

Annexure-18

Details of non-forest land / degraded forest area identified for compensatory afforestation viz.. Survey No. / Compartment No. / Khasra No./ Khatoni No. Village, Tehsil, District etc. along with map in appropriate scale showing the boundaries of adjoining forest areas with their use in distinct colours and GPS readings.

Sr.No.	Details	Description
1	Village	Malana
2	Taluka	Palanpur
3	District	Banaskantha
4	Survey No/Compartment No./Khasra No.	452/pt.
5	Area To be Afforested	1.00 Ha.
6	Name of Range	Palanpur
7	Name of Division	Banaskantha
8	G.P.S. Location With Longitude & Latitude of Proposal	Attached herewith

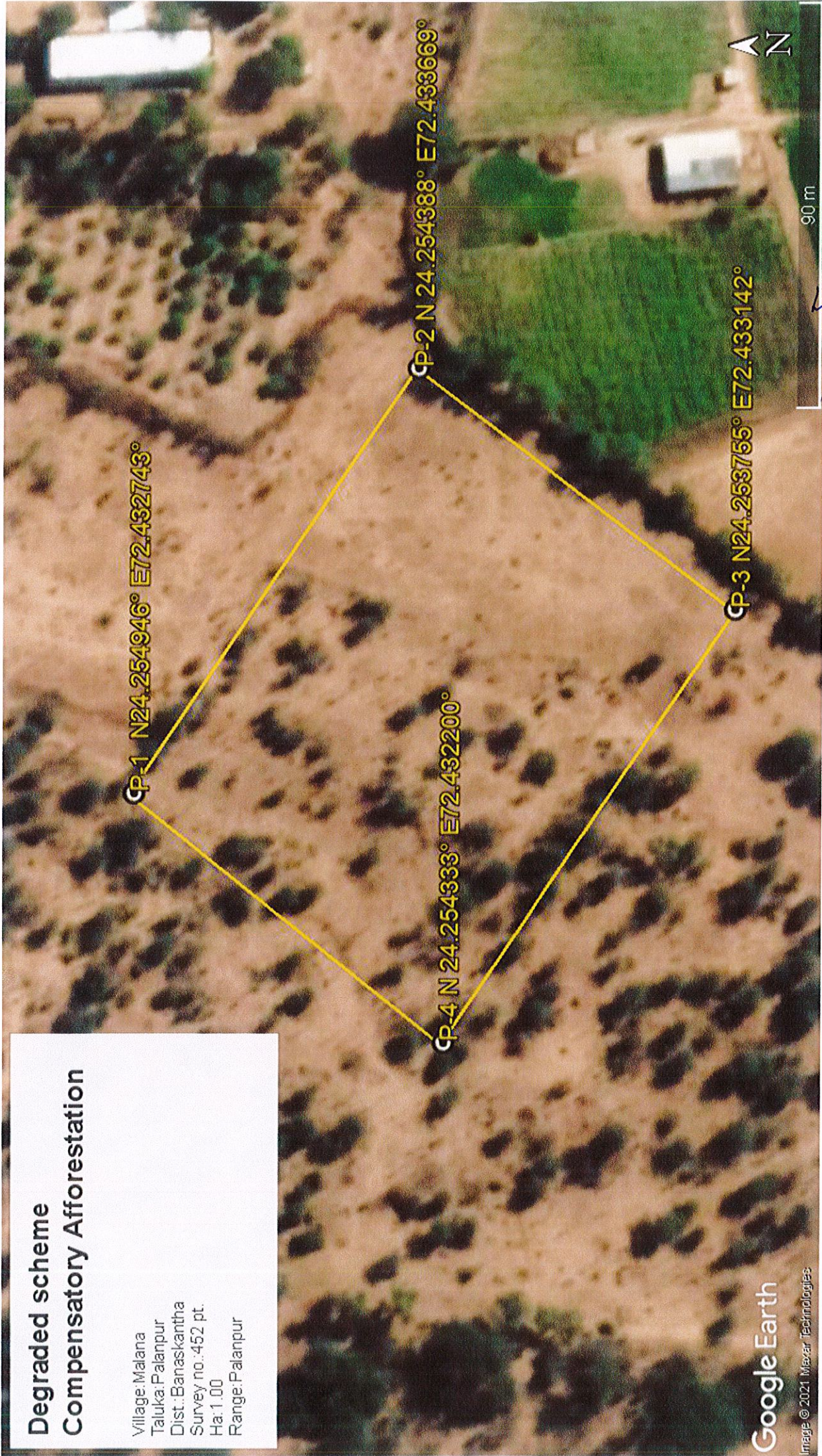
Palanpur

Date: 26/11/2021

Dy. Conservator of Forests,
Banaskantha Palanpur

Degraded scheme Compensatory Afforestation

Village: Malana
Taluka: Palanpur
Dist.: Banaskantha
Survey no.: 452 pt.
Ha: 1.00
Range: Palanpur



