

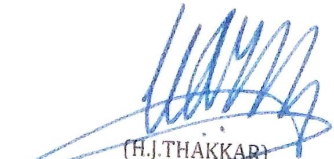
Annexure - 18

Location map of Degraded Forest land identified for 2.00 Ha. of Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road from Bawalkanthiya Bharmiya Kanda to Mithibili Road (Mithibili Road (Mithibili PH/C to Dhuniyara) of Sabarkantha District.

Village: Chandarani Taluka Himatnagar Dist Sabarkantha
Forest Division: Sabarkantha. Range: Raigadh
Block No./Compartment No./Survey No.438
Compensatory Afforestation Area: Ha.2.00
Model: 3

ATTECHED HERE WITH

☐ Area to be taken for Compensatory Afforestation.


(H.J. THAKKAR)
Dy. Conservator of Forests
Sabarkantha Himatnagar.

Range : Raigadh

Village : Chandarami
Ta : Himatnagar
S No : 438
C.A Area : 2.00 Ha.

Legend

- Feature 1
- Mes



(H. J. THACKER)

Dy. Conservator of Forest
Sabarkantha, Himatnagar

Scale of the map: ANYWHERE
No. F43B2
 Scale 1:50,000

F43A13	F43B1	F43B5
F43A14	F43B2	F43B6
F43A15	F43B3	F43B7

CONVENTIONAL SYMBOLS

For the purpose of this map, the following symbols are used:

1. **Boundaries**: International boundaries are shown with a thick black line. National boundaries are shown with a thin black line. District boundaries are shown with a dashed line.

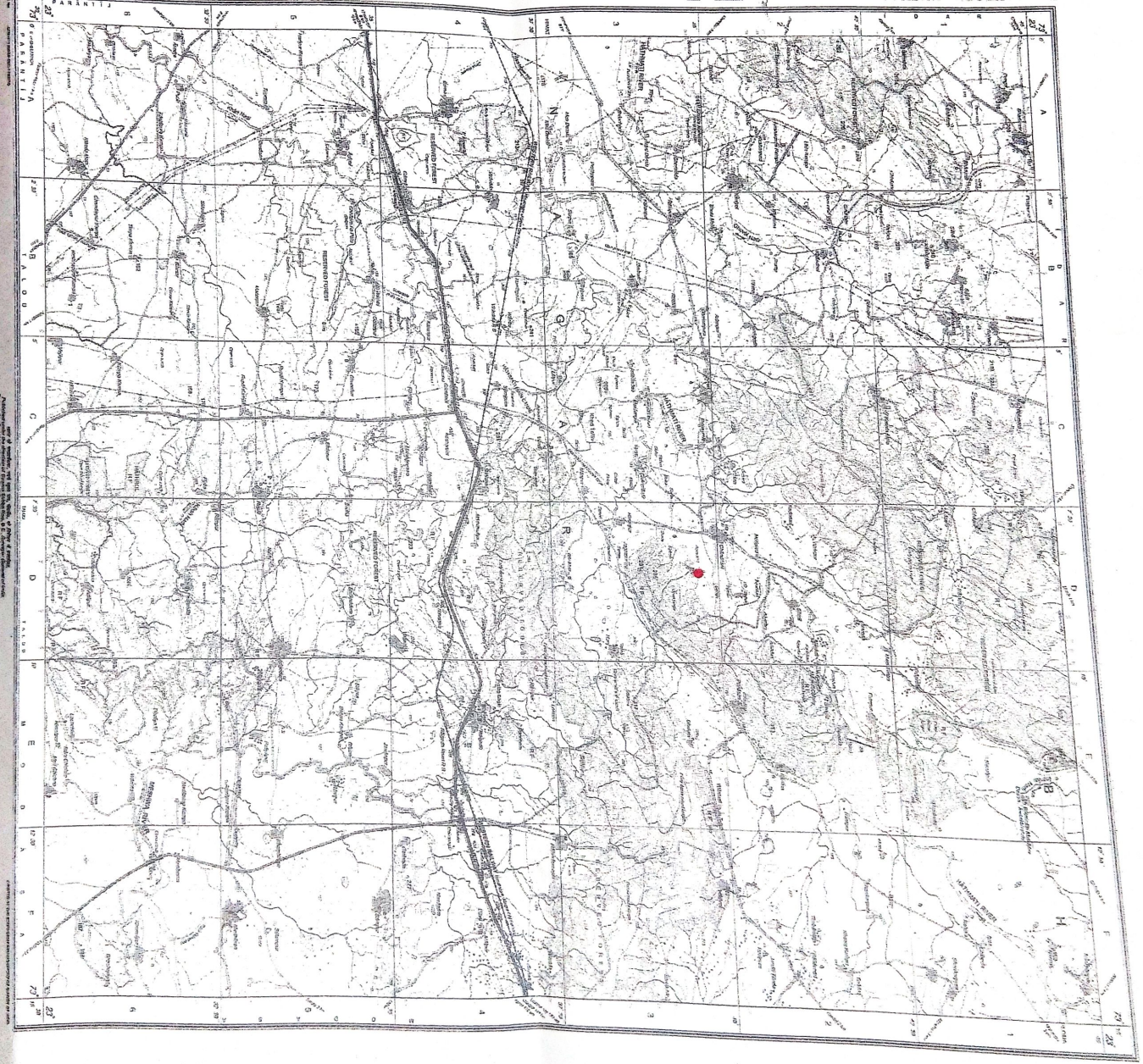
2. **Water**: Rivers, streams, and lakes are shown with blue lines and shading. The sea is shown with a wavy line pattern.

