

Annexure-19

Compensary Afforestation Scheme for double degraded area

Diversion of 17.33 Ha. Protected Forest land for non forest purpose for widening of Marja-Talod-Harsol-Gambhoi Road in Taluka Talod & Himmatnagar District Sabarkantha.

Detailed scheme of Compensatory Afforestation for degraded area 35.00 ha. to be carried out in lieu of 17.33 ha. of Protected forest land to be diverted in Sabarkantha district.

1. Details of degraded land.

Village	Bhemapur, Kau
Taluka	Meghraj, Modasa
Range	Meghraj, Modasa
District	Aravalli
Division	Aravalli Normal
Block/ Patal, Compartment No.	30/1, 218 pt
Area to be afforested	35.00 Ha. (Bhemapur-15 ha. Kau-20 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.

4. Schedule of Plantation Programme:-


- (i) The Compensatory Afforestation on degraded area would be started by Dy.Conservator of Forest Aravalli Division as early as possible after the proposal is formally approved.
- (ii) Compensatory Afforestation will be done in 35.00 ha.area The total afforestation cost will be about
- (iii) Rs.1,50,54,585/- Executive Engineer, R&B Division Himmatnagr, has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

4. 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 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	(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 th 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.


 Dy. Conservator of Forest
 Aravalli Division
 Modasa

Proposal for Diversion of (17.33 Ha) Protected . Forest land for non forest purpose for widening of Marja-Talod-Harsol-Gambhoi Road in Taluka Talod & Himmatnagar District Sabarkantha.

Name of works	Model No.	Area	Rate per	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.	Model No.3	35.00	141472	4951520	0	0	0	0	0	0	0	0	0	0	4951520
Ist Year 30 % Advance work Current year plantation			92167	0	3225845	0	0	0	0	0	0	0	0	0	3225845
2nd Year operation Maintenance of one year old plantation.			64088	0	0	2243080	0	0	0	0	0	0	0	0	2243080
3rd Year operation Maintenance of 2 years old plantation.			50164	0	0	0	1755740	0	0	0	0	0	0	0	1755740
4th year operation Maint.of 3 years old plantation.			17436	0	0	0	0	610260	0	0	0	0	0	0	610260
5th year operation Maint.of 4 years old plantation.			9341	0	0	0	0	0	326935	0	0	0	0	0	326935
6th year operation Maint.of 5 years old plantation.			9925	0	0	0	0	0	0	347375	0	0	0	0	347375
7th year operation Maint.of 6 years old plantation.			10509	0	0	0	0	0	0	0	367815	0	0	0	367815
8th year operation Maint.of 7 years old plantation.			11093	0	0	0	0	0	0	0	0	388255	0	0	388255
9th year operation Maint.of 8 years old plantation.			11676	0	0	0	0	0	0	0	0	0	408660	0	408660
10th year operation Maint.of 9 years old plantation.			12260	0	0	0	0	0	0	0	0	0	0	429100	429100
Total			430131	4951520	3225845	2243080	1755740	610260	326935	347375	367815	388255	408660	429100	15054585


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Aravalli Division
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Aravalli Normal Division, Modasa

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	Bhemapur, Kau	Meghraj, Modasa	Aravalli	30/1, 218	138.88	-	15.00	123.88
					54.63	-	20.00	34.63



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Aravalli Division
Modasa**

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Proposal for Diversion of (17.33 Ha) Protected . Forest land for non forest purpose for widening of Marja-Talod-Harsol-Gambhoi Road in Taluka Talod & Himmatnagar District Sabarkantha.

Village:	Bhemapur, Kau
Forest Division :	Aravalli
Block No./Compartment No./Survey No.	30/1, 218
Compensatory Afforestation Area: Ha.	35.00 (Bhemapur-15.00 ha., Kau-20.00 ha.)
Model:	3

ATTECHED HERE WITH

Area to be taken for Compensatory Afforestation.

N
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Scale-4" = 1 Mile
Dy.Conservator of
Forests
Aravalli Division