Deputy Conservator of Forests
Banaskantha, Palanpur.

Compensary Afforestation Scheme for Double Degraded Area

Subject: Diversion of 0.30996 ha. Forest/Sanctuary Land for Proposal for grant of permission for laying Optical Fiber Cable along the routes mentioned hereunder.

Detailed scheme of Compensatory Afforestation for Double degraded Area 1.00 ha. to be carried out in lieu of 0.30996 ha. of Forest land to be diverted in Banaskantha district.

1. Details of degraded land.

Village	Malana
Taluka	Palanpur
Range	Palanpur
District	Banaskantha
Division	Banaskantha
Block/ Patal, Compartment No., Survey No	452/pt
Area to be afforested	1.00 ha.
Working circle	Reboishment and watershed development working cricle

2. Description of Area.

Soil type	Sandy/Muram
Topography	Medium
Slope	Medium
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 Banaskantha Division as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 2.50 ha. area. The total afforestation cost will be about Rs.6,64,118/- Jio Digital Fibre Pvt. Ltd., Thaltej-Ahmedabad 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 degraded area. The prevailing wage rates 340.20 per day.																																										
b	Spacement	3 X 3 mtr., 1111 plants per ha.																																										
c	Species to be planted (No. of plants per ha.)	<table><tr><th>Speaces</th><th>Number of Plants</th><th>Minimum planting height (in cm.)</th><th>Minimum planting collar growth (in cm.)</th></tr><tr><td>Babul</td><td>100</td><td>65</td><td rowspan="11">Minimum planting collar growth 1c.m. diameter at the time of planting.</td></tr><tr><td>Kanji</td><td>200</td><td>75</td></tr><tr><td>Bordi</td><td>250</td><td>65</td></tr><tr><td>Neem</td><td>50</td><td>75</td></tr><tr><td>Gunda</td><td>50</td><td>75</td></tr><tr><td>Gundi</td><td>50</td><td>50</td></tr><tr><td>Bamboo</td><td>25</td><td>65</td></tr><tr><td>Ardusa</td><td>125</td><td>90</td></tr><tr><td>RagatRoyado</td><td>50</td><td>50</td></tr><tr><td>Garmalo</td><td>100</td><td>65</td></tr><tr><td>Khakhro (Buteamonospermavar, lutea),Dudhkudi (Wrightiatinctoria), Aval, Kada</td><td>111</td><td>50</td></tr><tr><td>Total</td><td>1111</td><td></td><td></td></tr></table>	Speaces	Number of Plants	Minimum planting height (in cm.)	Minimum planting collar growth (in cm.)	Babul	100	65	Minimum planting collar growth 1c.m. diameter at the time of planting.	Kanji	200	75	Bordi	250	65	Neem	50	75	Gunda	50	75	Gundi	50	50	Bamboo	25	65	Ardusa	125	90	RagatRoyado	50	50	Garmalo	100	65	Khakhro (Buteamonospermavar, lutea),Dudhkudi (Wrightiatinctoria), Aval, Kada	111	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	(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 and percolation tank 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	(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 4th 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
Banaskantha, Palanpur

The Compensatory Afforestation scheme at the cost of **Rs.6,64,118/-** is technically and administrative approved by the undersigned.

