Annexure-19



Compensatory Afforestation Scheme for double degraded area

Diversion of 17.24625 Ha. of Forest land for widening & Strengthening of Road (1) SH-109 (Junagadh-Bhesan) Road km. CH. 07/500 to 33/550 & (2) Bhesan-Parab vavdi road km. Ch. 00/200 to 07/000 in Junagadh & Bhesan Taluka of Junagadh District in Gujarat State.

Detailed scheme of Compensatory Afforestation to be carried out in lieu of 17.24625 ha.of forest land for widening & Strengthening of Road (1) SH-109 (Junagadh-Bhesan) Road km. CH. 07/500 to 33/550 & (2) Bhesan-Parab vavdi road km. Ch. 00/200 to 07/000 in Junagadh & Bhesan Taluka of Junagadh District in Gujarat State.

1. Details of degraded land.

Village	Karmadi
Taluka	Limkheda
Range	Sarjumi
District	Dahod
Division	Baria
Block/ Patal, Compartment No.	13 pt.
Area to be afforested	35.00 Ha.
Working circle	

2. Description of Area.

Soil type	Loamy &Rocky
Topography	Plain
Slope	Gentle
Whether the area is bearing any root stock of Vegetation	Yes

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Degraded Area.

4. Schedule of Plantation Programme:-

(vii) The Compensatory Afforestation on degraded area would be started by Dy.Conservator of Forest Baria Division as early as possible after the proposal is formally approved.

(viii) Compensatory Afforestation will be done in 35.00 ha. area. The total afforestation cost will be about Rs.1,92,70,860/- Deputy Exicutive Engineer, R&B City Sub Division- Junagadh has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

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

Daily / Wages-Rs.351.30

Compression of the Compression o		1. A 1.	D-4- /1-	Total Amount
200	Year	Area ha	Rate /ha	Total Amount
	O Year 70 %	35.00	182572	6390020
12.5	1 st Year (Current Year)	35.00	89260	3124100
	2 nd Year	35.00	60000	2100000
	3 rd Year	35.00	47850	1674750
	4 th Year	35.00	16561	579635
	5 th Year	35.00	8544	299040
1	6 th Year	35.00	10074	352590
141,216	7 th Year	35.00	10487	367045
1	8 th Year	35.00	10973	384055
13.55	9 th Year	35.00	11180	391300
	10 th Year	35.00	11329	396515
	Total		458830	16059050
111/11	Supervision Charge 20 %	35.00	91766	3211810
是海河	Total		550596	19270860

Say

Compensatory Afforestation will be done in 35.00 ha. Area. The total afforestation cost will be Rs. 1,92,70,860/-

5. Technical Details:-

Technical details of Compensatory Afforestation are as Follows:

r. Vo.	Details	Specifications The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas. Theprevailing wage rateis 351.30 per day.		
a	General Details			
b	Spacement	3 X 3 mtr., 1111 plants per	ha.	
С	Species to be planted (No. of plants per ha.)	Khair Kanaj Sadad Bamboo Bordi Baheda Mahuda Amla Teak Etc. Total	150 100 50 100 25 25 50 200 200 211 1111	65cm 75cm 90cm 65cm 65cm 90cm 75cm 75cm
d	Nursery Technique	Nine months old polypot monsoon.		planted at the onset of
е	Site Preparation	The malformed rootstock present in the area will be cutback & the site will be cleaned in the month of Nov-Dec. Alignment & pi digging 45 x 45 x 45 cms. will be carried out in the month of Dec. Jan.		
f	Plantation Method	Polypot raised plants will	be planted during mor	nsoon.
g	Soil & Moisture Conservation Works	 (iv) Pucca structure like Check dam, check wall, retaining wall (v) 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. (vi) Van Talavadi/ Percolation tank 		
は大田田田田	h Protection Trench	Barbed wire fenching, Seed sowing And planting of cuttings of Ipomea/ Glarcidia along the fence 1st year three weeding soil working, Support watering will be		
	i Silvicultural Operations	a st	~	

	hit.	
	V.	3 rd 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)
	silvicualtural Operation	will be carried out at the age as per prescribed in the working plan.
1	Proposed monitoring mechanism	(viii) A plantation register is to be maintained.
	mechanism	(ix) Monitoring is to be done as per the following norms.
		Forester – 100% RFO – 100%
		RFO – 100% ACF – 20%
		DCF - 10%
	n in the second	(x) The results of survival etc. are maintained in the plantation
		register on a periodical basis, which is updated at the end of
		September and March each year.
		(xi) The collar girth is also to be reordered at the end of each year.
		(xii)At the end of maintenance period, the area is aimed at full
		stocking and pole crop girth for all the species, except bamboo.
		(xiii) Bamboo would be of the harvestable size by the end of 4 th
10		year.
		(xiv) 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.
	m Regeneration cleaning	Cut-back and promotion of root suckers.
	n Silviculture& other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.

Dy. Conservator of Forest Baria

The Compensatory Afforestation scheme at the cost of Rs.1,92,70,860- (in words) One Caror Ninty Two Lacs Seventy Thousand Eight Hundred Sixty Only is technically and administrative approved by the undersigned.

