

94

Annexure-19

Compensatory Afforestation Scheme for double degraded area

Diversion of 0.0595. ha. Forest Land to be diverted Proposal for Reserved Forest Land for Bhaniya village 24 hour 3-ph JGY power supply (Bhaniya-Khisari) AG electric link line Ta.Khambha, Dist. Amreli. Under Jurisdiction of The Dy. Conservator of forest, Gir (East) Division, Dhari. Gujarat State.

Detailed scheme of Compensatory Afforestation to be carried out in lieu of 0.0595 Ha. Of Reserve forest land for Bhaniya village 24 hour 3-ph JGY power supply (Bhaniya-Khisari) AG electric link line Ta.Khambha, Dist. Amreli. Under Jurisdiction of The Dy. Conservator of forest, Gir (East) Division, Dhari. Gujarat State.

1. **Details of degraded land.**
The Villages, Talukas, Ranges, Districts and others details are as follows.

Village	Fulka
Taluka	Gir gadhada
Range	Jasadhar Range
District	Gir Shomnath
Division	Gir East Division, Dhari
Block/ Patal, Compartment No.	146 pt.
Areato be afforested	1.00 Ha.
Working circle	-

Total Compensatory area 1.00 Ha.

2. **Description of Area.**

Soil type	Muramy hard soil
Topography	Plain
Slope	medium
Whether the area is bearing any root stock of Vegetation	Most of the area is degraded

3. **Name of Plantation Programme:-**
Compensatory Afforestation Scheme for Degraded Forest Area.
4. **Schedule of Plantation Programme:-**

(i)	The Compensatory Afforestation on degraded area would be started by Deputy Conservator of Forest Gir East Forest Division, Dhari 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. 449665/- Gir East Forest Division, Dhari has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

Date:-25/12/2020
Place:-Dhari.

(Dr. Anshuman)
Dy. Conservator of Forest
Gir (East) Forest Division, Dhari.

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 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><tr><td>Harmo</td><td>251</td><td rowspan="7">Average minimum height will be Specification as per Gujarat forest department</td></tr><tr><td>Gugal</td><td>100</td></tr><tr><td>Bordi</td><td>190</td></tr><tr><td>Gorad</td><td>190</td><td>Haramo</td><td>65 c.m.</td></tr><tr><td>Saral</td><td>190</td><td>Gugal</td><td>50 c.m.</td></tr><tr><td>Desi Baval</td><td>190</td><td>Boradi</td><td>65 c.m.</td></tr><tr><td>Total</td><td>1111</td><td>Gorad</td><td>50 c.m.</td></tr><tr><td></td><td></td><td>Saral</td><td>65 c.m.</td></tr><tr><td></td><td></td><td>Desi Baval</td><td>100 c.m.</td></tr></table>	Harmo	251	Average minimum height will be Specification as per Gujarat forest department	Gugal	100	Bordi	190	Gorad	190	Haramo	65 c.m.	Saral	190	Gugal	50 c.m.	Desi Baval	190	Boradi	65 c.m.	Total	1111	Gorad	50 c.m.			Saral	65 c.m.			Desi Baval	100 c.m.
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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.																															

Sr. No.	Details	Specifications
I	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.</p> <p>(vi) Third party monitoring mechanism is also in the State and if the plantations 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.

The Compensatory Afforestation scheme at the cost of **Rs.449665/-** is technically and administrative approved by the undersigned.

Date:-25/12/2020

Place:-Dhari.


 (Dr. Anshuman)
 Dy. Conservator of Forest
 Gir (East) Forest Division, Dhari.


Details of year Wise Break-Up requirement of fund is as under

Daily wages Rate: Rs.324.50

Year	Area ha	Rate / ha. At the daily wage per ha.	Total Amount
0 Year	1.00	123249	123249
1st Year	1.00	80292	80292
2nd Year	1.00	55831	55831
3rd Year	1.00	43702	43702
4th Year	1.00	15190	15190
5th Year	1.00	8139	8139
6th Year	1.00	8647	8647
7th Year	1.00	9156	9156
8th Year	1.00	9663	9663
9th Year	1.00	10172	10172
10th Year	1.00	10681	10681
Total		374721	374721
20% Supervision charge		74944	74944
Total	1.00	449665	449665

Rs. Four Lakh Forty Nine Thousand Six Hundred Sixty Five Only.