Dy. Conservator of Forest
Banaskantha, Palanpur

Model No - 3

Compensatory Afforestation Scheme for Dubble degraded area

Daily wages Rs.340.20

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, fertillizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casualty replacement)	1222	0	2006	2006
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	1222	4907	254	5161
(c) Seedling cost for casualty replacement in one year old (20%)	222	1551	463	2014
(d) Seedling cost for casualty replacement in two year old (10%)	111	777	231	1008
Total		7235	2954	10189
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3687	0	3687
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	10648	0	10648
Total		14335	0	14335
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	10861	10861
Total		0	10861	10861
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	13100	26004	39104
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9972	0	9972
Total		23072	26004	49076
4. Protection				
(a) Barbed wire fencing per 1 rmt. 457/- Rs.	405 rmt.	81437	122156	203593
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1217	523	1740
Total		82654	122679	205333
Total for 0 year		127296	162498	289794
1st Year				
(a) Maintenance of nursery (April to June)	1222	3763	377	4140
(b) Transport of seedling for plantation	1111	2065	427	2492
(c) Planting with khamna of Min 1 m dia	1111	6348	0	6348
(d)Transport & planting of seediling for casualty replacement	111	221	48	269
(e) 3 weeding cum soil working	1111	24742	0	24742
(f) Support watering 5 times @ 3.25		15816	22694	38510
(g) Protection / tending operation		5119	0	5119
(h) Tending to natural vegetation		1279	0	1279
(i) Contingency		0	1279	1279
Total for 1st year		59353	24825	84178

Item of work	Qty.	Labour	Material	Total
2nd Year				
(a) 2 weeding & soil working		13741	0	13741
(b) 20 % Casually replcement, transport and planting	111+111	231	1151	1382
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12836	12836
(d) Support watering 3 times @ 3.25		10278	14751	25029
(e) Protection / tending operation		5546	0	5546
Total for 2nd year		29796	28738	58534
3rd Year				
(a) 2 weeding & soil working		14798	0	14798
(b) 10 % Casually replcement, transport and planting	111	125	620	745
(b) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	13824	13824
(c) Support watering 1 times @ 3.25		3690	5295	8985
(d) Protection & maintenance of fencing / tending operation	L.S.	7465	0	7465
Total for 3rd year		26078	19739	45817
4thYear				
(a) 1 weeding & soil working		7926	0	7926
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7998	0	7998
Total for 4th year		15924	0	15924
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8531	0	8531
Total for 5th year		8531	0	8531
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9064	0	9064
Total for 6th year		9064	0	9064
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9598	0	9598
Total for 7th year		9598	0	9598
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10131	0	10131
Total for 8th year		10131	0	10131
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10664	0	10664
Total for 9th year		10664	0	10664
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11197	0	11197
Total for 10th year		11197	0	11197
SubTotal		317632	235800	553432
Total cost of supervision/subsequentalsilvicultureal operations	20%	63526	47160	110686
Grand Total		381158	282960	664118

Note :-

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

Dy. Conservator of Forests
Banaskantha, Palanpur
Model-3-111 Final @340.20

Rate Structure for Compensatory Afforestation Scheme

Model-3 1111 Pt/Ha.

Daily Wages : Rs. 340.20

Sr. No.	Rate	Hactor	0 Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	Total	20% Add	Grand Total
1	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
A	Normal Rate par 1.00 Ha.	1.00	263449	70149	45026	32726	10616	5332	5332	5332	5332	5332	5332	453958	90792	544750
B	Increased Rate par 1.00 Ha. by 10% Year	1.00	289794	84178	58534	45817	15924	8531	9064	9598	10131	10664	11197	553432	110686	664118
2	A Normal Rate	1.0000	263449	70149	45026	32726	10616	5332	5332	5332	5332	5332	5332	453958	90792	544750
B	Increased by 10% Year	1.0000	289794	84178	58534	45817	15924	8531	9064	9598	10131	10664	11197	553432	110686	664118
														Total Cost Rs.		664118

NB:(1)	For Different Years the rate shown for B has been derived from A as Follows.
0 Year-B=A +10% of A	6 Year-B=A +70% of A
1 Year-B=A +20% of A	7 Year-B=A +80% of A
2 Year-B=A +30% of A	8 Year-B=A +90% of A
3 Year-B=A +40% of A	9 Year-B=A +100% of A
4 Year-B=A +50% of A	10 Year-B=A +110% of A
5 Year-B=A +60% of A	
NB:(2)-	
In column 17 the additional 20% is towards the cost of supervision/subsequent silvicultural operations	

