

Compensary Afforestation Scheme for double degraded area

Diversion of 20.00 Ha. Protected Forest land for Widening of existing Visnagar-Kheralu Via Umata road km 0/0 to 20/0 in favour of Executive Engineer, R & B Division in Mahesana District of Gujarat State.

Detailed scheme of Compensatory Afforestation for degraded area 40.00 ha. to be carried out in lieu of 20.00 ha. of Protected forest land to be diverted in Mehsana district.

1. Details of degraded land.

Village	Acharal
Taluka	Idar
Range	Vadali
District	Sabarkantha
Division	Sabarkantha Normal
Block/ Patal, Compartment No.	106pt
Area to be afforested	40.00 Ha.
Working circle	

2. Description of Area.

Soil type	Black & Starey
Topography	Plain & Hill
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 as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 40.00 ha.area. The total afforestation cost will be about Rs.17,20,5240/-Executive Engineer, R&B Division Mehsana, 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:-

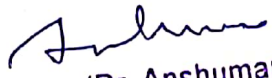
Technical details of Compensatory Afforestation are as Follows:

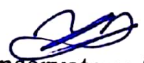
Sr. No.	Details	Specifications																									
a	General Details	The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas. The prevailing wage rate is 310.40 per day.																									
b	Spacement	3 X 3 mtr., 1111 plants per ha.																									
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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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 Jatropa, 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.																									

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		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.


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Name of works	Model No.	Area	Rate per Hac.	Amount											Total Rs.
				Zero Year Rs.	Ist Year Rs.	IInd Year Rs.	III rd Year Rs.	IVth Year Rs.	Vth Year Rs.	VIth Year Rs.	VIIth Year Rs.	VIIIth Year Rs.	IXth Year Rs.	Xth Year Rs.	
0 Year 70 % Adv. work. Ist Year Operation.	SMC	40.00	141472	5658880	0	0	0	0	0	0	0	0	0	0	5658880
Ist Year 30 % Advance work Current year plantation			92167	0	3686680	0	0	0	0	0	0	0	0	0	3686680
2nd Year operation Maintanance of one year old plantation.			64088	0	0	2563520	0	0	0	0	0	0	0	0	2563520
3rd Year operation Maintanance of 2 years old plantation.			50164	0	0	0	2006560	0	0	0	0	0	0	0	2006560
4th year operation Maint. of 3 years old plantation.			17436	0	0	0	0	697440	0	0	0	0	0	0	697440
5th year operation Maint. of 4 years old plantation.			9341	0	0	0	0	0	373640	0	0	0	0	0	373640
6th year operation Maint. of 5 years old plantation.			9925	0	0	0	0	0	0	397000	0	0	0	0	397000
7th year operation Maint. of 6 years old plantation.			10509	0	0	0	0	0	0	0	420360	0	0	0	420360
8th year operation Maint. of 7 years old plantation.			11093	0	0	0	0	0	0	0	0	443720	0	0	443720
9th year operation Maint. of 8 years old plantation.			11676	0	0	0	0	0	0	0	0	0	467040	0	467040
10th year operation Maint. of 9 years old plantation.			12260	0	0	0	0	0	0	0	0	0	0	490400	490400
Total			430131	5658880	3686680	2563520	2006560	697440	373640	397000	420360	443720	467040	490400	17205240

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Extens. Div. Visnagar

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Sabarkantha Himatnagar

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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	Acharal	Idar	Sabarkantha	106	50.17	50.17	40.00	10.17

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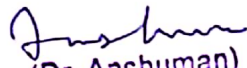
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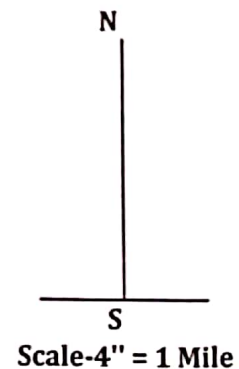
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Sabarkantha, Himatnagar

Location map of Degraded Forest land identified for 40.0 Ha. of Diversion of 20.00 Ha. Protected Forest land for Widening of existing Visnagar-Kheralu Via Umata road km 0/0 to 20/0 in favour of Executive Engineer, R & B Diversion in Mahesana District of Gujarat State.

Village: Achral Taluka Idar Dist Sabarkantha
 Forest Division: Sabarkantha. Range: Vadali
 Block No./Compartment No./Survey I 106 pt
 Compensatory Afforestation Area: H_a 40
 Model: 3

ATTECHED HERE WITH


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 Extension Division, Mehsana



☐ Area to be taken for Compensatory Afforestation.

