Annexure-19

Compensary Afforestation Scheme for double degraded area

Diversion of area 46.00 Ha. of Proposal for forest land for Non-forest Purpose in protected forest land for widening & Strengthening to 4 lane of Vav cross road (Ch, km. 92/320) to Kheralu cross road (Ch. Km.115/320) section on NH 58 in Satlasana & Kheralu Taluka of district Mehsana State of Gujarat

Detailed scheme of Compensatory Afforestation for degraded area 92.00 ha. to be carried out in lieu of 46.00 Ha. of forest land to be diverted in Mehsana district.

Details of degraded land. 1.

Village	Nanabaval
Taluka	Khedbrahma
Range	RDF Khedbrahma
District	Sabarkantha
Division	Sabarkantha Normal
Block/ Patal, Compartment No./Survey no.	13
Areato be afforested	92.00 Ha.
Working circle	REWC
Couple no	8,9
Felling Series	XXXI

Description of Area. 2.

Soil type	Black & Stoney
Topography	Plain
Slope	Medium & Gentle
Whether the area is bearing any root stock of Vegetation	Yes

Name of Plantation Programme:-3.

Compensatory Afforestation Scheme for Degraded Area.

Schedule of Plantation Programme:-4.

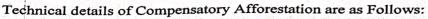
> The Compensatory Afforestation on degraded area would be started by (i) Dy. Conservator of Forest Sabarkantha Division Himmatnagar as early as possible after the proposal is formally approved.

Compensatory Afforestation will be done in 92.00 ha.area. The total (ii) afforestation cost will be about Rs.4,87,98,565/- Executive Engineer, Division Tdas, has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

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W. A. Desai) Dy. Conservator of Forests Extension Division, Mehsana

Technical Details:-



188	Sr. Details	Specifications				
	a General Details	The C.A. will be taken under Com Afforestation for double land prevailing wage rate is 340.20 per	on degrad	led Forest Areas. The		
1	b Spacement	3 X 3 mtr., 1111 plants per ha.	43,652,753			
(Species to be planted					
	(No. of plants per ha.)		333	65 cm		
		Teak	388	Stamp of Minimum 6 cm girth		
		Custard apple	166	50 cm		
		Cassia fistula	55	50 cm		
		Bamboo	55	50 cm		
		Kuvad	6	50 cm		
		Vad, pipal, khati amli, arjun sadad	55	65 cm		
		Limdo, Kothi, Kadayo, Bili	53	50 cm		
1		Total	1111			
е	Site Preparation	The malformed rootstock present site will be cleaned in the mont digging 45 x 45 x 45 cms. will be Jan.	h of Nov-	Dec. Alignment & pit		
f	Plantation Method	Polypot raised plants will be planted	d during me	onsoon.		
g.	Soil & Moisture Conservation works	(i) Pucca structure like Check of (ii) Contour trenches 2.00 x 0.4 along the contour line, the of down ward side. Gully public Chekdem, Van Talavadi using area will be carried out as per Agave plantsetc. will be upper side of nala as per suit	45 x 0.30, 3 dug out soi olugging & ng The looser requirem e planted o	300 Nos/ha.will be dug I will be heaped on the Nala Banding, small se stone available in the tent. Seeds of Jatropha,		
h	Protection Trench	Barbed wire fenching, Seed sowi Ipomea/Glarcidia along the fence		lanting of cuttings of		
i	Silvicultural Operations	1 st year three weeding soil work provided if needed.	ing, Supp	ort watering will be		

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Dy. Conservator of Forests Extension Division, Mehsana



/		2 nd year two weeding soil working. 3 rd year one weeding soil working.
	Maintenance	It is proposed to maintain the Plantation up to ten years.
	Subsequent Silvicualtural Operation	Cleaning, Cutbacks, Thinning etc. (as per species specific requirement) 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% (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) The collar girth is also to be reordered at the end of each year. (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. (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.
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 Sabarkantha, Himatnagar