The User Agency has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (Including the price escalation and Supervision Charge)


 (Dr. Anshuman)
 Dy. Conservator of Forest
 Gir (East) Forest Division, Dhari.

Proposal for diversion of Bhaniya village 24 hour 3-ph JGY power supply (Bhaniya-Khisari ag electric link line (0.0595 Ha.) Ta.Khambha, Dist. Amreli in Gujarat State.

Information of Compensatory Afforestation area GPS Point Gir (East) Forest Division, Dhari.					
Sr. no	Name of Village & Taluka Dist	Compensatory Afforestation area in Ha.	Compensatory Afforestation S.No	GPS Point	
1	Village-Fulka Taluka- Girgdhada Dist -Girsomnath	1.00	146.pt	1	20.50.929°N 70.55.816°E
				2	20.50.905°N 70.55.924°E
				3	20.50.881°N 70.55.822°E
				4	20.50.882°N 70.55.885°E

Date:-25/12/2020
Place: -Dhari.

(Dr. Anshuman)
Dy. Conservator of Forest
Gir (East) Forest Division, Dhari.

Name of Project : Proposal for diversion of reserved forest land (356.15 ha.) for the project of Ambardi Safari park in Ambardi & Dhari Village Dist. Amreli in Gujarat State.

Daily wages Rs.324.50

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
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	1913	1913
(b) labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222	4681	243	4924
(c) Seedling cost for casualty replacement in one year old (20%)	222	1479	441	1920
(d) Seedling cost for casualty replacement in two year old (10%)	111	741	221	962
Total		6902	2817	9719
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3517	0	3517
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111@ 6.00	10156	0	10156
Total		13673	0	13673
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	10360	10360
Total		0	10360	10360
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	12495	24804	37299
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9510	0	9510
Total		22005	24804	46809
4. Protection				
(a) Barbed wire fencing	L.S.	3730	37299	41029
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1160	499	1659
Total		4890	37797	42688
Sub Total of 0 year		47471	75779	123249
1st Year				
(a) Maintenance of nursery (April to June)	1222	3591	359	3950
(b) Transport of seedling for plantation	1111	1970	407	2376

(c) Planting with khamna of Min 1 m dia	1111	6054	0	6054
(d) Transport of seedling for casualty replacement	111	210	46	256
(e) 3 weeding cum soil working	1111	23600	0	23600
(f) Support watering 5 times @ 3.25		15085	21647	36732
(g) Protection / tending operation		4883	0	4883
(h) Tending to natural vegetation		1220	0	1220
(i) Contingency		0	1220	1220
Total for 1st year		56614	23678	80292
2nd Year				
(a) 2 weeding & soil working		13108	0	13108
(b) 20 % Casually replcement, transport and planting	111+111	221	1097	1317
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12243	12243
(d) Support watering 3 times @ 3.25		9803	14070	23873
(e) Protection / tending operation		5290	0	5290
Total for 2nd year		28421	27410	55831
3rd Year				
(a) 2 weeding & soil working		14115	0	14115
(b) 10 % Casually replcement, transport and planting	111	118	592	710
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	13186	13186
(d) Support watering 1 times @ 3.25		3520	5050	8570
(e) Protection & maintenance of fencing / tending operation	L.S.	7120	0	7120
Total for 3rd year		24874	18828	43702
4thYear				
(a) 1 weeding & soil working		7561	0	7561
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7630	0	7630
Total for 4th year		15190	0	15190
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

10th Year				
Protection & maintenance of fencing/ tending operation	L.S.	10681	0	10681
Total for 10th year		10681	0	10681
SUB TOTAL :		229027	145695	374721
The Cost of Supervision/subsequential silvicultural Operations	20%	45805	29139	74944
		274832	174834	449665

Note :-

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

Compensatory afforestation will be done in 1.00 ha. Area.

Total Cost Rs. 449665