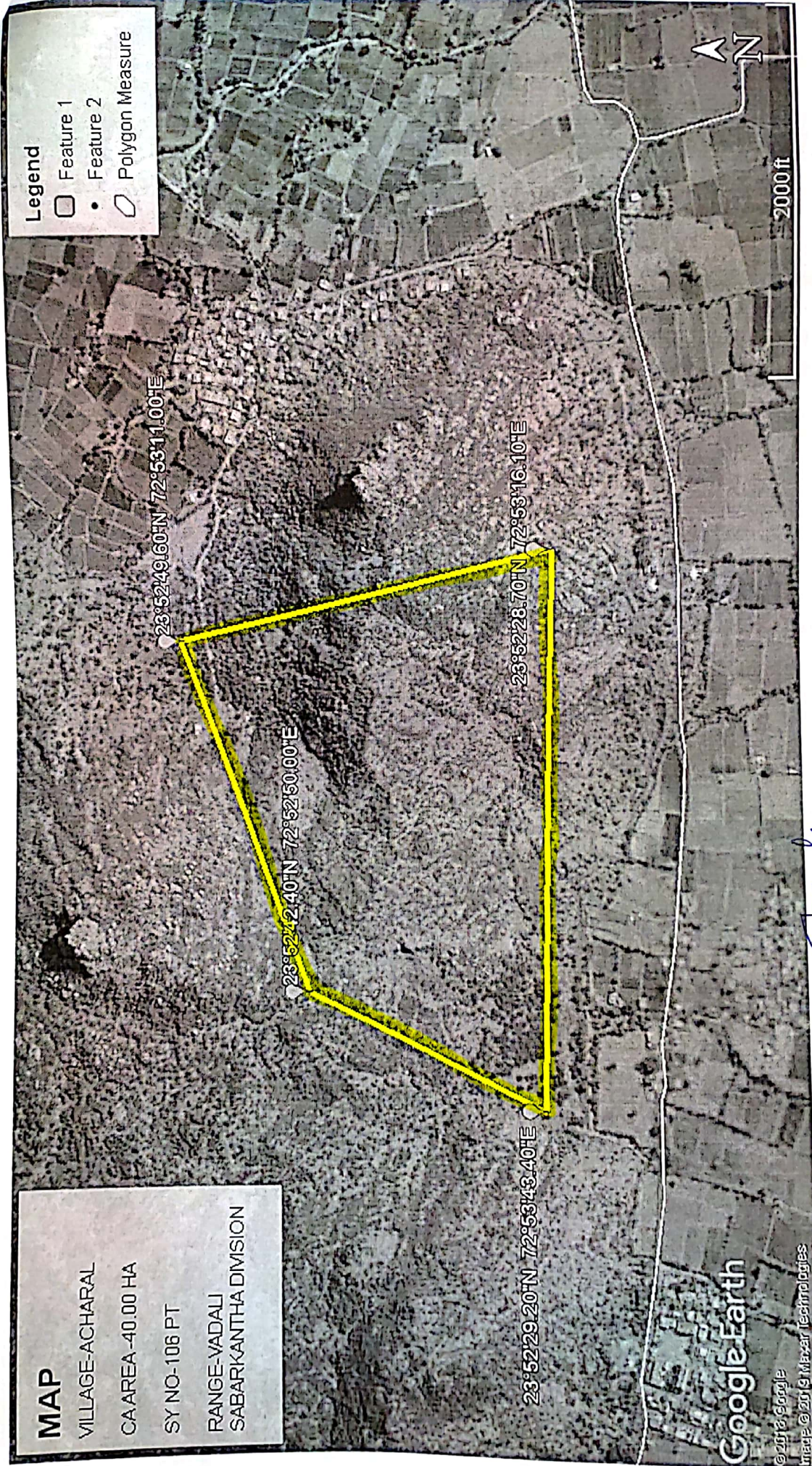
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 Sabarkantha Himatnagar.

MAP

VILLAGE-ACHARAL
CA AREA -40.00 HA
SY NO-108 PT
RANGE-VADALI
SABARIKANTHA DIVISION

Legend

- Feature 1
- Feature 2
- Polygon Measure



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Dy. C.F.S.K.

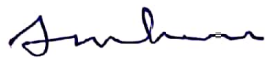
ANNEXURE
CERTIFICATE

This is certified that 40.0 Ha. land of S.No.106 pt of Village Achral Taluka Idar Dist. Sabarkantha proposed for compensatory afforestation against for Proposal For Diversion of 20.00 Ha. Protected Forest land for Widening of existing Visnagar-Kheralu Via Umata road km 0/0 to 20/0 in favour of Executive Engineer, R & B Division in Mahesana District of Gujarat State of is identified and found suitable for afforestation.

Himatnagar.

Date: 18/12/2019


Dy. Conservator of Forests,
Sabarkantha Himatnagar.

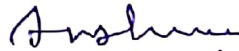

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CERTIFICATE


This is to certify that the compensatory afforestation scheme attached herewith for 40.0 Ha. Village :Achral Ta. Idar , Dist- Sabarkantha Survey No.106pt in lieu Diversion of 20.00 Ha. Protected Forest land for Widening of existing Visnagar-Kheralu Via Umata road km 0/0 to 20/0 in favour of Executive Engineer, R & B Diversion in Mahesana District of Gujarat State. 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: 18/12/2019


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