Compensary Afforestation Scheme for double degraded area

Diversion of 0.0525 ha.RF of Forest land for Erection of 11 KV overhead electric line in forest area for electrification of 1 nos of Ag. connection At Gadkiya ness Village of Mendarda Taluka Gir Junagadh District.

Detailed scheme of Compensatory Afforestation for degraded area 01.00 ha. to be carried out in lieu of 0.0588 ha. of RF, forest land to be diverted in Junagadh district.

1. Details of degraded land.

Village	Sagodra
Taluka	Talala
Range	Talala
District	Gir Somnath
Division	Gir West Division, Junagadh
Block/Patal, Compartment No	Survey No.59 RF
Area to be afforested	1.00 Ha.
Working circle	

2. Description of Area.

Soil type	Black & Red Sandy
Topography	Plain
Slope	Predominantly Flat
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:-
 - (i) The Compensatory Afforestation on degraded area would be starred by as Dy.Conservator of Forest Gir West Division, Junagadh as early possible after the proposal is formally approved.
 - (ii) Compensatory Afforestaion will be done in 1.00 ha. area. The total afforestation cost will be about Rs.5,63,600/- (Five Lakh Sixty Three Thousand Six Hundred Only.) PGVCL Mendarda Sub Division has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges)

Technical Details:"Technical details of Compensatory Afforestation are as Follows:

Sr. No.	Details	Specifi	cations	
a	General Details	The C.A. will be taken under Condouble land on degraded Forest A 310.40 per day.	npensatory Areas. The	Afforestation for prevailing wage rate i
b	Spacement	3 X 3 mtr., 1111 plants per ha.		and the place of the control of the
С	Species to be planted			
	(No. of plants per ha.)	Khair	200	Minimum planting
		Kadaya	100	Height will be 100
		Bael	100	cm. at the time of
		Sadad	100	planting. However
		Salai	70	it will vary for different species.
		Baheda	50	different species.
		Kanji	150	
		Arjun Sadad	70	
		Aonla	100	
		Bamboo	101	
		Safed Khakhro (Butea monsoperma var, lutea),Anjan (Hardwickia binata), Dhauro (Anogeissus sericea	70	
		var.nummularia)		
		Total	1111	
d	Nursery Technique	Nine months old polypot raised pla monsoon.	ants will b	e planted at the onset
е	Site Preparation	The malformed rootstock present is site will be cleaned in the month of digging 45 x 45 x 45 cms. will be	f Nov-Dec	. Alignment & pit
f	Plantation Method	Polypot raised plants will be plan	nted durir	ng monsoon.
g	Soil & Moisture	(i) Pucca structure like Check	dam, ched	k wall, retaining wall
	Conservation Works	(ii) Contour trenches 2.00 x 0.4 along the contour line. the down ward side. Gully plug	dug out so	il will be heaped on the
		loose stone available in the requirement. Seeds of Jatroplanted during monsoon is suitability.	e area wil opha, Ag a	l be carried out as pe ave plants, etc. will be
h	Protection "French	Barbed wire fencing, Seed sowin Ipomea/ Glarcidia along the fenc		nting of cuttings of
i	Silvicultural Operations	Ist year three weeding soil work		port watering will be
		Provided if needed.		
		Provided if fleeded.		
		2'd year two weeding soil working. 3'dyear one weeding soil working.		

A	Maintenance	It is proposed to maintain the Plantation up to ten ears.
A	Subsequent	Cleanings outhooks thinning etc. (as per species specific requirement)
,	silvicualttiral Operation	will be carried out at the age as per prescribed in the working plan.
	Proposed monitoring	(i) A plantation register is to be maintained.
	mechanism	 (ii) Monitoring is to be done as per the following norms. Forester — 100% RFO — 100% ACF — 20% DCF — 10%t (iii) The recruits of survival etc. are maintained in the plantation register on it periodical basis, which is updated at the end the September and March each Year. (iv) The collar girth is also to be recorded at the end of each year. (v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species. except bamboo. (vi) Bamboo would be of the harvestable size by the end of 4" year. (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.
in	Regeneration cleaning	Cut-back and promotion of root suckers.
n	Silvicrilture & other activities	Only afforastation aimed plantation will be taken up, as the area falls under degrated forest land.

Deputy Conservator of Forest Gir West Division, Junagadh

The Compensatory Afforastation scheme at the cost th Rs.5,63,600/- is technically and administrative approved by the undersigned.

