

Annexure-19

Compensary Afforestation Scheme for double degraded area

Compensatory Afforestration Scheme for double degraded area under FCA proposal for diversion of 0.05 ha of Reserved forest land for Construction of New Sump and Pump House for drinking water supply facility under Gothib group water supply scheme in moralnaka and other 11 Villages of Santrampur Taluka, Village:-Moralnaka, Ta: Santrampur, Dist:Mahisagar in Favour of Executive Engineer Public Health Works Division Lunawada

Detailed scheme of Compensatory Afforestation for degraded area 1.00 ha.to be carried out in lieu of 0.05 ha. of Reserved forest land to be diverted in Taluka-Khanpur, Dist-Mahisagar of Gujarat State.

1. Details of degraded land.

Village	Akadana degamda
Taluka	Khanpur
Range	Khanpur
District	Mahisagar
Division	Lunawada
Block No/ Survey No/ Compartment No.	36
Area to be afforested	1.00 Ha.
Working circle	Development & Conservation

2. Description of Area.

Soil type	Soft rock& Black 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 Degraded Area.

Details of Year Wise Break-Up requirement of fund is as under

Daily / Wages-Rs.340.20

Year	Area (ha)	Rate/ha	Total Amount
0 Year 70 %	1	178267	178267
1 st Year	1	84756	84756
2 nd Year	1	57486	57486
3 rd Year	1	47594	47594
4 th Year	1	16822	16822
5 th Year	1	8920	8920
6 th Year	1	9477	9477
7 th Year	1	10035	10035
8 th Year	1	10591	10591
9 th Year	1	11149	11149
10 th Year	1	11707	11707
Total	1	446804	446804
Supervision Charge 20 %	1	89361	89361
Total	1	536165	536165
	Say		5,36,165/-

Compensatory Afforestation will be done in 1.00 ha. Area. The total afforestation cost will be Rs.5,36,165/-

(73)

4. Schedule of Plantation Programme:-

Ξ: \equiv wages (including the price escalation and supervision charges). pay the cost of Compensatory Afforestation as per the prevailing Public Health Works Division Lunawada has given an undertaking to afforestation cost will be about Rs.536165/-Executive Engineer, Compensatory Afforestation will be done in 1.00 ha. area. The total Possible after the proposal is formally approved. Dy.Conservator of Forest Mahisagar-Lunawada Division as early as The Compensatory Afforestation on degraded area would be started by

5. Technical Details:-

Technical details of Compensatory Afforestation are as Follows:

űΘ	f	e	Д	-										c	Ь	а	No.	Sr.
Soil & Moisture Conservation Works	Plantation Method	Site Preparation	Nursery Lechnique	Technique									of plants per ha.)	Species to be planted (No.	Spacement	General Details		Details
(i) Pucca structure (ii) Contour trenche along the conto down ward side loose stone ava requirement. S planted during suitability.	lypo	The malformed rootsto site will be cleaned i digging 45 x 45 x 45 y Jan.	monsoon.	Nine months old polyt	Total	Etc.	Amla	Bordi	Mahuda	Sadad	Bahedo	Bamboo	Kanaji	Khair	3 X 3 mtr., 1111 plants per ha.	The C.A. will be taken under Compensatory Afforestation for double land on degraded F The prevailing wage rate is 340.20 per day.		
Pucca structure like Check dam, check wall, retailing wall 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 Jatropha, Agave plantsetc. will be planted during monsoon in the upper side of nala as per suitability.	Polypot raised plants will be planted during monsoon.	The malformed rootstock present in the area will be cutback & site will be cleaned in the month of Nov-Dec. Alignment & digging 45 x 45 x 45 cms. will be carried out in the month of U Jan.	See Imped prints	oot raised plants will be	1111	300	260	200	21	20	20	40	70	180	s per ha.	The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas The prevailing wage rate is 340.20 per day.		Specifications
Wall, realling wall be dug 100 Nos/ha. will be dug il will be heaped on the ala Banding using The be carried out as per re plantsetc. will be re side of nala as per side of nala as p	onsoon.	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.		Nine months old polypot raised plants will be planted at the onset of	55cm	75 cm	65 cm	65 cm	75 cm	90 cm	90 cm	65 cm	75 cm	65 cm		est Areas.		

