

Annexure-19

89

Compensary Afforestation Scheme for Non Forest area

Details Scheme of Compensatory Afforestation to be carried out in lieu of Diversion of 15.50 ha. reserve forest land for construction of Railway line between Bhimnath to Dholera Special investment Region (DSIR) in the State of Gujarat

PLANTATION MODEL : R-2

Additional Information

1. Details of Non Forest land.

Village	Gogala
Taluka	Dholera (Old Dhandhuka)
Range	Dholera
District	Ahmedabad
Division	Social Forestry Division Ahmedabad
Block/ Patal, Compartment No.	400,401 and 404
Area to be afforested	15.50 Ha.
Working circle	Non Forest area

2. Description of Area.

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

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

Daily / Wages- Rs. 441.00

Year	Area (ha.)	Rate /Ha	Total Amount
0 year (70%)	15.50	126820	1965713
-0.3	15.50	54352	842448
Current Year (30%)(Fertilizer & with watering	15.50	257721	3994669
2 nd Year	15.50	206628	3202739
3 rd Year	15.50	177127	2745472
4 th Year	15.50	21773	337475
5 th Year	15.50	9945	154150
6 th Year	15.50	9945	154150
7 th Year	15.50	9235	143140
8 th Year	15.50	9235	143140
9 th Year	15.50	9235	143140
10 th Year	15.50	8524	132129
Total		900540	13958365
Supervision Charge 20%	15.50	180108	2791673
Grand Total		1080648	16750038

Compensatory Afforestation will be done in 15.5 Ha. Area

The Total Afforestation cost will be Rs. 16750038

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Non Forest area

91

4. Schedule of Plantation Programme:-

(i) The Compensatory Afforestation on Non Forest area would be started by Dy.Conservator of Forest Ahmadabad Division as early as possible after the proposal is formally approved.

(ii) Compensatory Afforestation will be done in 15.50 ha.area. The total afforestation cost will be about **Rs.1,67,50,038/-** DHOLERA SPECIAL INVESTMENT REGIONAL DEVELOPMENT AUTHORITY 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 plantation will be taken under Compensatory		
		Afforestation for double land on Non Forest areas, The daily wage rate is calculated at 441/-		
b	Spacement	3 X 3 mtr., & 3 X 6, 1666 plants per ha.		
c	Species to be planted (No. of plants per ha.)	Slovadora Persica (Pilu)	1100	Minimum planting height will be 100 cm. & girth at collar above 5 c.m. at the time of planting. However it will vary for different species.
		Suaedanudiflpra (Utmorad)	516	
		Thespesia Populnea (Paras Pipal)	50	
		Total	1666	
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) Sapartenches 0.45 x0.45 x 21.00m No.60 ha. Will be dug along the contour line.		
		(ii) Van Talavadi/ Percolation tank		
		(iii) Earthen bund towards seaside to restrict seawater during high tide		
h	Protection Trench	Tranch fencing 120x60x60 Cm, Seed Sowing on the heaped		
i	Silvicultural Operations	1 st year 20 % casualty replacement and watering. Maintains of Three weeding soil working Support watering will be provided five times.		
		2 nd year two weeding soil working. 10%		
		Casualty replacement Support watering will be provided four times.		
		3 rd year one weeding soil working. Support watering will be provided three times.		
j	Maintenance	It is proposed to maintain the Plantation up to ten years.		

Sr. No.	Details	Specifications
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.
m	Regeneration cleaning	(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 Suaedanudi flora.
		(vi) Bamboo would be of the harvestable size by the end of 4 th year.
		(vii) Third party monitoring mechanism as is vaugein the state.
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.

(Dr. Priyanka Genlot)
Dy. Conservator of Forests
Social Forestry Division
Ahmedabad

The Compensatory Afforestation scheme at the cost of Rs.1,67,50,038/- is technically and administrative approved by the undersigned.

(Dr. Priyanka Genlot)
Dy. Conservator of Forests
Social Forestry Division
Ahmedabad

95

**Details Scheme of Compensatory Afforestation to be carried out in lieu of Diversion of 15.50 ha.
reserve forest land for construction of Railway line between Bhimnath to Dholera Special
investment Region (DSIR) in the State of Gujarat**