Geo Reference Map

Village-Ennemajur

Sy no-3001

C.A Area-15.00 ha

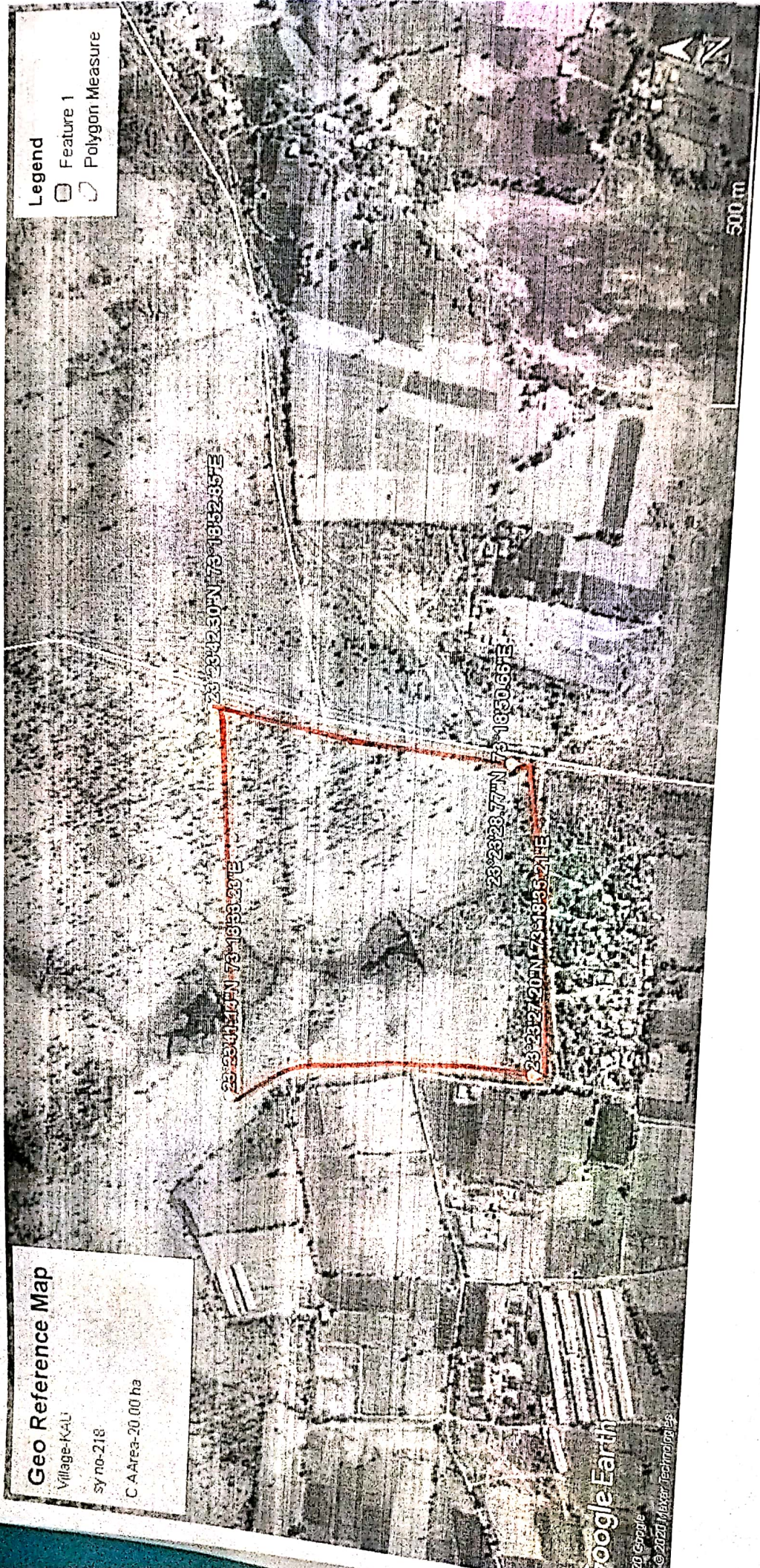
Legend

- Feature 1
- Polygon Measure



Deputy Conservator of Forests
Aravalli Forest Division
Modasa

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Geo Reference Map

Village-Kali

sy no-218

C A Area-20.00 ha

Legend

Feature 1

Polygon Measure

23°23'41.14"N 73°18'53.23"E

23°23'42.30"N 73°18'52.85"E

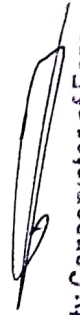
23°23'23.77"N 73°18'50.66"E

23°23'27.20"N 73°18'55.21"E

500 m

Google Earth
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Deputy Conservator of Forests
Aravalli Forest Division
Modasa


ANNEXURE

CERTIFICATE

This is certified that 15.00 Ha. land of S.No. 30/1 of Village Bhemapur, Taluka Meghraj and 20.00 Ha. land of S.No. 218 Village Kau, Taluka Modasa, Dist. Aravalli Total 35.00 Ha. proposed for compensatory afforestation against for Proposal For Diversion of 17.33 Ha. Protected Forest land for non forest purpose for widening of Marja-Talod-Harsol-Gambhoi Road in Taluka Talod & Himmatnagar, District Sabarkantha in the State of Gujrat of is identified and found suitable for afforestation.

Modasa

Date: 13 /03/2020

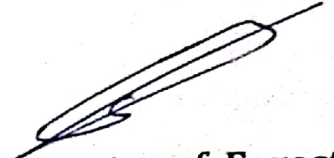

Dy.Conservator of Forests
Aravalli Division
Modasa

CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 15.00 Ha. land of S.No. 30/1 of Village Bhemapur, Taluka Meghraj and 20.00 Ha. land of S.No. 218 Village Kau, Taluka Modasa, Dist. Aravalli Total 35.00 Ha in lieu Diversion of 17.33 Ha. Forest land for non forest purpose for widening of Marja-Talod-Harsol-Gambhoi Road in Taluka Talod & Himmatnagar, District Sabarkantha, in the State of Gujarat Location map in Aravalli 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.

Modasa

Date: 13 /03/2020


Dy.Conservator of Forests
Aravalli Division
Modasa