

Location map of Degraded Forest land identified for 15.00 Ha. of Proposal for Diversion of 7.173 Ha. forest land for laying of 66 KV Ubsal Vijaynagar Line Through saroli, Bhatela, Garada & Jaleti Village, Ta-Vijaynagar Dist-Sabarkantha of Gujrat

Village: Dantral Taluka Poshina Dist Sabarkantha
Forest Division: Sabarkantha. Range: RDF Poshina
Block No./Compartment No./Survey No.205
Compensatory Afforestation Area: Ha.15.00
Model: 3

ATTECHED HERE WITH

☐ **Area to be taken for Compensatory Afforestation.**

N
|
S
Scale-4" = 1 Mile


Dy.Conservator of Forests
Sabarkantha Himatnagar.

C.A MAP

Villages-Dantral
C.A area -15.00 Ha.
su. No- 205
range - RDF Poshins
Sabarkantha Divison

Legend
Feature 1
Untitled Polygon

24°17'54.25"N 73° 0'11.78"E

24°17'49.23"N 73° 0'24.46"E

24°17'41.97"N 73° 0'6.62"E

24°17'37.51"N 73° 0'18.11"E

Google Earth

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1000 ft

N

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Annexure-19

Compensary Afforestation Scheme for double degraded area

Diversion of 7.173 Hect. Forest Land for laying of 66KV Ubsal Vijaynagar Line Through Saroli, Bhatela, Garada & Jaleti Villages, Ta-Vijaynagar Dist-Sabarkantha

Detailed scheme of Compensatory Afforestation for degraded area 15.00 ha. to be carried out in lieu of 7.173 ha. of forest land to be diverted in sabarkantha district.

1. Details of degraded land.

Village	Dantral
Taluka	Poshina
Range	RDF Poshina
District	Sabarkantha
Division	Sabarkantha Normal
Block/ Patal, Compartment No./Survey no.	205
Area to be afforested	15.00 Ha.
Working circle	

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 15.00 ha.area. The total afforestation cost will be about Rs.73,42,596/- Executive Engineer, (Const) GETCO Division office Himmatnagar 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 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 border="1"> <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																										
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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	(i) Pucca structure like Check dam, Check wall, Retaining wall (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.																									
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. Rs.73,42,596 /-** is technically and administrative approved by the undersigned.


Dy. Conservator of Forest
Sabarkantha, Himatnagar

Detailed scheme of Compensatory Afforestation to be carried out in lieu 7.173 Ha. Proposal for Diversion of 7.173 Ha. forest land for laying of 66 KV Ubsal Vijaynagar Line Through saroli, Bhatela, Garada & Jaleti Village, Ta-Vijaynagar Dist-Sabarkantha of Gujarat

Amount		Name of works	Model No.	Area	Rate per	Amount													Daily wages Rs.324.20	
Zero Year 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%	Total Rs.			
29098		0 Year 70 % Adv.work. 1st Year Operation.	Model-3	15.00	156673	2350095	0	0	0	0	0	0	0	0	0	0	0	470019	2820114	
0		1st Year 30 % Advance work Current year plantation			80219	0	1203285	0	0	0	0	0	0	0	0	0	0	240657	1443942	
0		2nd Year operation Maintenance of one year old plantation.			55780	0	0	836700	0	0	0	0	0	0	0	0	0	167340	1004040	
0		3rd Year operation Maintenance of 2 years old plantation.			43663	0	0	0	654945	0	0	0	0	0	0	0	0	130989	785934	
0		4th year operation MaintLoF 3 years old plantation.			15177	0	0	0	0	227655	0	0	0	0	0	0	0	45531	273186	
0		5th year operation MaintLoF 4 years old plantation.			8131	0	0	0	0	0	121965	0	0	0	0	0	0	24393	146358	
0		6th year operation MaintLoF 5 years old plantation.			8639	0	0	0	0	0	0	129585	0	0	0	0	0	25917	155502	
0		7th year operation MaintLoF 6 years old plantation.			9148	0	0	0	0	0	0	0	137220	0	0	0	0	27444	164664	
0		8th year operation MaintLoF 7 years old plantation.			9656	0	0	0	0	0	0	0	0	144840	0	0	0	28968	173808	
0		9th year operation MaintLoF 8 years old plantation.			10164	0	0	0	0	0	0	0	0	0	152460	0	0	30492	182952	
0		10th year operation MaintLoF 9 years old plantation.			10672	0	0	0	0	0	0	0	0	0	0	160080	0	32016	192096	
29098		Total			407922	2350095	1203285	836700	654945	227655	121965	129585	137220	144840	152460	160080	1223766	7342596		


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Detailed scheme of Compensatory Afforestation to be carried out in lieu 7.173 Ha.Diversion of 7.173 Ha. forest land for laying of 66 KV Ubsal Vijaynagar Line Through saroli, Bhatela, Garada & Jaleti Village, Ta-Vijaynagar Dist-Sabarkantha

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	Dantral	Poshina	Sabarkantha	205	339.28	0.0000	15.00	324.28


 Dy. Conservator of Forest
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Model No - 3

Compensatory Afforestation Scheme for Dubble degraded area under FCA Proposal

Diversion of 7.173 Ha. forest land for laying of 66 KV Ubsal Vijaynagar Line Through saroli, Bhatela, Garada & Jaleti Village, Ta-Vijaynagar Dist-Sabarkantha (C.A.15.00 Ha.)

