

Compensary Afforestation Scheme for double degraded area

Diversion of 0.7010 ha. Reserved/ Protected Forest land within setting-up the 4G Communication Tower in villages Mohbi, Junaraj, Vaghumar, Mathasar, Mandan, Dhirkhadi & Bhilvashi & Laying of OFC routes from Dumkhal to Mohbudi & Surpan to Mathasar within Shoolpaneshwar Wildlife Sanctuary Area under FCA Act.1980 of forest land to be diverted for diversion of Reliance Jio Infocomm Limited, Surat. 0.7010 ha forest Area under Narmada Forest Division, Narmada.

Detailed scheme of Compensatory Afforestation for degraded area 2.00 ha. to be carried out in lieu of 0.7010 ha. of Reserved forest land to be diverted in Narmada district.

1. Details of degraded land.

Village	Amalipani/Kalmkuva
Taluka	Dediyapada
Range	Sorapada
District	Narmada
Division	Narmada
Block/ Patal, Compartment No.	408 Old; 348 New
Area to be afforested	<u>2.00 Ha</u>
Working circle	Plantation

2. Description of Area.

Soil type	Marramy, stony
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.

4. Schedule of Plantation Programme:-

- (i) The Compensatory Afforestation on degraded area would be started by Dy.Conservator of Forest Narmada Division as early as possible after the proposal is formally approved.
- (ii) Compensatory Afforestation will be done in 2.00 ha.area. The total afforestation cost will be about Rs.11,40,000/- Reliance Jio Infocomm Limited,Surat 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 340.20 per day.																														
b	Spacement	3 X 3 mtr., 1111 plants per ha.																														
c	Species to be planted (No. of plants per ha.)	<table> <tr> <th></th><th></th><th>Height (cm)</th></tr> <tr> <td>Khair</td><td>200</td><td>65</td></tr> <tr> <td>Teak</td><td>300</td><td>Stump of minimum 6cm girth</td></tr> <tr> <td>Bamboo</td><td>100</td><td>50</td></tr> <tr> <td>Bahedo, Herde, Aritha</td><td>100</td><td>65</td></tr> <tr> <td>Haldu, Sadad, Arjun Sadad</td><td>100</td><td>90</td></tr> <tr> <td>Bhilamo, Kadayo, Sadad, Tandol etc.</td><td>100</td><td>90</td></tr> <tr> <td>Albizzia, Ficus, Jamun, Anjan, Neem, etc.</td><td>100</td><td>75</td></tr> <tr> <td>Bordi, Karanj, Khakhro & others</td><td>111</td><td>65</td></tr> <tr> <td>Total</td><td>1111</td><td></td></tr> </table>			Height (cm)	Khair	200	65	Teak	300	Stump of minimum 6cm girth	Bamboo	100	50	Bahedo, Herde, Aritha	100	65	Haldu, Sadad, Arjun Sadad	100	90	Bhilamo, Kadayo, Sadad, Tandol etc.	100	90	Albizzia, Ficus, Jamun, Anjan, Neem, etc.	100	75	Bordi, Karanj, Khakhro & others	111	65	Total	1111	
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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.																														

1	Proposed monitoring mechanism	<p>(i) A plantation register is to be maintained.</p> <p>(ii) Monitoring is to be done as per the following norms. Forester – 100% RFO – 100% ACF – 20% DCF – 10%</p> <p>(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.</p> <p>(iv) The collar girth is also to be reordered at the end of each year.</p> <p>(v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo.</p> <p>(vi) Bamboo would be of the harvestable size by the end of 4th year.</p> <p>(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.</p>
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.



Dy. Conservator of Forest
Narmada

The Compensatory Afforestation scheme at the cost of **Rs.11,40,000/-** is technically and administrative approved by the undersigned.



Dy. Conservator of Forest
Narmada

Diversification of Land for setting-up the 4G Communication Tower in villaages Mohbi, Junaraj, Vaghumar, Mathasar, Mandan, Dhirkhadi & Bhilvashi & Laying of OFC routes from Dumkhhal to Mohbudi & Surpan to Mathasar within Shoolpaneshwar WildLife Sanctuary Area under FCA Act.1980 (Total : 0.7010 ha.)