Dv. Conservator of Forests
Banaskantha, Palanpur

Name of works	Model No.	Area	Rate per	Amount														Total 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%			
0 Year 70 % Adv.work. 1st Year Operation.	Model-3	1.0000	289794	289794	0	0	0	0	0	0	0	0	0	0	0	0	57959	347753
1st Year 30 % Advance work Current year plantation			84178	0	84178	0	0	0	0	0	0	0	0	0	0	0	16836	101014
2nd Year operation Maintanance of one year old plantation.			58534	0	0	58534	0	0	0	0	0	0	0	0	0	0	11707	70241
3rd Year operation Maintanance of 2 years old plantation.			45817	0	0	0	45817	0	0	0	0	0	0	0	0	0	9163	54980
4th year operation Maint.of 3 years old plantation.			15924	0	0	0	0	15924	0	0	0	0	0	0	0	0	3185	19109
5th year operation Maint.of 4 years old plantation.			8531	0	0	0	0	0	0	8531	0	0	0	0	0	0	1706	10237
6th year operation Maint.of 5 years old plantation.			9064	0	0	0	0	0	0	0	9064	0	0	0	0	0	1813	10877
7th year operation Maint.of 6 years old plantation.			9598	0	0	0	0	0	0	0	0	9598	0	0	0	0	1920	11518
8th year operation Maint.of 7 years old plantation.			10131	0	0	0	0	0	0	0	0	0	10131	0	0	0	2026	12157
9th year operation Maint.of 8 years old plantation.			10664	0	0	0	0	0	0	0	0	0	0	10664	0	0	2133	12797
10th year operation Maint.of 9 years old plantation.			11197	0	0	0	0	0	0	0	0	0	0	0	11197	2239	13436	
Total			553432	289794	84178	58534	45817	15924	8531	9064	9598	10131	10664	11197	110686.4		664118	

Dy. Conservator of Forests
Banaskantha, Palanpur

CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 1.00 ha in Malana Village, Ta. Palanpur, Survey No. 452pt. in lieu Diversion of 0.30996 ha. Forest/Sanctuary Land for Proposal for grant of permission for laying Optical Fiber Cable along the routes mentioned hereunder with the guidelines issued vide additional Principal Chief Conservator of Forests, Land Gujarat State Gandhinagar Letter No. land/31/b/147-216/2016-17, Dated.06/04/2016 and same is here by approved technically.

Palanpur
Date: 26/11/2021

Dy.Conservator of Forests,
Banaskantha-Palanpur

CERTIFICATE

This is to certify that I have visited 117.51 ha. area of Malana Village of Palanpur Range degraded forest (for taking up 1.00 ha. of CA), Survey No. 452pt. Malana Village, Ta. Palanpur, Dist. Banaskantha on dt. / /2021 (Date) which has been identified for compensatory Afforestation Scheme against the Diversion of 0.30996 ha. Forest/Sanctuary Land for Proposal for grant of permission for laying Optical Fiber Cable along the routes mentioned hereunder for Forest land the side area is suitable for compensatory afforestation. It is also certified that the compensatory afforestation scheme suggested in the area is in consonance with the Site specific treatment Requirements.

Palanpur
Date: 26/11/2021

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Dy. Conservator of Forests,
Banaskantha-Palanpur