Deputy Conservator of Forest Gir West Division, Junagadh

Patrak-3

Compensatory Afforestration Scheme for double degraded area under FCA proposal Diversion of 0.9525 ha.RF of Forest land for Erection of 11 KV overhead electric line in forest area for electrification of 1 nos of Ag. connection At Gadkiya Village of Mendrada Taluka Junagadh District.

Daily wages Rs.310.40

d Year	12			
tal for 1st year		57760	22650	804
Contigency		0	1168	110
Tending to natural vegetation		1168	0	116
Protection / tending operation		8076	0	80
Support watering 5 times @ 3.25		14430	20706	351
) 3 weeding cum soil working	1111	22574	0	225
Transport & planting of seediling for casualty replacement	111	402	44	4
) Planting with khamna of Min 1 m dia	1111	5792	0	57
) Transport of seedling for plantation	1111	1884	389	22
) Maintenance of nursery (April to June)	1222	3434	343	37
st Year	1000	2424	242	
otal for 0 year		37025	84436	1214
otal		8246	71832 84436	1214
c) Brush Wood				000
b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the ence	CMt	1110	476	15
a) Barbed wire fencing	L.S.	7136	71356	784
. Protection				
otal		9098	0	90
b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9098	0	90
a) forest pond	L.S.	0	0	
B. SMC Works				
rotal	-	0	9910	99
a) Natural fertilizer (Neem cake/ Castor cake)	1111@ 5.00	0	9910	99
Fotal		13080	0	130
b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1222@6.00	9715	0	9
a) Survey, cutback and promotion of root suckers		3365	С	3:
2. Area Development (Land Preparation)				
Total		6601	2694	9
d) Seedling cost for casuality replacement in two year old (10%)	111	708	210	
bags,showing of seeds, watering shifting, weeding etc. (c) Seedling cost for casuality replacement in one year old (20%)	222	1415	422	1
fartillizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casuality replacement) (b) labour: Preparation of beds, filling and arranging of	1222	4478	232	4
(a) Cost of soil, ,manure, seeds, water,	1222	0	1830	1
0 year Nursery				
1	2	3	4	5
Item of work	Qty.	Labour	Material	Tota
Polypot size : 15 cm X 25 cm X 200				
Total Seedlings = 1333 seedling / ha				
2nd year replacement 20 % = 111+111 seedling / ha 3rd year replacement 10 % = 111 seedling / ha				
1st year replacement 10 % = 111 seedling / ha				

Item of work 2 weeding & soil working	Qty.	Labour	Material	Total
(b) 20 % Casually replecement, transport and planting		12537	· ·	12537
(c) Natural fertilizer (neem cake / caster cake) etc.	111+111	211		1261
(d) Support watering 3 times @ 3.25	Rs.5/ plant	0	11712	11712
(e) Protection / tending operation		9377	13459	22836
Total for 2nd year		9624	0	9624
3rd Year		31749	26221	57970
(a) 2 weeding & soil working				
(b) 10 % Casually replecement, transport and planting		13502	0	13502
(b) Natural fertilizer, neem cake etc.	222	113	566	679
(c) Support watering 1 times @ 3.25	Rs.5/ plant	0	12613	12613
(d) Protection & maintenance (f)		3367	4831	8198
(d) Protection & maintenance of fencing / tending operation Total for 3rd year	L.S.	11402	0	11402
4thYear		28384	18010	46394
(a) 1 weeding & soil working		7232	0	7232
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	13437	0	13437
Total for 4th year		20669	0	20669
5thYear		-		20009
Protection & maintenance of fencing/ tending operation	L.S.	15766	0	15700
Total for 5th year		15766	0	15766
6thYear		13.00		15766
Protection & maintenance of fencing/ tending operation	L.S.	18426		10.00
Total for 6th year			0	18426
7thYear		18426	0	18426
Protection & maintenance of fencing/ tending operation	L.S.	04.40.4		
Total for 7th year	L.G.	21461	. 0	21461
8thYear		21461	0	21461
Protection & maintenance of fencing/ tending operation	L.S.			
Total for 8th year	L.S.	24919	0	24919
9thYear		24919	0	24919
Protection & maintenance of fencing/ tending operation				
Total for 9th year	L.S.	28854	0	23854
10thYear		28854	0	28854
Protection & maintenance of fencing/ tending operation				
Total for 10th year	L.S.	33325	0	33325
SubTotal		33325	0	33325
	7	318338	151317	469655
Total cost of supervision/subsequentalsilvicultureal operations	20%	63668	30263	93931
Grand Total		2000		00001
Say Amount Rs.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	382006	181580	563586
Note :-				563600

