

Annexure-19

MODEL No-3 Annexure-4(1)

Compensatory Afforestation Scheme for Non Forest Land area

Diversion of 2.60 ha. Protected Forest land of Village Bhirandiyara Ta.Bhuj Dis.Kutch for Construction of 66kv Substation, Approach Road and 66 kv overhead Transmission line in kutch district in favour of Gujarat Energy Transmission Corporation Ltd. (GETCO) Anjar..

Detailed scheme of Compensatory Afforestation for non forest land area 2.60 ha. to be carried out in lieu of 2.60 ha. of Banni Protected forest land to be diverted in Kutch district.

1. Details of Non Forest land.

Village	Traya
Taluka	Mandvi
Range	Mandvi
District	Kutch
Division	Kutch (West)
Block/ Patal, Compartment No.	S.No.19pt.
Area to be afforested	2.60 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: -

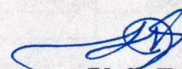
(i)	The Compensatory Afforestation on non forest land area would be started by Dy. Conservator of Forest Kutch West Division as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 2.60 ha. area. The total afforestation cost will be about Rs.15,60,898/- Executive Engineer , Gujarat Energy Transmission Corporation Ltd. (GETCO) Anjar 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 355.30 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>211</td><td rowspan="7">Minimum planting height will be 30 cm. at the time of planting. However it will vary for different species.</td></tr> <tr> <td>Gugal</td><td>250</td></tr> <tr> <td>Pilu</td><td>225</td></tr> <tr> <td>Khijado</td><td>150</td></tr> <tr> <td>Desi baval</td><td>175</td></tr> <tr> <td>Neem</td><td>100</td></tr> <tr> <td>Total</td><td>1111</td></tr> </table>	Gundi	211	Minimum planting height will be 30 cm. at the time of planting. However it will vary for different species.	Gugal	250	Pilu	225	Khijado	150	Desi baval	175	Neem	100	Total	1111
Gundi	211	Minimum planting height will be 30 cm. at the time of planting. However it will vary for different species.															
Gugal	250																
Pilu	225																
Khijado	150																
Desi baval	175																
Neem	100																
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, 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	Cleaning, cutbacks, thinning etc. (as per species specific															

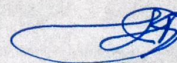
	silvicultural Operation	requirement) will be carried out at the age as per prescribed in the working plan.
l	Proposed monitoring mechanism	<p>(i) A plantation register is to be maintained.</p> <p>(ii) Monitoring is to be done as per the following norms.</p> <p>Forester – 100%</p> <p>RFO – 100%</p> <p>ACF – 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

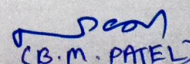
The Compensatory Afforestation scheme at the cost of **Rs.15,60,898/-** is technically and administrative approved by the undersigned.



(Y. S. Jhala)

Dy Conservator of Forest
Kutch West Division, Bhuj

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



Deputy Conservator of Forest
Banni Grassland Division
Bhuj-Kachchh.

MODEL No-3 Annexure-4(1)

Diversion of 2.60 ha. Protected Forest land of Village Bhirandiyara Ta.Bhuj Dis.Kutch for Construction of 66kv Substation, Approach Road and 66 kv overhead Transmission line in kutch district in favour of Gujarat Energy Transmission Corporation Ltd. (GETCO) Anjar

(Compensatory Afforestation Scheme for Non Forest Land area)