3. **Vegetation**: Forests are shown with a green stippled pattern. Cultivated land is shown with a yellow stippled pattern. Barren land is shown with a brown stippled pattern.

4. **Settlements**: Towns and villages are shown with black dots and labels. Hamlets are shown with small black circles.

5. **Infrastructure**: Roads, railways, and telegraph lines are shown with black lines. Airports are shown with a circle and a cross.

6. **Topography**: Contour lines are shown with thin black lines. Peaks and mountains are shown with a brown stippled pattern and a peak symbol.



- Proposed C.R. Area 2-200 Ha.
 Village- Chandarni Ta- Himmatnagar
 S.No- 488

(H. J. THAKKAR)
 Dy. Conservator of Forest
 Subbarantha, Himmatnagar

Annexure-19

Compensatory Afforestation Scheme for double degraded area

Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road from Bawalkanthiya Bharmiya Kanda to Mithibili Road (Mithibili Road (Mithibili PH/C to Dhuniyara) of Sabarkantha District. (C.A Area-2.00 Ha.)

Detailed scheme of Compensatory Afforestation for double degraded area 3.00 ha. to be carried out in lieu of 0.999 Ha. of forest land to be diverted in sabarkantha district.

1. Details of degraded land.

Village	Chandarani
Taluka	Himatnagar
Range	Raigadh
District	Sabarkantha
Division	Sabarkantha Normal
Block/ Patal, Compartment No./Survey no.	438
Areato be afforested	2.00 Ha.
Working circle	REWC
Coupe No	4
Felling Series	VII

2. Description of Area.

Soil type	Black & Shoney
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 double Degraded Area.

4. Schedule of Plantation Programme:-


(i)	The Compensatory Afforestation on double degraded area would be started by Dy.Conservator of Forest Sabarkantha Division Himmatnagar as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 2.00 Ha.area. The total afforestation cost will be about Rs.15,66,528/- Executive Engineer R & B Panchayat Division, Himatnagar 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:-

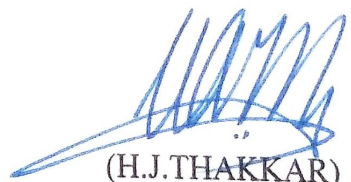
Technical details of Compensatory Afforestation are as Follows:

Sr. No.	Details	Specifications																									
a	General Details	The C.A. will be taken under Compensatory Afforestation on degraded Forest Areas. The prevailing wage rate is 462.00 per day.																									
b	Spacement	3 X 3 mtr., 1111 plants per ha.																									
c	Species to be planted (No. of plants per ha.)	<table> <tr> <td>Khair</td><td>250</td><td rowspan="12">Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.</td></tr> <tr> <td>Kanji</td><td>150</td></tr> <tr> <td>Kadaya</td><td>101</td></tr> <tr> <td>Salai</td><td>70</td></tr> <tr> <td>Gunda</td><td>70</td></tr> <tr> <td>Bael</td><td>100</td></tr> <tr> <td>Bamboo</td><td>70</td></tr> <tr> <td>Ardusa</td><td>75</td></tr> <tr> <td>Ragat Royado</td><td>100</td></tr> <tr> <td>Garmalo</td><td>75</td></tr> <tr> <td>kakhro,Dudh Kadi</td><td>50</td></tr> <tr> <td>Total</td><td>1111</td></tr> </table>	Khair	250	Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.	Kanji	150	Kadaya	101	Salai	70	Gunda	70	Bael	100	Bamboo	70	Ardusa	75	Ragat Royado	100	Garmalo	75	kakhro,Dudh Kadi	50	Total	1111
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Ardusa	75																										
Ragat Royado	100																										
Garmalo	75																										
kakhro,Dudh Kadi	50																										
Total	1111																										
d	Nursery Technique	Nine months old polypot raised plants will be planted at the on set of monsoon.																									
e	Site Preparation	The malformed rootstock present in the area will be cutback & the site will be cleaned in the month of Nov-Dec. Alignment & pit 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 monsoon.																									
g	Soil & Moisture Conservation works	<p>(i) Pucca structure like Check dam, Check wall, Retaining wall</p> <p>(ii) 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,small Chekdem,Van Talavadi using The loose stone available in the area will be carried out as per requirement. Seeds of Jatropha, Agave plants ...etc. will be planted during monsoon in the upper side of nala as per suitability.</p>																									
h	Protection Trench	Barbed wire fencing, Seed sowing And planting of cuttings of Ipomea/Glarcidia along the fence																									
i	Silvicultural Operations	<p>1st year three weeding soil working, Support watering will be provided if needed.</p> <p>2nd year two weeding soil working.</p> <p>3rd year one weeding soil working.</p>																									
j	Maintenance	It is proposed to maintain the Plantation up to ten years.																									

k	Subsequent Silvicultural Operation	Cleaning, Cutbacks, Thinning etc. (as per species specific requirement) will be carried out at the age as per prescribed in the working plan.
l	Proposed monitoring mechanism	<p>(i) A plantation register is to be maintained.</p> <p>(ii) Monitoring is to be done as per the following norms. Forester – 100% RFO – 100% ACF – 20% DCF – 10%</p> <p>(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.</p> <p>(iv) The collar girth is also to be reordered at the end of each year.</p> <p>(v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo.</p> <p>(vi) Bamboo would be of the harvestable size by the end of 4th year.</p> <p>(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.</p>
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.


(H.J. THAKKAR)
Dy. Conservator of Forest
Sabarkantha, Himatnagar

The Compensatory Afforestation scheme at the cost of Rs.15,66,528/- is technically and administrative approved by the undersigned.


(H.J. THAKKAR)
Dy. Conservator of Forest
Sabarkantha, Himatnagar

Detailed scheme of Compensatory Afforestation to be carried out in lieu 2.00 Ha. Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road from Bawalkanthiya Bharmiya Kanda to Mithibili Road (Mithibili Road (Mithibili PH/C to Dhuniyara) of Sabarkantha District.

