

Annexure-19

MODEL No-3 Annexure-4(1)

Compensatory Afforestation Scheme for Non Forest Land area

Diversion of 39.14 Ha Forest Land for the Project of "Widening/ Up-gradation of Waghai- Shamghan Section (From Km 59+600 To Km 103+300) of Chikhli-Saputara Road (SH-15) to 4-Laning with Paved Shoulders in Taluka-Waghai & Ahwa, District-Dang, State-Gujarat. Online Proposal No. FP/GJ/Road/155097/2022

Detailed scheme of Compensatory Afforestation for non forest land area 39.14 ha. to be carried out in lieu of 39.14 ha. of Forest land to be diverted in Dang South 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.6pt.
Area to be afforested	39.14 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: -

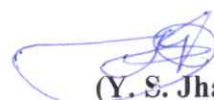
(i)	The Compensatory Afforestation on non forest land area would be started by Dy. Conservator of Forest Kutch West Division as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 39.14 ha. area. The total afforestation cost will be about Rs.2,53,69,179/- R&B Division,(State) Dang 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> <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.													

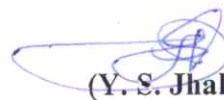
k	Subsequent silvicultural Operation	Cleaning, cutbacks, thinning etc. (as per species specific requirement) will be carried out at the age as per prescribed in the working plan.
l	Proposed monitoring mechanism	<p>(i) A plantation register is to be maintained.</p> <p>(ii) Monitoring is to be done as 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.



(Y. S. Jhala)

Dy Conservator of Forest
Kutch West Division, Bhuj

The Compensatory Afforestation scheme at the cost of Rs.2,53,69,179/- 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

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Diversion of 39.14 Ha Forest Land for the Project of "Widening/ Up-gradation of Waghai- Shamghan Section (From Km 59+600 To Km 103+300) of Chikhli- Saputara Road (SH-15) to 4-Laning with Paved Shoulders in Taluka-Waghai & Ahwa, District-Dang, State-Gujarat.
Online Proposal No. FP/GJ/Road/155097/2022

(Compensatory Afforestation Scheme for Non Forest Land area)

Daily wages Rs. 476

Spacemts = 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	Qty.	Labour	Material	Total
1	2	3	4	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	6242.22	313.79	6556.01
(c) Seedling cost for casualty replacement in one year old (20%)	222	1972.14	572.07	2544.21
(d) Seedling cost for casualty replacement in two year old (10%)	111	987.31	284.83	1272.14
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 3150 meter for 39.14 Ha. so average length per 1 ha. is round figer 81 meter (Tentative Fencing Rate Per 1 Runnig meter is Rs 450)	L.S.	0	36450.00	36450.00
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1546.88	644.48	2191.36
Total		1546.88	37094.48	38641.36
Sub Total of 0 year		82343.21	86372.19	168715.40
1st Year				
(a) Maintenance of nursery (April to June)	1222	4389.45	424.83	4814.28
(b) Transport of seedling for plantation	1111	2638.18	482.76	3120.94
(c) Planting with khamna of Min 1 m dia	1111	6596.00	0.00	6596.00
(d) Transport of seedling for casualty replacement	111	1694.60	55.52	1750.12
(e) 3 weeding cum soil working	1111	18347.05	0.00	18347.05
(f) Support watering 5 times		14390.1	25682.76	40072.86
(g) Protection / tending operation		5968.65	0.00	5968.65
(h) Tending to natural vegetation		1492.16	0.00	1492.16
(i) Contingency		0	1448.28	1448.28
Total for 1st year		55516.19	28094.14	83610.33
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 replacement, 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		7460.82	0.00	7460.82
Grand Total :		259924.17	162913.58	422837.75

Note :-

- (1) Seed sowing along fencing towards the inner side, and also in the plot.
- (2) Planting of cutting of ipomea//Glarcidia along the fencing towards outer side.



(Y.S. Jhala)

Dy.Conservator of Forests
Kutch West Division, Bhuj

Date :- 07/02/2025

Place:- Bhuj - Kutch

Division of 39.14 Ha Forest Land for the Project of "Widening/ Up-gradation of Waghai- Shamghan Section (From Km 59+600 To Km 103+300) of Chikhli-Saputara Road (SH-15) to 4-Laning with Paved Shoulders in Taluka-Waghai & Ahwa, District-Dang, State-Gujarat.
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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														
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	Grand Total	
1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	18	
1	MODEL No-3	A	Normal Rate	168715.40	83610.33	62763.39	46649.00	16334.71	7460.82	7460.82	7460.82	7460.82	7460.82	422837.75	84567.55	507405.30	
2	Annexure-4(1)	B	Increased by 10% / year	185586.94	100332.40	81592.41	65308.60	24502.07	11937.31	12683.39	13429.48	14175.56	14921.64	540137.51	108027.50	648165.01	

Date :- 07/02/2025
Place:- Bhuj - Kutch



(Y.S. Jhala)

Dy. Conservator of Forest
Kutch West Division, Bhuj