Dy. Conservator of Forests Extension Division, Mehsana

Detailed scheme of Compensatory Afforestation to be carried out in lieu 46.00 Ha. Proposal for diversion of (Area 46 Ha.) forest land for Non-forest Purpose in protected forest land for widening & Strengthening to 4 lane of Vav cross road (Ch. km. 92/320) to Kheralu cross road (Ch. Km. 115/320) section on NH 58 in Satiasana & Kheralu Taluka of district Mehsana State of the satiasana widening to 4 lane of Vav cross road (Ch. km. 92/320) to Kheralu cross road (Ch. Km. 115/320) section on NH 58 in Satiasana & Kheralu Taluka of district Mehsana State of the satiasana widening to 4 lane of Vav cross road (Ch. km. 92/320) to Kheralu cross road (Ch. Km. 115/320) section on NH 58 in Satiasana & Kheralu Taluka of district Mehsana State of the satiasana widening to 4 lane of Vav cross road (Ch. km. 92/320) to Kheralu cross road (Ch. km. 115/320) section on NH 58 in Satiasana & Kheralu Taluka of district Mehsana State of the satiasana widening to 4 lane of Vav cross road (Ch. km. 92/320) to Kheralu cross road (Ch. km. 115/320) section on NH 58 in Satiasana & Kheralu Taluka of district Mehsana State of the satiasana widening to 4 lane of Vav cross road (Ch. km. 92/320) to Kheralu cross road (Ch. km. 115/320) section on NH 58 in Satiasana & Kheralu Ch. km. 115/320 section on NH 58 in Satiasana with the satiasana widening to 4 lane of Vav cross road (Ch. km. 92/320) to Kheralu cross road (Ch. km. 115/320) section on NH 58 in Satiasana & Kheralu Ch. km. 115/320 section on NH 58 in Satiasana with the satiasana widening to 4 lane of Vav cross road (Ch. km. 92/320) to Kheralu cross road (Ch. km. 92/320) to Kheralu cross road (Ch. km. 92/320) to 115/320 section on NH 58 in Satiasana widening to 115/320 section on NH 58 in Satiasana widening to 115/320 section on NH 58 in Satiasana widening to 115/320 section on NH 58 in Satiasana widening to 115/320 section on NH 58 in Satiasana widening to 115/320 section on NH 58 in Satiasana widening to 115/320 section on NH 58 in Satiasana widening to 115/320 section on NH 58 in Satiasana wid

rears old plantation. 6th year operation Maint.of 5 years old plantation 10th year operation Maint of 9 rears old plantation. Ath year operation Maint of 8 8th year operation Maint.of 7 years old plantation. 7th year operation Maint of t 5th year operation Maint of 4 3rd Year operation Maintanance of 2 years old plantation. 2nd Year operation Maintanance of one year old plantation. ith year operation Maint.of 3 rears old plantation. Current year plantation lst Year 30 % Advance work lst Year Operation. ears old plantation. ars old plantation. Year 70 % Adv.work Name of works Model-3 Model No. 92.00 Area F Rate per 442016 15619116 7997192 169773 Hac 11563 11012 10461 5044 86926 1645 47311 9911 8810 15619116 0 Year 7997192 1st Year 2nd Year 5560848 4352612 1512940 5560848 3rd Year 4352612 1512940 4th Year 5th Year 810520 810520 Amount 6th Year 861120 861120 7th Year 911812 911812 8th Year 962412 962412 9th Year 1013104 1013104 10th Year 1063796 1063796 8133093 48798565 Daily wages Rs.351.30 1112170 870522 1599438 3123823 212759 202621 302588 20% 192482 182362 172224 162104 Total Rs. 1276555 18742939 1215725 5223134 1154894 1094174 1033344 1815528 6673018 972624

Dy. Conservator of Forests
Extension Division, Mehsana

TH. J. THAKKAL Dy.Conservator of Forests Detailed scheme of Compensatory Afforestation to be carried out in lieu 46.00 Ha of Proposal for diversion of (Area 46 Ha.) forest land for Non-forest Purpose in protected forest land for widening & Strengthening to 4 lane of Vav cross road (Ch, km. 92/320) to Kheralu cross road (Ch. Km.115/320) section on NH 58 in Satlasana & Kheralu Taluka of district Mehsana State of Gujarat