п	3														_		~							Ь
Silviculture& other	n Regeneration cleaning														Proposed monitoring	silvicualtural Operation	Subsequent	Maintenance				Silvicultural Operations		Protection Trench
Only afforestation aimed plantation will be taken up, as the area falls under	Cut-back and promotion of root suckers.	the third party selected for this purpose.	plantation is in the sample selected, it will also be monitored by	(vii)Third party monitoring mechanism is also in the State and if the	(vi) Bamboo would be of the harvestable size by the end of 4^{th} year.	stocking and pole crop girth for all the species, except bamboo.	(v) At the end of maintenance period, the area is aimed at full	(iv) The collar girth is also to be reordered at the end of each year.	September and March each year.	register on a periodical basis, which is updated at the end of	(iii) The results of survival etc. are maintained in the plantation	ACF = 20%	ı	(ii) Monitoring is to be done as per the following norms.	(i) A plantation register is to be maintained.	will be carried out at the age as per prescribed in the working plan.	Cleaning, cutbacks, thinning etc. (as per species specific requirement)	It is proposed to maintain the Plantation up to ten years.	3 rd year one weeding soil working.	2 nd year two weeding soil working.	provided if needed.	1 st year three weeding soil working. Support watering will be	Ipomea/ Glarcidia along the fence	Barbed wire fenching. Seed sowing And planting of cuttings of

(N.V.Chaudhari)
Deputy Conservator of Forest
Mahisagar Division
Lunawada

activities

degraded forest land.

administrative approved by the undersigned. The Compensatory Afforestation scheme at the cost of Rs. 5,36,165/- is technically and

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Compensatory Afforestration Scheme for Non-Forest land Under FCA Proposal



forest land for Construction of New Sump and Pump House for drinking water supply facility under Gothib group water supply scheme in moralnaka and other 11 Villages of Santrampur Taluka, Village: Moralnaka, Tal Santrampur, Dist. Mahisagar in Compensatory Afforestration Scheme for double degraded area under FCA proposal for diversion of 0.05 ka of Peserved Favour of Executive Engineer Public Health Works Division Lunawada

Spacements = 3mx3m

1111 seedling / ha

2nd year replacement 20 % = 111+111 seedling / ha 1st year replacement 10 % = 111 seedling / ha

3rd year replacement 10 % = 111 seedling / ha

Polypot size: 15 cm X 25 cm X 200 Total Seedlings = 1333 seedling / ha

Qty. Material Wage rate: 340.20/Day Totals

84756	22281	62475		Total for 1st year	
1158	1158	0		Contigency	Ξ
1327	0	1327		Tending to natural vegetation	Ē
5284	0	5284		Protection / tending operation	(g)
36940	20539	16401		Support watering 5 times @5.30	Э
20802	0	26802	1111	3 weeding cum soilworking	(e)
272	44	228	111	Transport & planting of seediling for casualty replacement	(d)
1259	0	6581	1111	Planting with khamna of Min. 1 m dia	.(c)
2148	200	1948	1111	Transport of seedling for plantation	(b)
4244	340	3904	1222	Maintenance of nursery (April toJune)	(a)
				ear	1 st Year
178267	112791	65476		Total for 0 year	
83736	75473	8935		Total	
1736	473	1263		Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence	(b)
82000	75000	7672	L.S	Barbed wire fencing (205 rmt/ Ha., Rs. 400/- per Rmt)	(a)
				4. Protection	4 P
57460	23535	34885		Total	1
10000	0	10960		Van Talavadi/Hill Top Tank/Percolation tank/Nala bund,Gully Plug etc	2
10340	0	10340	600rmt	Contour trench 2 M x 45 Cm x 30 Cm as per Rs.31.73/1111 (3000 trench)	(b)
3/1/0	23535	13585	LS	Check wall/ retaining wall /checkdem (all pucca only)	(a)
27170				3. SMC Works	3. 5
11110	11110	0		Total	
11110	11110	0	1111@10	Natural Fertilizer (Neem cake/ Castor cake)	(a)
14486	0	14486		Total	
10662	0	10662	.1111@8.84	Aligment and digging of pits 0.45 × 0.45 × 0.45	
3824	0	3824		Survey, cutback and promotion of root suckers	(a)
				2. Area Development (Land Preparation)	2. A
9843	2673	7170		Total	
979	209	770	111	Seedling cost for casuality replacement in two year old (10%)	
1956	419	1537	222	Seedling cost for casuality replacement in one year old (20 %)	
5093	230	4863	1222	labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	(a)
1815	1815	0	1222	Cost of soilmanure, seeds, water, fartillizer, insecticides, implements, rent of lands. Shade, etc. (including '10 % for casuality replacement)	(a)
				0 year Nursery	0 ye
Totals	Material To	Labour	Qty.	Plau ground	

