

Compensary Afforestation Scheme for double degraded area

Diversion of 1.43527 ha. Reserved/ Protected Forest land within Shoolpaneshwer Wildlife Sanctuary area for laying OFC line at Vaghadiya To Zarvani, Dharikheda To amali, Mal to Kokati, Mathasar To Sakali, Vandari To Dumkhal of Narmada District lieu of 1.43527 ha. of forest land to be diverted for diversion of Reliance Jio Infocomm Limited, Surat forest Area under Narmada Forest Division, Narmada.

Detailed scheme of Compensatory Afforestation for degraded area 3.00 ha. to be carried out in lieu of 1.43527 ha. of Reserved/Protected 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>3.00 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 1.00 ha.area. The total afforestation cost will be about Rs.15,60,300/- 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 310.40 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.15,60,300/-** is technically and administrative approved by the undersigned.


 Dy. Conservator of Forest
 Narmada

Compensatory Afforestation Scheme for double degraded area under FCA proposal Diversion of 1.43527 ha. Reserved/ Protected Forest land within Shoolpaneshwar Wildlife Sanctuary area for laying OFC line at Vaghadiya To Zarvani, Dharikheda To amali, Mal to Kokati, Mathasar To Sakali, Vandari To Dumkhal of Narmada District Ileo of 1.43527 ha. of forest land to be diverted for diversion of Reliance Jio Infocomm Limited, Surat forest Area under Narmada Forest Division, Narmada.

Daily wages Rs.310.40

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	5.00
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	1830	1830.00
(b) labour : Preparation of beds, filling and arranging of bags, sowing of seeds, watering shifting, weeding etc.	1222	4478.00	232	4710.00
(c) Seedling cost for casualty replacement in one year old (20%)	222	1415.00	422	1837.00
(d) Seedling cost for casualty replacement in two year old (10%)	111	709.00	211	920.00
Total		6602.00	2695	9297.00
2. Area Development (Land Preparation)		0.00	0	0.00
(a) Survey, cutback and promotion of root suckers		3364.00	0	3364.00
(b) Alignment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	9715.00	0	9715.00
Total		13079.00	0	13079.00
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0.00	9910	9910.00
Total		0.00	9910	9910.00
3. SMC Works		0.00	0	0.00
(a) Check wall/ retaining wall /checkdam (all pucca only)	L.S.	11952.00	23726	35678.00
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9097.00	0	9097.00
Total		21050.00	23726	44776.00
4. Protection		0.00	0	0.00
(a) Barbed wire fencing	L.S.	3568.00	35678	39246.00

(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1110.00	477	1587.00
Total		4678.00	36155	40833.00
Sub Total of 0 year		45409.00	72485	117893.00
1st Year				
(a) Maintenance of nursery (April to June)	1222	0.00	0	0.00
(b) Transport of seedling for plantation	1111	3435.00	343	3778.00
(c) Planting with khamna of Min 1 m dia	1111	18594.00	389	18983.00
(d) Transport of seedling for casualty replacement	111	5791.00	0	5791.00
(e) 3 weeding cum soil working	1111	201.00	44	245.00
(f) Support watering 5 times @ 3.25		23583.00	0	23583.00
(g) Protection / tending operation		14430.00	20706	35136.00
(h) Tending to natural vegetation		4649.00	0	4649.00
(i) Contingency		1167.00	0	1167.00
Total for 1st year		0.00	1167	1167.00
2nd Year				
(a) 2 weeding & soil working		54154.00	22652	76806.00
(b) 20 % Casually replcement, transport and planting	111+111	0.00	0	0.00
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	12669.00	0	12669.00
(d) Support watering 3 times @ 3.25		211.00	1049	1260.00
(e) Protection / tending operation		9377.00	13459	22836.00
Total for 2nd year		5060.00	0	5060.00
3rd Year				
(a) 2 weeding & soil working		0.00	0	0.00
(b) 10 % Casually replcement, transport and planting	111	13372.00	0	13372.00
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	113.00	566	679.00
(d) Support watering 1 times @ 3.25		0.00	12838	12838.00
(e) Protection & maintenance of fencing / tending operation	L.S.	3367.00	4831	8198.00
Total for 3rd year		8743.00	0	8743.00
4thYear				
(a) 1 weeding & soil working		0.00	0	0.00
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7384.00	0	7384.00
Total for 4th year		7298.00	0	7298.00
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	0.00	0	0.00
Total for 5th year		7785.00	0	7785.00
6thYear				
		0.00	0	0.00

Protection & maintenance of fencing/ tending operation	L.S.	8271.00	0	8271.00
Total for 6th year		8271.00	0	8271.00
7thYear		0.00	0	0.00
Protection & maintenance of fencing/ tending operation	L.S.	8758.00	0	8758.00
Total for 7th year		8758.00	0	8758.00
8thYear		0.00	0	0.00
Protection & maintenance of fencing/ tending operation	L.S.	9243.00	0	9243.00
Total for 8th year		9243.00	0	9243.00
9thYear		0.00	0	0.00
Protection & maintenance of fencing/ tending operation	L.S.	9730.00	0	9730.00
Total for 9th year		9730.00	0	9730.00
10thYear		0.00	0	0.00
Protection & maintenance of fencing/ tending operation	L.S.	10217.00	0	10217.00
Total for 10th year		10217.00	0	10217.00
SUB TOTAL :		293745.00	139592	433337.00
The Cost of Supervision/subsequential silvicultureal Operations	20%	58749.00	27918	86667.00
		352494.00	167511	520005.00

Note :-

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

Compensatory afforestation will be done in 1.00 ha. Area.


Total Cost Rs. : 520100

Ha

3

Total

1560300


Dy. Conservator of Forests,
Narmada-Rajpipla.

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	0	3.00	252.69

Place :-Rajpipla

Date :- - -2020



Dy. Conservator of Forests
Narmada