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ANNEXURE 19

Detailed Scheme for Compensatory Afforestation on identified non-forest area /degraded forest area at prevalent wage rate duly signed by DCF and counter signed by CCF/CF concerned. The CA schemes must include all the technical details, details of work schedule and total financial outlay.

TO BE PROVIDED BY FOREST DEPARTMENT


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

Place : Bhuj
Date: 05/07/2018

Scheme of Compensatory Afforestation

Detailed scheme of Compensatory Afforestation for non Forest areas to be carried out in field of forest land to be diverted for diversion of 2.6564 ha. of Forest land at Village Maldo & Kapurasi of Taluka Lakhpat, District Kutch (Gujarat) for Belt Conveyor Corridor of “Lakhpat Cement Works” proposed by Adani Cementation Limited.

(1) **Details of Non-forest land.**

District: Kachchh, Village: Khengarpar
 Taluka: Lakhapat
 Name of Forests Division: Kachchh (West), Range: Dayapar (North)
 Survey No. 4/Pt.
 Area to be afforested: **2.6564 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 (833+25=858 deeding/ha.)**

(4) **Schedule of plantation programme:**

The Compensatory Afforestation on non forest land would be started by Dy. Conservator of Forest Kachchh (West) Division, Bhuj. (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. 297.60

Year	Hectare	Rate	Amount
0 Year	2.6564	113031	300255.548
1 st Year	2.6564	73637	195609.327
2 nd Year	2.6564	51204	136018.306
3 rd Year	2.6564	40079	106465.856
4 th Year	2.6564	13931	37006.308
5 th Year	2.6564	7463	19824.713
6 th Year	2.6564	7930	21065.252
7 th Year	2.6564	8396	22303.134
8 th Year	2.6564	8863	23543.673
9 th Year	2.6564	9329	24781.556
10 th Year	2.6564	9796	26022.094
Total	---	343659	912895.767
Supervision Charges 20 %	20%	68731.80	182579.153
Grand Total		412390.80	1095474.92

*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 : Nim, Ber, Guggal, Cordia 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.
- (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.

(B.J. Asari)

Dy Conservator of Forest
Kachchh West Division, Bhuj.

Technically Sanctioned by Rs. 412390.80 per ha.


Dy. Conservator of Forest
Kachchh West Division, Bhuj

Checklist No :-19 C

Proposal for diversion of 2.6564 ha. of Forest land at Village Maldo & Kapurasi of Taluka Lakhpat, District Kutch (Gujarat) for Belt Conveyor Corridor of "Lakhpat Cement Works"
Proposed by Adani Cementation Limited.

Rate Structure for Compensatory Afforestation for the Year 2018-19

Daily Wage : Rs.		297.60																	
Sr. No.	Modal	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 1111 plant / ha.	A	Normal Rate	102755	61364	39388	28628	9287	4665	4665	4665	4665	4665	269410	53882	323292			
2		B	Increased by 10% / yrs	113031	73637	51204	40079	13931	7463	7930	8396	9329	9796	343659	68732	412391			



(B.J.Asari)

Dy.Conservator of Forest
Kutch West Division, Bhuj.

Date :- 03/07/2018

Place:- Bhuj-Kutch

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Model No-3
Annexure-4 (1)

Compensatory Afforestation Scheme for non Forest areas acquired under FCA Proposals

Spacements = 3m x 3m

1111 seedling

1st Year replacement 10% = 111 seedlings/ha

2nd Year replacement 20% = 111+111 seedlings/ha

3rd Year replacement 10% = 111 seedlings/ha

Total Seedlings = 1333 seedling/ha

Polypot size: 15 cm x 25 cm x 200

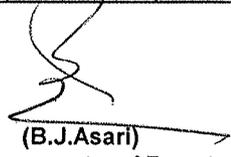
Item of Work	Qty	Labour	Material	Total	Labour	Material	Total
1	2	3	4	5	6	7	8
0 Year	as per daily wages Rs.191.40/-				as per daily wages Rs.297.60/-		
Nursery							
(a) Cost of soil, manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc (including 10% for casualty replacement)	1222	0	1026	1026	0.00	1595.29	1595.29
) Labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering, shifting, weeding etc.	1222	2510	130	2640	3902.70	202.13	4104.83
(c) Seedling cost for casualty replacement in one year old (20%)	222	793	237	1030	1233.00	368.50	1601.50
(d) Seedling cost for casualty replacement in one year old (10%)	111	397	118	515	617.28	183.47	800.75
Total		3700	1511	5211	5752.98	2349.39	8102.37
2. Area Development (Land Preparation)							
(a) Survey, cutback and promotion of root suckers		1886	0	1886	2932.46	0.00	2932.46
(b) Alignment and digging of pits 0.45x0.45x0.45	1111 @6.00	5446	0	5446	8467.76	0.00	8467.76
Total		7332	0	7332	11400	0.00	11400.23
(a) Natural fertilizer (Neen cake/ Castor cake)	1111 @5.00	0	5555	5555	0	8637.24	8637.24
Total		0	5555	5555	0	8637.24	8637.24
3.SMC Works							
(a) Check wall/ retaining wall/ checkdam (all pucca only)	L.S	6700	13300	20000	10417.55	20679.62	31097.18
(b) Contour trench 2Mx45Cmx30Cm as per Rs.17.00/ rmt (300 trench)	600 rmt	5100	0	5100	7929.78	0.00	7929.78
Total		11800	13300	25100	18347	20679.62	39026.96
4. Protection							
(a) Barbed wire fencing	L.S	2000	20000	22000	3109.72	31097.18	34206.90

6th Year							
Protection & maintenance of fencing/ tending operation	L.S	3000	0	3000	4664.58	0.00	4664.58
Total for 6th year		3000	0	3000	4664.58	0.00	4664.58
7th Year							
Protection & maintenance of fencing/ tending operation	L.S	3000	0	3000	4664.58	0.00	4664.58
Total for 7th year		3000	0	3000	4664.58	0.00	4664.58
8th Year							
Protection & maintenance of fencing/ tending operation	L.S	3000	0	3000	4664.58	0.00	4664.58
Total for 8th year		3000	0	3000	4664.58	0.00	4664.58
9th Year							
Protection & maintenance of fencing/ tending operation	L.S	3000	0	3000	4664.58	0.00	4664.58
Total for 9th year		3000	0	3000	4664.58	0.00	4664.58
10th Year							
Protection & maintenance of fencing/ tending operation	L.S	3000	0	3000	4664.58	0.00	4664.58
Total for 10th year		3000	0	3000	4664.58	0.00	4664.58
Grand Total		100629	72641	173270	156463.52	112945.92	269409.45

Note:-

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

as per letter on Dated- 29/11/2013 Scheme Model No.3 Anne.-4 (1)



(B.J.Asari)

Dy.Conservator of Forest
Kutch West Division, Bhuj.