

Scheme of Compensatory Afforestation

Detailed scheme of Compensatory Afforestation to be carried out in field of forest land to be diverted for to erect 220 KV Transmission line from Gadhsisha to Nirona for Windfarm project to supply electric power to PGCIL substation, Nirona at Kutch – Gujarat (Total diversion area: 0.21 Ha.)

(1) Details of Degraded-forest land.

District : Kachchh, Village : Versalpar
 Taluka : Nakhatrana
 Name of Forests Division : Kachchh(West), Range : Nakhatrana(East)
 Survey No.- 133/pt.
 Area to be afforested: **1.00 Ha.**

(2) Description of Area

Soil type: Black cotton with Murom
 Topography: undulating with gentle slop
 Whether the area is bearing any root stock or Vegetation : Yes

(3) Name of Plantation Programmed: Model-no.2 (1202 seeding/ha.)**(4) Schedule of plantation programme:**

The Compensatory Afforestation on degraded forest land would be started by Dy. Conservator of Forest Kachchh (West) Division, Bhuj-Kachchh (Gujarat) as early as possible after the proposal is formally approved.

Details of Year wise break-up of requirement of fund is as under :

Daily wages Rate Rs. 304.20/-

Year	Hectare	Rate (Rs.)	Amount (Rs.)
0 Year	1.00	123688	123688
1 st Year	1.00	46692	46692
2 nd Year	1.00	32674	32674
3 rd Year	1.00	26737	26737
4 th Year	1.00	11300	11300
5 th Year	1.00	7629	7629
6 th Year	1.00	8106	8106
7 th Year	1.00	8582	8582
8 th Year	1.00	9059	9059
9 th Year	1.00	9536	9536
10 th Year	1.00	10013	10013
Total		294016	294016
Supervision Charges 20 %	20%	58803	58803
Grand Total		352819	352819

The user Agency 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 :

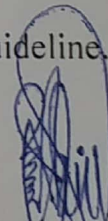
Technical details of Compensatory Afforestation are as follows.

- (a) General Details:
- (b) Spacement : 4.00 x 3.00 Mt.
- (c) Species : Gorad, Pilu, Guggal, Liyar, Desibavad, Bordi sps etc.
- (d) Nursery Technique : poly pot
- (e) Site Preparation : Digging of pits and SMC works.
- (f) Plantation Method : Ploughing and pits of 30cm
(Size of Pit, Ploughing etc.)
- (g) SMC Works : Vantalav, Checkdam, Countour Trench, Mati pada .
- (h) Protection : Trench fencing and live hedge.
- (i) Silvicultural Operations : Plantation with three soil and working
in first year with support watering
- (j) Maintenance :
- (k) Subsequent silvicultural Operations proposed such as clearing. Soil Working
cutbacks, thinning etc.(as per requirement)
- (l) Arrangement for people participations (if any) for long term sustenance of the
plantations.
Local support will take for protection
- (m) Proposed monitoring mechanism: - As per Department Guideline.

Technically sanctioned for Rs 3,52,819/- per ha.

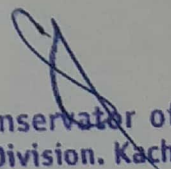


**Dy. Conservator of Forest
Kachchh West Division, Bhuj**



(B.J. Asari)

**Dy Conservator of Forest
Kachchh East Division, Bhuj.**



**Deputy Conservator of Forests
Extension Division. Kachchh Bhuj**

Checklist No :-19

F.C.A.-1980

To erect 220 KV Transmission line from Gadhsisha to Nirona for Windfarm project to supply electric power to PGCIL substation, Nirona at Kutch – Gujarat (Total diversion area: 0.21 Ha.)

Rate Structure for Compensatory Afforestation for the Year 2018-19

Daily Wage : Rs. 304.2

Sr. No.	R-2 MODEL	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	112444	38910	25134	19098	7533	4768	4768	4768	4768	4768	231727	46345	278072
2	Annexure-4(1)	B	Increase d by 10% / yr	123688	46692	32674	26737	11300	7629	8106	9059	9536	10013	294016	58803	352819

Date :- /09/2018

Place:- Bhuj-Kutch

(B.J.Asari)

Dy. Conservator of Forest
Kutch West Division, Bhuj.

