Compensary Afforestation Scheme for double Degraded area

A Proposal for Diversion of 16.20 Ha. Forest land for widening of Gandhinagar K-7-Randheja-Balva-Mansa Road KM (5/200 to 15/500) (FP/GJ/ROAD/154609/2022).

Detailed scheme of Compensatory Afforestation for degraded area 16.20 ha. to be carried out in lieu of 33.00 ha. of Reserved forest land to be diverted in Mahesana district.

1. Details of degraded land.

Village	Satlasana
Taluka	Satlasana
Range	Dharoi
District	Mahesana
Division	Gandhinagar
Block/ Patal, Compartment No.	375 (Old S.No.139)
Area to be afforested	33.00 Ha.
Working circle	F.S/ C.No. 11/6 & 5
	paiki year 2017-18
	to 2027-28

2. Description of Area.

Soil type	Murrumy
Topography	Plain/Revines
Slope	Medium &
	Gentle
Whether the area is bearing any root stock of	Yes
Vegetation	

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Degraded Area.

4. Schedule of Plantation Programme:-

- (i) The Compensatory Afforestation on Non forest area would be started by Dy.Conservator of Forest Gandhinagar Division as early as possible after the proposal is formally approved.
- (ii) Compensatory Afforestation will be done in **33.00** ha. area. The total afforestation cost will be about **Rs.1,96,63,677/-** Executive Engineer, Capital Project Division No.3, Patnagar Yojna Bhavan, Sector-16, Gandhinagar 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		Specifica	ations		•	
a	General Details	The C.A. wil	l be taken under Comp The prevailing wage ra	ensatory A	Afforestation for I	Non	
b	Spacement	3 X 3 mtr., 1	111 plants per ha.		o per day.		
С	Species to be planted (No. of plants per ha.)	Sr.No.	Species to be Plants	Nos.	Plants Hights		
		1	Neem	300	75 cm	-	
		2	Kanji	100	75 cm	+	
		3	Arjun Sadad	100	90 cm	1	
		4	Bamboo	111	65 cm		
		5	Jamun	50	75 cm		
		6	Biyo	50	90 cm	, .	
		7	Rayan	30	75 cm		
		8	Baheda(Terminalia)	40	90 cm		
		9	Kadayo	50	65 cm	-	
		10	Vad	50	90 cm	-	
		11	Simalo	50	75 cm	1	
		12	Kosam	30	75 cm		
		13	Khijdo	20	65 cm	-	
		14	Amali	30	75 cm		
		15	Others	100	75 cm to 90		
					cm		
,			Total	1111			
d	Nursery Technique	Nine month onset of mon	s old polypot raised	plants wil	l be planted at	the	
e	Site Preparation		ned rootstock present	in the arc	a varill he outher	· · ·	
		the site will	be cleaned in the mont	th of Nov-1	a wiii be cutbac	K&	
		digging 45 x	45 x 45 cms. will be ca	rried out	in the manth of t	z pit	
		Jan.	20 00	rica out	in the month of I	Jec-	
f	Plantation Method	Polypot raise	ed plants will be plante	d during n	nonsoon		
g	Soil & Moisture	Polypot raised plants will be planted during monsoon. (i) Pucca structure like Check dam, check wall, retaining wall					
	Conservation Works	(i) Pucca structure like Check dam, check wall, retaining wall (ii) Contour trenches 2.00 x 0.45 x 0.30, 300 Nos/ha.will be					
		dug al	ong the contour line. t	he dug ou	t soil will be been	nod nod	
		on the	e down ward side. Gu	illy nluggi	ng & Nala Rand	peu	
		using	The loose stone availa	ble in the	area will be com	uivy	
		out as	s per requirement. See	eds of late	onha. Agava ala	nta	
		etc.	will be planted during	monsoon	in the upper side	e of	
		naia a	s per suitability.		,	, ,	

h	D	9
11	Protection Trench	Barbed wire fencing, Seed sowing And planting of cuttings of
i	Cil	Ipomea/Glarcidia along the fence
1	Silvicultural	1styear three weeding soil working, Support watering will be
	Operations	provided if needed.
		2 nd year two weeding soil working.
-		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
	silvicualtural	requirement) will be carried out at the age as per prescribed in
	Operation	the working plan.
1	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%
		(iii) 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.
		(iv) At the end of maintenance period, the area is aimed at full
		stocking and pole crop girth for all the species, except
		bamboo.
		(v) 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	Only afforestation aimed plantation will be taken up, as the area
	activities	falls under degraded forest land.

(Dr.C.M.Shanadre)
Dy. Conservator of Forest
Gandhinagar Forest Division
Gandhinagar

The Compensatory Afforestation scheme at the cost of **Rs.1,96,63,677/-** is technically and administrative approved by the undersigned.