PLANTATION MODEL : R-2

Daily wages Rs. 441.00

Spacements = 3 m x 3 m for tree species & 6 m x 3 m for (quinqutial) shrub species				
1666 seedling / Ha				
1st year replacement 20 % = 1999 seedling /ha				
2nd year replacement 20 % = 1666+333 seedling /ha				
Total Seedlings = 2000 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) Raising of seedling in 15x25x200 size polypors up tp March, cost of containers, soil, Manure, seeds, water, fertilizer, insecticide, implementation rent of land etc.	1999	4100	8658	12758
(b) Filling and arranging of bags,Preparation of beds, showing of seeds, watering shifting, weeding etc.	1999	9835	0	9835
(c) Purchase of seeds grass herbs and preparation of grass fellets.	1999	275	366	640
Total	0	14210	9024	23234
2. Area Development (Land Preparation)				
leangth saper trench (21x21Rmt) 42x42 & 44x44 Rmt double time @ 21.60 widh 45x30 cm depth	1800 Rmt	55239	0	55239
Van Talavadi	35000/ha.	49726	0	49726
Digginig of pits @ 5.15	1666	12190	0	12190
45 cm x 30 cm x 42 m seed Sowing on saper trench	2000/ha.	1137	1705	2841
contingency	965/ha.	1378	0	1378
Total		119670	1705	121375
(a) Gipsam fertilizer	2000/ha.	710	2131	2841
Total		710.37037	2131.11	2841.4815
Sub Total		120381	3836	124216
3. Protection				
(a) Trench fencing (120x60x100 C.M.) @ 77.45	300 Rmt/ha.	33011	0	33011
(b) Seed sowing	500 ha.	284	426	710
Total		33295	426	33722
Sub Total of 0 Year		167886	13286	181172
1st Year				
(a) 30 x Maintenance of seedling from April to June	1999	994	284	1278
(b) Transport of seedling for plantation	1999	7949	5683	13632
(c) Planting with khamna of Min 1 m dia	1666	9113	0	9113
(d)Transport of seediling for casualty replacement	333	1559	710	2270
(e) 3 weeding cum soil working	1666	10131	0	10131
(f) Support watering 5 times @ 3.25		127867	85244	213111
(g) Protection / tending operation		6553	0	6553

(97)

(h) Contingency		0	1633	1633
Total for 1st year		164166	93555	257721
2nd Year				
(a) 2 weeding & soil working		17854	0	17854
(b) 20 % Casually replcement, transport and planting	333	297	1479	1776
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	16510	16510
(d) Support watering 3 times @ 3.25		102293	68196	170489
(e) Protection / tending operation		0	0	0
Total for 2nd year		120444	86184	206628
3rd Year				
(a) 2 weeding & soil working		18844	0	18844
(b) 10 % Casually replcement, transport and planting	111	159	797	957
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	18094	18094
(d) Support watering 3 times		76720	51147	127867
(e) Protection & maintenance of fencing / tending operation	L.S.	11366	0	11366
Total for 3rd year		107090	70038	177127
4thYear				
(a) 1 weeding & soil working		10407	0	10407
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	11366	0	11366
Total for 4th year		21773	0	21773
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9945	0	9945
Total for 5th year		9945	0	9945
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9945	0	9945
Total for 6th year		9945	0	9945
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9235	0	9235
Total for 7th year		9235	0	9235
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9235	0	9235
Total for 8th year		9235	0	9235
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9235	0	9235
Total for 9th year		9235	0	9235
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8524	0	8524
Total for 10th year		8524	0	8524
SUB TOTAL :		637477	263063	900540
The Cost of Supervision/subsequential silvicultureal Operations	20%	127495	52613	180108
		764972	315675	1080648

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 15.5 ha. Area.
The Total afforestation cost will be Rs. 1,67,50,038/-

Total Cost Rs. : 16750038

(Dr. Priyanka Gahlot)
Dy. Conservator of Forests
Social Forestry Division
Ahmedabad

Annexure – 20**Certificate from the DCF, that non forest land selected for Compensatory Afforestation.**

This is to Certified that non forest land of Survey No. 400,401 and 404 of village : Gogala Tal. Dholera proposed for Compensatory Afforastation against diversion of forest land of RF Survey No-414 pt (old) of at Village : Otaria Tal. Dholera Dist. Ahmedabad This is identified and found suitable for afforestation.

Date: 30/06/2023

Place: Ahmedabad

(Dr. Priyanka Gehlot)
Dy. Conservator Of Forest
Social Forestry Division
Ahmedabad

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101

ANNEXURE-21

Suitability Certificate form Divisional Forest Officer that the land identified for Compensatory afforestation is Suitable for raising plantation.

CERTIFICATE

This is to Certify that I have visited the offered land at Gogala Village S.Y NO-400.401 and 404 ta.Dholera, Dist-Ahmedabad 15.50 Ha on Date- 05/ 06 /2023 being offered and found that land is suitable for Compensatory afforestation this land Said to be Proposed to be purchased for the said purpose by DHOLERA SPECIAL INVESTMENT REGIONAL DEVELOPMENT AUTHORITY to be given Forest Department is Said to be under Process...

Place-Ahmedabad
Date- 30/06/2023

(Dr. Priyanka Gehlot)
Dy. Conservator of Forests
Social Forestry Division
Ahmedabad

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