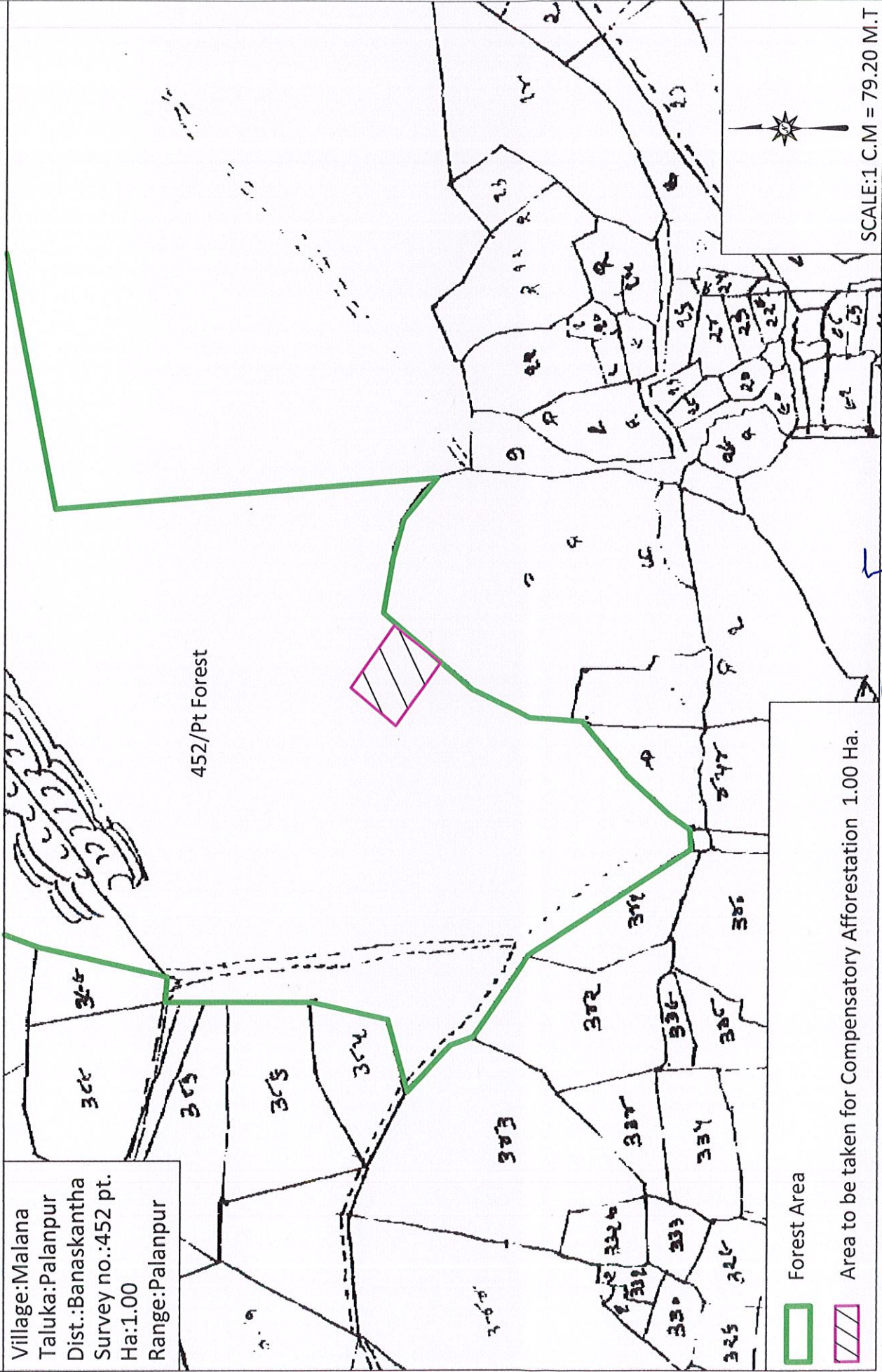
Detailed scheme of Compensatory Afforestation to be carried out in lieu of 1.00 Ha. of forest land for Diversion of 0.30996 ha. Forest/Sanctuary Land for Proposal for grant of permission for laying Optical Fiber Cable along the routes mentioned hereunder.

Sr.No.	Name of Village	Taluka	District	Survey No.	C.A. Area to be carried out for this proposal ha.
1	Malana	Palanpur	Banaskantha	452/pt	1.0000

Dy.Conservator of Forests,
Banaskantha-Palanpur

Detailed of Degraded scheme Compensatory Afforestation to be carried out in lieu of 1.00 Ha. of Forest land to Jio Digital Fibre Private Ltd. Ahmedabad Proposal For Diversion 0.30996 Ha. Forest Land of Banaskantha Forest Division, Palanpur For The Purpose of OFC Cable

Village:Malana
Taluka:Palanpur
Dist.:Banaskantha
Survey no.:452 pt.
Ha:1.00
Range:Palanpur



Detailed of Degraded scheme Compensatory Afforestation to be carried out in lieu of 1.00 Ha. of Forest land to Jio Digital Fibre Private Ltd. Ahmedabad Proposal For Diversion 0.30996 Ha. Forest Land of Banaskantha Forest Division, Palanpur For The Purpose of OFC Cable

