


Location map of Degraded Forest land identified for 27.051 Ha. Proposal for Diversion of Forest land (Area-27.051 Ha.) for the non-forest purpose in Reserve Forest land for Road widening of NH-58 From khokhara Gujarat Border-Vijaynagar-Antarsumba-Mathasur Road in Taluka Vijaynagar, Idar, & Vadali of District: Sabarkantha.

Village: **Demti, Devasan (Boludra, Ruvach) Ta-Poshina, Idar, Dist Sabarkantha**
Forest Division: **Sabarkantha**. Range: RDF Poshina, Vadali,
Block No./Compartment No./Survey No. 12, 81
Compensatory Afforestation Area: **Ha.55.00**
Compen **3**

ATTECHED HERE WITH

☐ Area to be taken for Compensatory Afforestation.


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

Range : RDF Poshina

Village : Demti
Ta : Khedbrahma
Survey No : 12
C.A Area : 30.00 Ha.

Legend



(H. J. THAKUR)
Dy. Conservator of Forest
Sabarkantha, Himmatnagar

No. G43T3
Scale 1:50,000

G43T1	G43T2	G43T3
G43T4	G43T5	G43T6
G43T7	G43T8	G43T9

CONVENTIONAL SYMBOLS

LEGEND

Scale 1:50,000

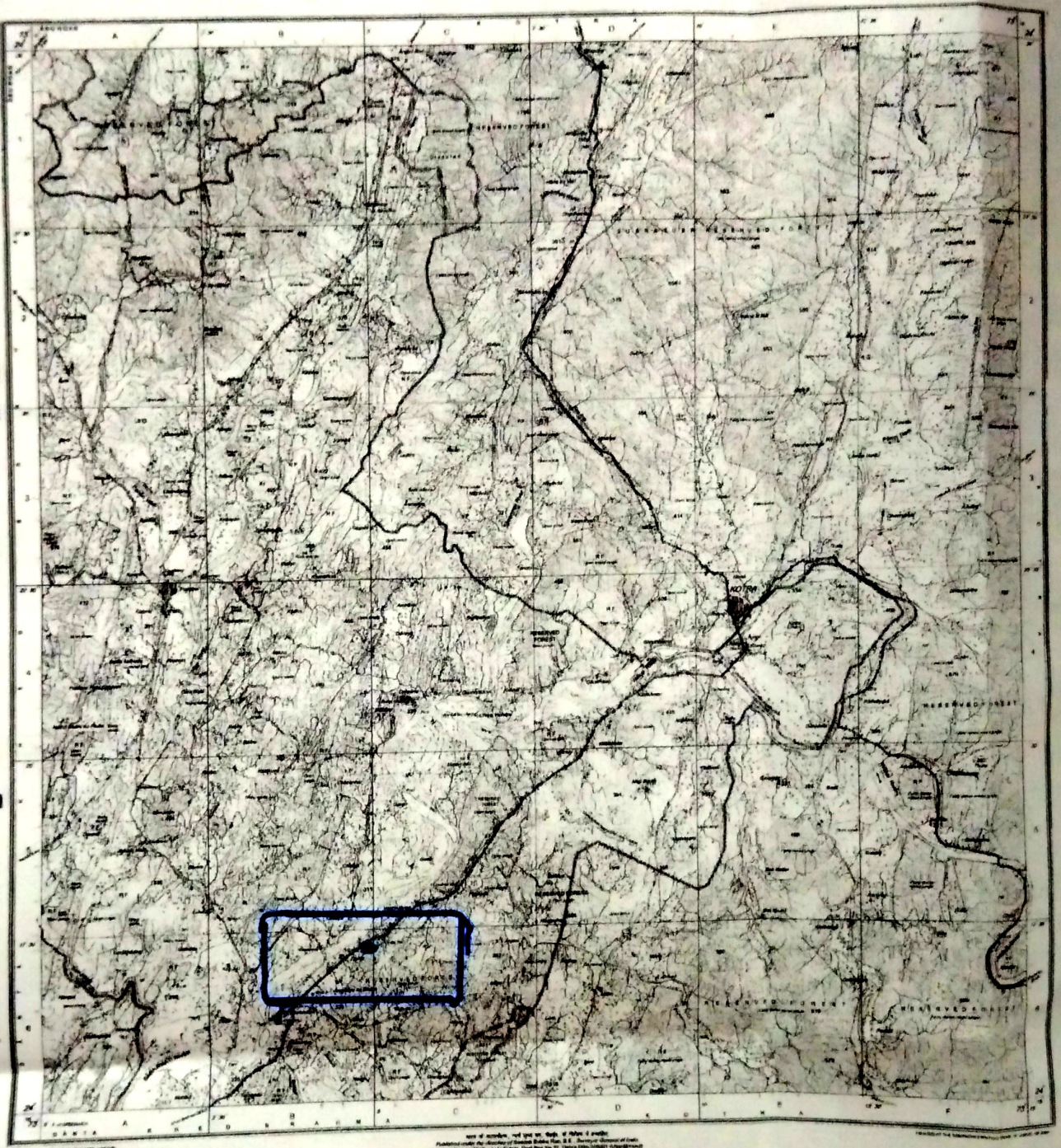
Projection: UTM

Zone: 43N

Datum: Everest

Units: Meters

Published under the authority of the Survey of India, Department of Surveying, Government of India



● - Proposed C.A Area :- 30.00 Ha,
Village :- Demti Tag-pashima
S.No :- 12

[Signature]
Dr. J. THAKUR
Dy. Conservator of Forest
Saharanpur, Himachal Pradesh

Village-Devasan (Bolundra, Ruvach)

Ta-Idar
Range-Vadali
S.no-81
C.A Area-25.00 Ha.

Legend

23°44'16.09"N 73° 5'38.79"E

23°44'12.79"N 73° 5'25.75"E

23°44'9.42"N 73° 5'38.32"E

23°44'4.67"N 73° 5'36.38"E

23°43'59.68"N 73° 5'7.46"E

23°43'53.94"N 73° 5'12.49"E

Google Earth

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N

400 m

(H. J. THAKKAR)

Dy, Conservator of Forest
Sabarkantha, Himatnagar

Devusam (Bolumdaru Ruuvach)

No. F43B2

Scale 1:50,000

F43A13	F43B1	F43B5
F43A14	F43B2	F43B6
F43A15	F43B3	F43B7

Other sheet maps

CONVENTIONAL SYMBOLS

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● 8- Proposed CA Area
 25.00 Ha.
 Village 8-Devusam
 C Bolumdaru Ruuvach