Name of works				Model No.	Area	Rate per	Amount										Daily wages Rs.462.00			
					H.A.	Hac.	0 Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	20%	Total Rs.	
0 Year 70 % Adv.work. 1st Year Operation.				Model-3	2.00	258485	516970	0	0	0	0	0	0	0	0	0	0	0	103394	620364
1st Year 30 % Advance work Current year plantation						114319	0	228638	0	0	0	0	0	0	0	0	0	0	45728	274366
2nd Year operation Maintanance of one year old plantation.						96922	0	0	193844	0	0	0	0	0	0	0	0	0	38769	232613
3rd Year operation Maintanance of 2 years old plantation.						80992	0	0	0	161984	0	0	0	0	0	0	0	0	32397	194381
4th year operation Maint.of 3 years old plantation.						21626	0	0	0	0	43252	0	0	0	0	0	0	0	8650	51902
5th year operation Maint.of 4 years old plantation.						11586	0	0	0	0	0	23172	0	0	0	0	0	0	4634	27806
6th year operation Maint.of 5 years old plantation.						12310	0	0	0	0	0	0	24620	0	0	0	0	0	4924	29544
7th year operation Maint.of 6 years old plantation.						13034	0	0	0	0	0	0	0	26068	0	0	0	0	5214	31282
8th year operation Maint.of 7 years old plantation.						13758	0	0	0	0	0	0	0	0	27516	0	0	0	5503	33019
9th year operation Maint.of 8 years old plantation.						14482	0	0	0	0	0	0	0	0	0	28964	0	0	5793	34757
10th year operation Maint.of 9 years old plantation.						15206	0	0	0	0	0	0	0	0	0	0	30412	6082	36494	
Total						652720	516970	228638	193844	161984	43252	23172	24620	26068	27516	28964	30412	261088	1566528	

(H.J.THAKKAR)
Dy.Conservator of Forests
Sabarkantha Himatnagar

Detailed scheme of Compensatory Afforestation to be carried out in lieu 2.00 Ha of Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road from Bawalkanthiya Bharmiya Kanda to Mithibili Road (Mithibili Road (Mithibili PH/C to Dhuniyara) of Sabarkantha District.

Sabarkantha Normal Division, Himatnagar						
Sr.No.	Name of Village	Taluka	District	Forest Survey No.	Total area.	Area Carried out of C.A. ha.
1	Chandarani	Himatnagar	Sabarkantha	438	279.6	0.00
						2.00
						277.60


(H.J. THAKKAR)

Dy.Conservator of Forest
Sabarkantha, Himatnagar

Model No - 3

Compensatory Afforestation Scheme for Duple degraded area under FCA Proposal

Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road from Bawalkanthiya Bharmiya Kanda to Mithibili Road (Mithibili Road (Mithibili PH/C to Dhuniyara) of Sabarkantha District. (C.A. 2.00 Ha.)

Daily wages Rs 462.00

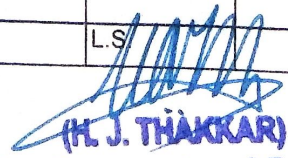
Spacemts = 3 m x 3 m				
1111 seedling / ha				
1st year replacement 10 % = 111 seedling / ha				
2nd year replacement 20 % = 111+111 seedling / ha				
3rd year replacement 10 % = 111 seedling / ha				
Total Seedlings = 1333 seedling / ha				
Polypot size : 15 cm X 25 cm X 200				
Item of work	Qty.	Labour	Material	Total
1	2	3	4	5
0 year				
Nursery				
(a) Cost of soil, ,manure, seeds, water, fartillizer, insecticides, implements, rent of lands.	1222	0	2725	2725
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	1222	6665	345	7010
(c) Seedling cost for casualty replacement in one year old (20%)	222	2105	629	2734
(d) Seedling cost for casualty replacement in two year old (10%)	111	1054	314	1368
Total		9824	4013	13837
2. Area Development (Land Preparation)				
(a) Cleaning/ burning of unwanted undergrowth/ grasses.	ha.	2422		2422
(b) Survey, cutback and promotion of root suckers		5007	0	5007
(c) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @22.05	26948	0	26948
Total		34377	0	34377
(a) Natural fertilizer (Neem cake/ Castor cake)	1111@ 10.00	0	12221	12221
Total		0	12221	12221
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	17789	35313	53102
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.73.50/rmt (300 trench)	per	24255	0	24255
(c) Contour trench 1 M x 45 Cm x 30 Cm as per Rs.36.75/rmt (300 trench)		12128	0	12128
Total		54172	0	89485
4. Protection				
(a) Barbed wire fencing (par Ha Rmt)	100	47793	58413	106206
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the		1651	708	2359
Total		49444	59121	108565
Total for 0 year		147817	75355	258485
1st Year				
(a) Maintenance of nursery (April to June)	1222	5111	511	5622