Daily wages Rs.340.20

Spacements = 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, fertillizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casuality replacement)	1222	0	2006	2006
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	1222	4908	254	5162
(c) Seedling cost for casuality replacement in one year old (20%)	222	1551	463	2014
(d) Seedling cost for casuality replacement in two year old (10%)	111	777	231	1008
Total		7236	2953	10189
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3687	0	3687
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111@ 6.00	10648	0	10648
Total		14335	0	14335
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	10861	10861
Total		0	10861	10861
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	13099	26004	39103
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9970	0	9970
Total		23071	26004	49075
4. Protection				
(a) Barbed wire fencing	L.S.	3911	39104	43014

(b) Seed sowing and planting of cuttings of Ipomea/ Glarcidia along the fence		1217	523	1739
Total		5127	39626	44753
Sub Total of 0 year		49768	79444	129212
1st Year		0	0	0
(a) Maintenance of nursery (April to June)	1222	3765	376	4140
(b) Transport of seedling for plantation	1111	20379	426	20806
(c) Planting with khamna of Min 1 m dia	1111	6347	0	6347
(d) Transport of seedling for casualty replacement	111	220	49	269
(e) 3 weeding cum soil working	1111	25847	0	25847
(f) Support watering 5 times @ 3.25		15815	22694	38509
(g) Protection / tending operation		5095	0	5095
(h) Tending to natural vegetation		1279	0	1279
(i) Contingency		0	1279	1279
Total for 1st year		59353	24827	84180
2nd Year		0	0	0
(a) 2 weeding & soil working		13885	0	13885
(b) 20 % Casually replcement, transport and planting	111+111	231	1150	1381
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12836	12836
(d) Support watering 3 times @ 3.25		10277	14752	25029
(e) Protection / tending operation		5546	0	5546
Total for 2nd year		0	28737	28737
3rd Year		0	0	0
(a) 2 weeding & soil working		14656	0	14656
(b) 10 % Casually replcement, transport and planting	111	124	620	744
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	14071	14071
(d) Support watering 1 times @ 3.25		3690	5295	8985
(e) Protection & maintenance of fencing / tending operation	L.S.	9582	0	9582
Total for 3rd year		28052	19986	48038
4thYear		0	0	0
(a) 1 weeding & soil working		8093	0	8093
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7999	0	7999
Total for 4th year		16092	0	16092
5thYear		0	0	0
Protection & maintenance of fencing/ tending operation	L.S.	8532	0	8532
Total for 5th year		8532	0	8532
6thYear		0	0	0

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Protection & maintenance of fencing/ tending operation	L.S.	9065	0	9065
Total for 6th year		9065	0	9065
7thYear		0	0	0
Protection & maintenance of fencing/ tending operation	L.S.	9599	0	9599
Total for 7th year		9599	0	9599
8thYear		0	0	0
Protection & maintenance of fencing/ tending operation	L.S.	10130	0	10130
Total for 8th year		10130	0	10130
9thYear		0	0	0
Protection & maintenance of fencing/ tending operation	L.S.	10664	0	10664
Total for 9th year		10664	0	10664
10thYear		0	0	0
Protection & maintenance of fencing/ tending operation	L.S.	11198	0	11198
Total for 10th year		11198	0	11198
SUB TOTAL :		321946	152994	474940
The Cost of Supervision/subsequential silvicultureal Operations	20%	64389	30599	94988
		386335	183593	569928
Say - 1.00 ha. CA :				570000

Note :-

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

Compensatory afforestation will be done in 1.00 ha.

Total Cost Rs. :

570000

Ha

2

Total

1140000

Statement showing the details of degraded forest area identified for the Compensation for afforestation

Sr. No.	District	Taluka	Village	Comp. No.	Total Area Ha.	Area in Degraded forest in other scheme Ha.	Area under this Scheme Ha.	Balance area Ha.
1	2	3	4	5	6	7	8	9
1	Narmada	Dediyapada	Amalipani / Kalmkuva	Old: 408 New:348	255.69	8.00	2.00	245.69

Place :-Rajpipla

Date :- - - 2021


Dy. Conservator of Forests
Narmada