

Compensatory Afforestation Scheme for double degraded forest area

Diversion of 0.27369 Ha Protected Forest land for laying of Optical Fiber Cable along From 'T' junction gumli village to bhuvera village on MDR road OFC line passing from Reserve Forest village of Limdi Medhari, kanjeta, bhindol, pipargota, morai & bhuvera.

Details scheme of Compensatory Afforestation to be carried out in lieu of 0.27369 Ha Protected Forest land for laying of Optical Fiber Cable along From 'T' junction gumli village to bhuvera village on MDR road OFC line passing from Reserve Forest village of Limdi Medhari, kanjeta, bhindol, pipargota, morai & bhuvera.

Details of degraded land.

Village	Dolariya
Taluka	Chhotaudepur
Range	Dolariya
District	Chhotaudepur
Division	Chhotaudepur
Reserved Forest Survey No..	301
Area to be afforested	1.00 ha.
Working circle	

01 Description of Area.

Soil type	Boldery, Rocky
Topography	Hilly
Slope	High
Whether the area is bearing any root stock of Vegetation	Yes

02 Name of Plantation Programme:-

Compensatory Afforestation Scheme for Degraded Area.

Details of Year wise Break-up requirement of fund is as Under

Year	Area (Ha.)	Rate 324.50/-	Total Amount
0 Year	1.00	172834	172834
First Year old	1.00	79284	79284
Second Year old	1.00	54767	54767
Third Year old	1.00	45003	45003
Fourth Year old	1.00	15349	15349
Fifth Year old	1.00	8139	8139
Sixth Year old	1.00	8647	8647
Seventh Year old	1.00	9156	9156
Eighth Year old	1.00	9663	9663
Ninth Year old	1.00	10172	10172
Tenth Year old	1.00	10681	10681
Total :-		423694	423694
Supervision Charge 20 %		84739	84739
Grand Total :-		508433	508433

Compensatory Afforestation will be done in 1.00 Ha. Area. The total afforestation cost will be Rs. 5,08,433 /-

03 Schedule of Plantation Programme:-

04	The Compensatory Afforestation on degraded area would be started by Dy.Conservator of Forest Chhotaudepur Division as early as possible after the proposal is formally approved.
05	Compensatory Afforestation will be done in 1.00 ha.Area. The Total Afforestation cost will be about Rs. 5,08,433 /- Project Manager,Gujarat Fiber Grid Network Ltd. has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

05 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.)	<table border="1"> <tr> <td>Kadaya</td> <td>333</td> <td rowspan="8">Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.</td> </tr> <tr> <td>Bael</td> <td>388</td> </tr> <tr> <td>Bamboo</td> <td>166</td> </tr> <tr> <td>Salai</td> <td>55</td> </tr> <tr> <td>Bahida</td> <td>55</td> </tr> <tr> <td>Mahuda</td> <td>6</td> </tr> <tr> <td>Aritha,Charoli</td> <td>55</td> </tr> <tr> <td>Desi Mangoi etc...</td> <td>53</td> </tr> <tr> <td>Total</td> <td>1111</td> <td></td> </tr> </table>	Kadaya	333	Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.	Bael	388	Bamboo	166	Salai	55	Bahida	55	Mahuda	6	Aritha,Charoli	55	Desi Mangoi etc...	53	Total	1111	
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Total	1111																					
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. (iii) Van Talavadi/ Percolation tank
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.


**Deputy Conservator of Forest
Chhotaudepur**

The Compensatory Afforestation scheme at the cost of Rs. 5,08,433 /- is technically and administrative approved by the undersigned.