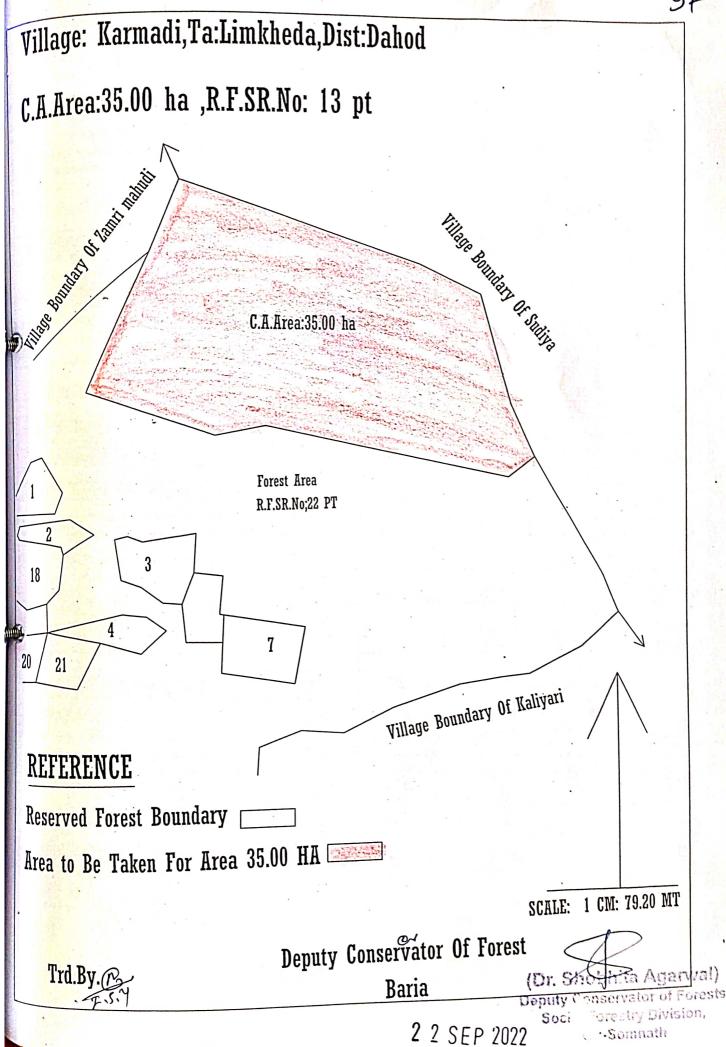
> Dy. Conservator of Forest Baria

/D/sanjay/FCA/New CA 20-05-2022

(Dr. Shob Deputy Conservator of Forests Social Foresti\ Division, Gir-Somhath

2 2 SEP 2022

·Somnath



Compensatory Afforestration Scheme for Non-Forest land Under FCA Proposal

Detailed scheme of Compensatory Afforestation to be carried out in lieu of 17.24625 ha.of forest land for widening & Strengthening of Road (1) SH-109 (Junagadh-Bhesan) Road km. CH. 07/500 to 33/550 & (2) Bhesan-Parab vavdi road km. Ch. 00/200 to 07/000 in Junagadh & Bhesan Taluka of Junagadh District in Gujarat State.

Spacements = 3mx3m

1111 seedling / ha

1st year replacement 10 % = 111 seedling / ha

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

3rd year replacement 10 % = 111 seedling / ha

Total Seedlings = 1333 seedling / ha

Wage ra	te: 351.3	30/Day
---------	-----------	--------

Polypot:	size: 15 cm X 25 cm X 200			Wage	rate: 351.30/Day
	Plau ground	Qty.	Labour	Material	Totals
0 year N					
(a) Cos	t of soilmanure, seeds, water,fartillizer, insecticides,				
imp	plements, rent of lands. Shade. etc. (including '10 % for				
cas	uality replacement)	1222	0	1815	1815
lab	our : Preparation of beds, filling and arranging of				
(b) bag	gs,showing of seeds, watering shifting, weeding etc.	1222	4868	230	5098
See	edling cost for casuality replacement in one year old (20				
%)		222	1538	419	1957
				-	
See	edling cost for casuality replacement in two year old (10%)	111	770		
	Total		7177	2673	9850
	Development (Land Preparation)				
	rvey, cutback and promotion of root suckers		3657	. 0	3657
Ali	igment and digging of pits 0.45 X 0.45 X 0.45	.1111@8.84	10199	0	10199
	Total		13856	0	13856
(a) Na	atural Fertilizer (Neem cake/ Castor cake)	1111@10	0	11110	11110
	Total		0	11110	11110
3. SMC	Works		. 0		
					-
(a) Ch	neck wall/ retaining wall /checkdem (all pucca only)	L.S	13685	23535	37220
Co	ontour trench 2 M x 45 Cm x 30 Cm as per Rs.51.75/rmt				
	00 trench)	600rmt	10372	0	10372
Va	an Talavadi/Hill Top Tank/Percolation tank/Nala				
	ınd,Gully Plug etc.		10484	0	10484
	Total	1	34541	23535	58076
4. Prot	ection				
(a) Ba	arbed wire fencing (220 rmt/ Ha., Rs. 400/- per Rmt)	. L.S	8000	80000	88000
Se	eed sowing and planting of cuttings of lpomea/ Glaricidia	- 1			
(b) al	ong the fence		1208	473	1681
	Total		9208		
	Total for 0 year		64781	117791	182572
lst Yea					1020,2
(a) M	faintenance of nursery (April toJune)	1222	4460	340	4800
(b) T	ransport of seedling for plantation	1111	2370		1000
.(c) P	lanting with khamna of Min. 1 m dia	1111	6985		2570
				F1 4/2	6985
(d) Tr	ransport & planting of seediling for casualty replacement	111	420	44	
(e) 3	weeding cum soilworking	1111	28509		404
(f) Si	upport watering 5 times @5.30			NES-ED-	28509
			17560		38099
	rotection / tending operation		5370	0	
	ending to natural vegetation		1305		53/0
(i) Co	ontigency		0		1305
	Total for 1st year		66979	1158	1128
			00777	22281	89260

