

Statement No:- 19

Scheme for Compensatory Afforestation

Detailed scheme of Compensatory Afforestation in non forest land acquired under FCA proposal for lion corridor area.

- (1) Details of Non-forest land
 District :- Amreli, Taluka:-Khambha, Village:- Dadhiyali
 Name of Forest Division : Gir.(East) Division, Dhari
 Range:- Tulsishyam Range, Khambha
 Survey No:- 53/1 P.2, 53/1 P.3, 53/1 P.4, 53/1 P.5
 Area to be afforested : 6.8240, 13.6380, 13.6380, 13.6380 Total Ha. 47.7380
- (2) Description of Area.
 Soil type : Muram type, shallow soil depth.
 Topography: Hilly area.
 Slope:- Sleep
 Whether the area is bearing any root stock or vegetation copies growth of Bordi, Khakhara, gorad :- Most of the area is degraded
- (3) Name of Plantation Programme :- Compensatory Afforestation Scheme for Lion corridor area 277 Planting / ha. will be carried out in ~~degraded~~ non forest land of village Dadhiyali
- (4) Scheme of Plantation Programme:-
 The Compensatory / Afforestation on ~~degraded~~ non forest land would be started by Dy. Conservator of Forest, Gir(East) Divison, Dhari as early as possible after the proposal is formally approved.

⊗ Correction made vide DCF (Gir) East.
 Dhari's No A/LND/13/1802-05 dt 22/12/14.

Details of year wise break up of requirement of fund is as under:

Daily wage:-226.80

Year	Increased 10% /Year Rate Ha./ Rs.	Area in Ha.	Amount to be recovered
0 Year	81725	47.7380	3901388
1 st Year	18410	47.7380	878857
2 nd Year	12587	47.7380	600878
3 rd Year	11393	47.7380	543879
4 th Year	6648	47.7380	317362
5 th Year	5688	47.7380	271534
6 th Year	6043	47.7380	288481
7 th Year	6399	47.7380	305475
8 th Year	6754	47.7380	322422
9 th Year	7109	47.7380	339369
10 th Year	7466	47.7380	356412
Total:	170222		8126057
Supervision charge 20%			1625211
Grand Total			9751268

Rs. Ninety seven lac Fifty one thousand two hundred sixty eight only.

The User Agency has given an undertaking to pay the cost of compensatory afforestation as per the preventing wages.

(5) Technical Details:-

Technical details of Compensatory afforestation are as under.

(a) General Details Total:-389 Seedlings /Ha. will be planted

(b) Spacement:- 6 mt X 6 mt for 277 seeding/ha gap planting in soccer plt. 1st year replacement 10%=28 seedling/ha, 2nd year 20%=56 seedling/ha, 3rd year 10%=28 seedling/ha., Total-389 seedling/ha.

(c) Species:- Khair, Arduso, Karmda, Neem, gugal, Gorad, Harmo etc.

(d) Nursery Technique:- Nursery will be raised in polybags of 15 cm x 25 cm x 200mg of size. 10 x 1 mt. nursery beds will be dug.

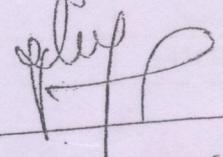
- (e) Site Preparation: - Pit of 30 x 30 x 30 as per sanctioned treatment plan.
- (f) Plantation Method (Size of Pit, Ploughing etc.)-45cm x 45cm x 45cm pits to be dug before monsoon 277 plants per ha will then be planted in pits.
- (g) SMC Works:- Chekdam and contour bunds or retaining wall, check wall as per site requirement.
- (h) Protection:- Boundary trench 1m x 0.60 cm x 0.60 cm
Stone wall 1.5m x 1.5m x 1 m will be carried out around the boundary
- (i) Silvicultural Operation:- Three soil working fertilizer irrigation by drip system current years One working irrigation by drip system in one year old and other activity to be done as per scheme
- (j) Maintenance:- Through departmental mans.
- (k) Subsequent silvicultural Operations proposed such as cleaning, cutbacks, thinnings etc. (as per species specific requirement) Whenever required.
- (l) Arrangement for people participation (if any) for long term sustenance of the plantations- Departmental staff.
- (m) Proposed monitoring mechanism :- Monitoring will be done by monitoring wing of forest Department

Place:- Dhari

Date:-

Anokuman
Deputy Conservator of Forest
Gir(East) Forest Division, Dhari

Technically and Administratively Approved for
Rs 9751268/- Rs Ninety seven Lacs Fifty one
thousand Two hundred sixty eight only


Chief Conservator of Forests
Wildlife Circle, Junagadh.

