

Location map of Degraded Forest land identified for 2.00 Ha. of Proposal for Diversion of 0.95 Ha. forest land for Constructing Dhandha Vanchetana Road Ta-Himatnagar District Sabarkantha. of Gujarat.

Village: **Dhandha Taluka Himatnagar Dist Sabarkantha**

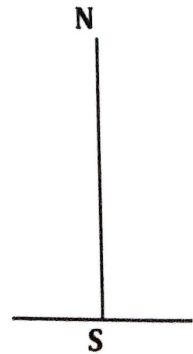
Forest Division: **Sabarkantha**. Range: Raigadh

Block No./Compartment No./Survey No. 36/Pt

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.

To: Dhanadha

Range Raigadh
Sur No 36/pt
CA Area 2.00 Ha.

Legend

- Feature 1
- Untitled Polygon

Google Earth

Image © 2022 Maxar Technologies

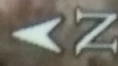
23°37'51.65"N 72°58'2.41"E

23°37'51.41"N 72°57'58.17"E

23°37'46.39"N 72°58'2.35"E

23°37'46.05"N 72°57'58.19"E

300 ft



(Signature)
Dy. Conservator of Forest
S.K. Himatnagar

Annexure-19

Compensatory Afforestation Scheme for double degraded area

Diversion of 0.95 Ha. forest land for Constructing Dhandha Vanchetana Road Ta-Himatnagar District Sabarkantha.

Detailed scheme of Compensatory Afforestation for degraded area 2.00 ha. to be carried out in lieu of 0.95 Ha. of forest land to be diverted in sabarkantha district.

1. Details of degraded land.

Village	Dhandha
Taluka	Himatnagar
Range	Raigadh
District	Sabarkantha
Division	Sabarkantha Normal
Block/ Patal, Compartment No./Survey no.	36/Pt
Areato be afforested	2.00 Ha.
Working circle	REWC
Coupe No	10
Felling Series	III

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 Degraded Area.

4. Schedule of Plantation Programme:-


(i)	The Compensatory Afforestation on 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 0.95 Ha.area. The total afforestation cost will be about Rs.10,60,837/- Executive Engineer,Panchayat R & B 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 324.20 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 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	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.


 Dy. Conservator of Forest
 Sabarkantha, Himatnagar

The Compensatory Afforestation scheme at the cost of **Rs.10,60,837/-** 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 0.95 Ha. Proposal for Diversion of 0.95 Ha. forest land for Constructing Dhandha Vanchetana Road Ta-Himatnagar District Sabarkantha. of Gujarat.

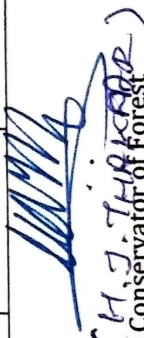
Name of works	Model No.	Area	Rate per	Amount											Daily wages Rs.351.30		
		H.A.	Hac.	0 Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	20%	Total Rs.	
0 Year 70 % Adv.work. 1st Year Operation.	Model-3	2.00	169773	339546	0	0	0	0	0	0	0	0	0	0	0	67909	407455
1st Year 30 % Advance work Current year plantation			86926	0	173852	0	0	0	0	0	0	0	0	0	0	0	34770
2nd Year operation Maintenance of one year old plantation.			60444	0	0	120888	0	0	0	0	0	0	0	0	0	24178	145066
3rd Year operation Maintenance of 2 years old plantation.			47311	0	0	0	94622	0	0	0	0	0	0	0	0	18924	113546
4th year operation Maint.of 3 years old plantation.			16445	0	0	0	0	32890	0	0	0	0	0	0	0	6578	39468
5th year operation Maint.of 4 years old plantation.			8810	0	0	0	0	0	17620	0	0	0	0	0	0	3524	21144
6th year operation Maint.of 5 years old plantation.			9360	0	0	0	0	0	0	18720	0	0	0	0	0	3744	22464
7th year operation Maint.of 6 years old plantation.			9911	0	0	0	0	0	0	0	19822	0	0	0	0	3964	23786
8th year operation Maint.of 7 years old plantation.			10461	0	0	0	0	0	0	0	0	20922	0	0	0	4184	25106
9th year operation Maint.of 8 years old plantation.			11012	0	0	0	0	0	0	0	0	0	22024	0	0	4405	26429
10th year operation Maint.of 9 years old plantation.			11563	0	0	0	0	0	0	0	0	0	0	23126	4625	27751	
Total			442016	339546	173852	120888	94622	32890	17620	18720	19822	20922	22024	23126	176805	1060837	


Dy. Conservator of Forests
Sabarkantha Himatnagar

Detailed scheme of Compensatory Afforestation to be carried out in lieu 0.95 Ha of Proposal for Diversion of 0.95 Ha. forest land for Constructing Dhandha Vanchetana Road Ta-Himatnagar District Sabarkantha. of Gujarat.

