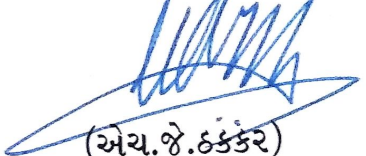


## પ્રમાણપત્ર

આથી પ્રમાણપત્ર આપવામાં આવે છે કે, ડાયવર્ઝન ઓફ ૩૯.૩૯૩૬ હેક્ટર. (Diversion of 39.3936 Ha. of Protected Forest land for upgradation of junction with NH-47 Limbadi-Surendranagar-Dhrangadhra of NH-51 in State of Gujarat to Two lane with paved shoulder configuration design of Km.0/000 to Km. 62/802 in Gujarat State.) ની દરખાસ્ત સામે વળતર વનીકરણ માટે સૂચવેલ ડિગ્રેડેડ વિસ્તાર મોજે-કપોડા, સર્વે નં./કમ્પાર્ટમેન્ટ નં.૭૦, તા.ઈડર રેન્જ-વડાલી, વર્કિંગ સર્કલ આર.ઈ.ડબલ્યુ.સી., જી.સાબરકાંઠા, ડિવીઝન સાબરકાંઠા વન વિભાગ હિંમતનગર વિસ્તાર-૭૯.૦૦ હેક્ટર. માં છેલ્લા પાંચ વર્ષમાં અન્ય કોઈ યોજના હેઠળ વાવેતર લેવામાં આવેલ નથી.



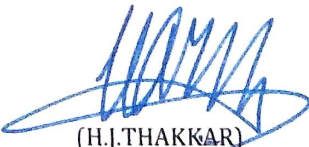
(એચ.જે.ઠક્કર)  
નાયબ વન સંરક્ષક  
સાબરકાંઠા, હિંમતનગર

Location map of Degraded Forest land identified for 79.00 Ha. of Diversion of 39.3936 Ha. of Protected Forest land for upgradation of junction with NH-47 Limbadi-Suredranagar-Dhrangadhra of NH-51 in State of Gujarat to Two lane with paved shoulder configuration design of K.m.0/000 to Km. 62/802 in Gujarat State.

Village: **Kapoda Ta-Idar, Dist Sabarkantha**  
Forest Division: **Sabarkantha**. Range: Vadali,  
Block No./Compartment No./Survey No. 70  
Compensatory Afforestation Area: **Ha.79.00**  
Compen 3

ATTECHED HERE WITH

☐ Area to be taken for Compensatory Afforestation.

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



**Village: Kapoda**

Range: Vadali  
Wc: REWC  
FS No: 80  
Coupe No: 9, 10  
CA Plantation Area: 79.00 Ha

