

Annexure-19

MODEL No-3 Annexure-4(1)

Compensatory Afforestation Scheme for Non Forest Land area

Project of Widening and Strengthening of Tithal-Valsad-Dharampur road K.M. 0/0 to 31/4 (W/S 8/0 to 31/4) Ta. Dist. Valsad. (40.365 Ha.) Online Proposal No: FP/GJ/ROAD/152123/2022

Detailed scheme of Compensatory Afforestation for non forest land area 40.365 ha. to be carried out in lieu of 40.365 ha. of Forest land to be diverted in Valsad SF Forest Division.

1. Details of Non Forest land.

Village	Sheh
Taluka	Lakhapat
Range	Dayapar North
District	Kutch
Division	Kutch (West)
Block/ Patal, Compartment No.	S.No.8pt.
Area to be afforested	40.365 ha.

2. Description of Area.

Soil type	Murom & Hard Soil
Topography	Plain
Slope	Medium & Gentle
Whether the area is bearing any root stock of Vegetation	Yes

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Non Forest Area.

4. Schedule of Plantation Programme: -

(i)	The Compensatory Afforestation on non forest land area would be started by Dy. Conservator of Forest Kutch West Division as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 40.365 ha. area. The total afforestation cost will be about Rs.25,75,5,575/- Executive Engineer, R&B, Division, Valsad 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 Non Forest land areas. The prevailing wage rate is 476 per day.													
b	Spacement	3 X 3 mtr., 1111 plants per ha.													
c	Species to be planted (No. of plants per ha.)	<table border="1"> <tr> <td>Gundi</td><td>100</td><td rowspan="6">Minimum planting height will be 30 cm. at the time of planting. However it will vary for different species.</td></tr> <tr> <td>Pilu</td><td>100</td></tr> <tr> <td>Bordi</td><td>300</td></tr> <tr> <td>Desi baval</td><td>411</td></tr> <tr> <td>Neem</td><td>200</td></tr> <tr> <td>Total</td><td>1111</td></tr> </table>	Gundi	100	Minimum planting height will be 30 cm. at the time of planting. However it will vary for different species.	Pilu	100	Bordi	300	Desi baval	411	Neem	200	Total	1111
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Pilu	100														
Bordi	300														
Desi baval	411														
Neem	200														
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 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 Pillu, Desi baval ...etc. will be planted during monsoon in the upper side of nala as per suitability.													
h	Protection Trench	Barbed wire fencing, Protection Trench, Seed sowing And planting of cuttings of Ipomea/ Glarcidia along the trench.													
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	(i) A plantation register is to be maintained.													

	mechanism	<p>(ii) Monitoring is to be done as per the following norms.</p> <p>Forester – 100%</p> <p>RFO – 100%</p> <p>ACF – 20%</p> <p>DCF – 10%</p> <p>(iii) The results of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of November 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	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.

(H.J.Chaudhary)
Sanctuary Superintendent
Kutch West Division, Bhuj


(Y. S. Jhala)
Dy Conservator of Forest
Kutch West Division, Bhuj

The Compensatory Afforestation scheme at the cost of Rs.25,75,5,575/- is technically and administrative approved by the undersigned.


(Y. S. Jhala)
Dy Conservator of Forest
Kutch West Division, Bhuj

As per APCCF, Land, Gandhinagar letter dated: 18/11/2019 & 27/11/2019

MODEL No-3 Annexure-4(I)

Project of Widening and Strengthening of Tithal-Valsad-Dharampur road K.M. 0/0 to 31/4 (W/S 8/0 to 31/4) Ta.
Dist. Valsad. (40.365 Ha.) Online Proposal No:FP/GJ/ROAD/152123/2022

(Compensatory Afforestation Scheme for Non Forest Land area)

