

Annexure-19

Compensatory Afforestation Scheme for double degraded area

Detailed scheme of Compensatory Afforestation as per Chapter-2.6 (1) in the following cases, cost of plantation of ten times the number of trees likely to be felled or specified numbers of trees as may be specified in the order for diversion of forest land (subject to a minimum no. of 100 plants).

1. Details of degraded land.

Village	Limdabara
Taluka	Dahod
Range	Dahod
District	Dahod
Division	Baria
Block/ Patal, Compartment No.	22 pt.
Area to be afforested	1 Ha. (1100 Plants)
Working circle	

2. Description of Area.

Soil type	Loamy & Rocky
Topography	Plain
Slope	Gentle
Whether the area is bearing any root stock of Vegetation	Yes

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

Daily / Wages-Rs.351.30

Year	Area ha	Rate /ha	Total Amount
0 Year 70 %	1.00	182572	182572
1 st Year (Current Year)	1.00	89260	89260
2 nd Year	1.00	60000	60000
3 rd Year	1.00	47850	47850
4 th Year	1.00	16561	16561
5 th Year	1.00	8544	8544
6 th Year	1.00	10074	10074
7 th Year	1.00	10487	10487
8 th Year	1.00	10973	10973
9 th Year	1.00	11180	11180
10 th Year	1.00	11329	11329
Total		458830	458830
Supervision Charge 20 %	1.00	91766	91766
Total		550596	550596

Say **5,50,596**

Compensatory Afforestation will be done in 1.00 ha. Area. The total afforestation cost will be Rs. **5,50,596/-**

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 Baria 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.5,50,596/- 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>150</td><td>65cm</td></tr><tr><td>Kanaj</td><td>100</td><td>75cm</td></tr><tr><td>Sadad</td><td>50</td><td>90cm</td></tr><tr><td>Bamboo</td><td>100</td><td>65cm</td></tr><tr><td>Bordi</td><td>25</td><td>65cm</td></tr><tr><td>Baheda</td><td>25</td><td>90cm</td></tr><tr><td>Mahuda</td><td>50</td><td>75cm</td></tr><tr><td>Amla</td><td>200</td><td>75cm</td></tr><tr><td>Teak</td><td>200</td><td>90cm</td></tr><tr><td>Etc.</td><td>211</td><td></td></tr><tr><td>Total</td><td>1111</td><td></td></tr></table>	Khair	150	65cm	Kanaj	100	75cm	Sadad	50	90cm	Bamboo	100	65cm	Bordi	25	65cm	Baheda	25	90cm	Mahuda	50	75cm	Amla	200	75cm	Teak	200	90cm	Etc.	211		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. (iii) Van Talavadi/ Percolation tank
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.
l	Proposed monitoring mechanism	(i) A plantation register is to be maintained. (ii) Monitoring is to be done as per the following norms. Forester – 100% RFO – 100% ACF – 20% DCF – 10% (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. (iv) The collar girth is also to be reordered at the end of each year. (v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo. (vi) Bamboo would be of the harvestable size by the end of 4 th year. (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.
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
 Baria

The Compensatory Afforestation scheme at the cost of **Rs.5,50,596-** (in words) **Five Lacs Fifty Thousand Five Hundred Ninty Six Only** is technically and administrative approved by the undersigned.


 Dy. Conservator of Forest
 Baria

Compensatory Afforestation Scheme for Non- Forest land Under FCA Proposal

Detailed scheme of Compensatory Afforestation as per Chapter-2.6 (1) in the following cases, cost of plantation of ten times the number of trees likely to be felled or specified numbers of trees as may be specified in the order for diversion of forest land (subject to a minimum no. of 100 plants).