Deputy Conservator of Forest
Extension Division, Kachchh -Bhuj

DA:- 15/10/18

PA:- Bhuj

Model No-2
Annexure-3(1)

Compensatory Afforestation Scheme for double degradation areas & NPV Plantations

Spacemnts = 4m x 3m

833+25=858 seedling/ Ha

1st Year replacement 10% = 86 seedlings/ha

2nd Year replacement 20% = 86+86 seedlings/ha

3rd Year replacement 10% = 86 seedlings/ha

Total Seedlings = 1202 seedling/ha

Polypot size: 20cmx30cm250g for 25 Deshi Mango seedlings and for the seedlings 15cmx25cmx200

Item of Work	Qty	Daily wages Rate Rs. 304.20/-		
		Labour	Material	
1	2			
0 Year				
Nursery				
(a) Cost of soil, manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc (including 10% for casualty replacement)	944	0	1260.347962	1260
(b) Labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering, shifting, weeding etc.	944	3083	176	3260
(c) Seedling cost for casualty replacement in one year old (20%)	172	977	291	1268
(d) Seedling cost for casualty replacement in one year old (10%)	86	490	145	634
Total		4550	1872	6423
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		2997	38	3036
(b) Alignment and digging of pits 0.45x0.45x0.45	833 @6.00	6489	0	6489
(c) Alignment and digging of pits 1mx1mx1m	25 @63.00	2503	0	2503
Total		11990	38	12028
(a) Natural fertilizer (Neen cake/ Castor cake)	658 @5.00	0	5165	5165
Total		0	5165	5165
3.SMC Works				
(a) Check wall/ retaining wall/ checkdam (all pucca only)	L.S	12238	24317	36555
(b) Contour trench 2Mx45Cmx30Cm as per Rs.17.00/ rmt (300 trench)	6000 rmt	16354	0	16354
Total		28592	24317	52909
4. Protection				
(a) Barbed wire fencing	L.S	3179	31787	34966
(b) Seed sowing and planting of cutting of Ipomea/ Glaricidia along the fence		636	318	954
Total		3814	32105	35919
Sub total of 0 year		48946	63497	112444
1st Year				
(a) Maintenance of nursery (April to june)	715	1492	149	1642
(b) Transport of seedling of plantation	650	901	186	1087
(c) Planting with khamna of Min 1m dia	650	2767	0	2767
(d) Transport of seedling of casualty replancement	65	97	21	118
(e) 3 weeding cum soil working	650	10787	0	10787
(f) Support watering 5 times @ 3.25		6402	10386	16788
(g) Protection/ tending operation		3814	0	3814
(h) Tending to natural vegetation		954	0	954
(i) Contingency		0	954	954
Total for 1st Year		27214	11696	38910
2nd Year				
(a) 2 Weeding & soild working		5529	0	5529
(b) 20% Casualty replacement, transport and planting	65+65	95	458	553
(c) Natural fertilizer (neem cake/ caster cake) etc	Rs.5/ plant	0	5165	5165
(d) Support watering 3 times @ 3.25		4102	5970	10072
(e) Protection/ tending operation		3814	0	3814
Total for 2nd Year		13541	11593	25134

Plam beach

Item of Work 1	Qty 2	Labour	Material	
3rd Year				
(a) 2 Weeding & soild working		5529	0	5529
(b) 10% Casualty replacement, transport and planting	65	48	229	277
(c) Natural fertilizer (neem cake/ caster cake) etc	Rs.5/ plant	0	5165	5165
(d) Support watering 3 times @ 3.25		1380	1979	3358
(e) Protection & maintenance of fencing/ tending operation	L.S	4768	0	4768
Total for 3rd year		11725	7373	19098
4th year				
(a) 1 Weeding & soil working		2765	0	2765
(b) Protection & Maintenance of fencing/ Tending operation	L.S	4768	0	4768
Total for 4th year		7533	0	7533
5th Year				
Protection & maintenance of fencing/ tending operation	L.S	4768	0	4768
Total for 5th year		4768	0	4768
6th Year				
Protection & maintenance of fencing/ tending operation	L.S	4768	0	4768
Total for 6th year		4768	0	4768
7th Year				
Protection & maintenance of fencing/ tending operation	L.S	4768	0	4768
Total for 7th year		4768	0	4768
8th Year				
Protection & maintenance of fencing/ tending operation	L.S	4768	0	4768
Total for 8th year		4768	0	4768
9th Year				
Protection & maintenance of fencing/ tending operation	L.S	4768	0	4768
Total for 9th year		4768	0	4768
10th Year				
Protection & maintenance of fencing/ tending operation	L.S	4768	0	4768
Total for 10th year		4768	0	4768
Grand Total		137568	94159	231727

Note:-

- (1) Seed sowing along fencing towards the inner side, and also in the plot
- (2) Planting of cutting of ipomea//Glaricidia along the fencing towards
- (3) Planting of 25 seedling of Deshi Mango in a pit size of 1mx1mx1m

(B.J.Asari)

Dy.Conservator of Forests
Kutch West Division, Bhuj.

Deputy Conservator of Forests
Extension Division, Kachchh -Bhuj