

Compensatory Afforestation Scheme for degraded area

Details scheme of Compensatory Afforestation as per van(sanrakshan evam samvardhan) Rules, 2023 pera.-13(4) in the following cases, cost of plantation of minimum 1111 plants Compensatory afforestation scheme area preferred as below.

Detailed scheme of Compensatory Afforestation for degraded area 2.00 ha. To be carried out in lieu of Compensatory Afforestation as per van(sanrakshan evam samvardhan) Rules, 2023 pera.-13(4) Of reserved forest land of Ahmedabad District.

1 Details of degraded land

Village	:	Navagam Karna
Taluka	:	Dholera
Range	:	Dholera
District	:	Ahmedabad
Division	:	Social Forestry Division Ahmedabad
Block/Patal, Compartment No.	:	Old Survey No. 100 Pt
Area to be afforested	:	2.00 ha. (1111 Per hectare plants)
Working Circle	:	Degraded Area Improvemnet Working Circle

2 Description of Area.

Soil type	Sandy Saline
Topography	Plain
Slope	Medium
Whether the area is bearing any root stock of Vegetation	Searce

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 Ahmedabad Social Forestry Division as early as a 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.780783 /- for 1111 plants per ha Compensatory Afforestation as per van(sanrakshan evam samvardhan) Rules, 2023 pera.-13(4)** 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	Specofications		
(a)	General Details	The C.A. will be taken under compensatory Afforestation for degraded Forest Areas. The prevailing wage rate is 462.00 per day.		
(b)	Spacement	3 X 3 mtr., 1111 plants per ha.		
(c)	Species to be planted (No. Of plants per ha.)	Salvadorapersica (Pilu)	581	Minimum Planting Hight 90 cm. & Girth as coller above 5 cm. at the time of planting
		Suaedanudiflpra (Utmorad)	530	
		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 45X 45 cms. Will be carred 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) Coutour 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.		
(h)	Protection Trench	a) Barbed wire fencing		
		B) Seed sowing of Pilu (Salvadorapersica) and Desi baval (Acacia nilotica.)		
(i)	Silvicultural Operations	1st year three weeding soil working, support watering will be provided if needed. 2nd year two weeding soil working. 3rd year one weeding soil working.		
(j)	Maintenance	It is proposed to maintain the Plantation up to ten years.		
(k)	Subsequent Silvicultural Operaation	Cleaning, cutback, 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%		

		<p>(iii) The result 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) 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)	Silvicultural & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.

(Dr. Priyanka Gehlot)

Deputy Conservator of Forest

Social Forestry Division

Ahmedabad

The Compensatory Afforestation scheme at the cost of **Rs. 1561566/- (1.35 Ha) (To be recovered Rs. 1561566/- For 1111 per ha plants from the user agency.)** is technically and administrative approved by the undersigned.

(Dr. Priyanka Gehlot)

Deputy Conservator of Forest

Social Forestry Division

Ahmedabad

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Model No - 3
Annexure -4 (1)

Compensatory Afforestation Scheme for double degraded area under FCA proposals

Dally wages Rs. 462.00

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 seedling =1333 seedling/ha.				
polypot size : 15 cm X 25 cm X 200				
Item of work	Qty.	labour	Matrrial	Total
1	2	3	4	5
0 Year				
Nursery				
(a) Cost of soil, manure, seeds, water, fartilliser, insecticides, implements, rent of land. Shade, etc. (including 10 % for casuality replacement)	1222	0	2724	2724
(b) labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222	6664	345	7010
(c) seedling cost for casuality replacement in one year old (20%)	222	2106	629	2735
(d) seedling cost for casuality replacement in two year old (10%)	111	1054	313	1367
Total		9824	4012	13836
2. Area Development (Land Preparation)				
(a) Survey, Cutback and promotion of root suckers		5008	0	5008
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	14460	0	14460
Total		19468	0	19468
(a) Natural fertilizer (Neem cake/castor cake)	1111 @ 5.00	0	14749	14749
Total		0	14749	14749
3.SMC Works				
(a) Check wall/ retainingwall/ checkdem/ (all pucca only)	L.S	17790	35314	53103
(b) Contour trench 2 M. X 45 Cm. X 30 Cm. As per Rs.17.00/rmt (300 trench)	600 rmt.	13541	0	13541
Total		31331	35314	66645
4.Protection				
(a) Barbed wire fencing (Including Fitting)	1.00 ha= 456 rmt.	0	175560	175560
(b) Seed sowing of Pilu (Salvadorapersica) and Desi baval (Acacia nilotica.)		1652	709	2360
Total		1652	176269	177920
Total for 0 year		62274	230344	292619

