

Compensatory Afforestation Scheme for double degraded area Under FCA Proposal

Details scheme of Compensatory Afforestation to be carried out in lieu of 27.485 ha of forest land for Strengthening widening of
Upai-Bedchit-Bhhari-Valod-Bajipura-Madhi road for Km.102/200 to Km.120/200 and Km.123/to Km.128/0 in District-Tapi in
Gujrat State

Spacements = 3mx3m

1st year replacement 10 % = 111 seedling / ha

2nd year replacement 20 % = 111+111 seedling / ha

3rd year replacement 10 % = 111 seedling / ha

Total Seedlings = 1333 seedling / ha

Polypot size : 15 cm X 25 cm X 200

Wage rate: 324.50/Day

	Item of Work	Qty.	Labour	Material	Totals
0 year Nursery					
(a)	Cost of soil, manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade. etc. (including 10 % for casualty replacement)	1222	0.00	1815	1815
(b)	labour : Preparation of beds, filling and arranging of bags, sowing of seeds, watering, shifting, weeding etc.	1222	4644	230	4874
	Seedling cost for casualty replacement in one year old (20 %)	222	1469	419	1888
	Seedling cost for casualty replacement in two year old (10%)	111	735	209	944
	Total		6847	2673	9520
2. Area Development (Land Preparation)					
(a)	Survey, cutback and promotion of root suckers		3489	0	3489
	Alignment and digging of pits 0.45 X 0.45 X 0.45	1111@8.84	9728	0	9728
	Total		13216	0	13216
(a)	Natural Fertilizer (Neem cake/ Castor cake)	1111@10	0	11110	11110
	Total		0	11110	11110
3. SMC Works					
(a)	Check wall/ retaining wall /checkdam (all pucca only)	L.S	12395	23535	35930
(b)	Contour trench 2 M x 45 Cm x 30 Cm as per Rs.51.75/rmt (300 trench)	600rmt	9434	0	9434
(c)	Van Talavadi/Hill Top Tank/Percolation tank/Nala bund, Gully Plug etc.		10000	0	10000
	Total		31828	23535	55363
4. Protection					
(a)	Barbed wire fencing (205 rmt/ Ha. , Rs. 400/- per Rmt)	L.S	7000	75000	82000
(b)	Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1152	473	1625
	Total		8152	75473	83625
	Total for 0 year		60044	112791	172835
1st Year					
(a)	Maintenance of nursery (April to June)	1222	3562	340	3902
(b)	Transport of seedling for plantation	1111	1777	200	1977
(c)	Planting with khamna of Min. 1 m dia	1111	6005	0	6005
(d)	Transport & planting of seedling for casualty replacement	111	208	44	252
(e)	3 weeding cum soilworking	1111	24455	0	24455
(f)	Support watering 5 times @5.30		14964	20539	35503
(g)	Protection / tending operation		4822	0	4822
(h)	Tending to natural vegetation		1211	0	1211
(i)	Contingency		0	1158	1158
	Total for 1st year		57003	22281	79284

2nd Year					
(a)	2 weeding & soil working		13138	0	13138
(b)	20 % Casually replacement, transport and Planting	111+111	218	1041	1259
(c)	Natural fertilizer (neem cake / caster cake) etc	Rs. 10/plants	0	12048	12048
(d)	Support watering 3 times @ 5.30		9724	13351	23075
(e)	Protection / tending operation		5247	0	5247
	Total for 2nd Year		28327	26440	54767
3rd Year					
(a)	2 weeding & soil working		13138	0	13138
(b)	10 % Casually Replcement, transport and	111	232	555	787
(b)	Planting, Natural fertilizer, neem cake etc.	Rs. 10/plants	0	13332	13332
(c)	Support watering 1 times @6		3784	4120	7904
(d)	Protection & maintenance of fencing / tending Operation	L.S	9842	0	9841.633376
	Total for 3rd year		26996	18007	45003
4th Year					
(a)	1 weeding & soilworking	L.S	5507	0	5507
(b)	Protection & Maintenance of fencing/ Tending operation		9842	0	9842
	Total for 4th Year		15349	0	15349
5th Year					
	Protection & maintenance of fencing/ tending operation	L.S	8139	0	8139
	Total for 5th Year		8139	0	8139
6th Year					
	Protection & maintenance of fencing/ tending operation	L.S	8647	0	8647
	Total for 6th Year		8647	0	8647
7 th Year					
	Protection & maintenance of fencing/ tending operation	L.S	9156	0	9156
	Total for 7th Year		9156	0	9156
8 th Year					
	Protection & maintenance of fencing/ tending operation	L.S	9663	0	9663
	Total for 8th Year		9663	0	9663
9 th Year					
	Protection & maintenance of fencing/ tending operation	L.S	10172	0	10172
	Total for 9th Year		10172	0	10172
10 th Year					
	Protection & maintenance of fencing/ tending operation	L.S	10681	0	10681
	Total for 10th Year		10681	0	10681
	Grand Total		244176	179519	423695
	The Cost of Supervision/Subsequential Silvicultural operations	20%	48835	35904	84739
			293011	215423	508434