23.713325° 72.998414°

Kapoda Gram Panchayat

Kapoda  
Kapoda

23.710093° 72.993450°

23.707897° 73.008231°

23.702789° 72.999026°


700 m

Google Earth

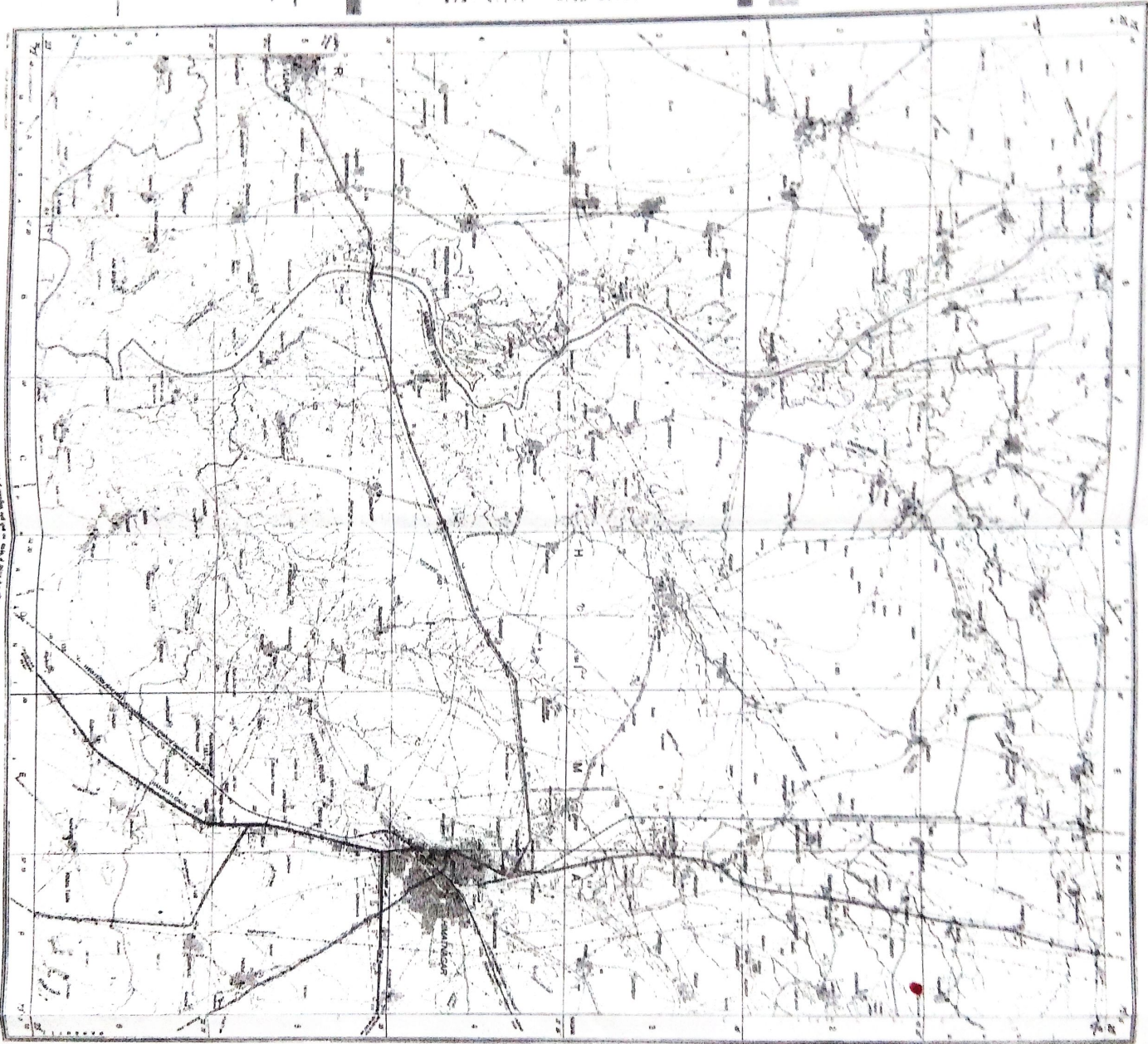
Image © 2022 Airbus

Legend

N

  
(H. J. THAKKAR)  
Dy, Conservator of Forest  
Sabarkant...



[illegible]

1. - P. 10501  
 C.A. Area - 79.00 H  
 Village - Kupolu  
 Ta - Idur  
 S.No - 70

(H. J. THACKER)  
D. Conservator of Forest  
Shardamulla, Haringnagar



## Annexure-19

### Compensatory Afforestation Scheme for double degraded area

Diversion of 39.3936 Ha. of Protected Forest land for upgradation of junction with NH-47 Limbadi-Suredranagar-Dhrangadhra of NH-51 in State of Gujarat to Two lane with paved shoulder configuration design of K.m.0/000 to Km. 62/802 in Gujarat State. (C.A Area-79.00 Ha.)

Detailed scheme of Compensatory Afforestation for double degraded area 79.00 ha. to be carried out in lieu of 39.3936 Ha. of forest land to be diverted in sabarkantha district.

#### 1. Details of degraded land.

Village	Kapoda
Taluka	Idar
Range	Vadali
District	Sabarkantha
Division	Sabarkantha Normal
Block/ Patal, Compartment No./Survey no.	70
Areato be afforested	1.00 Ha.
Working circle	REWC
Coupe No	9/10
Felling Series	LXXX

#### 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 79.00 Ha.area. The total afforestation cost will be about <b>Rs. 55106956/-</b> Executive Engineer National Highway Division Rajkot has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges). |

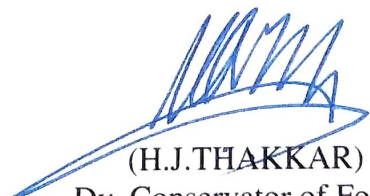
## 5. Technical Details:-

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><b>Total</b></td><td><b>1111</b></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	<b>Total</b>	<b>1111</b>
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																										
<b>Total</b>	<b>1111</b>																										
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 &amp; 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>1<sup>st</sup> year three weeding soil working, Support watering will be provided if needed.</p> <p>2<sup>nd</sup> year two weeding soil working.</p> <p>3<sup>rd</sup> year one weeding soil working.</p>																									



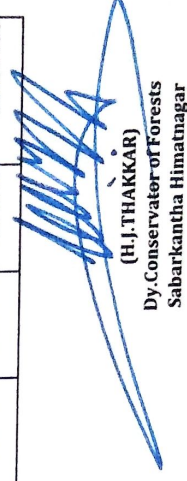
j	Maintenance	It is proposed to maintain the Plantation up to ten years.
k	Subsequent Silvicultural Operation	Cleaning,Cutbacks, Thinning etc.(as per species specific requirement) will be carried out at the age as per prescribed in the working plan.
l	Proposed monitoring mechanism	<p>(i) A plantation 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 4<sup>th</sup> 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 39.3936 Ha. Diversion of 39.3936 Ha. of Protected Forest land for upgradation of junction with NH-47 Limbadi-Suredranagar-Dhrangadhra of NH-51 in State of Gujarat to Two lane with paved shoulder configuration design of K.m.0/000 to Km. 62/802 in Gujarat State.