Sabarkhantha Normal Division, Himatnagar

Sr.No.	Name of Village	Taluka	District	Couple No	Forest Survey No.	Total area.	Area Carried out of C.A. ha.	Callina	for C.A. in ha.
						216.09	0.00	92.00	124.09
1	Nanabaval	Khedbrahma	Sabarkantha	8,9	13	210.07		11/1/1/	1/1

Dy.Conservator of Forest

Sabarkantha, Himatnagar

(Y. A. Desai)

Dy. Conservator of Forests

Extension Division, Mehsana





Daily wages Rs 351.30

Model No - 3

Compensatory Afforestration Scheme for Duble dgraded area under FCA Proposal

Diversion of 46.00 Ha. forest land for Non-forest Purpose in protected forest land for widening & Strengthening to 4 lane of Vav cross road (Ch, km. 92/320) to Kheralu cross road (Ch. Km.115/320) section on NH 58 in Satlasana & Kheralu Taluka of district Mehsana State of Gujarat. (C.A. 92.00 Ha.)

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				
2nd year replacement 20 % = 111+111 seedling / ha 3rd year replacement 10 % = 111 seedling / ha				
3rd year replacement 10 % = 111 seedling / ha				
Total Seedlings = 1333 seedling / ha				
Polypot size: 15 cm X 25 cm X 200		6.0		
Item of work	Qty.	Labour	Material	Total
0 year	2	3	4	5
Nursery				
(a) Cost of soil, ,manure, seeds, water, fartillizer, insecticides, implements, rent of lands.	1222	0	2071	2071
(b) labour : Preparation of beds, filling and arranging of	1222	5068	263	5331
(c) Seedling cost for casuality replacement in one year old (20%)	222	1601	479	2080
(d) Seedling cost for casuality replacement in two year old (10%)	111	802	239	1041
Total		7471	3052	10523
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3808	0	3808
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @17.00	10996	0	10996
Total		14804	0	14804
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	11216	11216
Total _	with the state of the	0	11216	11216
3. SMC Works				7 T T T
	L.S.	13527	26852	40379
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	10297	0	10297
Total		23824	26852	50676
4. Protection				(a - 497) y- s.
(a) Barbed wire fencing (par Ha Rmt) 1	100	36342	44417	80759
b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the		1256	539	1795
Total .		37598	44956	82554
otal for 0 year		83697	86076	169773
st Year				
a) Maintenance of nursery (April to June)	222	3887	389	4276
p) Transport of seedling for plantation	111	2132	440	2572
e) Planting with khamna of Min 1 m dia	111	6556	0	6556
)Transport & planting of seediling for casualty replacement 1	11	228	50	278

(OA. Deszi) Dy. Conservator of Forests Extension Division, Mehsana

weeding cum soil working	1111			
Support watering 5 times @ 3.25		25549	0	25549
(g) Protection / tending operation		16332	23435	39767
(h) Tending to natural vegetation		5286	0	5286
(i) Contigency		1321	0	1321
Total for 1st year		0	1321	1321
2nd Year		61291	25635	86926
(a) 2 weeding & soil working				
(b) 20 % Casually replecement, transport and planting		14190	0	14190
(c) Natural fertilizer (neem cake / caster cake) etc	111+111	239	1188	1427
(d) Support watering 3 times @ 3.25	Rs.5/ plant	0	13255	13255
(e) Protection / tending operation	N 2 1 1	10613	15232	25845
Total for 2nd year	e el fin e el fin e e e	5727	0	5727
3rd Year		30769	29675	60444
(a) 2 weeding & soil working				7.7.94
(b) 10 % Casually replecement, transport and planting		15281	0	15281
(b) Natural fertilizer, neem cake etc.	111	129	640	769
(c) Support watering 1 times @ 3.25	Rs.5/ plant	0	14274	14274
(d) Protection & maintenance of fencing / tending operation		3811	5468	9279
Total for 3rd year	L.S.	7708	0	7708
4thYear	a de la companya de l	26929	20382	47311
(a) 1 weeding & soil working			56 July 1980	
(b) Protection & Maintenance of fencing/ Tending operation		8186	0	8186
Total for 4th year	L.S.	8259	0	8259
5thYear		16445	0	16445
Protection & maintenance of fencing/ tending operation				
Total for 5th year	L.S.	8810	0	8810
SthYear	en e	8810	0	8810
Protection & maintenance of fencing/ tending operation	; • * ·			
Total for 6th year	L.S.	9360	0	9360
7thYear		9360	0	9360
Protection & maintenance of fencing/ tending operation				
Total for 7th year	L.S.	9911	0	9911
SthYear		9911	0	9911
Protection & maintenance of fencing/ tending operation	L.S.	10461	0	10461
otal for 8th year		10461	0	10461
thYear				.0401
Protection & maintenance of fencing/ tending operation	L.S.	11012	0	11010
otal for 9th year		11012		11012
0thYear		1.012	0	11012
rotection & maintenance of fencing/ tending operation	L.S.	11563	O	11563