Note :

- (1) Seed sowing along fencing toward for inner side, and also in the plot
- (2) Planting of cutting of ipomea/Glaricidia along the fencing towards outer side

Compensatory afforestation will be done in 1.00 Ha Area

Total Cost Rs. : 5,08,434/-


Deputy Conservator of Forests,
Mahisagar

Annexure-19

Compensary Afforestation Scheme for double degraded area

Details scheme of Compensatory Afforestation to be carried out in lieu of 27.485 ha of forest land for Strengthening widening of Unai-Bedchit-Bhhari-Valod-Bajipura-Madhi road for Km.102/200 to Km.120/200 and Km.123/to Km.128/0 in District-Tapi in Gujarat State

1. Details of degraded land.

Village	Lambho
Taluka	Khanpur
Range	Khanpur
District	Mahisagar
Division	Lunawada
Block/ Patal, Compartment No.	162,159 Pt.
Area to be afforested	55.00 Ha.
Working circle	Afforestation Working Circle

2. Description of Area.

Soil type	Soft rock & Black soil
Topography	Plain
Slope	Medium & Gentle
Whether the area is bearing any root stock of Vegetation	Yes

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Degraded Area.

Details of Year Wise Break-Up requirement of fund is as under

Daily / Wages-Rs.324.50

Year	Area (ha)	Rate /ha	Per 55 ha.
0 Year 70 %	1	172834	9505870
1 st Year	1	79284	4360620
2 nd Year	1	54767	3012185
3 rd Year	1	45003	2475165
4 th Year	1	15349	844195
5 th Year	1	8139	447645
6 th Year	1	8647	475585
7 th Year	1	9156	503580
8 th Year	1	9663	531465
9 th Year	1	10172	559460
10 th Year	1	10681	587455
Total	1	423695	23303225
Supervision Charge 20 %		84739	4660645
Total	1	508433	27963870

Say

27963870/-

Compensatory Afforestation will be done in 55.00 ha. Area. The total afforestation cost will be Rs. 27963870/-

4. Schedule of Plantation Programme:-

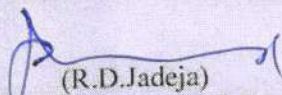
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|------|--|
| (i) | The Compensatory Afforestation on degraded area would be started by Dy.Conservator of Forest Mahisagar-Lunawada Division as early as Possible after the proposal is formally approved. |
| (ii) | Compensatory Afforestation will be done in 55.00 ha. area. The total afforestation cost will be about Rs. 27963870/- Executive Engineer, R&B Division, Mahisagar has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges). |

5. Technical Details:-

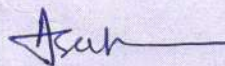
Technical details of Compensatory Afforestation are as Follows:

Sr. No.	Details	Specifications
a	General Details	The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas. The prevailing wage rate is 324.50 per day.
b	Spacement	3 X 3 mtr., 1111 plants per ha.
c	Species to be planted (No. of plants per ha.)	Khair 180 65 cm
		Kanaji 70 75 cm
		Bamboo 40 65 cm
		Bahedo 20 90 cm
		Sadad 20 90 cm
		Mahuda 21 75 cm
		Bordi 200 65 cm
		Amla 260 65 cm
		Etc. 300 75 cm
		Total 1111 55cm
d	Nursery Technique	Nine months old polypot raised plants will be planted at the onset of monsoon.
e	Site Preparation	The malformed rootstock present in the area will be cutback & the site will be cleaned in the month of Nov-Dec. Alignment & pit digging 45 x 45 x 45 cms. will be carried out in the month of Dec-Jan.
f	Plantation Method	Polypot raised plants will be planted during monsoon.
g	Soil & Moisture Conservation Works	(i) Pucca structure like Check dam, check wall, retaining wall (ii) Contour trenches 2.00 x 0.45 x 0.30, 300 Nos/ha. will be dug along the contour line. the dug out soil will be heaped on the down ward side. Gully plugging & Nala Banding using The loose stone available in the area will be carried out as per requirement. Seeds of Jatropha, Agave plants ...etc. will be

		planted during monsoon in the upper side of nala as per suitability.
h	Protection Trench	Barbed wire fencing, Seed sowing And planting of cuttings of Ipomea/ Glarcidia along the fence
i	Silvicultural Operations	1 st year three weeding soil working, Support watering will be provided if needed. 2 nd year two weeding soil working. 3 rd year one weeding soil working.
j	Maintenance	It is proposed to maintain the Plantation up to ten years.
k	Subsequent silvicultural Operation	Cleaning, cutbacks, thinning etc. (as per species specific requirement) will be carried out at the age as per prescribed in the working plan.
l	Proposed monitoring mechanism	(i) A plantation register is to be maintained. (ii) Monitoring is to be done as per the following norms. Forester - 100% RFO - 100% ACF - 20% DCF - 10% (iii) The results of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of September and March each year. (iv) The collar girth is also to be reordered at the end of each year. (v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo. (vi) Bamboo would be of the harvestable size by the end of 4 th year. (vii) Third party monitoring mechanism is also in the State and if the plantation is in the sample selected, it will also be monitored by the third party selected for this purpose.
m	Regeneration cleaning	Cut-back and promotion of root suckers.
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.


 (R.D. Jadeja)
 Deputy Conservator of Forest
 Mahisagar Division
 Lunawada

The Compensatory Afforestation scheme at the cost of Rs. 2,79,63,870/- is technically and administrative approved by the undersigned.


 Conservator of Forest
 Vadodara

ANNEXURE-21

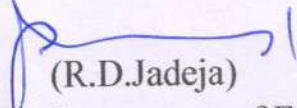
Suitability Certificate from Divisional Forest Officer that the land Identified for Compensatory Afforestation is suitable for raising plantation.

CERTIFICATE

This is to Certify that have visited 60.00 ha area of Reserved forest (for taking up 55.00 ha of compensatory afforestation survey No.162/159Pt of village. Lambho, Taluka. Khanpur, District. Mahisagar) on Date: 01.09/2020 which has been identified for compensatory Afforestation as shown in the location map attached with the compensatory afforestation scheme against the proposal for Diversion of the 27.485 ha of forest land and the side area is suitable for compensatory Afforestation. It is also certified that the compensatory Afforestation scheme suggested in the area is in consonance with the working plan prescriptions, specified for the said area.