(Dr.C.M.Shanadre)

Dy. Conservator of Forest

Gandhinagar Forest Division

Gandhinagar 0 4 OCT 2022 **Sub:-** A Proposal for Diversion of **16.20 Ha.** Forest land for widening of Gandhinagar K-7-Randheja-Balva-Mansa Road KM (5/200 to 15/500) (FP/GJ/ROAD/154609/2022). Detailed scheme of Compensatory Afforestationfor degraded area 16.20 ha. to be carried out in lieu of 33.00 ha. of Reserved forest land to be diverted in Mahesana district.

Daily wages Rs. 355.30

Spacements = 3 m x 3 m				
1111 seedling / Ha	and the second s			
1st year replacement 10 % = 111 seedling /ha	and the second s	er film der er film film der en veren verderen veren er en veren verde film damme der der en verde film		
2nd year replacement 20 % = 111+111 seedling /ha		Construction by the second section of the section of		,
3rd year replacement 10 % = 111 seedling /ha				
Total Seedlings = 1333 seedling /ha	urturosite e a contributorio de contrato en para sistem estratologia a disease e en dec	ticke i konskrigen op en en de en de en en gred han val konskrige e de en gen i de en gen i de en gred om en g	Committee of the Commit	
Polypot size: 15 cm x 25 cm x 200		ndinesten taavat kan ing a ndingatiiga salam india semalam n nee e ee aankaa argiisma sedh		
Item of work	Qty.	Labour	Material	Total
Rem of Work				
1	2	3	4	5
0 year				
Nursery				
(a) Cost of soil, ,manure, seeds, water,	1222	0	2096	2096
fartillizer, insecticides, implements, rent of lands.				
Shade, etc. (including 10 % for casuality replacement)				
(b) labour : Preparation of beds, filling and arranging of	1222	5125	265	5390
bags, showing of seeds, watering shifting, weeding etc.				
(c) Seedling cost for casuality replacement in one year old	222	1619	485	2104
(20%)				
(d) Seedling cost for casuality replacement in two year old	111	811	241	1052
(10%)				
Total		7555	3087	10642
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3852	0	3852
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111@ 6.00	11121	0	11121
Total		14973	0	14973
(a) Natural fertilizer (Neem cake/ Castor cake)	1111@5.00	0	11344	11344
Total		0	11344	11344
3. SMC Works				
(a) Check wall/retaining wall /checkdem (all pucca only)	L.S.	13681	27158	40839
(b) Contour trench 2 M x 45 Cm x 30 Cm as per	600 rmt.	10414	0	10414
Rs.17.00/rmt		1011		10111
(300 trench)				
Total		24095	27158	51253
4. Protection				
(a) Barbed wire fencing	Rmt. 450	13119	118064	131183
(b) Seed sowing and planting of cuttings of Ipomea/		1270	546	1816
Glaricidia along the fence		1270	340	1010
Total		14389	118610	132999
Sub Total of 0 year		61012	160199	221211
1st Year			1001)	221211
(a) Maintenance of nursery (April to June)	1222	3932	392	4324
(b) Transport of seedling for plantation	1111	2157		2603
(c) Planting with khamna of Min 1 m dia	1111	6629		6629
(d)Transport of seediling for casualty replacement	111	230		282
(e) 3 weeding cum soil working	1111	25840	A STATE OF THE OWNER,	25840
(f) Support watering 5 times @ 3.25		16518	the second of the Confession of the confession of the second of the seco	40220
The post watering 5 times (a) 5.25		Charles at the second in the second depretable for the city and the second of the contract of	the part and divine the conference contracts and the contract of the contract	
(g) Protection / tending operation		5346	()	5244
(g) Protection / tending operation		5346 1337	Contract to the second section of the second section is a second section of the second section of the second section is a second section of the second section	Section of the Park of the Par
(g) Protection / tending operation (h) Tending to natural vegetation (i) Contigency		5346 1337	0	5346 1337 1337

