

## Annexure-19

### Compensary Afforestation Scheme for double degraded area

Diversion of 12.25 Ha. Protected Forest land for Widening of existing Visnagar-Vijapur road SH-130 in Ta.Visnagar & Vijapur of Mehsana District in favour of Executive Engineer, Mehsana (R & B) Division Mehsana.

Detailed scheme of Compensatory Afforestation for degraded area 25.00 ha. to be carried out in lieu of 12.25.00 ha. of Protected forest land to be diverted in Mehsana district.

#### 1. Details of degraded land.

Village	Panthal
Taluka	Khedbrahma
Range	RDF Khedbrahma
District	Sabarkantha
Division	Sabarkantha Normal
Block/ Patal, Compartment No.	54
Area to be afforested	25.00 Ha.
Working circle	

#### 2. Description of Area.

Soil type	Black & Starey
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.

#### Schedule of Plantation Programme:-

4.

(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 25.00 ha.area. The total afforestation cost will be about
(iii)	Rs.10,75,3275/-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

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### 5. Technical Details:-

Technical details of Compensatory Afforestation are as Follows:

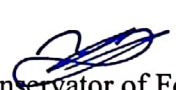
Sr. No.	Details	Specifications																									
a	General Details	The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas. The prevailing wage rate is 310.40 per day.																									
b	Spacement	3 X 3 mtr., 1111 plants per ha.																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

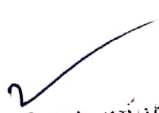
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	Protection Trench	Barbed wire fencing, Seed sowing And planting of cuttings of Ipomea/Glarcidia along the fence
i	Silvicultural Operations	1 <sup>st</sup> year three weeding soil working, Support watering will be provided if needed. 2 <sup>nd</sup> year two weeding soil working. 3 <sup>rd</sup> 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	(i) A plantation register is to be maintained. (ii) Monitoring is to be done as per the following norms. Forester – 100% RFO – 100% ACF – 20% DCF – 10% (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. (iv) The collar girth is also to be reordered at the end of each year. (v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo. (vi) Bamboo would be of the harvestable size by the end of 4 <sup>th</sup> year. (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.
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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Detailed scheme of Compensatory Afforestation to be carried out in lieu Diversion of 12.25 Ha. Protected Forest Land of road Widening of existing Visnagar-Vijapur road SH-130 in Taluk Vijapur of Mehsana District in favour of Executive Engineer, Mehsana (R & B) Division Mehsana.

Name of works	Model No.	Area	Rate per Hac.	Amount											Total Rs.
				Zero Year Rs.	Ist Year Rs.	IIInd 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	25.00	141472	3536800	0	0	0	0	0	0	0	0	0	0	3536800
Ist Year 30 % Advance work Current year plantation			92167	0	2304175	0	0	0	0	0	0	0	0	0	2304175
2nd Year operation Maintenance of one year old plantation.			64088	0	0	1602200	0	0	0	0	0	0	0	0	1602200
3rd Year operation Maintenance of 2 years old plantation.			50164	0	0	0	1254100	0	0	0	0	0	0	0	1254100
4th year operation Maint. of 3 years old plantation.			17436	0	0	0	0	435900	0	0	0	0	0	0	435900
5th year operation Maint. of 4 years old plantation.			9341	0	0	0	0	0	233525	0	0	0	0	0	233525
6th year operation Maint. of 5 years old plantation.			9925	0	0	0	0	0	0	248125	0	0	0	0	248125
7th year operation Maint. of 6 years old plantation.			10509	0	0	0	0	0	0	0	262725	0	0	0	262725
8th year operation Maint. of 7 years old plantation.			11093	0	0	0	0	0	0	0	0	277325	0	0	277325
9th year operation Maint. of 8 years old plantation.			11676	0	0	0	0	0	0	0	0	0	291900	0	291900
10th year operation Maint. of 9 years old plantation.			12260	0	0	0	0	0	0	0	0	0	0	306500	306500
Total			430131	3536800	2304175	1602200	1254100	435900	233525	248125	262725	277325	291900	306500	10753275

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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	Panthal	Khedbrahma	Sabarkantha	54	44.64	44.6400	25.00	19.64

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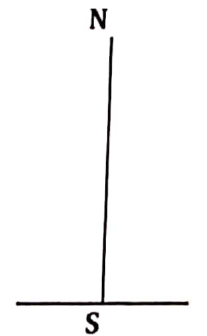
  
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Location map of Degraded Forest land Identified for 25.00 Ha. of Diversion of 12.25 Ha. Protected Forest Land of road Widening of existing Visnagar-Vijapur road SH-130 in Ta.Visnagar & Vijapur of Mehsana District In favour of Executive Engineer, Mehsana (R & B) Division Mehsana.

Village: Panthal Taluka Khedbrahma Dist Sabarkantha  
Forest Division: Sabarkantha. Range: RDF Khedbrahma  
Block No./Compartment No./Survey No.54  
Compensatory Afforestation Area: Ha.12.25  
Model: 3


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Scale-4" = 1 Mile

☐ Area to be taken for Compensatory Afforestation.

  
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Sabarkantha Himatnagar.



MAP

VILLAGE: PANTHAL

CA. V. 2. 25. 20. 2. 2

SUNO - 54

RAJCE- RDE KEDDEBURAHA  
SABARKANTHADIVISION

Gadha

24° 8'48.53"N 72°58'2.37"E

24° 8'42.90"N 72°58'12.91"E

24° 8'36.12"N 72°57'43.75"E

24° 8'27.47"N 72°57'55.89"E

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Extension Division, Mehsana

Dy Conservator of Forest  
S.K. Himatnagar




**ANNEXURE**  
**CERTIFICATE**

This is certified that 25.00 Ha. land of S.No.54 of Village Panthal Taluka Khedbrahma Dist. Sabarkantha proposed for compensatory afforestation against for Proposal For Diversion of 12.25 Ha. Protected Forest Land of road Widening of existing Visnagar-Vijapur road SH-130 in Ta.Visnagar & Vijapur of Mehsana District in favour of Executive Engineer, Mehsana (R & B) Division Mehsana. in the State of Gujrat of is identified and found suitable for afforestation.

Himatnagar.

Date: 22/12/2019

  
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Sabarkantha Himatnagar.

✓  
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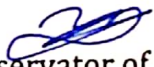


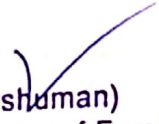
## CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 25.00 Ha. Village :Panthal Ta. Khedbrahma , Dist- Sabarkantha Survey No.54 in lieu Diversion of 12.25 Ha. Protected Forest Land of road Widening of existing Visnagar-Vijapur road SH-130 in Ta.Visnagar & Vijapur of Mehsana District in favour of Executive Engineer, Mehsana (R & B) Division Mehsana. in the State of Gujarat Location map in Mahesana 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: 22/12/2019

  
Dy.Conservator of Forests,  
Sabarkantha Himatnagar.

  
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