8171.98
2	Watring 556 seedling in November, December, January and June 1 time each and in February to May 2 time each total 12 times per seedling 5 litre replacing 10% plastic can/matka water @Rs.0.50/- per litre and watering 150 seedling per M.D	44.48	30482.38	16680	47162.38	29.47	20194.58	11050.5	31245.08
3	Watch and ward (12 months-1 watcher per 10 ha)	36.5	25013.64	0	25013.64	24.18	16571.54	0	16571.54
4	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2	1370.61	25	1395.61	1.33	908.03	16.56	924.59
5	Fire tracing	2	1370.61	0	1370.61	1.33	908.03	0	908.03
	Total	101.65	69661.28	17616.02	87277.3	67.35	46150.61	11670.61	57821.22
	Contingency 3%	0	0	2618.32	2618.32	0	0	1734.64	1734.64
	Labour Welfare 4%	0	0	3491.09	3491.09	0	0	2312.85	2312.85
	Total	101.65	69661.28	23725.43	93386.71	67.35	46150.61	15718.1	61868.71

E. Forth Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.753.84 per day			
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Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
1	Watch and ward (12 months-1 watcher per 10 ha)	36.5	27515.01	0	27515.01	24.18	18228.69	0	18228.69
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2	1507.67	25	1532.67	1.33	998.83	16.56	1015.39
3	Fire tracing	2	1507.67	0	1507.67	1.33	998.83	0	998.83
	Total	40.5	30530.35	25	30555.35	26.84	20226.35	16.56	20242.91
	Contingency 3%	0	0	916.66	916.66	0	0	607.29	607.29
	Labour Welfare 4%	0	0	1222.21	1222.21	0	0	809.72	809.72
	Grand Total	40.5	30530.35	2163.87	32694.22	26.84	20226.35	1433.57	21659.92

F. Fifth Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.829.22per day			
1	Watch and ward (12 months-1 watcher per 10 ha)	36.5	30266.51	0	30266.51	24.18	20051.56	0	20051.56
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2	1658.44	25	1683.44	1.33	1098.72	16.56	1115.28
3	Fire tracing	2	1658.44	0	1658.44	1.33	1098.72	0	1098.72
	Total	40.5	33583.39	25	33608.39	26.84	22249.00	16.56	22265.56
	Contingency 3%	0	0	1008.25	1008.25	0	0	667.97	667.97
	Labour Welfare 4%	0	0	1344.34	1344.34	0	0	890.62	890.62
	Grand Total	40.5	33583.39	2377.59	35960.98	26.84	22249	1575.15	23824.15

G. Sixth Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.912.14per day			
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Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
1	Watch and ward (12 months-1 watcher per 10 ha)	36.5	33293.16	0	33293.16	24.18	22056.72	0	22056.72
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2	1824.28	25	1849.28	1.33	1208.59	16.56	1225.15
3	Fire tracing	2	1824.28	0	1824.28	1.33	1208.59	0	1208.59
	Total	40.5	36941.72	25	36966.72	26.84	24473.90	16.56	24490.46
	Contingency 3%	0	0	1109	1109	0	0	734.71	734.71
	Labour Welfare 4%	0	0	1478.67	1478.67	0	0	979.62	979.62
	Grand Total	40.5	36941.72	2612.67	39554.39	26.84	24473.9	1730.89	26204.79

H. Seventh Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.1003.36per day			
1	Watch and ward (12 months-1 watcher per 10 ha)	36.5	36622.47	0	36622.47	24.18	24262.39	0	24262.39
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2	2006.71	25	2031.71	1.33	1329.45	16.56	1346.01
3	Fire tracing	2	2006.71	0	2006.70	1.33	1329.45	0	1329.45
	Total	40.5	40635.89	25	40660.88	26.84	26921.29	16.56	26937.85
	Contingency 3%	0	0	1219.83	1219.83	0	0	808.14	808.14
	Labour Welfare 4%	0	0	1626.44	1626.44	0	0	1077.51	1077.51
	Grand Total	40.5	40635.89	2871.27	43507.15	26.84	26921.29	1902.21	28823.5

I. Eighth Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.1103.69per day			
1	Watch and ward (12 months-1 watcher per 10 ha)	36.5	40284.72	0	40284.72	24.18	26688.63	0	26688.63

Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2	2207.38	25	2232.38	1.33	1462.39	16.56	1478.95
3	Fire tracing	2	2207.38	0	2207.38	1.33	1462.39	0	1462.39
	Total	40.5	44699.48	25	44724.48	26.84	29613.41	16.56	29629.97
	Contingency 3%	0	0	1341.73	1341.73	0	0	888.9	888.9
	Labour Welfare 4%	0	0	1788.98	1788.98	0	0	1185.2	1185.2
	Grand Total	40.5	44699.48	3155.71	47855.19	26.84	29613.41	2090.66	31704.07

J. Nineth Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.1214.06per day			
1	Watch and ward (12 months-1 watcher per 10 ha)	36.5	44313.19	0	44313.19	24.18	29357.49	0	29357.49
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2	2428.12	25	2453.12	1.33	1608.63	16.56	1625.19
3	Fire tracing	2	2428.12	0	2428.12	1.33	1608.63	0	1608.63
	Total	40.5	49169.43	25	49194.43	26.84	32574.75	16.56	32591.31
	Contingency 3%	0	0	1475.83	1475.83	0	0	977.74	977.74
	Labour Welfare 4%	0	0	1967.78	1967.78	0	0	1303.65	1303.65
	Grand Total	40.5	49169.43	3468.61	52638.04	26.84	32574.75	2297.95	34872.7

K.Tenth Year Operations		1.00 Ha				For 0.66 Ha (100 plant) Wage rate Rs.1335.47per day			
1	Watch and ward (12 months-1 watcher per 10 ha)	36.5		0	0	24.18	32293.24	0	32293.24
2	Counting of survival percentage grid wise and species wise and to note the same on register in May and October	2	2670.93	25	2695.93	1.33	1769.49	16.56	1786.05
3	Fire tracing	2	2670.93	0	2670.93	1.33	1769.49	0	1769.49

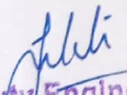
Sr. No.	Particular of works	Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
	Total	40.5	5341.86	25	5366.86	26.84	35832.22	16.56	35848.78
	Contingency 3%	0	0	161.01	161.01	0	0	1075.46	1075.46
	Labour Welfare 4%	0	0	214.67	214.67	0	0	1433.95	1433.95
	Grand Total	40.5	5341.86	400.68	5742.54	26.84	35832.22	2525.97	38358.19

Abstract for Model No.5

		1.00 Ha				For 0.66 Ha (100 plant)			
1	Pre Monsoon Works	167.97	86484.39	17180.01	103664.40	111.29	57295.91	43774.41	101070.32
2	First year operation	192.65	109110.8	73517.27	182628.07	127.64	72285.89	48705.2	120991.09
3	Second year operation	162.36	101151.06	47552.31	148703.37	107.57	67012.57	31503.41	98515.98
4	Third year operation	101.65	69661.28	23725.43	93386.71	67.35	46150.61	15718.1	61868.71
5	Forth year opration	40.5	30530.35	2163.87	32694.22	26.84	20226.35	1433.57	21659.92
6	Fifth year operation	40.5	33583.39	2377.59	35960.98	26.84	22249	1575.15	23824.15
7	Sixth year operation	40.5	36941.72	2612.67	39554.39	26.84	24473.9	1730.89	26204.79
8	Seventh year operation	40.5	40635.89	2871.27	43507.15	26.84	26921.29	1902.21	28823.5
9	Eighthth year operation	40.5	44699.48	3155.71	47855.19	26.84	29613.41	2090.66	31704.07
10	Nineth year operation	40.5	49169.43	3468.61	52638.04	26.84	32574.75	2297.95	34872.7
11	Tenth year operation	40.5	5341.86	400.68	5742.54	26.84	35832.22	2525.97	38358.19
	Total	908.13	607309.65	179025.42	786335.06	601.73	434635.90	153257.52	587893.42

15. Conclusion:

In conclusion, a well-designed forest road land reclamation plan is essential for restoring disturbed areas along forest roads to their natural state or to a condition suitable for sustainable land use. By incorporating key elements such as vegetation restoration, erosion control, water management, wildlife habitat enhancement, community engagement, and monitoring, it is possible to mitigate environmental impacts, restore biodiversity, and promote habitat connectivity. Furthermore, compliance with regulations and ongoing maintenance are critical for the long-term success of the reclamation efforts. Through careful planning and implementation, forest road land reclamation can contribute to the conservation of natural resources, preservation of ecosystems, and enhancement of overall environmental quality.


Deputy Engineer
M.S.R.D.C. (Ltd.) Mumbai
Camp Office, Nashik,


Executive Engineer
M.S.R.D.C. (LTD.), Mumbai
Camp Office, Nashik