Daily wages Rs.324.20

Spacemts = 3 m x 3 m				
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	1912	1912
(b) labour : Preparation of beds, filling and arranging of	1222	4677	242	4919
(c) Seedling cost for casualty replacement in one year old (20%)	222	1477	441	1918
(d) Seedling cost for casualty replacement in two year old (10%)	111	739	220	959
Total		6893	2815	9708
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3515	0	3515
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	10148	0	10148
Total		13663	0	13663
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	10350	10350
Total		0	10350	10350
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	12484	24781	37265
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9503	0	9503
Total		21987	24781	46768
4. Protection				
(a) Barbed wire fencing (par Ha Rmt)	100	33538	40990	74528
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the		1159	497	1656
Total		34697	41487	76184
Total for 0 year		77240	79433	156673
1st Year				
(a) Maintenance of nursery (April to June)	1222	3587	359	3946
(b) Transport of seedling for plantation	1111	1968	407	2375
(c) Planting with khamna of Min 1 m dia	1111	6049	0	6049
(d)Transport & planting of seedling for casualty replacement	111	210	46	256

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(e) 3 weeding cum soil working	1111	23579	0	23579
(f) Support watering 5 times @ 3.25		15072	21626	36698
(g) Protection / tending operation		4878	0	4878
(h) Tending to natural vegetation		1219	0	1219
(i) Contingency		0	1219	1219
Total for 1st year		56562	23657	80219
2nd Year				
(a) 2 weeding & soil working		13095	0	13095
(b) 20 % Casually replcement, transport and planting	111+111	220	1097	1317
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12232	12232
(d) Support watering 3 times @ 3.25		9794	14057	23851
(e) Protection / tending operation		5285	0	5285
Total for 2nd year		28394	27386	55780
3rd Year				
(a) 2 weeding & soil working		14102	0	14102
(b) 10 % Casually replcement, transport and planting	111	119	591	710
(b) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	13173	13173
(c) Support watering 1 times @ 3.25		3517	5046	8563
(d) Protection & maintenance of fencing / tending operation	L.S.	7115	0	7115
Total for 3rd year		24853	18810	43663
4thYear				
(a) 1 weeding & soil working		7554	0	7554
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7623	0	7623
Total for 4th year		15177	0	15177
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8131	0	8131
Total for 5th year		8131	0	8131
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8639	0	8639
Total for 6th year		8639	0	8639
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9148	0	9148
Total for 7th year		9148	0	9148
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9656	0	9656
Total for 8th year		9656	0	9656
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10164	0	10164
Total for 9th year		10164	0	10164
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10672	0	10672


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		10672	0	10672
Total for 10th year		258636	149286	407922
SubTotal		51727	29857	81584
Total cost of supervision/subsequentals/livicultureal operations	20%	310363	179143	489506
Grand Total				

Note :-

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


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Sabarkantha Himatnagar


Annexure - 20

CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 15.00 Ha. Village : Dantral Ta. Vijaynagar, Dist- Sabarkantha Survey No.205 in lieu 7.173 Ha. Proposal For Diversion of 7.173 Ha. forest land for laying of 66 KV Ubsal Vijaynagar Line Through saroli, Bhatela, Garada & Jaleti Village, Ta-Vijaynagar Dist-Sabarkantha the State of Gujarat 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.

Himatnagar.

Date: 17/02/2020


Dy.Conservator of Forests,
Sabarkantha Himatnagar.


ANNEXURE - 21

CERTIFICATE

This is certified that 15.00 Ha. land of S.No.205 of Village Dantral Taluka Poshina Dist. Sabarkantha proposed for compensatory afforestation against for Proposal For Diversion of 7.173 Ha. forest land for laying of 66 KV Ubsal Vijaynagar Line Through saroli, Bhatela, Garada & Jaleti Village, Ta-Vijaynagar Dist-Sabarkantha in the State of Gujarat Location map in Sabarkantha District. in the State of Gujrat of is identified and found suitable for afforestation.

Himatnagar.

Date: 17/02/2020


Dy.Conservator of Forests,
Sabarkantha Himatnagar.