

Compensary Afforestation Scheme for double degraded area

Proposal of 0.3073 ha Reserve Forest land for JIO Optical fiber Cable line along the Village Naniwaghal to Ambapada(Waghal) road side. Taluka:Vansda/Ahwa ,District:Navsari/Dang ,State: Gujarat

Detailed scheme of Compensatory Afforestation for degraded area 1.00 ha. to be carried out in lieu of 0.3073 ha. of Reserve forest land to be diverted in Navasari/Dang district.

1. Details of degraded land.

Village	Dagadiamba and Barda(Waghai)
Taluka	Waghai
Range	Waghal
District	Dang
Division	South Dang Forest Division Ahwa
Block/ Patal, Compartment No.	P.F.Comptt.No.141 PF Survey No.122 and 57
Area to be afforested	1.00 Ha.

2. Description of Area.

Soil type	Brown & murom
Topography	Medium
Slope	Medium & High
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 Deputy Conservator of Forest South Dang Division Ahwa 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.5,95,810/- JiO Digital Fiber Private Ltd. Ahemadabad 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 351.30 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>75cm</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>50cm</td></tr> <tr> <td>Bahedo, Herde, Aritha</td><td>100</td><td></td></tr> <tr> <td>Haldu, Sadad, Arjun</td><td>100</td><td>65cm</td></tr> <tr> <td>Sadad</td><td></td><td></td></tr> <tr> <td>Bhilamo, Kadayo, Sadad, Tandol etc.</td><td>100</td><td>50cm</td></tr> <tr> <td>Albizia, Ficus, Jamun, Anjan, Neem, etc.</td><td>100</td><td>65cm</td></tr> <tr> <td>Bordi, Karanj, Khakhro & others</td><td>111</td><td>50 cm</td></tr> <tr> <td>Total</td><td>1111</td><td></td></tr> </table>	Khair	200	75cm	Teak	300	Stump of minimum 6cm girth	Bamboo	100	50cm	Bahedo, Herde, Aritha	100		Haldu, Sadad, Arjun	100	65cm	Sadad			Bhilamo, Kadayo, Sadad, Tandol etc.	100	50cm	Albizia, Ficus, Jamun, Anjan, Neem, etc.	100	65cm	Bordi, Karanj, Khakhro & others	111	50 cm	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 Ipomoeas/ 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 two weeding soil working. 4 th 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>(i) A plantation register is to be maintained.</p> <p>(ii) Monitoring is to be done as per the following norms.</p> <p>Forester – 100%</p> <p>RFO – 100%</p> <p>ACF – 20%</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.


Deputy Conservator of Forest
South Dang Division Ahwa

The Compensatory Afforestation scheme at the cost of Rs. 5,95,810/- is technically and administrative approved by the undersigned.


Deputy Conservator of Forest
South Dang Division Ahwa

Proposal for laying OFC for Jio Digital Fibre Private Limited 4G Dang South District

Online Proposal No. FP/GJ/OFC/148825/2021

Area:-0.3073 Ha.

Detailed scheme of Compensatory Afforestation for degraded area 1.00 ha. to be carried out in lieu of 0.3073 ha. of Reserve forest land to be diverted in Dang district

Annexure-19

Daily wages Rs. 351.30

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,fartillizer, 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,showing of seeds, watering shifting, weeding etc.	1222	5068.12147	230	5298
(c) Seedling cost for casualty. replacement in one year old (20%)	222	1601.90062	419	2021
(d) Seedling cost for casualty replacement in two year old (10%)	111	802.091263	209	1011
Total		7472	2673	10145
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3807	0	3807
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111@ 6.00	10995	0	10995
Total		14803	0	14803
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	9830	9830
Total		0	9830	9830
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	13527	23535	37062
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	10296	0	10296
Total		23823	23535	47358
4. Protection				
(a) Barbed wire fencing	205	32800	49200	82000

(b) Seed sowing and planting of cuttings of Ipomea/ Glarcidia along the fence		1256	473	1729
Total		34056	49673	83729
Sub Total of 0 year		80154	85711	165865
1st Year				
(a) Maintenance of nursery (April to June)	1222	3887	340	4227
(b) Transport of seedling for plantation	1111	21044	386	21430
(c) Planting with khamna of Min 1 m dia	1111	6554	0	6554
(d) Transport of seedling for casualty replacement	111	227	44	271
(e) 3 weeding cum soil working	1111	26690	0	26690
(f) Support watering 5 times @ 3.25		16332	20539	36871
(g) Protection / tending operation		5262	0	5262
(h) Tending to natural vegetation		1321	0	1321
(i) Contingency		0	1158	1158
Total for 1st year		81317	22467	103784
2nd Year				
(a) 2 weeding & soil working		14338	0	14338
(b) 20 % Casually replcement, transport and planting	111+111	238	1041	1279
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	11617	11617
(d) Support watering 3 times @ 3.25		10612	13351	23963
(e) Protection / tending operation		5726	0	5726
Total for 2nd year		30915	26009	56924
3rd Year				
(a) 2 weeding & soil working		15134	0	15134
(b) 10 % Casually replcement, transport and planting	111	128	561	689
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	12735	12735
(d) Support watering 1 times @ 3.25		3811	4792	8603
(e) Protection & maintenance of fencing / tending operation	L.S.	9896	0	9896
Total for 3rd year		28968	18088	47056
4thYear				
(a) 1 weeding & soil working		8357	0	8357
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	8259	0	8259
Total for 4th year		16617	0	16617
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8810	0	8810
Total for 5th year		8810	0	8810
6thYear				

Protection & maintenance of fencing/ tending operation	L.S.	9360	0	9360
Total for 6th year		9360	0	9360
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9911	0	9911
Total for 7th year		9911	0	9911
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10461	0	10461
Total for 8th year		10461	0	10461
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11012	0	11012
Total for 9th year		11012	0	11012
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11564	0	11564
Total for 10th year		11564	0	11564
SUB TOTAL :		299091	152275	451366
The Cost of Supervision/subsequent silvicultural Operations	20%	59818	30455	90273
Grand Total :		358909	182730	541639

Note :-

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


Compensatory afforestation will be done in. 1.00 ha. Area.

The Total afforestation cost will be Rs.: 541639

10% 54164

Total Cost Rs.: (with 10%) 595803

Say 595810


Dy. Conservator of Forests
South Dangs AHWA.