


Annexure-18

Location map of Degraded Forest land identified for 2.00 Ha. of Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road Nada-Kharaniya Village in forest land of Poshina Taluka of Sabarkantha District.

Village: **Zanzava Taluka Khedbrahma Dist Sabarkantha**
Forest Division: **Sabarkantha**. Range: RDF Khedbrahma
Block No./Compartment No./Survey No.547/B
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.

Legend

Village: Zanzava

Subject: Nada to Karumadi Road
Div Area: 0.99.90 Ha
CA Area: 2.00.00 Ha

24 137049° 73 049849°

24 136729° 73 048963°

24 136018° 73 050572°

24 135030° 73 049673°

Google Earth

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100 m

N

(Signature)
(H. J. THAKKAR)

Dy. Conservator of Forest
Sabarkantha, Himmatnagar

Scale	1:50,000
Projection	UTM
Zone	48N
Datum	WGS 84
Units	Metres
Contour Interval	20m
Map Sheet No.	48N/01/001
Sheet Size	50cm x 50cm
Scale	1:50,000
Projection	UTM
Zone	48N
Datum	WGS 84
Units	Metres
Contour Interval	20m
Map Sheet No.	48N/01/001
Sheet Size	50cm x 50cm



Proposed CH Area
 Village Zangzua Takhes nehme
 CH Area 400.00 Hll

Dy. Conservator of Forest
 Sabarwanda, Himachal Pradesh

Annexure-19

Compensatory Afforestation Scheme for double degraded area

Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road Nada-Kharaniya Village in forest land of Poshina Taluka of Sabarkantha District. (C.A Area-2.00 Ha.)

Detailed scheme of Compensatory Afforestation for double degraded area 2.00 ha. to be carried out in lieu of 0.999 Ha. of forest land to be diverted in sabarkantha district.

1. **Details of degraded land.**

Village	Zanzava
Taluka	Khedbrahma
Range	RDF Khedbrahma
District	Sabarkantha
Division	Sabarkantha Normal
Block/ Patal, Compartment No./Survey no.	547/B
Areato be afforested	2.00 Ha.
Working circle	AWC
Coupe No	5
Felling Series	IV

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 double Degraded Area.

4. **Schedule of Plantation Programme:-**


(i)	The Compensatory Afforestation on double 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 2.00 Ha.area. The total afforestation cost will be about Rs.16,08,349/- Executive Engineer R & B Panchayat 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 476.00 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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Ardusa	75																										
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	<p>1styear three weeding soil working, Support watering will be provided if needed.</p> <p>2nd year two weeding soil working.</p> <p>3rdyear one weeding soil working.</p>																									
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.


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

The Compensatory Afforestation scheme at the cost of Rs.16,08,349/- 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 2.00 Ha. Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road Nada-Kharaniya Village in forest land of Poshina Taluka of Sabarkantha District.

Name of works	Model No.	Area H.A.	Rate per Hac.	Amount										Daily wages Rs.476.00			
				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	263956	527912	0	0	0	0	0	0	0	0	0	0	0	105582	633494
1st Year 30 % Advance work Current year plantation			117783	0	235566	0	0	0	0	0	0	0	0	0	0	0	47113
2nd Year operation Maintenance of one year old plantation.			99860	0		0	199720	0	0	0	0	0	0	0	0	39944	239664
3rd Year operation Mainnenance of 2 years old plantation.			83446	0	0	0	166892	0	0	0	0	0	0	0	0	33378	200270
4th year operation Maint.of 3 years old plantation.			22283	0	0	0	0	44566	0	0	0	0	0	0	0	8913	53479
5th year operation Maint.of 4 years old plantation.			11938	0	0	0	0	0	23876	0	0	0	0	0	0	4775	28651
6th year operation Maint.of 5 years old plantation.			12684	0	0	0	0	0	0	25368	0	0	0	0	0	5074	30442
7th year operation Maint.of 6 years old plantation.			13430	0	0	0	0	0	0	0	26860	0	0	0	0	5372	32232
8th year operation Maint.of 7 years old plantation.			14176	0	0	0	0	0	0	0	0	28352	0	0	0	5670	34022
9th year operation Maint.of 8 years old plantation.			14922	0	0	0	0	0	0	0	0	0	29844	0	0	5969	35813
10th year operation Maint.of 9 years old plantation.			15668	0	0	0	0	0	0	0	0	0	0	0	31336	6267	37603
Total			670146	527912	235566	199720	166892	44566	23876	25368	26860	28352	29844	31336	268057	1608349	

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Dy.Conservator of Forests
Sabarkantha Himatnagar

Detailed scheme of Compensatory Afforestation to be carried out in lieu 2.00 Ha of Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road Nada-Kharaniya Village in forest land of Poshina Taluka of Sabarkantha District.