 S.No 8-81,

M. J. THAKKAR
 Dy. Conservator of Forests
 Suburban, Nimmadga

Annexure-19

Compensatory Afforestation Scheme for double degraded area

Proposal for Diversion of (27.051 Ha.) forest land for Non forest purpose in Reserved forest land for road widening of Khokhara Gujarat Border-Vijaynagar-Antarsuba-Mathasur Road in Taluka Vijaynagar, Idar & Vadali of District Sabarkantha.

Detailed scheme of Compensatory Afforestation for double degraded area 55.00 ha. to be carried out in lieu of 27.051 Ha. of forest land to be diverted in sabarkantha district.

1. Details of degraded land.

Village	Demti, Devasan(Bolundra,Ruvach)	
Taluka	Poshina, Idar	
Range	RDF Poshina, Vadali	
District	Sabarkantha	
Division	Sabarkantha Normal	
Block/ Patal, Compartment No./Survey no.	12, 81	
Areato be afforested	55.00 Ha.	
	Demti	Devasan(Bolundra,Ruvach)
Working circle	REWC	REWC
Coupe No	10	2
Falling Series No	XXXIX	LXXIX

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:-

- 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.
- Compensatory Afforestation will be done in 27.051 ha.area. The total afforestation cost will be about **Rs.3,66,21,618/-** Executive Engineer, National Highway Sub Division Idar 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 441.00 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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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 onset 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	1 st year three weeding soil working, Support watering will be																									


		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 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

Detailed scheme of Compensatory Afforestation to be carried out in lieu 27.051 Ha. Proposal for Diversion of Forest land (Area-27.051 Ha.) for the non-forest purpose in Reserve Forest land for Road widening of NH-58 From Khokhara Gujarat Border-Vijaynagar-Antarsumba-Mathasur Road in Taluka Vijaynagar, Idar, & Vadali of District: Sabarkantha.