Spacemnts = 3mx3m

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

Wage rate: 351.30/Day

	Plau ground	Qty.	Labour	Material	Totals
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	4868	230	5098
	Seedling cost for casualty replacement in one year old (20 %)	222	1538	419	1957
	Seedling cost for casualty replacement in two year old (10%)	111	770	209	979
	Total		7177	2673	9850
2. Area Development (Land Preparation)					
(a)	Survey, cutback and promotion of root suckers		3657	0	3657
	Aligment and digging of pits 0.45 X 0.45 X 0.45	.1111@8.84	10199	0	10199
	Total		13856	0	13856
(a)	Natural Fertilizer (Neem cake/ Castor cake)	1111@10	0	11110	11110
	Total		0	11110	11110
3. SMC Works					
			0		
(a)	Check wall/ retaining wall /checkdem (all pucca only)	L.S	13685	23535	37220
(b)	Contour trench 2 M x 45 Cm x 30 Cm as per Rs.51.75/rmt (300 trench)	600rmt	10372	0	10372
(c)	Van Talavadi/Hill Top Tank/Percolation tank/Nala bund,Gully Plug etc.		10484	0	10484
	Total		34541	23535	58076
4. Protection					
(a)	Barbed wire fencing (220 rmt/ Ha. , Rs. 400/- per Rmt)	L.S	8000	80000	88000
(b)	Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1208	473	1681
	Total		9208	80473	89681
	Total for 0 year		64781	117791	182572
1st Year					
(a)	Maintenance of nursery (April to June)	1222	4460	340	4800
(b)	Transport of seedling for plantation	1111	2370	200	2570
(c)	Planting with khamna of Min. 1 m dia	1111	6985	0	6985
(d)	Transport & planting of seediling for casualty replacement	111	420	44	464
(e)	3 weeding cum soilworking	1111	28509	0	28509
(f)	Support watering 5 times @5.30		17560	20539	38099
(g)	Protection / tending operation		5370	0	5370
(h)	Tending to natural vegetation		1305	0	1305
(i)	Contingency		0	1158	1158
	Total for 1st year		66979	22281	89260

2nd Year					
(a)	2 weeding & soil working		13774	0	13774
(b)	20 % Casually replcement, transport and Planting	111+111	370	1320	1690
(c)	Natural fertilizer (neem cake / caster cake) etc	Rs. 10/plants	0	13560	13560
(d)	Support watering 3 times @ 5.30		11150	14325	25475
(e)	Protection / tending operation		5501	0	5501
Total for 2nd Year			30795	29205	60000
3rd Year					
(a)	2 weeding & soil working		13774	0	13774
(b)	10 % Casually Replcement, transport and	111	244	555	799
(b)	Planting,Natural fertilizer, neem cake etc.	Rs. 10/plants	0	14871	14871
(c)	Support watering 1 times @6		3968	4120	8088
(d)	Protection & maintenance of fencing / tending Operation	L.S	10319	0	10319
Total for 3rd year			28304	19546	47850
4thYear					
(a)	1 weeding & soilworking	L.S	6243	0	6243
(b)	Protection & Maintenance of fencing/ Tending operation		10318	0	10318
Total for 4th Year			16561	0	16561
5thYear					
	Protection & maintenance of fencing/ tending operation	L.S	8544	0	8544
Total for 5th Year			8544	0	8544
6thYear					
	Protection & maintenance of fencing/ tending operation	L.S	10074	0	10074
Total for 6th Year			10074	0	10074
7 th Year					
	Protection & maintenance of fencing/ tending operation	L.S	10487	0	10487
Total for 7th Year			10487	0	10487
8 th Year					
	Protection & maintenance of fencing/ tending operation	L.S	10973	0	10973
Total for 8th Year			10973	0	10973
9 th Year					
	Protection & maintenance of fencing/ tending operation	L.S	11180	0	11180
Total for 9th Year			11180	0	11180
10 th Year					
	Protection & maintenance of fencing/ tending operation	L.S	11329	0	11329
Total for 10th Year			11329	0	11329
Grand Total			270007	188823	458830
The Cost of Supervision/Subsequential Silvicultural operations		20%	54001	37765	91766
			324008	226588	550596


Note :

- (1) Seed sowing along fencing toward for 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

100 Plants each proposal (11*100=1100 plants/Ha)

Total Cost Rs. : 5,50,596/-


Deputy Conservator of Forests,
Baria