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

Dy. Conservator of Forests Gir West Division, Junagadh

Annexure - 1

Proposed area for double degradation afforestation as well as for CAMPA (CA) projects for barren degraded forest areas

S.No.	Name of FCA proposal Division		Remarks
1	2	double degradation afforestation	
1	Gir (West) Division, Junagadh	3 Cir. (10/2 - 4) Di i i i i i i i i i i i i i i i i i i	4
·	on (vveet) bivision, bullagaun	Gir (West) Division, Junagadh	
			•

Date: / /2020 Place: Junagadh

Deputy Conservator of Forests Gir (west) Division, Junagadh Compensatory Afforestration Scheme for double degraded area under FCA proposal Diversion of 0.0525ha.RF of Forest land for Erection of 11 KV overhead electric line in forest area for electrification of 1 nos of Ag. connection At Gadkiya Village of Mendrada Taluka Junagadh District.

Spacements = 3 m x 3 m			aily wages	Rs.310.4
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				
Polypot size : 15 cm X 25 cm X 200				
Item of work	Qty.	Labour	Material	Total
1	2	3	4	5
0 year Nursery				
(a) Cost of soil, manure, seeds, water, fartillizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casuality replacement)	1222	0	1830	183
(b) labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222	4478	232	47
(c) Seedling cost for casuality replacement in one year old (20%)	222	1415	422	183
(d) Seedling cost for casuality replacement in two year old (10%)	111	708	210	91
Total		6601	2694	929
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3365	0	336
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1222@6.00	9715	0	971
Total		13080	0	1308
(a) Natural fertilizer (Neem cake/ Castor cake)	1111@ 5.00	0	9910	991
Total	1	0	9910	99′
3. SMC Works				
(a) forest pond	L.S.	0	0	
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9098	0	909
Total		9098	0	909
4. Protection				
a) Barbed wire fencing	L.S.	7136	71356	784
b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the ence		1110	476	15
c) Brush Wood	CMt	0	0	
Total .		8246	71832	800
Total for 0 year		37025	84436	1214
st Year	77	,		
a) Maintenance of nursery (April to June)	1222	3434	343	37
b) Transport of seedling for plantation	1111	1884	389	22
c) Planting with khamna of Min 1 m dia	1111	5792	0	57
d)Transport & planting of seediling for casualty replacement	111	402	44	4
a) 3 weeding cum soil working	1111	22574	0	225
) Support watering 5 times @ 3.25		14430	20706	351
p) Protection / tending operation		8076	0	80
n) Tending to natural vegetation		1168	0	11
		0		- 11
otal for 1st year		57760	1168	804
otal for 1st year		2//00	22650	804

Item of work	Qty.	Labour	Mater		otal
2 weeding & soil working	11 2	12537		0	12537
20 % Casually replecement, transport and planting	111+111	211	1	050	1261
Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	11	712	11712
) Support watering 3 times @ 3.25		9377	13	459	22836
Protection / tending operation		9624		0	9624
otal for 2nd year		31749	26	221	57970
d Year					
) 2 weeding & soil working		13502		0	13502
) 10 % Casually replecement, transport and planting	222	113		566	679
) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	1:	2613	12613
) Support watering 1 times @ 3.25		3367		4831	8198
) Protection & maintenance of fencing / tending operation	L.S.	11402		0	11402
otal for 3rd year		28384	1	8010	46394
thYear					
a) 1 weeding & soil working		7232	2	0	7232
p) Protection & Maintenance of fencing/ Tending operation	L.S.	1343	7	0	13437
otal for 4th year		2066	9	0	20669
thYear					
Protection & maintenance of fencing/ tending operation	L.S.	1576	6	0	15766
otal for 5th year		1576	6	0	15766
sthYear					
Protection & maintenance of fencing/ tending operation	L.S.	1842	26	0	18426
Total for 6th year		1842	26	0	18426
7thYear					2112
Protection & maintenance of fencing/ tending operation	L.S.	214		0	2146
Total for 7th year		214	61	0	2146
8thYear					0.404
Protection & maintenance of fencing/ tending operation	L.S.	249		0	2491
Total for 8th year		249	919	0	2491
					200
9thYear Protection & maintenance of fencing/ tending operation	L.S.		854	0	
		28	854	0	288
Total for 9th year					200
10thYear	L.S.	1	325	C	
Protection & maintenance of fencing/ tending operation		33	3325	(
Total for 10th year		31	8338	15131	
SubTotal	s 20%	6	3668	3026	3 93
SubTotal Total cost of supervision/subsequentalsilvicultureal operation		20	2006	18158	0 563
Grand Total		38	2000	.5.50	563