Daily wages Rs. 355.30

Spacemnts = 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

Item of work	Qty.	Labour	Material	Total
1	2	3	4	5
0 year				
Nursery				
(a) Cost of soil, ,manure, seeds, water, fertilizier, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casualty replacement)	1222	0.00	1904.59	1904.59
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	1222	4659.37	241.32	4900.69
(c) Seedling cost for casualty replacement in one year old (20%)	222	1472.06	439.95	1912.01
(d) Seedling cost for casualty replacement in two year old (10%)	111	736.96	219.05	956.01
Total		6868.39	2804.90	9673.29
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3501.02	0.00	3501.02
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45		12165.45	0.00	12165.45
Total		15666.47	0.00	15666.47
(a) Natural fertilizer (Neem cake/ Castor cake)	L.S.	0.00	10311.87	10311.87
Total		0.00	10311.87	10311.87
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	12437.36	24689.08	37126.44
(b) Contour trench 2 M x 45 Cm x 30 Cm (300 trench)		17565.00	0.00	17565.00
Total		30002.36	24689.08	54691.44
4. Protection				
(a) Barbed wire fencing 650 meter for 2.60 Ha. so average fencing length per ha. is 250 m (Rs 450 per m)	L.S.		112500.00	112500.00
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1154.63	495.64	1650.27
Total		1154.63	112995.64	114150.27
Sub Total of 0 year		53691.85	150801.49	204493.34
1st Year				
(a) Maintenance of nursery (April to June)	1222	3276.41	326.71	3603.12
(b) Transport of seedling for plantation	1111	1796.92	371.26	2168.18
(c) Planting with khamna of Min 1 m dia	1111	5526.27	0.00	5526.27
(d)Transport of seediling for casualty replacement	111	191.20	42.70	233.90
(e) 3 weeding cum soil working	1111	21533.33	0.00	21533.33
(f) Support watering 5 times		13764.63	19751.26	33515.89
(g) Protection / tending operation		4455.17	0.00	4455.17
(h) Tending to natural vegetation		1113.79	0.00	1113.79
(i) Contingency		0.00	1113.79	1113.79
Total for 1st year		51657.72	21605.73	73263.45
2nd Year				
(a) 2 weeding & soil working		11039.55	0.00	11039.55
(b) 20 % Casuality repacement, transport and planting	111+111	185.63	924.45	1110.08
(c) Natural fertilizer (neem cake / caster cake) etc.	L.S.	0.00	10311.87	10311.87

75

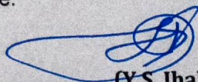
(d) Support watering 3 times		8256.92	11850.76	20107.68
(e) Protection / tending operation		4455.17	0.00	4455.17
Total for 2nd year		23937.27	23087.07	47024.34
3rd Year				
(a) 2 weeding & soil working		11039.55	0.00	11039.55
(b) 10 % Casually replcement, transport and planting	111	92.82	462.22	555.04
(c) Natural fertilizer, neem cake etc.	L.S.	0.00	10311.87	10311.87
(d) Support watering 1 times		2752.93	3950.25	6703.18
(e) Protection & maintenance of fencing / tending operation	L.S.	5568.97	0.00	5568.97
Total for 3rd year		19454.25	14724.34	34178.60
4thYear				
(a) 1 weeding & soil working		5518.84	0.00	5518.84
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	5568.97	0.00	5568.97
Total for 4th year		11087.81	0.00	11087.81
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	5568.97	0.00	5568.97
Total for 5th year		5568.97	0.00	5568.97
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	5568.97	0.00	5568.97
Total for 6th year		5568.97	0.00	5568.97
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	5568.97	0.00	5568.97
Total for 7th year		5568.97	0.00	5568.97
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	5568.97	0.00	5568.97
Total for 8th year		5568.97	0.00	5568.97
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	5568.97	0.00	5568.97
Total for 9th year		5568.97	0.00	5568.97
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	5568.97	0.00	5568.97
Total for 10th year		5568.97	0.00	5568.97
Grand Total :		193242.70	210218.64	403461.34

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.

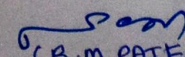
Date :- 22/03/2023

Place:- Bhuj - Kutch


(Y.S. Jhala)

Dy.Conservator of Forests
Kutch West Division, Bhuj

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

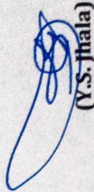

(B.M. PATEL)
Deputy Conservator of Forest
Banni Grassland Division
Bhuj-Kachchh.

Diversion of 2.60 ha. Protected Forest land of Village Bhirandiyara Ta. Bhuj Dis. Kutch for Construction of 66kv Substation, Approach Road and 66 kv overhead Transmission line in kutch district in favour of Gujarat Energy Transmission Corporation Ltd. (GETCO) Anjar

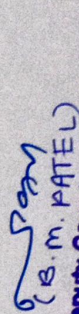
Increased by 10% / year with 20 % add Supervision charge of Rate Structure for Compensatory Afforestation for the Year 2023-24

Daily Wage : Rs.		355.30															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	5	6	7	8	9	10	11	12	14	15	16	17	18		
1	MODEL No-3	A	Normal Rate	204493.34	73263.45	47024.32	34178.60	11087.81	5568.97	5568.97	5568.97	5568.97	5568.97	403461.34	80692.27	484153.61		
2	Annexure-4(1)	B	Increased by 10% / year	224942.67	87916.14	61131.62	47850.04	16631.72	8910.35	9467.25	10024.15	11137.94	11694.84	500287.75	100057.55	600345.30		

Date :- 31/08/2023
Place:- Bhuj - Kutch


(V.S. Jhalal)

Dy. Conservator of Forest
Kutch West Division, Bhuj


(B.M. PATEL)
Deputy Conservator of Forest
Banni Grassland Division
Bhuj-Kutch.