

# Annexure- XIX Compensary Afforestation Scheme for double degraded area

Compensatory Afforestration Scheme for double degraded area under FCA proposal for Grant Permission of Lift Irrigation Pipeline project for diversion of 0.2772 ha Reserved Forest land for Transmission of water from Panam High level canal and Right Bank Main Canal(RBMC) of PHLC to Various Villages of Lunawad Taluka,Dist:-Mahisagar in Gujarat State favour of Executive Engineer Panam Project Division Godhra.

Detailed scheme of Compensatory Afforestation for degraded area 1.00 ha.to be carried out in lieu of 0.2772 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.351.30

Year	Area (ha)	Rate /ha	Total Amount
0 Year 70 %	1	180403	180403
1 st Year	1	86794	86794
2 nd Year	1	58499	58499
3 <sup>rd</sup> Year	1	48559	48559
4 th Year	1	17371	17371
5 th Year	1	9211	9211
6 th Year	1	9786	9786
7 <sup>th</sup> Year	1	10362	10362
8 th Year	1	10937	10937
9 <sup>th</sup> Year	1	11513	11513
10 th Year	1	12089	12089
Total	1	455525	455525
Supervision Charge 20 %	1	91105	91105
Total	. 1	546630	546630
	Say		5,46,630/-

Compensatory Afforestation will be done in 1.00 ha. Area. The total afforestation cost will be Rs.5,46,330/-

D\SB TAB-17\Campa\ scheme of Compensatory Affo



### 4. Schedule of Plantation Programme:-

(i) The Compensatory Afforestation on degraded area would be started by Dy.Conservator of Forest Mahisagar-Lunawada Division as early as Possible after the proposal is formally approved.

(ii) Compensatory Afforestation will be done in 1.00 ha. area. The total afforestation cost will be about Rs.5,46,630/- Executive Engineer Panam Project Division Godhra 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:

Sr. No.	Details	Specifications				
a	General Details	The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas. The prevailing wage rate is 351.30 per day.				
b	Spacement	3 X 3 mtr., 1111 plan	ts per ha			
С	Species to be planted (No.	Khair	180	65 cm		
	of plants per ha.)	Kanaji	70	75 cm		
		Bamboo	40	65 cm		
		Bahedo	20	90 cm		
		Sadad	20	90 cm		
		Mahuda	21	75 cm		
		Bordi	200	65 cm		
		Amla	260	65 cm		
-		Etc.	300	75 cm		
		Total	1111	55cm		
n e		Total				
	Nursery Technique	Nine months old poly	ypot raised plants wi	ill be planted at the onset of		
d	Nuisely Teemings	monsoon				
	at. Dtion	The malformed roots	stock present in the	area will be cutback & the		
e	Site Preparation		in the month of I	Nov-Dec. Anglillen & pre		
		digging 45 x 45 x 45	5 cms. will be carrie	ed out in the month of Dec-		
		Ion				
	Plantation Method	- · · · · · · · · · · · · · · · · · · ·	will be planted during	ng monsoon.		
f		n -tmiotin	o like Check dam, C	heck wan, retaining wan		
g	Soil & Moisture Conservation Works		1500 2 00 v 0 45 x 0	30. 300 Nos/na. will be das		
	Collect various vi essai	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 loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose stone available in the area will be carried out as per loose at loose and the loose stone available in the area will be carried out as per loose at loose and the loose area.				
		planted during monsoon in the upper side of nala as possitability.				

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h	Protection Trench	Darbad wire Constinu C. 1		
	Trenen	Barbed wire fenching, Seed sowing And planting of cuttings of Ipomea/ Glarcidia along the fence		
i	Silvicultural Operations			
	realitara Operations	1 <sup>st</sup> year three weeding soil working, Support watering will be provided if needed.		
		2 <sup>nd</sup> year two weeding soil working.		
		3 <sup>rd</sup> year one weeding soil working.		
j	Maintenance	It is proposed to maintain the Plantation up to ten years.		
k	Subsequent	Cleaning, cutbacks, thinning etc. (as per species specific requirement)		
K	silvicualtural Operation	will be carried out at the age as per prescribed in the working plan.		
1	Proposed monitoring	(i) A plantation register is to be maintained.		
1	mechanism			
		<ul> <li>(ii) Monitoring is to be done as per the following norms.         Forester - 100%         RFO - 100%         ACF - 20%         DCF - 10%</li> <li>(iii) The results of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of</li> </ul>		
		September and March each year.		
	(iv) The collar girth is also to be reordered at the end of each			
		(v) At the end of maintenance period, the area is aimed at ful		
		stocking and pole crop girth for all the species, except bamboo.		
		(vi) Bamboo would be of the harvestable size by the end of 4th year.		
		(vi) Bamboo would be of the narvestable 3120 of the State and if the		
		(vii) Third party monitoring mechanism is also in the State and if the		
		plantation is in the sample selected, it will also be monitored by		
	÷	the third party selected for this purpose.		
	Regeneration cleaning	Cut-back and promotion of root suckers.		
m	Silviculture& other	Only afforestation aimed plantation will be taken up, as the area falls unde		
n	activities	degraded forest land.		