			1 00 %		101
, y,			A STATE OF THE STA	ELECTRONICO STATEMENTO SERVICIO POR PARA PARA PARA PARA PARA PARA PARA	
2nd	Year				
	2 weeding & soil working		13774	0	13774
(b)	20 % Casually replecement, transport and Planting	111+111	370	1320	1690
,		Rs.	,		,
.(c)	Natural fertilizer (neem cake / caster cake) etc	10/plants	0	13560	13560
(d)	Support watering 3 times @ 5.30		11150	14325	25475
(e)	Protection / tending operation		5501	0	5501
	Total for 2nd Year		30795	29205	60000
3rd	Year				
(a)	2 weeding & soil working		13774	0	13774
-	and a son working				
(b)	10 % Casually Replecement, transport and	111	244	555	799
		Rs.			4.074
(b)	Planting, Natural fertilizer, neem cake etc.	10/plants	0	14871	14871
(c)			3968	4120	8808
(d)		L.S	10319	0	10319
	Total for 3rd year		28304	19546	47850
The second second	Year	1.6	6243	0	6243
(a)	1 weeding & soilworking	L.S	10318	0	10318
(b)	Protection & Maintenance of fencing/ Tending operation Total for 4th Year		16561	0	16561
5+1	hYear				
30	Protection & maintenance of fencing/ tending operation	L.S	8544	0	8544
	Total for 5th Year		8544	. 0	8544
6t	hYear				
	Protection & maintenance of fencing/ tending operation	L.S ·	10074	0	10074
	Total for 6th Year		10074	0	10074
_					
7	th Year Protection & maintenance of fencing/ tending operation	L.S	10487	0	10487
-	Total for 7th Year	1	10487	0	10487
8	th Year				
۴	Protection & maintenance of fencing/ tending operation	L.S	10973	0	10973
	Total for 8th Year		10973	0	10973
9	th Year				
100	Protection & maintenance of fencing/ tending operation	L.S	11180	0	11180
	Total for 9th Year		11180	0	11180
1	0 th Year		22200	-	
٦	Protection & maintenance of fencing/ tending operation	L.S	11329	0	11329
+	Total for 10th Year		11329	0	11329
-		 			

Note:

.(1) Seed sowing along fensing toword for inner side, and also in the plot

Grand Total

The Cost of Supervision/Subsequential Silvicultural operations

.(2) Planting of cutting of ipomea/Glaricidia along the fencing towards outer side

Compensatory afforestation will be done in 35.00 Ha Area

Total Cost Rs.: 1,92,70,860/-

188823

37765

226588

458830

91766

550596

Deputy Conservator of Forests, Baria

(Dr. Shabhita Agarwal)
Deputy Constitution of Forests
Social Forestry Division,

Gir-Sommath

2 2 SEP 2022

270007

54001

324008

20%

Annexure-3

Zone wise per ha species spectrum for degraded forest areas for Double Degradation area plantation for FCA proposals as also for Campa(CA) project plantations.

Model-3

- I. Plant population 1111 (3mx3m spacing)
- II. Density 1111 seedling/Ha.
- III. 1st Year replacement 20 % = 222 seedling /Ha.
- IV. 2nd Year replacement 20 % = 222 seedling /Ha.
- V. 3rd Year replacement 20 % = 222 seedling /Ha.
- VI. Total Seedling = 1777 seedling/Ha.

VII 1Polyot size: 15cm 2 25cm 2 200g Total 1111 plants/ Ha.

olyot size: 15cm z z5cm z zoog	Total TTT plants, Ta.
Central zone	· · · · · · · · · · · · · · · · · · ·
Species	Nos
Khair	150
Kanaj	100
Sadad	50
Bamboo	50
Bordi	25
Baheda	25
Mahuda .	50
Amla	200
Teak	200
Etc.	261
Total	1111
	Central zone Species Khair Kanaj Sadad Bamboo Bordi Baheda Mahuda Amla Teak Etc.

(R.M.Parmar)
Deputy Conservator of Forests,
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2 2 SEP 2022