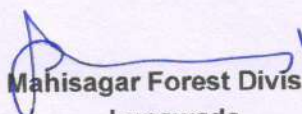
Place:- Lunawada

Date:- 01/10/2020


(R.D.Jadeja)
Deputy Conservator of Forests
Mahisagar Forest Division
Lunawada

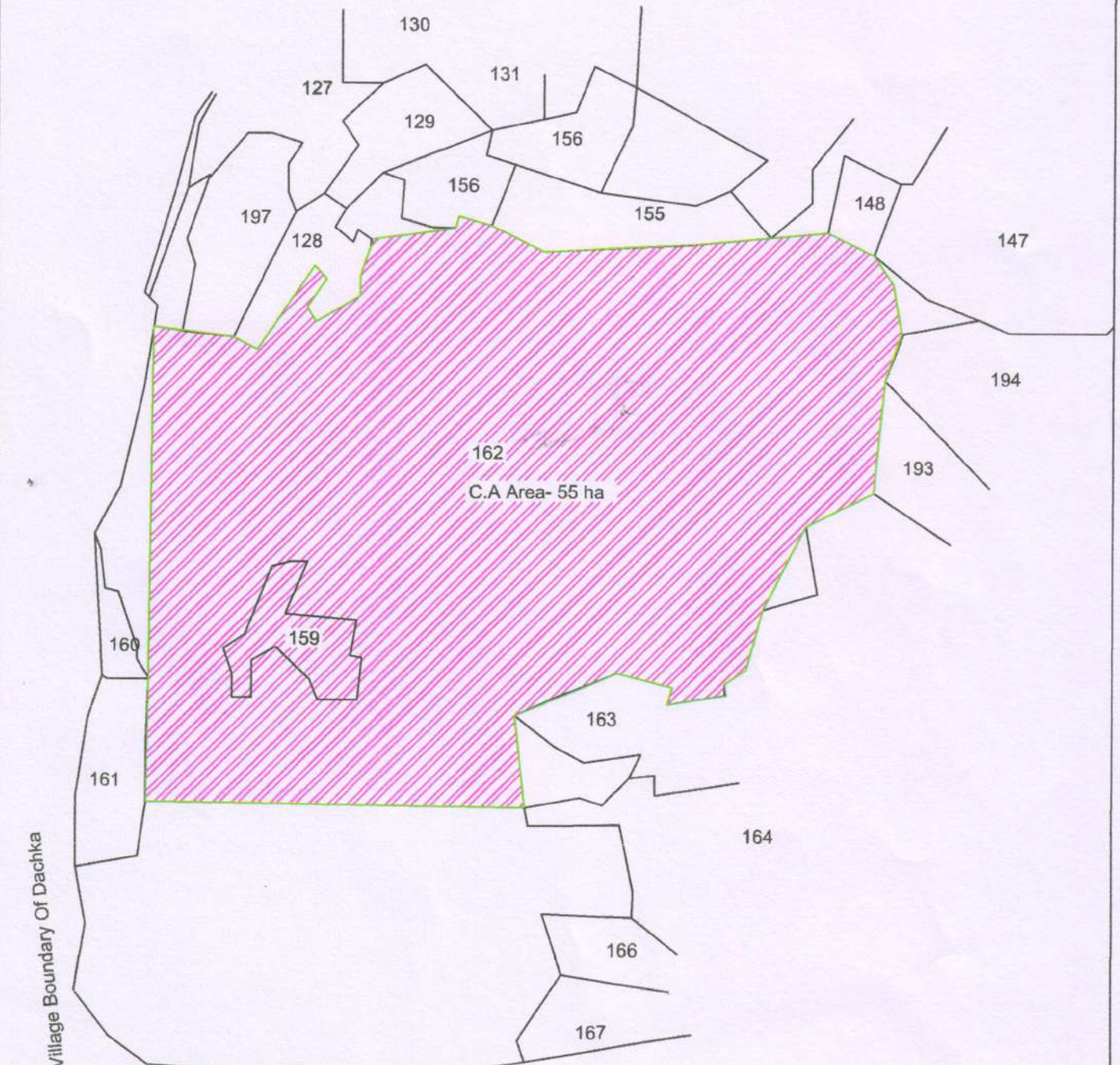
Information of Compensatory Afforestation area GPS Point
Mahisagar Forest Division

Sr. No	Name Of Village	Compensatory Afforestation area in ha.	Compensatory Afforestation area S.No.	GPS Point
1	At.:Lambho Ta.: Khanpur Dist.: Mahisagar	27.485 Ha (55.00 Ha)	162/159 pt	(1) 23° 26' 12.89"N 73° 37' 13.43"E (2) 23° 26' 12.40"N 73° 37' 15.08"E (3) 23° 26' 13.55"N 73° 37' 16.12"E (4) 23° 26' 16.29"N 73° 37' 17.67"E (5) 23° 26' 15.94"N 73° 37' 18.37"E (6) 23° 26' 13.81"N 73° 37' 17.49"E (7) 23° 26' 14.79"N 73° 37' 19.97"E (8) 23° 26' 18.67"N 73° 37' 21.21"E (9) 23° 26' 18.34"N 73° 37' 24.93"E (10) 23° 26' 18.93"N 73° 37' 25.43"E (11) 23° 26' 17.35"N 73° 37' 28.38"E (12) 23° 26' 17.30"N 73° 37' 41.67"E (13) 23° 26' 14.83"N 73° 37' 46.40"E (14) 23° 26' 12.52"N 73° 37' 47.12"E (15) 23° 26' 9.61"N 73° 37' 46.84"E (16) 23° 26' 3.26"N 73° 37' 42.72"E (17) 23° 26' 1.83"N 73° 37' 40.66"E (18) 23° 25' 58.53"N 73° 37' 39.11"E (19) 23° 25' 57.34"N 73° 37' 35.41"E (20) 23° 25' 57.28"N 73° 37' 29.49"E (21) 23° 25' 54.90"N 73° 37' 28.88"E (22) 23° 25' 53.81"N 73° 37' 14.16"E