2nd Year				****
(a) 2 weeding & soil working		1.405.4		
(b) 20 % Casually replecement, transport and planting		14351	0	14351
(c) Natural fertilizer (neem cake / caster cake) etc.	111+111	241	1201	1442
(d) Support watering 3 times @ 3.25	Rs.5/ plant	0	13406	13406
(e) Protection / tending operation		10733	15406	26139
Total for 2nd year	**************************	5792	0	5792
3rd Year		31117	30013	61130
(a) 2 weeding & soil working	Presidential exception of the control of the exception of the control of the cont	ALTO CARD MINOR CONTRACTOR CONTRA		
(b) 10 % Casually replecement, transport and planting		15456	0	15456
(c) Natural fertilizer, neem cake etc.	111	130	648	778
(d) Support watering 1 times @ 3.25	Rs.5/ plant	0	14437	14437
(e) Protection & maintenance of fencing / tending		3854	5530	9384
operation a maintenance of fencing / tending	L.S.	7797	0	7797
Total for 3rd year		27237	20615	45050
4thYear		2/23/	20615	47852
(a) 1 weeding & soil working		8279	0	0270
(b) Protection & Maintenance of fencing/ Tending	L.S.	8353	0	8279
operation	5.5.	0555	U	8353,
Total for 4th year		16632	0	16632
5thYear		10032	-	10032
Protection & maintenance of fencing/ tending operation	L.S.	8910	0	8910
Total for 5th year		8910	0	8910
6thYear	***************************************	0710	-	0710
Protection & maintenance of fencing/ tending operation	L.S.	9467	0	9467
Total for 6th year		9467	0	9467
7thYear		7107	0	7407
Protection & maintenance of fencing/ tending operation	L.S.	10024	0	10024
Total for 7th year		10024	0	10024
8thYear		10021	-	10024
Protection & maintenance of fencing/tending operation	L.S.	10581	0	10581
Total for 8th year		10581	0	10581
9thYear		10001	-	10301
Protection & maintenance of fencing/ tending operation	L.S.	11138	0	11138
Total for 9th year		11138	0	11138
10thYear		11130	0	11130
Protection & maintenance of fencing/ tending operation	L.S.	11695	0	11695
Total for 10th year		11695	0	The second secon
SUB TOTAL:		259802	236756	11695
The Cost of Supervision/subsequental silvicultureal	20%	51960	47351	496558
Operations	2070	31,000	7/331	99311
		311762	284107	595869
		J.I. 102	20410/	393869

Note:-

(1) Seed sowing along fencing towards the 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.

 Par Cost
 Rs.

 1 Ha cost
 595869.00

Ha. 33.00

The Total Total Cost Rs. 19663677.00

(Dr.C.M.Shanadre) Dy. Conservator of Forest Gandhinagar Forest Division Gandhinagar

0 4 OCT 2022

Sub: A Proposal for Diversion of 16.20 Ha. Forest land for widening of Gandhinagar K-7-Randheja-Balva-Mansa Road KM (5/200 to 15/500) (FP/GI/ROAD/154609/2022). Detailed scheme of Compensatory Afforestationfor degraded area 16.20 ha, to be carried out in lieu of 33.00 ha, of Reserved forest land to be diverted in Mahesana district.

Name of works	Model	Area	Rate per					Am	ount (Daily w	Amount (Daily wage: 8s.355.30)					
			(114.)	Zero Year Rs.	ist Year Rs.	Hnd Year Rs.	III rd Year Rs.	IVth Year Rs.	Vth Year Rs.	Vith Year Rs.	Vilth Year Rs.	VIIIth Year Rs.	Exti Year	Xth Year Rs.	Total Rs.
0 Year 70 % Adv.work. Ist Year Operation.	SMC	33.00	221211	7299963	0	0	0	0	0	0	0	0	0	0	7299963
Ist Year 30 % Advance work Current year plantation			81618	0	2901294	0	0	0	0	0	0	0	0	0	2901294
2nd Year operation Maintanance of one year old plantation.			61130	0	0	2017290	0	0	o	0	0	0	0	0	2017290
3rd Year operation Maintanance of 2 years old plantation.			47852	0	0	0	1579116	0	0	0	0	0	θ	0	1579116
4th year operation Maint. of 3 years old plantation.			16632	0	0	0	0	548856	0	0	0	0	0	0	548856
5th year operation Maint. of 4 years old plantation.			8910	0	0	0	0	0	294030	0	0	5	0	0	294030
6th year operation Maint of 5 years old plantation.			9467	0	0	0	0	0	0	312411	0	0	Φ	0	312411
7th year operation Maint. of 6 years old plantation.			10024	0	0	0	0	0	0	0	330792	0	0	0	330792
8th year operation Maint. of 7 years old plantation.	AUTES		10581	0	0	0	0	0	0	0	0	349157	0	0	349157
9th year operation Maint. of 8 years old plantation.			11138	0	0	0	0	0	0	0	0	0	367554	0	367554
10th year operation Maint of 9 years old plantation.			11695	0	0	0	0	0	0	0	0	0	0	385935	385935
SUB Total (+/- 2)			496558	7299963	2901294	2017290	1579116	548856	294030	312411	330792	349157	367334	385955	10380398
The Cost of Supervision / Subsequental/Silvicultureal opertion (20%)			99311	t	***************************************	t		•							3277280
GRAND Total			595869	7299963	2901294	2017290	1579116	548856	294030	312411	330792	34915/	400700	363933	13003077

(Dr.C.M.Shanadre)
Dy. Conservator of Forest
Gandhinagar Forest Division
Gandhinagar

Gandhinagar

Diversion of 16.20 Ha. for Road widening- K7 to Radheja to Balva

CALand 33 00 HA Satalasana, Dist. Mahe Sr.No 375 (Old Sr.No 1; Range. Dharoi

(DR. C. M. SHANADRE)

Dy. Conservator of Forest
Gandhinagar Division
Gandhinagar

0 4 OCT 2022

Google Eart