Daily wages Rs. 476

Spacings = 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 cm

Item of work 1	Qty. 2	Labour 3	Material 4	Total 5
0 year				
Nursery				
(a) Cost of soil, manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casualty replacement)	1222	0	2594.95	2594.95
(b) labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222			
(c) Seedling cost for casualty replacement in one year old (20%)	222	6242.22	313.79	6556.01
(d) Seedling cost for casualty replacement in two year old (10%)	111	1972.14	572.07	2544.21
Total		9201.67	3765.64	12967.31
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		4690.37	0.00	4690.37
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111	26441.8	0.00	26441.80
Total		31132.17	0.00	31132.17
(a) Natural fertilizer (Neem cake/ Castor cake)	L.S.	0.00	13408.62	13408.62
Total		0.00	13408.62	13408.62
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	16662.49	32103.45	48765.94
(b) Contour trench 2 M x 45 Cm x 30 Cm (300 trench)	L.S.	23800	0.00	23800.00
Total		40462.49	32103.45	72565.94
4. Protection				
(a) Barbed wire fencing length 2550 meter for 40.365 Ha. so average length per 1 ha. is round figer 64 meter (Tentative Fencing Rate Per 1 Runnig meter is Rs 450)	L.S.	0	28800.00	28800.00
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1546.88	644.48	2191.36
Total		1546.88	29444.48	30991.36
Total		82343.21	78722.19	161065.40
Sub Total of 0 year				
1st Year	1222	4389.45	424.83	4814.28
(a) Maintenance of nursery (April to June)	1111	2638.18	482.76	3120.94
(b) Transport of seedling for plantation	1111	6596.00	0.00	6596.00
(c) Planting with khamna of Min 1 m dia	111	1694.60	55.52	1750.12
(d) Transport of seedling for casualty replacement	1111	18347.05	0.00	18347.05
(e) 3 weeding cum soil working		14390.1	25682.76	40072.86
(f) Support watering 5 times		5968.65	0.00	5968.65
(g) Protection / tending operation		1492.16	0.00	1492.16
(h) Tending to natural vegetation		0	1448.28	1448.28
(i) Contingency		55516.19	28094.14	83610.33
Total for 1st year				
2nd Year				

(a) 2 weeding & soil working		15469.35	0.00	15469.35
(b) 20 % Casually replcement, transport and planting	111+111	3390.29	482.76	3873.05
(c) Natural fertilizer (neem cake / caster cake) etc.	L.S.	0	13408.62	13408.62
(d) Support watering 3 times		8634.06	15409.66	24043.72
(e) Protection / tending operation		5968.65	0.00	5968.65
Total for 2nd year		33462.35	29301.04	62763.39
3rd Year				
(a) 2 weeding & soil working		15469.35	0.00	15469.35
(b) 10 % Casually replcement, transport and planting	111	1694.6	601.03	2295.63
(c) Natural fertilizer, neem cake etc.	L.S.	0	13408.62	13408.62
(d) Support watering 1 times		2878.02	5136.55	8014.57
(e) Protection & maintenance of fencing / tending operation	L.S.	7460.82	0.00	7460.82
Total for 3rd year		27502.79	19146.21	46649.00
4thYear				
(a) 1 weeding & soil working		8873.89	0.00	8873.89
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7460.82	0.00	7460.82
Total for 4th year		16334.71	0.00	16334.71
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7460.82	0.00	7460.82
Total for 5th year		7460.82	0.00	7460.82
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7460.82	0.00	7460.82
Total for 6th year		7460.82	0.00	7460.82
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7460.82	0.00	7460.82
Total for 7th year		7460.82	0.00	7460.82
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7460.82	0.00	7460.82
Total for 8th year		7460.82	0.00	7460.82
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7460.82	0.00	7460.82
Total for 9th year		7460.82	0.00	7460.82
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7460.82	0.00	7460.82
Total for 10th year		259924.17	155263.58	415187.75
Grand Total :				

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.

(H.J. Chaudhary)
Sanctuary Superintendent
Kutch West Division, Bhuj

(Y.S. Jhala)
Dy. Conservator of Forests
Kutch West Division, Bhuj


Date :- 13/09/2024
Place:- Bhuj - Kutch

Project of Widening and Strengthening of Tithal-Valsad-Dharampur road K.M. 0/0 to 31/4 (W/S 8/0 to 31/4) Ta. Dist. Valsad, (40.365 Ha.) Online Proposal
No:FP/GJ/ROAD/152123/2022

Increased by 10% / year with 20 % add Supervision charge of Rate Structure for Compensatory Afforestation for the Year 2024-25

Daily Wage : Rs.		476.00																		Grand Total
Sr. No.	MODEL No.	Rate/ha.	0 Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	Total	20% Add					
1	2	3	4	6	7	8	9	10	11	12	12	14	15	16	17	18				
1	MODEL No-3 Annexure-4(1)	A	Normal Rate	83610.33	62763.39	46649.00	16334.71	7460.82	7460.82	7460.82	7460.82	7460.82	7460.82	415187.75	83037.55	498225.30				
2		B	Increased by 10% / year	100332.40	81592.41	65308.60	24502.07	11937.31	12683.39	13429.48	14175.56	14921.64	15667.72	531722.51	106344.50	638067.01				


(H.J. Chaudhary)
Sanctuary Superintendent
Kutch West Division, Bhuj


(Y.S. Jhala)
Dy. Conservator of Forest
Kutch West Division, Bhuj

Date :- 23/09/2024
Place:- Bhuj - Kutch