Mahisagar Forest Division
Lunawada

DETAILS SCHEME OF COMPENSATORY AFFORESTATION TO BE CARRIED OUT IN THE VILLAGE OF LAMBHO FOR STRENGTHING AND WIDENING OF UNAI-BEDCHIT-BHARI-VALODHAI-JHURWA-MATHIHI ROAD FOR KM.102/200 TO KM.120/200 AND KM.123/TO KM.128/0 IN DISTRICT-TAPI IN GUJARAT STATE

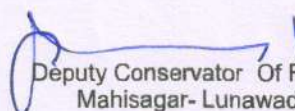
VILLAGE : LAMBHO , COMPARTMENT NO /SR.NO : 159 & 162 ,COMPENSATORY AFFORESTATION ,AREA : 55.00 HA
 RANGE :KHANPUR TALUKA :KHANPUR, DIVISION :MAHISAGAR, DIST :MAHISAGAR,
 WORKING CIRCLE : AFFORESTATION, COUPE NO- , F.S No-



REFERENCE

-  RESERVED FOREST BOUNDARY
-  AREA TO BE TAKEN FOR COMP. AFFO.
AREA : 55.00 HA

Trd. By.


 Deputy Conservator Of Forest
 Mahisagar- Lunawada



SCALE : 1 CM = 79.20 MT.

REFER TO THIS MAP AS 1:50,000
SHEET NO 2/11 FIRST EDITION

FIRST EDITION

GUJARĀT, RĀJASTHĀN

No. 46



The first of these is the *Journal of the Proceedings of the General Assembly of the Church of Scotland*, which is published annually. It contains a full and complete account of all the business of the Assembly, and is a valuable source of information for all those who are interested in the affairs of the Church.

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$\sin \frac{2\pi}{3}$	$\sin \frac{5\pi}{6}$	$\sin \pi$
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$\sin \frac{5\pi}{3}$	$\sin \frac{2\pi}{3}$	$\sin \frac{\pi}{6}$

1:50,000

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Proposed CA Land Village - Los Angeles, CA Area - 45 mi