**Deputy Conservator of Forest
Chhotaudepur**

Model No - 3

Annexure-4 (1)

Compensatory Afforestation Scheme for double degradation areas & Non Forest area acquired Under FCA
Daily wages Rs.324.50

Spacings = 3 m x 3 m				
1111 seedling / Ha				
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				
Item of work	Qty.	Labour	Material	Total
1	2	3	4	5
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	1815	1815
(b) labour : Preparation of beds, filling and arranging of bags, sowing of seeds, watering, shifting, weeding etc.	1222	4644	230	4874
(c) Seedling cost for casualty replacement in one year old (20%)	222	1467	419	1886
(d) Seedling cost for casualty replacement in two year old (10%)	111	735	209	944
Total		6846	2673	9519
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3489	0	3489
(b) Alignment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 8.84	9727	0	9727
Total		13216	0	13216
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 10.00	0	11110	11110
Total		0	11110	11110
3. SMC Works				
(a) Check wall/ retaining wall /checkdam (all pucca only)	L.S.	12394	23535	35930
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9434	0	9434
(c) Van talavadi/Hill Top Tank/Percolation tank/Nala bund, gully plug etc.		10000		10000
Total		31828	23535	55363
4. Protection				
(a) Barbed wire fencing	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
Sub Total of 0 year		60043	112791	172834
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 of seedling for casualty replacement	1111	208	44	252
(e) 3 weeding cum soil working	1111	24455	0	24455
(f) Support watering 5 times @ 3.25		14963	20539	35502
(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 replcement, transport and planting	111+111	218	1041	1259
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12048	12048
(d) Support watering 3 times @ 3.25		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 planting	111	232	555	787
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	13332	13332
(d) Support watering 1 times @ 3.25		3784	4120	7904
(e) Protection & maintenance of fencing / tending operation	L.S.	9842	0	9842
Total for 3rd year		26996	18007	45003
4thYear				
(a) 1 weeding & soil working	L.S.	5507	0	5507
(b) Protection & Maintenance of fencing/ Tending operation		9842	0	9842
Total for 4th year		15349	0	15349
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8139	0	8139
Total for 5th year		8139	0	8139
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8647	0	8647
Total for 6th year		8647	0	8647
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9156	0	9156
Total for 7th year		9156	0	9156
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9663	0	9663
Total for 8th year		9663	0	9663
9thYear				

Protection & maintenance of fencing/ tending operation	L.S.	10172	0	10172
Total for 9th year		10172	0	10172
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10681	0	10681
Total for 10th year		10681	0	10681
SUB TOTAL :		244176	179519	423695
The Cost of Supervision/subsequential silvicultural Operations	20%	48835	35904	84739
		293011	215423	508434
		SAY		5,08,434

Note :-

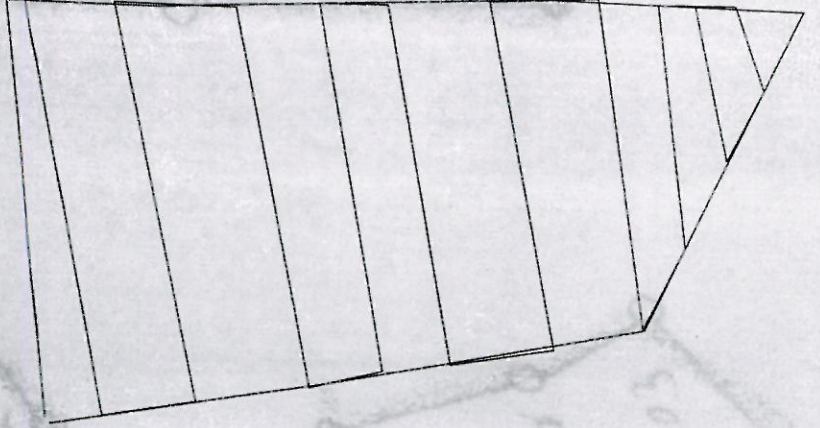
- (1) Seed sowing along fencing towards the inner side, and also in the plot.
- (2) Planting of cutting of ipomea//Glaricidia along the fencing towards outer side.

Compensatory afforestation will be done in 1.00 ha. Area.

