

Compensary Afforestation Scheme for double degraded area

Diversion of 1.18057 ha. PF land for lying OFC for Reliance Jio Infocomm Limited 4G Narmada District Mojara, Dediyaipada, Bal, Sagai, Juna Mosda, Patvadi, Dabka, Moti Singloti, Piplod, Kokam, Diversion in lieu of 1.18057 of forest land to be diverted for diversion of The Reliance Jio Infocomm Limited, Ahmedabad.

Detailed scheme of Compensatory Afforestation for degraded area 3.00 ha. to be carried out in lieu of 1.18057 ha. of Protected forest land to be diverted in Narmada district.

1. Details of degraded land.

Village	Boridra
Taluka	Nandod
Range	Rajpipala
District	Narmada
Division	Narmada
Block/ Patal, Compartment No.	Old: 96 & new : 113
Area to be afforested	3.00 Ha.
Working circle	Protection

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:-

(iii)	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.
(iv)	Compensatory Afforestation will be done in 3.00 ha.area. The total afforestation cost will be about Rs.15,60,300/- The Relince Jio Inocomm Limited, Ahmedabad 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> <td>Khair</td><td>200</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>Teak</td><td>300</td></tr> <tr> <td>Bamboo</td><td>100</td></tr> <tr> <td>Bahedo, Herde, Aritha</td><td>100</td></tr> <tr> <td>Haldu, Sadad, Arjun Sadad</td><td>100</td></tr> <tr> <td>Bhilamo, Kadayo, Sadad, Tandoi etc.</td><td>100</td></tr> <tr> <td>Albizia, Ficus, Jamun, Anjan, Neem, etc.</td><td>100</td></tr> <tr> <td>Bordi, Karanj, Khakhro & others</td><td>111</td></tr> <tr> <td>Total</td><td>1111</td><td></td></tr> </table>	Khair	200	Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.	Teak	300	Bamboo	100	Bahedo, Herde, Aritha	100	Haldu, Sadad, Arjun Sadad	100	Bhilamo, Kadayo, Sadad, Tandoi etc.	100	Albizia, Ficus, Jamun, Anjan, Neem, etc.	100	Bordi, Karanj, Khakhro & others	111	Total	1111	
Khair	200	Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.																				
Teak	300																					
Bamboo	100																					
Bahedo, Herde, Aritha	100																					
Haldu, Sadad, Arjun Sadad	100																					
Bhilamo, Kadayo, Sadad, Tandoi etc.	100																					
Albizia, Ficus, Jamun, Anjan, Neem, etc.	100																					
Bordi, Karanj, Khakhro & others	111																					
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	<p>(iii) Pucca structure like Check dam, check wall, retaining wall</p> <p>(iv) 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.</p>																				
h	Protection Trench	Barbed wire fencing. Seed sowing And planting of cuttings of Ipomea/Glarcidia along the fence																				
i	Silvicultural Operations	<p>1st year three weeding soil working, Support watering will be provided if needed.</p> <p>2nd year two weeding soil working.</p>																				

		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	<p>(viii) A plantation register is to be maintained.</p> <p>(ix) Monitoring is to be done as per the following norms.</p> <p>Forester – 100%</p> <p>RFO – 100%</p> <p>ACF – 20%</p> <p>DCF – 10%</p> <p>(x) 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>(xi) The collar girth is also to be reordered at the end of each year.</p> <p>(xii) 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>(xiii) Bamboo would be of the harvestable size by the end of 4th year.</p> <p>(xiv) 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 1.18057 ha. PF land for construction of PF land for lying OFC for Reliance Jio
 Infocomm Limited 4G Narmada District Mojara, Dediapada, Bal, Sagai, Juna Mosda, Patvali,
 Dabka, Moti Singloti, Piplod, Kokam, Diversion in lieu of 1.18057 of forest land to be diverted for
 diversion of executive The Reliance Jio Infocomm Limited, Ahmedabad.

Daily wages Rs.310.40

Spacemnts = 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
0 year	2	3	4	5.00
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, showing 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) Aligment 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 /checkdem (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				
Sub Total of 0 year		4678.00	36155	40833.00
1st Year		45409.00	72485	117893.00
(a) Maintenance of nursery (April to June)		0.00	0	0.00
(b) Transport of seedling for plantation	1222	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	1111	5791.00	0	5791.00
(e) 3 weeding cum soil working	111	201.00	44	245.00
(f) Support watering 5 times @ 3 25	1111	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		54154.00	22652	76806.00
(a) 2 weeding & soil working		0.00	0	0.00
(b) 20 % Casually replcement, transport and planting		12669.00	0	12669.00
(c) Natural fertilizer (neem cake / caster cake) etc.	111+111	211.00	1049	1260.00
(d) Support watering 3 times @ 3 25	Rs.5/ plant	0.00	11711	11711.00
(e) Protection / tending operation		9377.00	13459	22836.00
Total for 2nd year		5060.00	0	5060.00
3rd Year		0.00	26220	1830.00
(a) 2 weeding & soil working		0.00	0	0.00
(b) 10 % Casually replcement, transport and planting		13372.00	0	13372.00
(c) Natural fertilizer, neem cake etc.	111	113.00	566	679.00
(d) Support watering 1 times @ 3.25	Rs.5/ plant	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		25595.00	18235	43830.00
(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		14682.00	0	14682.00
Protection & maintenance of fencing/ tending operation	L.S.	0.00	0	0.00
Total for 5th year		7785.00	0	7785.00

6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	0.00	0	0.00
Total for 6th year		8271.00	0	8271.00
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	0.00	0	0.00
Total for 7th year		8758.00	0	8758.00
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	0.00	0	0.00
Total for 8th year		9243.00	0	9243.00
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	0.00	0	0.00
Total for 9th year		9730.00	0	9730.00
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	0.00	0	0.00
Total for 10th year		10217.00	0	10217.00
SUB TOTAL :		293745.00	139592	433337.00
The Cost of Supervision/subsequential silvicultureal Operations	20%	54749.00	27918	82667.00
		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//Gliricidia along the fencing towards

Compensatory afforestation will be done in 1.00 ha. Area

	Ha	Total
Total Cost Rs. :	520100	3
		1560300

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

St. 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	Nandod	Boridra	Old: 96 New: 113	171.17	98.00	3.00	70.17

Place :- Raipipla

Date :- - 06 - 2020


Dy. Conservator of Forests
Narmada

CERTIFICATE

This is to certify that, I have visited 3.00 ha. area of degraded Reserve forest (for taking up 1.18057 ha of C.A.) of Village : Bondra Jungle Compt No. Old:96 New:113 Taluka - Nandod, Dist. - Narmada Dt. 8-6-2020 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 OFC for Reliance Jio Infocomm Limited 4G Narmada District Mojara, Dediya Pada, Bai, Sagai, Juna Mosda, Patvali, Dabka, Moti Singloti, Piplod, Kokam. Diversion in lieu of 1.18057 forest land and the said 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.

Date :- - 06 - 2020
Place :- Rajpipla


Dy. Conservator of Forests
Narmada