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

The Compensatory Afforestation scheme at the cost of Rs. 5,46,630/- is technically and administrative approved by the undersigned.

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



## Compensatory Afforestration Scheme for Non- Forest land Under FCA Proposal

Compensatory Afforestration Scheme for double degraded area under FCA proposal for Grant Permission of Lift Irrigation Pipeline project for diversion of 0.2772 ha Reserved Forest land for Transmission of water from Panam High level canal and Right Bank Main Canal (RBMC) of PHLC to Various Villages of Lunawad Taluka, Dist:-Mahisagar in Gujarat State favour of Executive Engineer Panam Project Division Godhra.

Spacements = 3mx3m

1111 seedling / ha

1st year replacement 10 % = 111 seedling / ha

2nd year replacemenl 20 % = 111+111 seedling / ha

3rd year replacemenl IO % = 111 seedling / ha

Total Seedlings = 1333 seedling / ha

(d (e (f)

(i)

Total	Seedlings = 1333 seedling / ha			Wage	rate: 351.30/Day	<u>/</u>
Polyp	pot size : 15 cm X 25 cm X 200	Qty.	Labour		Totals	1
	Plau ground	4.7				4
(a)	Cost of soilmanure, seeds, water,fartillizer, insecticides, implements, rent of lands. Shade. etc. (including '10 % for	1222	0	1815	181	.5
	casuality replacement) labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222	5022	230	525	52
	Seedling cost for casuality replacement in one year old (20 %)	222	1587	419	200	06
	Seedling cost for casuality replacement in two year old (10%)	111	795 <b>7404</b>	209 2673	100	
	Total		7404			
2. Are	a Development ( Land Preparation )		3949		39	949
(a) S	Survey, cutback and promotion of root suckers					010
A	Aligment and digging of pits 0.45 X 0.45 X 0.45	.1111@8.84	11010			959
	Total		14959	/	-	110
a) N	Natural Fertilizer (Neem cake/ Castor cake)	1111@10	(			110
	Total			1111	0 11	110
. SMC	CWorks		-	0		
1 (	heck wall/ retaining wall /checkdem (all pucca only)	L.S	1402	8 2353	35 37	7563
C	iontour trench 2 M x 45 Cm x 30 Cm as per Rs.51.75/rmt (300	600rmt	1067	7	0 1	0677
V	an Talavadi/Hill Top Tank/Percolation tank/Nala bund,Gully Plug		1131	8	0 1	.0000
c) et	tc. Total		3602		35 5	8241
				0		-
	ection arbed wire fencing (205 rmt/ Ha., Rs. 400/- per Rmt)	L.S	792	750	000	32000
, ,	eed sowing and planting of cuttings of Ipomea/ Glaricidia along efence		13	04	173	1777
- 1011	Total		92	27 754	173	83777
			676	12 112	791 1	.80403
				0		
t Yea		1222	40	31	340	4371
_	laintenance of nursery (April toJune)				200	2212
-	ransport of seedling for plantation	1111				6796
_	anting with khamna of Min. 1 m dia	1111		796	0	
Tra	ansport & planting of seediling for casualty replacement	111		235	44	279
3 1	weeding cum soilworking	1111_	270	576	0	27676
Su	pport watering 5 times @5.30		169	936 20	0539	37475
Pro	otection / tending operation		5-	456	0	5456
Ter	nding to natural vegetation		1	370	0	1370
$\neg$	ntigency				1158	115
	Total for 1st yea	-	64	<b>513</b> 2	2281	8679