Sabarkantha Normal Division, Himatnagar						
Sr.No.	Name of Village	Taluka	District	Forest Survey No.	Total area.	Area Carried out of C.A. ha.
1	Zanzava	Khedbrahma	Sabarkantha	547/B	40.72	1.00
						2.00
						37.72



(H.J. THAKKAR)

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Sabarkantha, Himatnagar


Model No - 3

Compensatory Afforestation Scheme for Dubble degraded area under FCA Proposal

Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road Nada-Kharaniya Village in forest land of Poshina Taluka of Sabarkantha District. (C.A. 2.00 Ha.)

Daily wages Rs 476.00

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	2807	2807
(b) labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222	6866	355	7221
(c) Seedling cost for casualty replacement in one year old (20%)	222	2169	648	2817
(d) Seedling cost for casualty replacement in two year old (10%)	111	1086	322	1408
Total		10121	4132	14253
2. Area Development (Land Preparation)				
(a) Clearing/ burning of unwanted undergrowth/ grasses.	ha.	2422		2422
(b) Survey, cutback and promotion of root suckers		5159	0	5159
(c) Alignment and digging of pits 0.45 X 0.45 X 0.45	1111 @22.05	26948	0	26948
Total		34529	0	34529
(a) Natural fertilizer (Neem cake/ Castor cake)	1111@ 10.00	0	12221	12221
Total		0	12221	12221
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	18328	36384	54712
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.73.50/rmt (300 trench)	per	24255	0	24255
(c) Contour trench 1 M x 45 Cm x 30 Cm as per Rs.36.75/rmt (300 trench)		12128	0	12128
Total		54711	0	91095
4. Protection				
(a) Barbed wire fencing (par Ha Rmt)	100	49242	60184	109426
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the		1702	730	2432
Total		50944	60914	111858
Total for 0 year		150305	77267	263956
1st Year				
(a) Maintenance of nursery (April to June)	1222	5267	527	5794


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(b) Transport of seedling for plantation	1111	2890	598	3488
(c) Planting with khamna of Min 1 m dia	1111	8882	0	8882
(d) Transport & planting of seedling for casualty replacement	111	308	67	375
(e) 3 weeding cum soil working	1111	34619	0	34619
(f) Support watering 5 times @ 3.25		22129	31753	53882
(g) Protection / tending operation		7163	0	7163
(h) Tending to natural vegetation		1790	0	1790
(i) Contingency		0	1790	1790
Total for 1st year		83048	34735	117783
2nd Year				
(a) 2 weeding & soil working		19227	0	19227
(b) 20 % Casually replacement, transport and planting	111+111	324	1609	1933
(c) Natural fertilizer (neem cake / castor cake) etc.	Rs.5/ plant	0	35919	35919
(d) Support watering 3 times @ 3.25		14381	20640	35021
(e) Protection / tending operation		7760	0	7760
Total for 2nd year		41692	58168	99860
3rd Year				
(a) 2 weeding & soil working		20706	0	20706
(b) 10 % Casually replacement, transport and planting	111	174	867	1041
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	38682	38682
(d) Support watering 1 times @ 3.25		5163	7409	12572
(e) Protection & maintenance of fencing / tending operation	L.S.	10445	0	10445
Total for 3rd year		36488	46958	83446
4th Year				
(a) 1 weeding & soil working		11091	0	11091
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	11192	0	11192
Total for 4th year		22283	0	22283
5th Year				
Protection & maintenance of fencing/ tending operation	L.S.	11938	0	11938
Total for 5th year		11938	0	11938
6th Year				
Protection & maintenance of fencing/ tending operation	L.S.	12684	0	12684
Total for 6th year		12684	0	12684
7th Year				
Protection & maintenance of fencing/ tending operation	L.S.	13430	0	13430
Total for 7th year		13430	0	13430
8th Year				
Protection & maintenance of fencing/ tending operation	L.S.	14176	0	14176
Total for 8th year		14176	0	14176
9th Year				
Protection & maintenance of fencing/ tending operation	L.S.	14922	0	14922


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 Dy, Conservator of Forest
 Sabarkantha, Himmatnagar

Total for 9th year		14922	0	14922
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	15668	0	15668
Total for 10th year		15668	0	15668
SubTotal		416634	217128	670146
Total cost of supervision/subsequent silviculture operations	20%	83327	43426	134029
Grand Total		499961	260554	804175

Note :-

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


 (H.L. 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 : Zanzava Ta. Khedbrahma, Dist- Sabarkantha Survey No.547/B in lieu 0.999 Ha. Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road Nada-Kharaniya Village in forest land of Poshina Taluka of Sabarkantha District. 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: 25/10/2024

(H.J. THAKKAR)

Dy. Conservator of Forests,
Sabarkantha Himatnagar.


ANNEXURE-21

CERTIFICATE

This is certified that 2.00 Ha. land of S.No.547/B of Village Zanzava Taluka Khedbrahma Dist. Sabarkantha Proposal for Diversion of (Area 0.999 Ha.) Forest land for Non-forest purpose for Construction of Road Nada-Kharaniya Village in forest land of Poshina Taluka of Sabarkantha District. Location map in Sabarkantha District. in the State of Gujarat of is identified and found suitable for afforestation.

Himatnagar.

Date: 25/10/2024


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