Daily wages Rs.462.00

Name of works	Model No.	Area	Rate per	Amount													Total Rs.		
				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%	
0 Year 70 % Adv.work. 1st Year Operation.	Model-3	79.00	223263			17637777	0	0	0	0	0	0	0	0	0	0	0	3527555	21165332
1st Year 30 % Advance work Current year plantation			114319			0	9031201	0	0	0	0	0	0	0	0	0	0	1806240	10837441
2nd Year operation Maintanance of one year old plantation.			79492			0	0	6279868	0	0	0	0	0	0	0	0	0	1255974	7535842
3rd Year operation Maintanance of 2 years old plantation.			62221			0	0	0	4915459	0	0	0	0	0	0	0	0	983092	5898551
4th year operation Maint.of 3 years old plantation.			21626			0	0	0	0	1708454	0	0	0	0	0	0	0	341691	2050145
5th year operation Maint.of 4 years old plantation.			11586			0	0	0	0	0	0	915294	0	0	0	0	0	183059	1098353
6th year operation Maint.of 5 years old plantation.			12310			0	0	0	0	0	0	0	972490	0	0	0	0	194498	1166988
7th year operation Maint.of 6 years old plantation.			13034			0	0	0	0	0	0	0	0	1029686	0	0	0	205937	1235623
8th year operation Maint.of 7 years old plantation.			13758			0	0	0	0	0	0	0	0	0	1086882	0	0	217376	1304258
9th year operation Maint.of 8 years old plantation.			14482			0	0	0	0	0	0	0	0	0	0	1144078	0	228816	1372894
10th year operation Maint.of 9 years old plantation.			15206			0	0	0	0	0	0	0	0	0	0	0	0	240255	1441529
Total			581297			17637777	9031201	6279868	4915459	1708454	915294	972490	1029686	1086882	1144078	1201274	9184493	55106956	

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



Detailed scheme of Compensatory Afforestation to be carried out in lieu 39.3936 Ha of Diversion of 39.3936 Ha. of Protected Forest land for upgradation of junction with NH-47 Limbadi-Suredranagar-Dhrangadhra of NH-51 in State of Gujarat to Two lane with paved shoulder configuration design of K.m.0/000 to Km. 62/802 in Gujarat State.

**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	Kapoda	Idar	Sabarkantha	70	186.81	1.00	79.00	106.81

  
(H.J. THAKKAR)

Dy. Conservator of Forest  
Sabarkantha, Himatnagar

### Model No - 3

#### Compensatory Afforestation Scheme for double degraded area under FCA Proposal

Diversion of 39.3936 Ha. of Protected Forest land for upgradation of junction with NH-47 Limbadi-Suredranagar-Dhrangadhra of NH-51 in State of Gujarat to Two lane with paved shoulder configuration design of K.m.0/000 to Km. 62/802 in Gujarat State. (C.A Area-79.00 Ha.)

Daily wages Rs 462.00

Spacemnts = 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
<b>0 year</b>				
Nursery	1222	0	2725	2725
(a) Cost of soil, ,manure, seeds, water, fartillizer, insecticides, implements, rent of lands.	1222	6665	345	7010
(b) labour : Preparation of beds, filling and arranging of	222	2105	629	2734
(c ) Seedling cost for casualty replacement in one year old (20%)	111	1054	314	1368
(d) Seedling cost for casualty replacement in two year old (10%)		9824	4013	13837
<b>Total</b>				
<b>2. Area Development ( Land Preparation )</b>				
(a) Survey, cutback and promotion of root suckers		5007	0	5007
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	14461	0	14461
<b>Total</b>		19468	0	19468
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	14750	14750
<b>Total</b>		0	14750	14750
<b>3. SMC Works</b>				
(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.17.00/rmt (300 trench)	600 rmt.	13541	0	13541
<b>Total</b>		31330	35313	66643
<b>4. Protection</b>				
(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
<b>Total</b>		49444	59121	108565
<b>Total for 0 year</b>		110066	113197	223263
<b>1st Year</b>				
(a) Maintenance of nursery (April to June)	1222	5111	511	5622
(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 seediling for casualty replacement	111	300	66	366