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Sabarkantha. Himmatnagar


(b) Transport of seedling for plantation	1111	2804	580	3384
(c) Planting with khamna of Min 1 m dia	1111	8621	0	8621
(d) Transport & planting of seedling for casualty replacement	111	300	66	366
(e) 3 weeding cum soil working	1111	33600	0	33600
(f) Support watering 5 times @ 3.25		21478	30820	52298
(g) Protection / tending operation		6952	0	6952
(h) Tending to natural vegetation		1738	0	1738
(i) Contingency		0	1738	1738
Total for 1st year		80604	33715	114319
2nd Year				
(a) 2 weeding & soil working		18662	0	18662
(b) 20 % Casually replacement, transport and planting	111+111	313	1563	1876
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	34862	34862
(d) Support watering 3 times @ 3.25		13958	20033	33991
(e) Protection / tending operation		7531	0	7531
Total for 2nd year		40464	56458	96922
3rd Year				
(a) 2 weeding & soil working		20097	0	20097
(b) 10 % Casually replacement, transport and planting	111	169	841	1010
(b) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	37544	37544
(c) Support watering 1 times @ 3.25		5012	7192	12204
(d) Protection & maintenance of fencing / tending operation	L.S.	10137	0	10137
Total for 3rd year		35415	45577	80992
4thYear				
(a) 1 weeding & soil working		10764	0	10764
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	10862	0	10862
Total for 4th year		21626	0	21626
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11586	0	11586
Total for 5th year		11586	0	11586
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	12310	0	12310
Total for 6th year		12310	0	12310
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	13034	0	13034
Total for 7th year		13034	0	13034
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	13758	0	13758
Total for 8th year		13758	0	13758
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	14482	0	14482


(H. J. THAKKAR)
 Dy. Conservator of Forest
 Sabarkantha, Himatnagar

Total for 9th year		14482	0	14482
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	15206	0	15206
Total for 10th year		15206	0	15206
SubTotal		406302	211105	652720
Total cost of supervision/subsequent silvicultural operations	20%	81260	42221	130544
Grand Total		487562	253326	783264

Note :-

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


(H.J. THAKKAR)
 Dy. Conservator of Forests
 Sabarkantha Himatnagar


Annexure - 20

CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 2.00 Ha. Village : Chandarani Ta. Himatnagar , Dist- Sabarkantha Survey No.438 in lieu 0.999 Ha. Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road from Bawalkanthiya Bharmiya Kanda to Mithibili Road (Mithibili Road (Mithibili PH/C to Dhuniyara) of Sabarkantha District. Location map in Sabarkantha District in the State of Gujarat with the guidelines issued vide Principal Chief Conservator of Forest Gujarat State Gandhinagar letter No. JMN/31/B/147-216 Date : 06.04.2016 and same is here by approved technically.

Himatnagar.

Date: 03 /02/2024



(H.J.THAKKAR)

Dy.Conservator of Forests,
Sabarkantha Himatnagar.

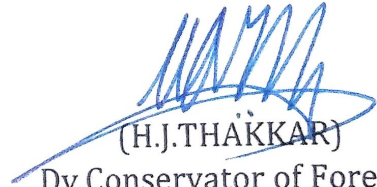
ANNEXURE - 21

CERTIFICATE

This is certified that 2.00 Ha. land of S.No.438 of Village Chandarani Taluka Himatnagar Dist. Sabarkantha Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road from Bawalkanthiya Bharmiya Kanda to Mithibili Road (Mithibili Road (Mithibili PH/C to Dhuniyara) of Sabarkantha District. Location map in Sabarkantha District. in the State of Gujarat of is identified and found suitable for afforestation.

Himatnagar.

Date: 03 /02/2024



(H.J. THAKKAR)
Dy. Conservator of Forests,
Sabarkantha Himatnagar.