

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

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*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 Lakhpatri, District Kutch (Gujarat) for Belt Conveyor Corridor of "Lakhpatri Cement Works"

Proposed by Adani Cementation Limited.

Rate Structure for Compensatory Afforestation for the Year 2018-19

Sr. No.	Modal	Daily Wage : Rs.		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
		2	3															
1	2		3	4	5	6	7	8	9	10	11	12	12	14	15	15	17	13
1	Model No.3 1111 plant / ha.		A	Normal Rate	102755	61364	39388	28628	9287	4565	4565	4565	4565	4565	4565	259410	53882	323292
2			B	Increased by 10% / yrs	113031	73637	51204	40079	13931	7463	7930	8396	8863	9329	9796	343659	68732	412391

(B.J.Asari)

Dy. Conservator of Forest
Kutch West Division, Bhuj.

[Signature]

Date :- 05/05/2018
Place:- Bhuj-Kutch

Model No-3
Annexure-4 (1)

Compensatory Afforestation Scheme for non Forest areas acquired under FCA Proposals

Spacemnts = 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
as per daily wages Rs.191.40/-				as per daily wages Rs.297.60/-			
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	1026	1026	0.00	1595.29	1595.29
(b) 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

(c) Seed sowing and planting of cutting of Ipomea/ Glaricidia along the fence		622	267	889	967.12	415.15	1382.27
Total		2622	20267	22889	4077	31512.33	35589.17
Sub total of 0 year		25454	40633	66087	39577	63178.00	102755.00
1st Year							
(a) Maintenance of nursery (April to June)	1222	1765	176	1941	2744.33	273.68	3017.98
(b) Transport of seedling of plantation	1111	968	200	1168	1505.10	310.97	1816.08
(c) Planting with khamna of Min 1m dia	1111	2976	0	2976	4527.26	0.00	4627.26
(d) Transport of seedling of casualty replacment	111	103	23	126	160.15	35.76	195.91
(e) 3 weeding cum soil working	1111	11600	0	11600	18036.36	0.00	18036.36
(f) Support watering 5 times @ 3.25		7415	10640	18055	11529.28	16543.70	28072.98
(g) Protection/ tending operation		2400	0	2400	3731.66	0.00	3731.66
(h) Tending to natural vegetation		600	0	600	932.92	0.00	932.92
(i) Contingency		0	600	600	0.00	932.92	932.92
Total for 1st Year		27827	11639	39466	43267.06	18097.00	61364.06
2nd Year							
(a) 2 Weeding & soild working		5947	0	5947	9246.75	0.00	9246.75
(b) 20% Casualty replacement, transport and planting	111+111	100	498	598	155.49	774.32	929.81
(c) Natural fertilizer (neem cake/ caster cake) etc	Rs.5/ plant	0	5555	5555	0.00	8637.24	8637.24
(d) Support watering 3 times @ 3.25		4448	6384	10832	6916.01	9926.22	16842.23
(e) Protection/ tending operation		2400	0	2400	3731.66	0.00	3731.66
Total for 2nd Year		12895	12437	25332	20049.91	19337.78	39387.69
3rd Year							
(a) 2 Weeding & soild working		5947	0	5947	9246.75	0.00	9246.75
(b) 10% Casualty replacement, transport and planting	111	50	249	299	77.74	387.16	464.90
(c) Natural fertilizer (neem cake/ caster cake) etc	Rs.5/ plant	0	5555	5555	0.00	8637.24	8637.24
(d) Support watering 3 times @ 3.25		1483	2128	3611	2305.86	3308.74	5614.60
(e) Protection & maintenance of fencing/ tending operation	L.S	3000	0	3000	4664.58	0.00	4664.58
Total for 3rd year		10480	7932	18412	16294.92	12333.14	28628.06
4th year							
(a) 1 Weeding & soil working		2973	0	2973	4622.60	0.00	4622.60
(b) Protection & Maintenance of fencing/ Tending operation	L.S	3000	0	3000	4664.58	0.00	4664.58
Total for 4th year		5973	0	5973	9287.17	0.00	9287.17
5th Year							
Protection & maintenance of fencing/ tending operation	L.S	3000	0	3000	4664.58	0.00	4664.58
Total for 5th year		3000	0	3000	4664.58	0.00	4664.58

6th Year							
Protection & maintenance of fencing/tending operation	LS	3000	1	3000	4664.58	0.00	4664.58
Total for 6th year		3000	1	3000	4664.58	0.00	4664.58
7th Year							
Protection & maintenance of fencing/tending operation	LS	3000	1	3000	4664.58	0.00	4664.58
Total for 7th year		3000	1	3000	4664.58	0.00	4664.58
8th Year							
Protection & maintenance of fencing/tending operation	LS	3000	1	3000	4664.58	0.00	4664.58
Total for 8th year		3000	1	3000	4664.58	0.00	4664.58
9th Year							
Protection & maintenance of fencing/tending operation	LS	3000	1	3000	4664.58	0.00	4664.58
Total for 9th year		3000	1	3000	4664.58	0.00	4664.58
10th Year							
Protection & maintenance of fencing/tending operation	LS	3000	1	3000	4664.58	0.00	4664.58
Total for 10th year		3000	1	3000	4664.58	0.00	4664.58
Grand Total		100829	7254	173270	156463.52	112945.92	269409.45

Note:-

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

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

(B.J.Asan)

Dy. Conservator of Forest
Kutch West Division, Bhuj.