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(Dr. B. Suchindra)
Dy. Conservator of Forest
S. F. Divi., Bhuj

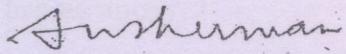
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Rate structure of 47.7380 ha. Non Forest land of village: Dadhiyali, Taluka:-
Khambha, Dist:- Amreli aforestation as per Additional Principal Chief Conservator
of Forest Gujarat State Gandhinagar's letter no. JMN/31/B/4638-4703 Dt.9/1/13

Daily wage rate Rs.226.80

Sr. No.	Year	Rate/ Ha.	Total Amount.
1	70% Ad. Works	57207	2730972
2	30% Ad. Works	24518	1170416
3	current year	81725	3901388
4	1 st Years Maint	18410	878857
5	2 nd Years Maint	12587	600878
6	3 rd Years Maint	11393	543879
7	4 th Years Maint	6648	317362
8	5 th Years Maint	5688	271534
9	6 th Years Maint	6043	288481
10	7 th Years Maint	6399	305475
11	8 th Years Maint	6754	322422
12	9 th Years Maint	7109	339369
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Total		170222	8126057
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Rs. Ninety seven lac Fifty one thousand two hundred sixty eight only


Deputy Conservator of Forest
Gir(East) Forest Division, Dhari


(Dr. B. Suchindra)
Dy. Conservator of Forest
S. F. Divi., Bhuj

Annexure-5

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Compensatory Afforestation Scheme in Non forest land acquire under
Daily wages Rs.226.80

Spacing= 6mx6m

277 seedling / Ha

1st Year replacement 10% = 28 seedling / ha

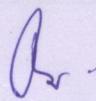
2st Year replacement 20% = 56 seedling / ha

3st Year replacement 10% = 28 seedling / ha

Total Seedings=389 seedling/ha

Polyot size : 15cm x 25m x 200g

Items of works		Qty.	Labour	Material	Total
1		2	3	4	5
1	0 Year				
	Nursery				
(a)	Cost of soil, manure, seeds, water, fertilizer insecticides, implements, rent of lands, shade, etc... (Including 10% for casualty replacement)	305	0	303	303
(b)	Labour: Preparation of beds, filling and arranging of bags, sowing of seeds, watering shifting, weeding etc..	305	743	39	782
(c)	Seedling cost for casualty replacement in one year old (20%)	56	237	71	308
(d)	Seedling cost for casualty replacement in two year old (10%)	28	118	35	153
(e)	Cost of seeds for saucer pits, Chaspala & Contour	11 Kg.	0	1303	1303
Total			1098	1751	2849
2	Area Development (Land Preparation)				
(a)	30% Area ploughing	0.2 ha	0	1699	1699
(b)	Saucer pits 600	600	512	0	512
(c)	Cleaning of unwanted weeds and pruning of natural Growth	L.S.	736	0	736
(d)	Aligment and digging of Pits of 0.45x.0.45x0.45	277@ 9.10	2987	0	2987
Total			4235	1699	5934
(a)	Natural fetlizer (Neem cake/ Castor cake	277@ 5.00	0	1641	1641
3	SMC Works				
(a)	Check wall/ retaining wall checkdem	L.S.	7110	7110	14220
(b)	Contour trence 1M x 45 Cm x 30 Cm as per Rs.8.50/rmt	700 mtr.	7050	7050	14100
Total			14160	14160	28320


(Dr. B. Suchindra)
Dy. Conservator of Forest
S. F. Divi, Bhuj

Items of works	Qty.	Labour	Material	Total
1	2	3	4	5
Protection				
(a) Boundary Trench 1 M x 0.60 Cm x 0.60 Cm	L.S.	0	0	0
(b) Stone wall 1.5M x 1.5 M x 1 M	L.S.	17774	17774	35548
Total		17774	17774	35548
Sub-Total of 0 year		37267	37025	74292
2 1st year				
(a) Maintenance of nursery (April to June)	L.S.	474	47	521
(b) Seed Sowing on chaspala, souper pits and on contour	277	1244	0	1244
(c) Transprot of seeding for plantation	277	285	59	344
(d) Planting with Khamna of Min 1 m dia	28	879	0	879
(e) Transprot & planting of seedling for casualty replacement	277	31	7	38
(f) 3 weeding cum soil working		3427	0	3427
(g) Support watering 5 times @ 3.25		1777	3555	5332
(h) Protection/tending operation		2844	0	2844
(i) Contingency		0	711	711
Total for 1st year		10961	4379	15340
2nd Year				
(a) 3 weeding & soil working		1754	0	1754
(b) 20% Casually replacement, transport and planting	28+28	194	50	244
(c) Natural fetlizer (Neem cake/ Castor cake)	Rs.5/- plant	0	1641	1641
(d) Support watering 3 times @ 3.25		1303	1896	3199
(e) Protection/tending operation	R.A.	2844	0	2844
Total for 2nd year		6095	3587	9682
3rd Year				
(a) 2 weeding & soil working	28	1754	0	1754
(b) 10% Casually replacement, transport and planting		97	25	122
(c) Natural fetlizer (Neem cake/ Castor cake)	Rs.5/- plant	0	1641	1641
(d) Support watering 1 times @ 3.25	L.S.	415	652	1067
(e) Protection & maintenace of fencing / tending operation		3555	0	3555
Total for 3rd year		5821	2318	8139
4th Year				
(a) 1 weeding & soil working		877	0	877
(b) Protection & maintenace of fencing / tending operation	L.S.	3555	0	3555
Total for 4rd year		4432	0	4432