2nd Year		0		
(a) 2 weeding & soil working		14869	0	14869
(b) 20 % Casually replecement, transport and Planting	111+111	247	1041	1288
.(c) Natural fertilizer (neem cake / caster cake ) etc	Rs. 10/plants	0	12048	12048
(d ) Support watering 3 times @ 5.30		11005	13351	24356
(e) Protection / tending operation		5939	0	5939
Total for 2	nd Vear	32059	26440	58499
3rd Year	id (cdi	0		
(a) 2 weeding & soil working		14869	0	14869
(b) 10 % Casually Replecement, transport and	111	262	555	817
(b) as a summy representation of the port date				
(b) Planting, Natural fertilizer, neem cake etc.	Rs. 10/plants	- 0	13332	13332
(c ) Support watering 1 times @6		4283	4120	8403 11137.92416
(d) Protection & maintenance of fencing / tending Operation	L.S	11138		
Total for 3	rd year	30552	18007	48559
4thYear		0	0	6233
(a) 1 weeding & soilworking	L.S	6233	0	11138
(b) Protection & Maintenance of fencing/ Tending operation		11138	0	17371
Total for 4	th Year	17371	-	17571
SthYear	1.6	9211	0	9211
Protection & maintenance of fencing/ tending operation  Total for 5	L.S	9211	0	9211
		0	-	
6thYear	L.S	9786	0	9786
Protection & maintenance of fencing/ tending operation  Total for 6		9786	0	9786
	7.11 104.	0		
7 th Year Protection & maintenance of fencing/ tending operation	L.S	10362	0	10362
Total for 7	th Year	10362	0	10362
8 th Year		0	4	
Protection & maintenance of fencing/ tending operation	L.S	10937	0	10937
Total for 8	3th Year	10937	0	10937
9 th Year		0		
Protection & maintenance of fencing/ tending operation	L.S	11513	0	11513
Total for S	th Year	11513	O	11513
10 th Year		C		
Protection & maintenance of fencing/ tending operation	L.S	12089	0	12089
Total for 10	Oth Year	12089	0	12089
	nd Total	276006	179519	45552
The Cost of Supervision/Subsequential Silvicultural operations	20%	55203	35904	9110
		33120	7 215423	54663

#### 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 outer side

Compensatory afforestation will be done in 1.00 Ha Area

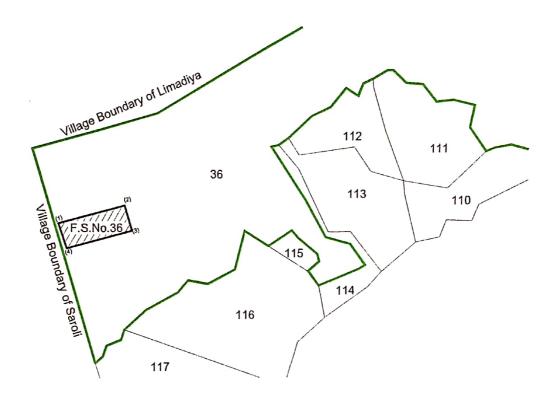
Total Cost Rs.: 5,46,630/-

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

LOCATION MAP OF DEGRADED FOREST LAND IDENTIFFIED FOR COMPENSATORY AFFORESTATION TO BE CARRIED OUT IN GRANT PERMISSION OF LIFT IRRIGATION PIPELINE PROJECT FOR DIVERSION OF 0.2772 HA RESERVED FOREST LAND FOR TRANSMISSION OF WATER FROM PANAM HIGH LEVEL CANAL AND RIGHT BANK MAIN CANAL (RBMC) OF PHLC TO VARIOUS VILLAGE OF LUNAWADA TALUKA, DIST:-MAHISAGAR IN GUJARAT STATE FAVOUR OF EXECUTIVE ENGINEER PANAM PROJECT DIVISION GODHRA.

VILLAGE: AKHADANA DEGAMDA, RF.SR.NO:36., COMPENSATORY AFFORESTATION, AREA: 0.2772 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: 0.2772 Ha. (1.00 Ha.)

ראיט, Chaydlary)
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	0.2772 Ha (1.00 Ha)	36	(1) 23° 12' 37.57" N 73° 34' 22.70" E (2) 23° 12' 39.08" N 73° 34' 28.30" E (3) 23° 12' 37.30" N 73° 34' 28.80" E (4) 23° 12' 35.52" N 73° 34' 23.22" E

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