(Y. Alcesai)
Dy. Conservator of Forests
Extension Division, Mehsana

subTotal		11563	0	11563
total dost of supervision/subsequentalsilvicultureal operations		280248	161768	442016
Grand Total	20%	56050	32354	88403
lote :-		336298	194122	530419
) Seed sowing along fencing towards the inner side.) Planting of cutting of ipomea//Glaricidia along the fencing towards of	outer side		IIAM	111

Dy. Conservator of Forests Sabarkantha Himatnagar

Dy. Conservator of Forests Extension Division, Mehsana



Location map of Degraded Forest land identified for 92.00 Ha.of Proposal for diversion of (Area 46 Ha.) forest land for Non-forest Purpose in protected forest land for widening & Strengthening to 4 lane of Vav cross road (Ch, km. 92/320) to Kheralu cross road (Ch. Km.115/320) section on NH 58 in Satlasana & Kheralu Taluka of district Mehsana State of Gujarat

Village: Nanabaval Taluka Khedbrahma Dist Sabarkantha

Forest Division: Sabarkantha. Range: RDF Khedbrahma

Block No./Compartment No./Survey No. 13 Compensatory Afforestation Area: Ha.92.00

Model: 3

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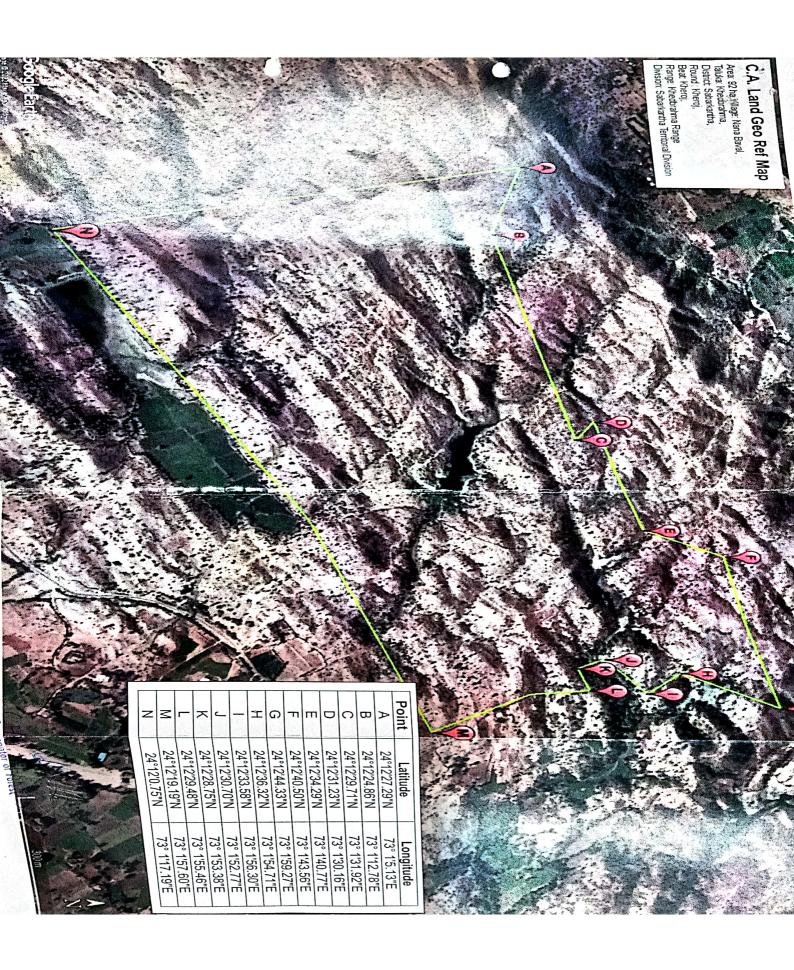
Area to be taken for Compensatory Afforestation.