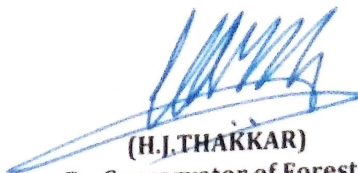


(e) 3 weeding cum soil working	1111	33600	0	33600
(f) Support watering 5 times @ 3.25		21478	30820	52298
(g) Protection / tending operation		6952	0	6952
(h) Tending to natural vegetation		1738	0	1738
(i) Contingency		0	1738	1738
<b>Total for 1st year</b>		<b>80604</b>	<b>33715</b>	<b>114319</b>
<b>2nd Year</b>				
(a) 2 weeding & soil working		18662	0	18662
(b) 20 % Casually replcement, transport and planting	111+111	313	1563	1876
(c) Natural fertilizer (neem cake / caster cake ) etc.	Rs.5/ plant	0	17432	17432
(d ) Support watering 3 times @ 3.25		13958	20033	33991
(e) Protection / tending operation		7531	0	7531
<b>Total for 2nd year</b>		<b>40464</b>	<b>39028</b>	<b>79492</b>
<b>3rd Year</b>				
(a) 2 weeding & soil working		20097	0	20097
(b) 10 % Casually replcement, transport and planting	111	169	841	1010
(b) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	18773	18773
(c ) Support watering 1 times @ 3.25		5012	7192	12204
(d) Protection & maintenance of fencing / tending operation	L.S.	10137	0	10137
<b>Total for 3rd year</b>		<b>35415</b>	<b>26806</b>	<b>62221</b>
<b>4thYear</b>				
(a) 1 weeding & soil working		10764	0	10764
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	10862	0	10862
<b>Total for 4th year</b>		<b>21626</b>	<b>0</b>	<b>21626</b>
<b>5thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	11586	0	11586
<b>Total for 5th year</b>		<b>11586</b>	<b>0</b>	<b>11586</b>
<b>6thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	12310	0	12310
<b>Total for 6th year</b>		<b>12310</b>	<b>0</b>	<b>12310</b>
<b>7thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	13034	0	13034
<b>Total for 7th year</b>		<b>13034</b>	<b>0</b>	<b>13034</b>
<b>8thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	13758	0	13758
<b>Total for 8th year</b>		<b>13758</b>	<b>0</b>	<b>13758</b>
<b>9thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	14482	0	14482
<b>Total for 9th year</b>		<b>14482</b>	<b>0</b>	<b>14482</b>
<b>10thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	15206	0	15206

Total for 10th year		15206	0	15206
SubTotal		368551	212746	581297
Total cost of supervision/subsequent silvicultural operations	20%	73710	42549	116259
Grand Total		442261	255295	697556

**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



## **CERTIFICATE**

This is to certify that the compensatory afforestation scheme attached herewith for 79.00 Ha. Village Kapoda Taluka Idar, Dist. Sabarkantha Survey No.70, in Diversion of 39.3936 Ha. of Protected Forest land for upgradation of junction with NH-47 Limbadi-Suredranagar-Dhrangadhra of NH-51 in State of Gujarat to Two lane with paved shoulder configuration design of K.m.0/000 to Km. 62/802 in Gujarat State. with the guidelines issued vide Principal Chief Conservator of Forest Gujarat State Gandhinagar Latter No.Campa/31/B/4460-4530 Date: 18.11.2019 and same is here by approved technically.

Place: Gandhinagar  
Date: /10/2023

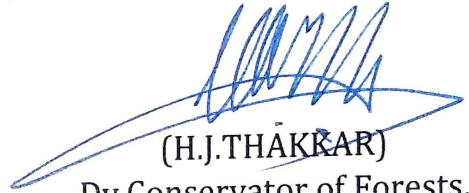
Chief Conservator of Forests  
Gandhinagar Circle,  
Gandhinagar

## ***CERTIFICATE***

This is certified that 79.00 Ha. land of S.No.70 of Village Kapoda Taluka Idar, Dist. Sabarkantha Diversion of 39.3936 Ha. of Protected Forest land for upgradation of junction with NH-47 Limbadi-Suredranagar-Dhrangadhra of NH-51 in State of Gujarat to Two lane with paved shoulder configuration design of K.m.0/000 to Km. 62/802 in Gujarat State. Location map in Sabarkantha in the State of Gujarat of is identified and found suitable for afforestation.

Himatnagar.

Date: 16 /10/2023



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