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


Deputy Conservator Of Forests
Chhotaudepur

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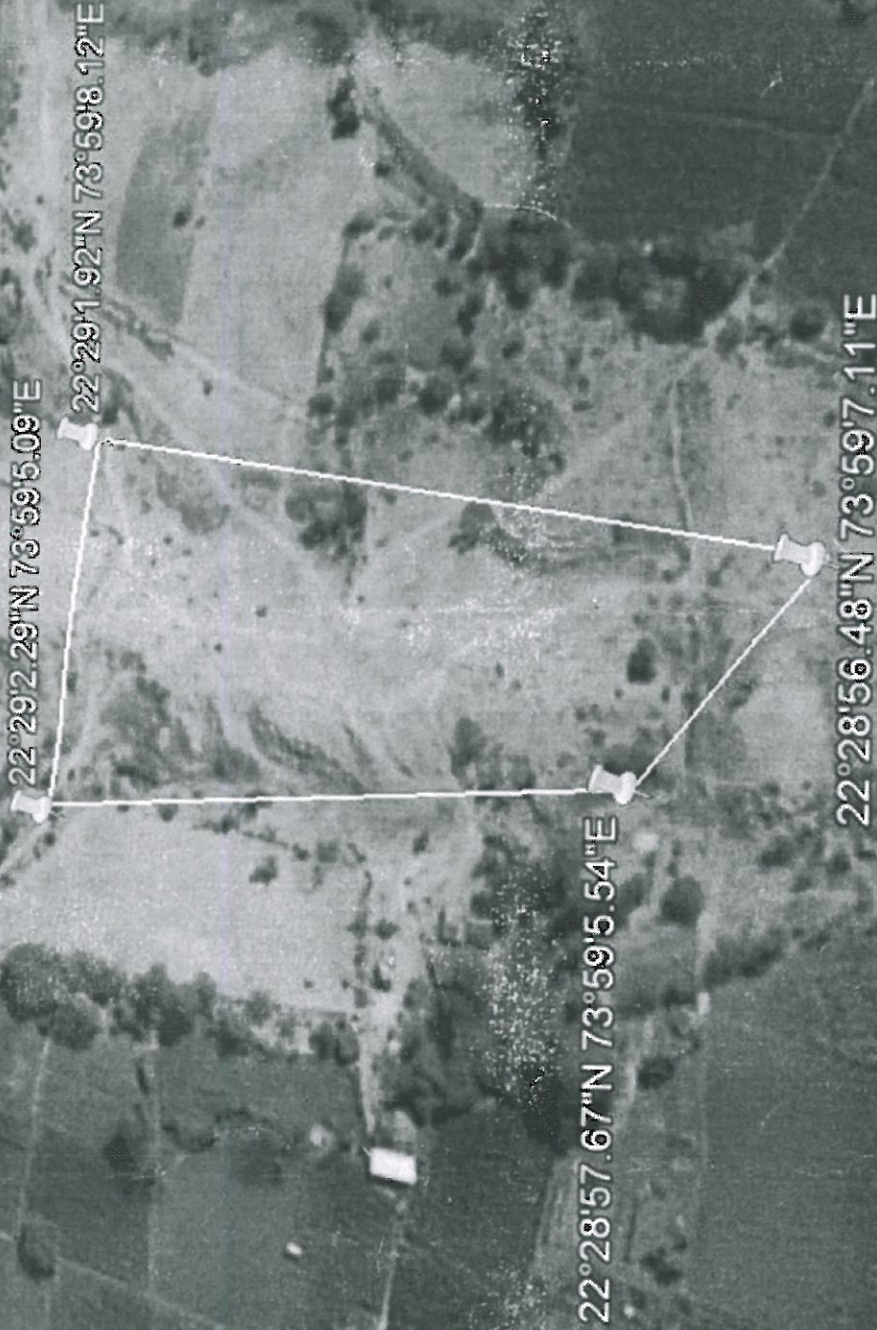
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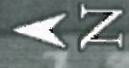
Write a description for your map.

Legend

-  22.48368N 73.98507E
-  Feature 1



400 ft



Google Earth

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धरिद्विज वन अधिकारी,
(सर्वे) छोटगडेपुर.

Deputy Conservator of Forest,
CHHOTTA-UDEPUR.