Name of works	Model No.	Area	Rate per Hac.	Amount										Daily wages Rs.441.00			
				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	55.00	213117	11721435	0	0	0	0	0	0	0	0	0	0	0	2344287	14065722
1st Year 30 % Advance work Current year plantation			109121	0	6001655	0	0	0	0	0	0	0	0	0	0	1200331	7201986
2nd Year operation Maintenance of one year old plantation.			75877	0	0	4173235	0	0	0	0	0	0	0	0	0	834647	5007882
3rd Year operation Maintenance of 2 years old plantation.			59392	0	0	0	3266560	0	0	0	0	0	0	0	0	653312	3919872
4th year operation Maint.of 3 years old plantation.			20643	0	0	0	0	1135365	0	0	0	0	0	0	0	227073	1362438
5th year operation Maint.of 4 years old plantation.			11059	0	0	0	0	0	608245	0	0	0	0	0	0	121649	729894
6th year operation Maint.of 5 years old plantation.			11750	0	0	0	0	0	0	646250	0	0	0	0	0	129250	775500
7th year operation Maint.of 6 years old plantation.			12442	0	0	0	0	0	0	0	684310	0	0	0	0	136862	821172
8th year operation Maint.of 7 years old plantation.			13133	0	0	0	0	0	0	0	0	722315	0	0	0	144463	866778
9th year operation Maint.of 8 years old plantation.			13824	0	0	0	0	0	0	0	0	0	760320	0	0	152064	912384
10th year operation Maint.of 9 years old plantation.			14515	0	0	0	0	0	0	0	0	0	0	0	798325	159665	957990
Total			554873	11721435	6001655	4173235	3266560	1135365	608245	646250	684310	722315	760320	798325	6103603	36621618	


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

Detailed scheme of Compensatory Afforestation to be carried out in lieu 27.051 Ha Proposal for Diversion of Forest land (Area-27.051 Ha.) for the non-forest purpose in Reserve Forest land for Road widening of NH-58 From khokhara Gujarat Border-Vijaynagar-Antarsumba-Mathasur Road in Taluka Vijaynagar, Idar, & Vadali of District: Sabarkantha.

Sabarkantha Normal Division, Himatnagar

Sr.No.	Name of Village	Taluka	District	Forest Survey No.	Total area. (Ha.)	Area Carried out of C.A. ha.	C.A. Area to be carried out for this proposal ha.	Balance area for C.A. in ha.
1	Demti	Poshina	Sabarkantha	12	1396.86	0.00	30.00	1366.86
2	Devasan (Boludra, Ruvach)	Idar	Sabarkantha	81	28.32	0.00	25.00	3.32



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Sabarkantha, Himatnagar

Model No - 3

Compensatory Afforestation Scheme for double degraded area under FCA Proposal

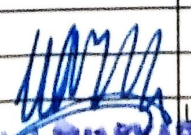
Proposal for Diversion of Forest land (Area-27.051 Ha.) for the non-forest purpose in Reserve Forest land for Road widening of NH-58 From khokhara Gujarat Border-Vijaynagar-Antarsumba-Mathasur Road in Taluka Vijaynagar, Idar, & Vadali of District: Sabarkantha. (C.A Area-55.00 Ha.)

