

Annexure-19
Compensatory Afforestation Scheme for double degraded area

Diversion of **0.980**. ha. Forest Land to be diverted Proposal for Reserved Forest Land for ReConstruction of Sukhpur Dalkhaniya Road, TaDhari, 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 **0.980 Ha.** Of Reserve forest land Sukhpur Dalkhaniya Road, Ta.Dhari, Dist. Amreli. Under Jurisdiction of The Dy. Conservator of forest, Gir (East) Division, Dhari. Gujarat State.

3. Details of degraded land.

The Villages, Talukas, Ranges, Districts and others details are as follows.

Village	Sukhapur
Taluka	Dhari
Range	Dalkhaniya
District	Amreli
Division	Gir East Division, Dhari
Block/ Patal, Compartment No.	47
Areato be afforested	1.00 Ha.
Working circle	-

Total Compensatory area 5.00 Ha.

4. 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:-

(iii)	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.
(iv)	Compensatory Afforestation will be done in 1.00 ha. Area. The total afforestation cost will be about Rs . 472180/- 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:-30/10/2021.

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 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><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></tr><tr><td>Saral</td><td>190</td></tr><tr><td>Desi Baval</td><td>190</td></tr><tr><td>Total</td><td>1111</td></tr></table> <table><tr><td>Haramo</td><td>65 c.m.</td></tr><tr><td>Gugal</td><td>50 c.m.</td></tr><tr><td>Boradi</td><td>65 c.m.</td></tr><tr><td>Gorad</td><td>50 c.m.</td></tr><tr><td>Saral</td><td>65 c.m.</td></tr><tr><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	Saral	190	Desi Baval	190	Total	1111	Haramo	65 c.m.	Gugal	50 c.m.	Boradi	65 c.m.	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 c.m.s. 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	(iii) Pucca structure like Check dam, check wall, retaining wall (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.																											
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
1	Proposed monitoring mechanism	<p>(vii) A plantation register is to be maintained.</p> <p>(viii) Monitoring is to be done as per the following norms. Forester – 100% RFO – 100% ACF – 20% DCF – 10%</p> <p>(ix) 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>(x) The collar girth is also to be reordered at the end of each year.</p> <p>(xi) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species.</p> <p>(xii) 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. **472180/-** is technically and administrative approved by the undersigned.

Date: -30/10/2021.
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: R.s. 340.20

Year	Area ha	Rate / ha. At the daily wage per ha.	Total Amount
0 Year	1.00	129842	129842
1st Year	1.00	84177	84177
2nd Year	1.00	58533	58533
3rd Year	1.00	45815	45815
4th Year	1.00	15926	15926
5th Year	1.00	8533	8533
6th Year	1.00	9065	9065
7th Year	1.00	9599	9599
8th Year	1.00	10131	10131
9th Year	1.00	10664	10664
10th Year	1.00	11198	11198
Total		393483	393483
20 % Supervision charge		78697	78697
Total	1.00	472180	472180

R.s. Four Lakh Seventy two Thousand One Hundred Eighty 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)

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

Name of Project:-Proposal for diversion of 0.980 ha Reserved forest Land for the project of Reconstruction of Sukhpur Dalkhaniya Road Village Road k. m. 0/00 to 5/00 Working Section (0/500 to 1/700 & 2/200 to 2/400) Ta.Dhari Dist.Amreli in Gujarat state.

Information of Compensatory Afforestation area GPS PointGir (East) Forest Division, Dhari.				
Sr. no	Name of Village & Taluka Dist	Compensatory Afforestation area in Ha.	Compensatory Afforestation S.No	GPS Point
1	Village- Sukhapur, Taluka- Dharia Dist -Amreli.	1.00	47	1 21.230194° N 70.947269° E
				2 21.229881° N 70.947707° E
				3 21.229336° N 70.945680° E
				4 21.229805° N 70.945530° E

Date:-18/12/2021.

Place: -Dhari.

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

Name of Project:-Proposal for diversion of 0.980 ha Reserved forest Land for the project of Reconstruction of Sukhpur Dalkhaniya Road Village Road k. m. 0/00 to 5/00 Working Section (0/500 to 1/700 & 2/200 to 2/400) Ta.Dhari Dist.Amreli in Gujarat state.

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 casualty replacement)		1222	0	2006	2006
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.		1222	4907	255	5162
(c) Seedling cost for casualty replacement in one year old (20%)		222	1551	462	2013
(d) Seedling cost for casualty replacement in two year old (10%)		111	777	232	1009
Total			7235	2954	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	10647	0	10647
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.	13100	26004	39104
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)		600 rmt.	10423	0	10423
Total			23523	26004	49527
4. Protection					

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(a) Barbed wire fencing	L.S.	4088	39104	43191
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1216	523	1739
Total		5304	39627	44931
Sub Total of 0 year		50396	79446	129842
1st Year				
(a) Maintenance of nursery (April to June)	1222	3765	376	4141
(b) Transport of seedling for plantation	1111	2065	427	2492
(c) Planting with khamna of Min 1 m dia	1111	6347	0	6347
(d) Transport of seedling for casualty replacement	111	220	48	268
(e) 3 weeding cum soil working	1111	24742	0	24742
(f) Support watering 5 times @ 3.25		15815	22694	38509
(g) Protection / tending operation		5119	0	5119
(h) Tending to natural vegetation		1279	0	1279
(i) Contingency		0	1279	1279
Total for 1st year		59352	24825	84177
2nd Year				
(a) 2 weeding & soil working		13742	0	13742
(b) 20 % Casually replcement, transport and planting	111+111	232	1150	1382
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12835	12835
(d) Support watering 3 times @ 3.25		10277	14751	25028
(e) Protection / tending operation		5546	0	5546
Total for 2nd year		29797	28736	58533
3rd Year				
(a) 2 weeding & soil working		14798	0	14798
(b) 10 % Casually replcement, transport and planting	111	124	621	744
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	13824	13824
(d) Support watering 1 times @ 3.25		3690	5294	8985
(e) Protection & maintenance of fencing / tending operation	L.S.	7464	0	7464
Total for 3rd year		26076	19739	45815
4thYear				
(a) 1 weeding & soil working		7927	0	7927

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(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7999	0	7999
Total for 4th year		15926	0	15926
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8533	0	8533
Total for 5th year		8533	0	8533
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9065	0	9065
Total for 6th year		9065	0	9065
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9599	0	9599
Total for 7th year		9599	0	9599
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10131	0	10131
Total for 8th year		10131	0	10131
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10664	0	10664
Total for 9th year		10664	0	10664
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11198	0	11198
Total for 10th year		11198	0	11198
		240737	152746	393483
SUB TOTAL :				
The Cost of Supervision/subsequential silvicultureal Operations	20%	48147	30549	78697
		288884	183295	472180

Note :-

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

Compensatory afforestation will be done in 1.00 ha. Area.

Total Cost Rs.472180.

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