Item of work	Qty.	labour	Matrrial	Total
1st Year				
(a) Maintenance of nursery (April to june)	1222	5112	510	5622
(b) Transport of seedlinf o plantation	1111	2807	579	3386
(c) Planting with khamna of min 1 m. Doa	1111	8620	0	8620
(d) Transport & planting of seeding for casualty replacement	111	298	67	365
(e) 3 weeding cum soil working	1111	33600	0	33600
(f) Support watering 5 times @ 3.25		21478	30819	52297
(g) Protection /tending operation		6952	0	6952
(h) Tending to natural vegetation		1738	0	1738
(i) Contigency		0	1738	1738
Total for 1st year		80605	33713	114318
2nd Year				
(a) 2 Weeding & soil working		18661	0	18661
(b) 20% Casually replcement, transport and planting	111+111	314	1563	1876
(c) Natural fertilizer (Neem cake/castor cake) etc.	Rs.5/Plant	0	17431	17431
(d) Support watering 5 times @ 3.25		13958	20033	33990
(e) Protection /tending operation		7531	0	7531
Total for 2nd year		40464	39026	79490
3rd Year				
(a) 2 Weeding & soil working		20097	0	20097
(b) 10% Casually replcement, transport and planting	111	169	841	1010
(c) Natural fertilizer Neem cake etc.	Rs.5/Plant	0	18772	18772
(d) Support watering 5 times @ 3.25		5012	7191	12203
(e) Protection & maintenance of fancing / tanding operation	L.S	10138	0	10138
Total for 3rd year		35415	26805	62220
4th Year				
(a) 2 Weeding & soil working		10764	0	10764
(b) Protection & maintenance of fancing / tanding operation	L.S	10862	0	10862
Total for 4th year		21626	0	21626
5th Year				
Protection & maintenance of fancing / tanding operation	L.S	11586	0	11586
Total for 5th year		11586	0	11586
6th Year				
Protection & maintenance of fancing / tanding operation	L.S	12310	0	12310
Total for 6th year		12310	0	12310

Item of work	Qty.	labour	Matrrial	Total
7th Year				
Protection & maintenance of fancing / tanding operation	L.S	13034	0	13034
Total for 7th year		13034	0	13034
8th Year				
Protection & maintenance of fancing / tanding operation	L.S	13759	0	13759
Total for 8th year		13759	0	13759
9th Year				
Protection & maintenance of fancing / tanding operation	L.S	14483	0	14483
Total for 9th year		14483	0	14483
10th Year				
Protection & maintenance of fancing / tanding operation	L.S	15207	0	15207
Total for 10th year		15207	0	15207
Sub Total:		320764	329888	650652
The cost of supervision / subsequental silvicultureal operations	20%	64153	65978	130130
Grand Total:		384917	395866	780783

Note:

- 1 Seed sowing along fencing towards the inner side, and also in the plot.

Compensatory Afforestation will be done in 1.00 ha. Area.

Total Cost Rs. 7,80,783/-

Compensatory Afforestation for degraded area 1.00 ha.	Total Ha.	1.00 Ha. Rs.	Total Rs.
	1.00	780783	780783
For 1111 Per hectare plants	2.00	1561566	

Compensatory Afforestation Total cost Rs. 1561566/-

(Dr. Priyanka Gehlot)
Deputy Conservator of Forest
Social Forestry Division
Ahmedabad

o/c
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Details scheme of Compensatory Afforestation as per van(sanrakshan evam samvardhan) Rules, 2023 para.-13(4) in the following cases, cost of plantation of minimum 1111 plants Compensatory aforestation scheme area preferred as below.

Not Applicable

Place: Ahmedabad

(Dr. Priyanka Gehlot)

Deputy Conservator of Forest
Social Forestry Division
Ahmedabad

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Check list No.21

Details scheme of Compensatory Afforestation as per van(sanrakshan evam samvardhan) Rules, 2023 para-13(4) in the following cases, cost of plantation of minimum 1111 plants Compensatory afforestation scheme area preferred as below.

CERTIFICATE

I under signed here by Certify that the area of degraded forest land of 2.00 Ha. of Dholera Range, Forest Survey no 100 pt, Village- Navagam Karna is good & suitable for Compensatory Afforestation.

Place: Valsad

(Dr. Priyanka Gehlot)
Deputy Conservator of Forest
Social Forestry Division
Ahmedabad

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