271762	115477	LVLULC			
89361	35904	53457	20%	The Cost of Supervision/Subsequential Silvicultural operations	F
446804	179519	267285		Grand Total	
11707	0	11707		Total for 10th Year	
11707	0	11707	L.S	Protection & maintenance of fencing/ tending operation	
				10 th Year	10
11149	0	11149		Total for 9th Year	
11149	0	11149	L.S	Protection & maintenance of fencing/tending operation	
				9 th Year	16
10591	0	10591		Total for 8th Year	
10591	0	10591	LS	Protection & maintenance of fencing/ tending operation	
				8 th Year	000
10035	0	10035		Total for 7th Year	
10035	0	10035	LLS	Protection & maintenance of fencing/ tending operation	
				7 th Year	7 1
9477	0	9477		Total for 6th Year	
94//	0	9477	L.S	Protection & maintenance of fencing/ tending operation	
				6thYear	6th
0320	O	8920		Total for 5th Year	
0269	0	8920	LS	Protection & maintenance of fencing/ tending operation	
				SthYear	5th
16822	0	16822			
1078b	0	10786			(b)
10706		6036	L.S	1 weeding & soilworking	(a)
9203				4thYear	4th)
4/394	18007	29587		Total for 3rd year	
10786	0	10786	LS		d)
8208	4120	4148		Support watering 1 times @6	(C)
13332	13332	0	Rs. 10/plants	Planting,Natural fertilizer, neem cake etc.	6
809	555	254	111	10 % Casually Replecement, transport and	6
14399	C	14399		2 weeding & soil working	(a)
				3rd Year	3rd
57486	26440	31046		Total for 2nd Year	
5751	0	5751			(e)
24008	13351	10657		_	(d)
12048	12048	0	Rs. 10/plants	Natural fertilizer (neem cake / caster cake) etc	(C)
1280	1041	239	111+111) 20 % Casually replecement, transport and Planting	(b)
14399	0	14399		2 weeding & soil working	(a)
CONTRACTOR					

Note:

- (1) Seed sowing along fensing toword for inner side, and also in the plot
 (2) Planting of cutting of ipomea/Glaricidia along the fencing towards ou
- Planting of cutting of ipomea/Glaricidia along the fencing towards outer side

Compensatory afforestation will be done in 1.00 Ha Area

Total Cost Rs.: 5,36,165/-

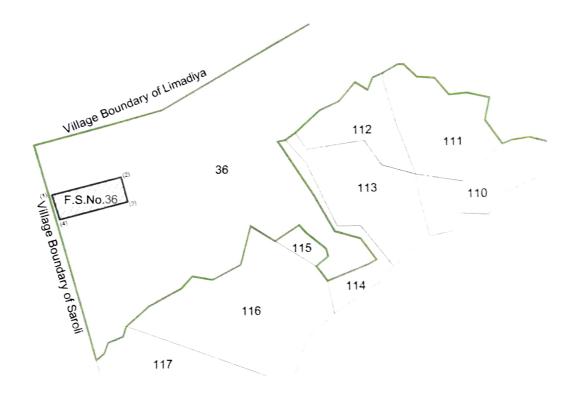
Deputy Conservator of Forests, Mahisagar Forest Division (N.V.Chaudhari) Lunawada

LOCATION MAP OF DEGRADED FOREST LAND IDENTIFFIED FOR COMPENSATORY AFFORESTATION TO BE CARRIED OUT IN DIVERSION OF 0.05 HA OF RESERVED FOREST LAND FOR THE CONSTRUCTION OF NEW SUMP AND PUMP HOUSE FOR DRINKING WATER SUPPLY FACILITY UNDER GOTHIB GROUP WATER SUPPLY SCHEME IN MORALNAKA AND OTHER 11 VILLAGES. VILLAGE: MORALNAKA TALUKA: SANTRAMPUR, DIST: MAHISAGAR IN GUJARAT STATE FAVOUR OF EXECUTIVE ENGINEER PUBLIC HEATH WORKS DIVISION LUNAWADA.

VILLAGE : AKHADANA DEGAMDA , RF.SR.NO :36 . , COMPENSATORY AFFORESTATION , AREA : 0.05 Ha.(1.00 Ha.)

RANGE : KHANPUR , TALUKA : KHANPUR , DIVISION : MAHISAGAR , DIST : MAHISAGAR

DEVELOPMENT & CONSERVATION WORKING CIRCLE , F.S.NO.:XIII PT, COUPE NO:7



REFERENCE

RESERVED FOREST BOUNDARY

AREA TO BE TAKEN FOR COMP. AFFO.

AREA: 0.05 Ha. (1.00 Ha.)

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Deputy Conservator of forests
Mahisagar Forest Division
Lunawada

SCALE: 1 CM = 79.20 MT

Information of Compensatory Afforestation area GPS Point Mahisagar Forest Division

Sr. No	Name Of Village	Compensatory Afforestation area in ha.	Compensatory Afforestation area Survey No.	GPS Point
1	At.:Akhadana Degamda Ta.: KHanpur Dist.: Mahisagar	0.05 Ha (1.00 Ha)	36	(1) 23° 12' 39.55" N 73° 34' 22.28" 1 (2) 23° 12' 41.28" N 73° 34' 27.16" 1 (3) 23° 12' 38.88" N 73° 34' 27.70" 1 (4) 23° 12' 37.56" N 73° 34' 22.66" 1

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