Sabarkantha Normal Division, Himatnagar

Sr.No.	Name of Village	Taluka	District	Forest Survey No.	Total area.	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	Dhandha	Himatnagar	Sabarkantha	36/Pt	42.98	0.00	2.00	40.98

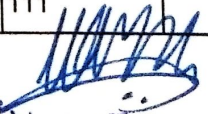

C.H. J. Thakkar
Dy. Conservator of Forest
Sabarkantha, Himatnagar

Model No - 3


Compensatory Afforestation Scheme for Dubble dgraded area under FCA Proposal

Diversion of 0.95 Ha. forest land for Constructing Dhandha Vanchetana Road Ta-Himatnagar District Sabarkantha.
(C.A. 2.00 Ha.)

Daily wages Rs 351.30				
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	2071	2071
(b) labour : Preparation of beds, filling and arranging of	1222	5068	263	5331
(c) Seedling cost for casualty replacement in one year old (20%)	222	1601	479	2080
(d) Seedling cost for casualty 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		0	11216	11216
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	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) Barbed wire fencing (par Ha Rmt)	100	36342	44417	80759
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the		1256	539	1795
Total		37598	44956	82554
Total for 0 year		83697	86076	169773
1st Year				
(a) Maintenance of nursery (April to June)	1222	3887	389	4276
(b) Transport of seedling for plantation	1111	2132	440	2572
(c) Planting with khamna of Min 1 m dia	1111	6556	0	6556
(d)Transport & planting of seediling for casualty replacement	111	228	50	278



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weeding cum soil working	1111	25549	0	25549
Support watering 5 times @ 3.25		16332	23435	39767
Protection / tending operation		5286	0	5286
Tending to natural vegetation		1321	0	1321
(i) Contingency		0	1321	1321
Total for 1st year		61291	25635	86926
2nd Year				
(a) 2 weeding & soil working		14190	0	14190
(b) 20 % Casually replcement, transport and planting	111+111	239	1188	1427
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	13255	13255
(d) Support watering 3 times @ 3.25		10613	15232	25845
(e) Protection / tending operation		5727	0	5727
Total for 2nd year		30769	29675	60444
3rd Year				
(a) 2 weeding & soil working		15281	0	15281
(b) 10 % Casually replcement, transport and planting	111	129	640	769
(b) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	14274	14274
(c) Support watering 1 times @ 3.25		3811	5468	9279
(d) Protection & maintenance of fencing / tending operation	L.S.	7708	0	7708
Total for 3rd year		26929	20382	47311
4thYear				
(a) 1 weeding & soil working		8186	0	8186
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	8259	0	8259
Total for 4th year		16445	0	16445
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8810	0	8810
Total for 5th year		8810	0	8810
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9360	0	9360
Total for 6th year		9360	0	9360
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9911	0	9911
Total for 7th year		9911	0	9911
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10461	0	10461
Total for 8th year		10461	0	10461
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11012	0	11012
Total for 9th year		11012	0	11012
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11563	0	11563


 (H.J. THARKAR)
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 S.K. Himatnagar

Total for 10th year		11563	0	11563
Sub Total		280248	161768	442016
Total cost of supervision/subsequent silvicultural operations	20%	56050	32354	88403
Grand Total		336298	194122	530419

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

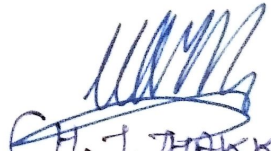

C.H.J. THAKKAR
 Dy. Conservator of Forests
 Sabarkantha Himatnagar

Annexure - 20

CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 2.00 Ha. Village : Dhandha Ta. Himatnagar , Dist- Sabarkantha Survey No.36/Pt in lieu 0.95 Ha. Proposal for Diversion of 0.95 Ha. forest land for Constructing Dhandha Vanchetana Road Ta- Himatnagar District Sabarkantha. 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.

Place: Himatnagar
Date: 07/05/2022


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


ANNEXURE - 21

CERTIFICATE

This is certified that 2.00 Ha. land of S.No. 36/Pt of Village Dhandha Taluka Himatnagar Dist. Sabarkantha Proposal for Proposal for Diversion of 0.95 Ha. forest land for Constructing Dhandha Vanchetana Road Ta-Himatnagar District Sabarkantha. Location map in Sabarkantha District. in the State of Gujarat of is identified and found suitable for afforestation.

Himatnagar.

Date: 07/05/2022


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