Topo Sheet No.G43S7

Village:Malana

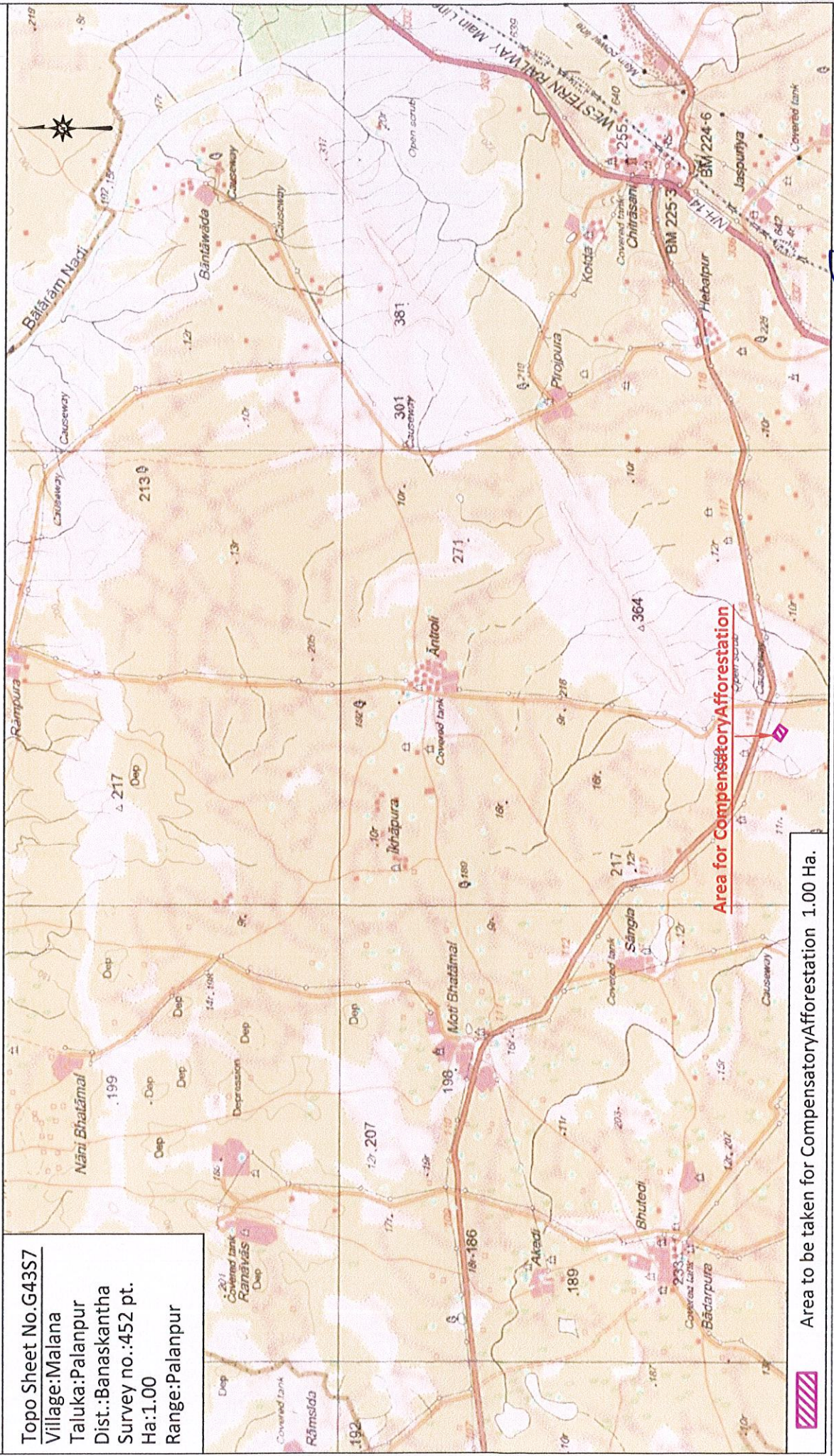
Taluka:Palanpur

Dist.:Banaskantha

Survey no.:452 pt.

Ha:1.00

Range:Palanpur



Area to be taken for Compensatory Afforestation 1.00 Ha.

Deputy Conservator of Forests
Banaskantha, Palanpur.

CERTIFICATE

This is certified that 1.00 Ha. land of S.No. 452pt. of Village Malana, Ta. Palanpur, Dist. Banaskantha proposal for Compensatory Afforestation against the Diversion of 0.30996 ha. Forest/Sanctuary Land for Proposal for grant of permission for laying Optical Fiber Cable along the routes mentioned hereunder is identified and found suitable for afforestation.

Palanpur

Date: 26/11/2021

Dy.Conservator of Forests,
Banaskantha-Palanpur