

Compensatory Afforestation Scheme for double degraded forest area

Diversion of 22.49 ha Protected Forest land for The Project of Widening to four Lane of S.H.No-04 Sarkhej-Dholka k.m.16/800 to 39/600 Range-Dascroi, Dholka Taluka:Dascroi, Dholka, District: Ahmedabad, State:Gujarat

Additional Information**1. Details of degraded land.**

Village	Navagam (Karna)
Taluka	Dholera
Range	Dholera
District	Ahmedabad
Division	Social Forestry Ahmedabad
Reserved Forest Survey No..	61 Pt
Area to be afforested	45.00 Ha (50.00 ha)
Working circle	Degraded Area Improvement 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

Details of Year Wise Break-Up requirement of fund is as under**Daily / Wages-Rs.307.90**

Year	Area (ha)	Rate /ha	Total Amount
0 Year (70%)	45.00	84982	3824205
(30%)	45.00	36421	1638945
Current Year (30%) (Gypsum & With Watering L.S.	45.00	45204	2034167
Watering	45.00	166000	7470000
2nd Year	45.00	25888	1164977
Watering	45.00	140000	6300000
3rd Year	45.00	16656	749529
Watering	45.00	120000	5400000
4th Year	45.00	16954	762921
5th Year	45.00	18085	813812
6th Year	45.00	15091	679093
7th Year	45.00	5918	266324
8th Year	45.00	6248	281164
9th Year	45.00	6576	295931
10th Year	45.00	6904	310699
Total		710928	31991767
Supervision Charge 20 %	45.00	142186	6398353
Total		853114	38390120

Compensatory Afforestation will be done in 45.00 ha. Area. The total afforestation cost will be Rs.3,83,90,120/-

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 S.F.Ahmedabad Division as Soon after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 45.00 ha. Area. The total afforestation cost will be about Rs.3,83,90,120/- Executive Engineer, R&B Division,Ahmedabad 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:-

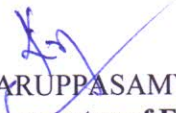
Technical details of Compensatory Afforestation are as Follows:

Sr. No.	Details	Specifications									
a	General Details	The Plantation will be taken under Compensatory Afforestation for double land on degraded Forest Areas. The daily Wage rate is calculated at 307.90/-.									
b	Spacement	3 X 3 mtr.& 3 X 6 , 1666 plants per ha.									
c	Species to be planted (No. of plants per ha.)	<table border="1"> <tr> <td><i>Salvadora persica</i> (Pilu)</td><td>1100</td><td rowspan="4">Minimum planting height 100 cm.& girth at collar above 5 c.m. at the time of planting. However it will vary for different species.</td></tr> <tr> <td><i>Suaeda nudiflora</i> (Ut morad)</td><td>516</td></tr> <tr> <td><i>Thespesia populnea</i>(Paras Pipal)</td><td>50</td></tr> <tr> <td>Total</td><td>1666</td></tr> </table>	<i>Salvadora persica</i> (Pilu)	1100	Minimum planting height 100 cm.& girth at collar above 5 c.m. at the time of planting. However it will vary for different species.	<i>Suaeda nudiflora</i> (Ut morad)	516	<i>Thespesia populnea</i> (Paras Pipal)	50	Total	1666
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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) Sapar trenches 0.45 x 0.45 x 21.00 mNo. 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 120x60x60Cm, Seed sowing on the heaped soil									
i	Silvicultural Operations	1 st year 20 % Casuality replcement and Watering,Maintance 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.
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 Suaeda nudi flora. (vi) Third party monitoring mechanism as is in practise randomly The selected Plots are monitored by third Party.
m	Regeneration cleaning	Only cleaning.
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.


 (Dr. T. KARUPPASAMY)
 Deputy Conservator of Forest
 Social Forestry Division
 Ahmedabd

The Compensatory Afforestation scheme at the cost of Rs. 3,83,90,120 /- is technically and administrative approved by the undersigned.


 (Dr. T. KARUPPASAMY)
 Deputy Conservator of Forest
 Social Forestry Division
 Ahmedabd