Items of works	Qty.	Labour	Material	Total
1	2	3	4	5
5th Year				
Protection & maintenace of fencing / tending operation	L.S.	3555	0	3555
Total for 5th year		3555	0	3555
6th Year				
Protection & maintenace of fencing / tending operation	L.S.	3555	0	3555
Total for 6th year		3555	0	3555
7th Year				
Protection & maintenace of fencing / tending operation	L.S.	3555	0	3555
Total for 7th year		3555	0	3555
8th Year				
Protection & maintenace of fencing / tending operation	L.S.	3555	0	3555
Total for 8th year		3555	0	3555
9th Year				
Protection & maintenace of fencing / tending operation	L.S.	3555	0	3555
Total for 9th year		3555	0	3555
10th Year				
Protection & maintenace of fencing / tending operation	L.S.	3555	0	3555
Total for 10th year		3555	0	3555
Grand Total		85906	47309	133215

Anshuman
 Conservator of Forests,
 Gir (East) Division
 DHARI

Dr. B. Suchindra
 Dy. Conservator of Forest
 S. F. Divi, Bhuj

Rate Structure for Compensatory Afforestation for the Year 2014-15

Sl. No.	MODEL	Rate/ha.	Daily Wage : Rs. 213.20/-										Grand Total	Rema. ks			
			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	4	5	6	7	8	9	10	11	12	12	14	16	17	18	19	
1	Model No.1 650 pl / ha. (for dubia degraded area & NPV plantation)	A Normal Rate 75676	27258	17615	13395	5280	3342	3342	3342	3342	3342	3342	3342	3342	162408	32481	194888
		B Increased by 10% / yr	83246	32722	22900	18738	7920	5347	5681	6015	6349	6683	7018	7352	202619	40524	243142
2	Model No.2 858 pl / ha. (for dubia degraded area & NPV plantation)	A Normal Rate 78807	27269	17616	13385	5280	3342	3342	3342	3342	3342	3342	3342	3342	162408	32481	194888
		B Increased by 10% / yr	86688	32723	22900	18738	7920	5347	5681	6015	6349	6683	7018	7352	202619	40524	243142
3	Model No.3 11:1 pl / ha. (for Non-forest land acquired under FCA)	A Normal Rate 73614	43962	28217	20509	6853	3342	3342	3342	3342	3342	3342	3342	3342	193005	38601	231607
		B Increased by 10%/yr	80976	52755	36682	28713	9980	5347	5681	6015	6349	6683	7018	7352	246198	49240	295438
4	Lion Corridor area 2:7 pl / ha. (for Non-forest land acquired under FCA)	A Normal Rate 69840	14422	9102	7650	4166	3342	3342	3342	3342	3342	3342	3342	3342	125230	25046	150276
		B Increased by 10%/yr	76624	17306	11832	10710	6249	5347	5681	6015	6349	6683	7018	7352	160015	32003	192017
5	Great Indian Bustard (for Non-forest land acquired under FCA)	A Normal Rate 69529	33913	3923	4199	3564	3564	3564	3564	3564	3564	3564	3564	3564	136486	27297	163783
		B Increased by 10% / yr	76482	40695	5100	5837	5347	5703	6060	6416	6772	7129	7485	7841	173027	34505	207532
6	Mangrove plantation 2500 pl / ha.	A Normal Rate 12658	14953	11055	8250	2784	2784	2784	2784	2784	2784	2784	2784	2784	66402	13280	79682
		B Increased by 10% / yr	13924	17044	14372	11549	4175	4454	4732	5011	5289	5567	5846	6124	92863	18573	111436
NB : (1)	For different years, the rate shown for B has been derived from A as follows																
	0 Year - B=A + 10% of A																
	1st Year B=A + 20% of A																
	2nd Year - B=A + 30% of A																
	3rd Year - B=A + 40% of A																
	4th Year - B=A + 50% of A																
	5th Year - B=A + 60% of A																
	6th Year - B=A + 70% of A																
	7th Year - B=A + 80% of A																
	8th Year - B=A + 90% of A																
	9th Year - B=A + 100% of A																
NB : (2)	In column 17, the additional 20% is towards the cost of supervision/subsequent silvicultural operations																
NB : (3)	Rates shown in Row "B" are to be applied																

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