Daily wages Rs 441.00

Spacements = 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, fertilizer, insecticides, implements, rent of lands.	1222	0	2600	2600
(b) labour : Preparation of beds, filling and arranging of	1222	6361	330	6691
(c) Seedling cost for casualty replacement in one year old (20%)	222	2010	601	2611
(d) Seedling cost for casualty replacement in two year old (10%)	111	1007	299	1306
Total		9378	3830	13208
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		4780	0	4780
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	13803	0	13803
Total		18583	0	18583
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	14079	14079
Total		0	14079	14079
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	16981	33708	50689
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	12926	0	12926
Total		29907	33708	63615
4. Protection				
(a) Barbed wire fencing (par Ha Rmt)	100	45620	55759	101379
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the		1576	677	2253
Total		47196	56436	103632
Total for 0 year		105064	108053	213117
1st Year				
(a) Maintenance of nursery (April to June)	1222	4879	488	5367
(b) Transport of seedling for plantation	1111	2677	553	3230
(c) Planting with khamna of Min 1 m dia	111	8230	0	8230
(d) Transport & planting of seedling for casualty replacement	111	286	62	348

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Sabarkantha, Himetnagar


(e) 3 weeding cum soil working	1111	32074	0	32074
(f) Support watering 5 times @ 3.25		20502	29418	49920
(g) Protection / tending operation		6636	0	6636
(h) Tending to natural vegetation		1658	0	1658
(i) Contingency		0	1658	1658
Total for 1st year		76942	32179	109121
2nd Year				
(a) 2 weeding & soil working		17813	0	17813
(b) 20 % Casually replcement, transport and planting	111+111	299	1491	1790
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	16639	16639
(d) Support watering 3 times @ 3.25		13324	19122	32446
(e) Protection / tending operation		7189	0	7189
Total for 2nd year		38625	37252	75877
3rd Year				
(a) 2 weeding & soil working		19183	0	19183
(b) 10 % Casually replcement, transport and planting	111	161	804	965
(b) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	17919	17919
(c) Support watering 1 times @ 3.25		4784	6864	11648
(d) Protection & maintenance of fencing / tending operation	L.S.	9677	0	9677
Total for 3rd year		33805	25587	59392
4thYear				
(a) 1 weeding & soil working		10275	0	10275
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	10368	0	10368
Total for 4th year		20643	0	20643
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11059	0	11059
Total for 5th year		11059	0	11059
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11750	0	11750
Total for 6th year		11750	0	11750
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	12442	0	12442
Total for 7th year		12442	0	12442
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	13133	0	13133
Total for 8th year		13133	0	13133
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	13824	0	13824
Total for 9th year		13824	0	13824
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	14515	0	14515


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 Dy. Conservator of Forest
 Saberkantha, Himatnagar

Total for 10th year		14515	0	14515
SubTotal		351802	203071	554873
Total cost of supervision/subsequent silvicultural operations	20%	70360	40614	110975
Grand Total		422162	243685	665848

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 55.00 Ha. Village Demti, Devasan (Bolundra, Ruvach), Taluka. Poshina, Idar, Dist. Sabarkantha Survey No.12, 81, in lieu 27.051 Ha. Proposal for Diversion of Forest land (Area-27.051 Ha.) for the non-forest purpose in Reserve Forest land for Road widening of NH-58 From khokhara Gujarat Border-Vijaynagar-Antarsumba-Mathasur Road in Taluka Vijaynagar, Idar, & Vadali of District: Sabarkantha. with the guidelines issued vide Principal Chief Conservator of Forest Gujarat State Gandhinagar Letter No.Campa/31/B/4460-4530 Date:18.11.2019 and same is here by approved technically.

Place: Gandhinagar

Date: 09/08/2023

Chief Conservator of Forests
Gandhinagar Circle,
Gandhinagar

CERTIFICATE

This is certified that 55.00 Ha. land of S.No.12, 81, of Village Demti, Devasan (Bolundra Ruvach) Taluka Poshina, Idar, Dist. Sabarkantha Proposal for Diversion of Forest land (Area-27.051 Ha.) for the non-forest purpose in Reserve Forest land for Road widening of NH-58 From khokhara Gujarat Border-Vijaynagar-Antarsumba-Mathasur Road in Taluka Vijaynagar, Idar, & Vadali of District: Sabarkantha. Location map in Sabarkantha in the State of Gujarat of is identified and found suitable for afforestation.

Himatnagar.

Date: 09/08/2023



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