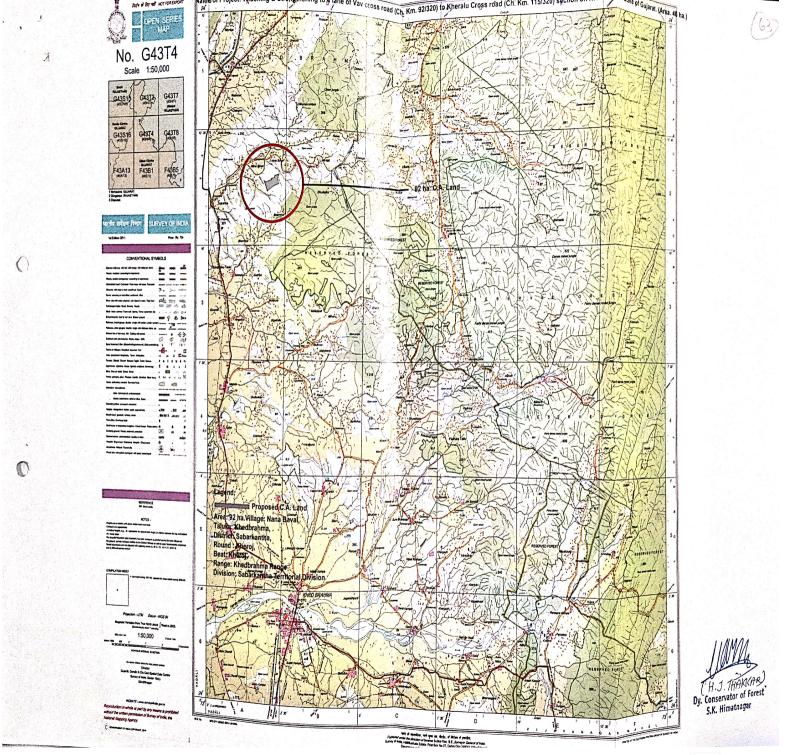
(V Desai)

'Dy. Conservator of Forests

Extension Division, Mehsana

Dy.Conservator of Forests Sabarkantha Himatnagar.





CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 92.00 ha. in Nanabaval, Taluka - Khedbrahma Dist. Sabarkantha Forest Survey No.13 in lieu 46 Ha. of Proposal for Diversion of Forest land for Widening Strengthening to 4 lane of Vav cross road (Ch.km. 92/320) to Kheralu cross road (Ch.km.115/320) section on NH 58 in Satlasana & Kheralu Taluka Mehsana District in the state of Gujarat. with guidelines issued vide additional Principal Chief Conservator of Forests, land, G.S. Gandhinagar letter No. Campa/31/B/ 4460-4530, Dated 18/11/2019 and same is here by approved technically.

Place: Gandhinagar Dated: 13 /07/2022

Khobung] Chief Conservator of forests Gandhinagar Circle, Gandhinagar

(Y. A. Desai) Dy. Conservator of Forests Extension Division, Mensana

ANNEXURE

CERTIFICATE

This is certified that 92.00 Ha. land of S.No. 13 of Village Nanabaval Taluka Khedbrahma Dist. Sabarkantha Proposal for diversion of (Area 46 Ha.) forest land for Non-forest Purpose in protected forest land for widening & Strengthening to 4 lane of Vav cross road (Ch, km. 92/320) to Kheralu cross road (Ch. Km.115/320) section on NH 58 in Satlasana & Kheralu Taluka of district Mehsana State of Gujarat Location map in Mahesana District. in the State of Gujarat of is identified and found suitable

Himatnagar. Date:

/06/2022

Dy.Conservator of Forests, Sabarkantha Himatnagar.

(Y.W. Desai) Dy. Conservator of Forests Extension Division, Mehsana