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

Dy. Conservator of Forests Gir West Division, Junagadh

Rate Structure for Compensatory Afforestation Scheme

93931 563586															
	469655	33325	28854	24919	21461	18426	15766	20669	46394	57970	80410	121461	1.00	Increased by 10% Year	B 2
68993 413958	344965	15869	14427	13115	11923	10839	9854	13779	33138	44592	67009	110420	1.00	A Normal Rate	
77	The state of the s	The street of th	11 11 11 11 11 11 11 11 11 11 11 11 11	The property of	High Carlo of the	Carlotte Application	大学 できる はいかんかん	10 M 10 2 2 2 2	The charte of the	The state of the s	はないという		Total Control		
93931 563586	469655	33325	28854	24919	21461	18426	15766	20669	46394	57970	80410	121461	1.00	Increased Rate par 1.00 Ha .by 10% Year	8
68993 413958	344965	15869	14427	13115	11923	10839	9854	13779	33138	44592	67009	110420	1.00	Normal Rate par 1.00 Ha.	→
					i	=	5	ď	œ	7	6	5	4	S	2
17 18	16	15	14	13	13	1	5	,				,	1		_
20% Add Grand Total	Total 2	6th Year 7th Year 8th Year 9th Year 10th Year	9th Year	8th Year	7th Year	6th Year	5th Year	4th Year	3rd Year	2nd Year	1st Year	0 Year	Hactor	Rate	No Sr.
														Model-3 1111 Pt/Ha.	odel-

Dy. Conservator of Forests Gir West Division, Junagadh

NB:(2)-

2 Year-B=A +30% of A 3 Year-B=A +40% of A 4 Year-B=A +50% of A 5 Year-B=A +60% of A

> 9 Year-B=A +100% of A 10 Year-B=A +110% of A

NB:(1)

For Different Years the rate shown for B has been dervied

from A as Follows 0 Year-B=A +10% of A

1 Year-B=A +20% of A

6 Year-B=A +70% of A 7 Year-B=A +80% of A 8 Year-B=A +90% of A

In column 17 the additional 20% is lowards the cost of supervision/subsequentals/livicultureal operations

563600	Total			7/										H		
563586	93931	33325	28854	24919	21461	18426	15766	20669	46394	57970	80410	121461	469655			Total
39990	6665	33325	0	0	0	0	0	0	0	0	0	0	33325	i		10th year operation Maint of 9 years old plantation.
34625	5771	0	28854	0	0	0	0	0	0	0	0	0	28854			9th year operation Maint.of 8 years old plantation.
29903	4984	0	0	24919	0	0	0	0	0	0	0	0	24919			8th year operation Maint.of 7 years old plantation.
25753	4292	0	0	0	21461	0	0	0	0	0	0	0	21461			7th year operation Maint of 6 years old plantation.
22111	3685	0	0	0	0	18426	0	0	0	0	0	0	18426			6th year operation Maint.of 5 years old plantation.
18919	3153	0	0	0	0	0	15766	0	0	0	0	0	15766	1 20 d n		5th year operation Maint.of 4 years old plantation.
24803	4134	0	0	0	0	0	0	20669	0	0	0	0	20669			4th year operation Maint.of 3 years old plantation.
55673	9279	0	0	0	0	0	0	0	46394	0	0	0	46394			3rd Year operation Maintanance of 2 years old plantation.
69564	11594	0	0	0	0	0	0	0	0	57970	0	0	57970			2nd Year operation Maintanance of one year old plantation.
96492	16082	0	0	0	0	0	0	0	0	0	80410	0	80410	-		Ist Year 30 % Advance work Current year plantation
145753	24292	0	0	0	0	0	0	0	0	0	0	121461	121461	1.00	Model-3	0 Year 70 % Adv.work. Ist Year Operation.
Total Rs.	20%	10th Year	9th Year	8th Year	7th Year	6th Year	5th Year	4th Year	3rd Year	2nd Year	1st Year	0 Year	Нас.	H.A.		
/						Amount							Rate per	Area	Model No.	Name of works

Dy. Conservator of Forests Gir West Division, Junagadh