Unni-Bedchit

Discontinued USA, Israel
 VALLA: Lachit, Tulkha, Changan, 5-100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000, 10100, 10200, 10300, 10400, 10500, 10600, 10700, 10800, 10900, 11000, 11100, 11200, 11300, 11400, 11500, 11600, 11700, 11800, 11900, 12000, 12100, 12200, 12300, 12400, 12500, 12600, 12700, 12800, 12900, 13000, 13100, 13200, 13300, 13400, 13500, 13600, 13700, 13800, 13900, 14000, 14100, 14200, 14300, 14400, 14500, 14600, 14700, 14800, 14900, 15000, 15100, 15200, 15300, 15400, 15500, 15600, 15700, 15800, 15900, 16000, 16100, 16200, 16300, 16400, 16500, 16600, 16700, 16800, 16900, 17000, 17100, 17200, 17300, 17400, 17500, 17600, 17700, 17800, 17900, 18000, 18100, 18200, 18300, 18400, 18500, 18600, 18700, 18800, 18900, 19000, 19100, 19200, 19300, 19400, 19500, 19600, 19700, 19800, 19900, 20000, 20100, 20200, 20300, 20400, 20500, 20600, 20700, 20800, 20900, 21000, 21100, 21200, 21300, 21400, 21500, 21600, 21700, 21800, 21900, 22000, 22100, 22200, 22300, 22400, 22500, 22600, 22700, 22800, 22900, 23000, 23100, 23200, 23300, 23400, 23500, 23600, 23700, 23800, 23900, 24000, 24100, 24200, 24300, 24400, 24500, 24600, 24700, 24800, 24900, 25000, 25100, 25200, 25300, 25400, 25500, 25600, 25700, 25800, 25900, 26000, 26100, 26200, 26300, 26400, 26500, 26600, 26700, 26800, 26900, 27000, 27100, 27200, 27300, 27400, 27500, 27600, 27700, 27800, 27900, 28000, 28100, 28200, 28300, 28400, 28500, 28600, 28700, 28800, 28900, 29000, 29100, 29200, 29300, 29400, 29500, 29600, 29700, 29800, 29900, 30000, 30100, 30200, 30300, 30400, 30500, 30600, 30700, 30800, 30900, 31000, 31100, 31200, 31300, 31400, 31500, 31600, 31700, 31800, 31900, 32000, 32100, 32200, 32300, 32400, 32500, 32600, 32700, 32800, 32900, 33000, 33100, 33200, 33300, 33400, 33500, 33600, 33700, 33800, 33900, 34000, 34100, 34200, 34300, 34400, 34500, 34600, 34700, 34800, 34900, 35000, 35100, 35200, 35300, 35400, 35500, 35600, 35700, 35800, 35900, 36000, 36100, 36200, 36300, 36400, 36500, 36600, 36700, 36800, 36900, 37000, 37100, 37200, 37300, 37400, 37500, 37600, 37700, 37800, 37900, 38000, 38100, 38200, 38300, 38400, 38500, 38600, 38700, 38800, 38900, 39000, 39100, 39200, 39300, 39400, 39500, 39600, 39700, 39800, 39900, 40000, 40100, 40200, 40300, 40400, 40500, 40600, 40700, 40800, 40900, 41000, 41100, 41200, 41300, 41400, 41500, 41600, 41700, 41800, 41900, 42000, 42100, 42200, 42300, 42400, 42500, 42600, 42700, 42800, 42900, 43000, 43100, 43200, 43300, 43400, 43500, 43600, 43700, 43800, 43900, 44000, 44100, 44200, 44300, 44400, 44500, 44600, 44700, 44800, 44900, 45000, 45100, 45200, 45300, 45400, 45500, 45600, 45700, 45800, 45900, 46000, 46100, 46200, 46300, 46400, 46500, 46600, 46700, 46800, 46900, 47000, 47100, 47200, 47300, 47400, 47500, 47600, 47700, 47800, 47900, 48000, 48100, 48200, 48300, 48400, 48500, 48600, 48700, 48800, 48900, 49000, 49100, 49200, 49300, 49400, 49500, 49600, 49700, 49800, 49900, 50000, 50100, 50200, 50300, 50400, 50500, 50600, 50700, 50800, 50900, 51000, 51100, 51200, 51300, 51400, 51500, 51600, 51700, 51800, 51900, 52000, 52100, 52200, 52300, 52400, 52500, 52600, 52700, 52800, 52900, 53000, 53100, 53200, 53300, 53400, 53500, 53600, 53700, 53800, 53900, 54000, 54100, 54200, 54300, 54400, 54500, 54600, 54700, 54800, 54900, 55000, 55100, 55200, 55300, 55400, 55500, 55600, 55700, 55800, 55900, 56000, 56100, 56200, 56300, 56400, 56500, 56600, 56700, 56800, 56900, 57000, 57100, 57200, 57300, 57400, 57500, 57600, 57700, 57800, 57900, 58000, 58100, 58200, 58300, 58400, 58500, 58600, 58700, 58800, 58900, 59000, 59100, 59200, 59300, 59400, 59500, 59600, 597

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Public First Response

REFER TO THIS MAP AS 1:50,000
SHEET 46 E/1 FIRST EDITION

Deputy Conservator of Forests
Mahisagar Division
Lunawada

Geo Reference Map

Details scheme of Compensatory Afforestation to be carried out in lieu of 27.485 ha of forest land for Strengthening and widening of Una-Bedchi-Bhilar-Vaid-Bajipura-Madri road for Km 102/200 to Km 120/200 and Km 123/0 to Km 129/0 in District-Tapi in Gujarat State C.A.Area - 56 Ha, Village - Iarriroha, Ta. Khanpur, Dist. Mahisagar W.C. Afforestation

Legend

Proposed C.A. Land Location



Deputy Conservator of Forests
Mahisagar Division
Lunawada