

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.

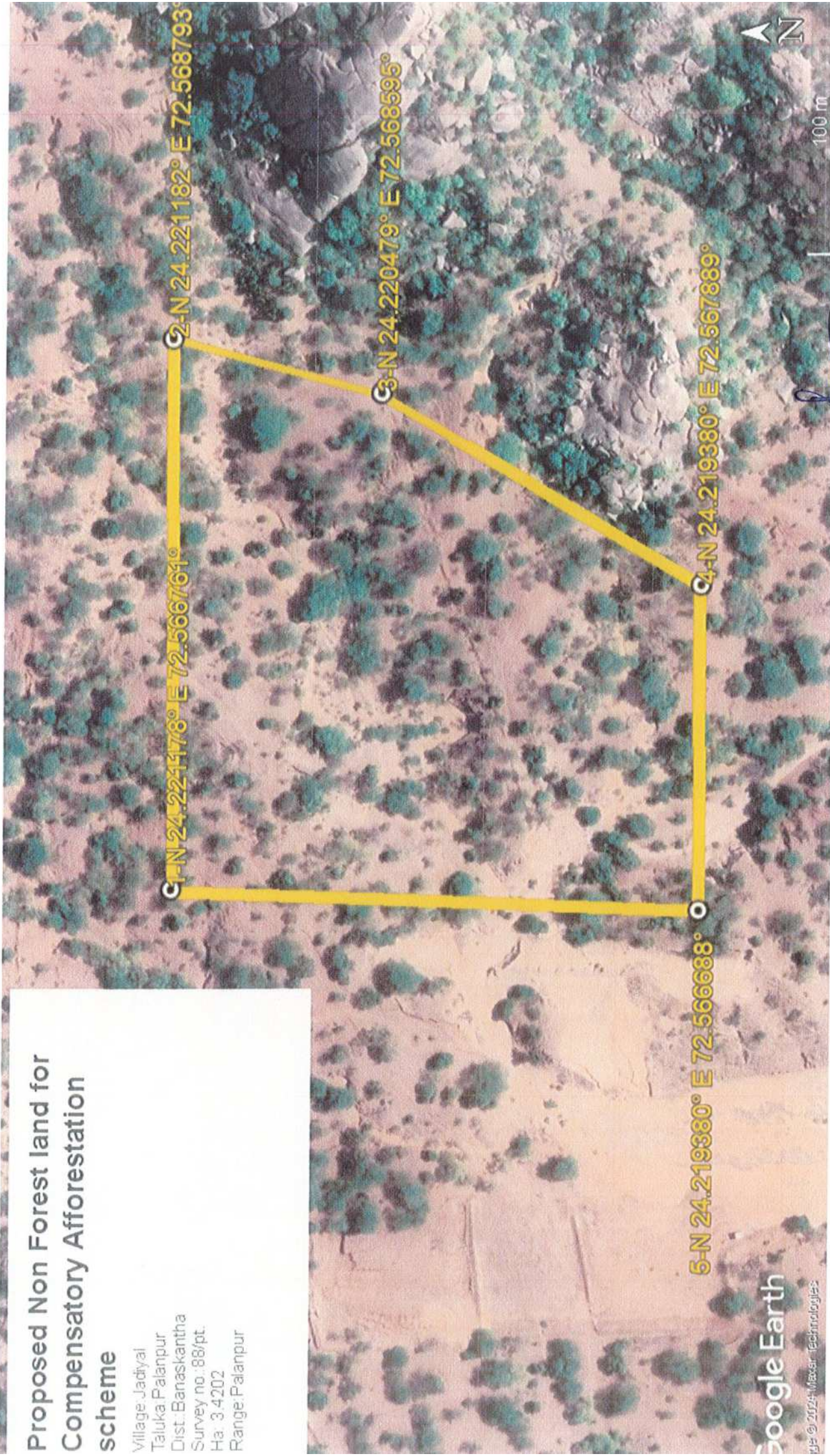
Sr.No.	Details	Description
1	Village	Jadiyal
2	Taluka	Palanpur
3	District	Banaskantha
4	Survey No/Compartment No./Khasra No.	88 pt.
5	Area To be Afforested	3.4202 Ha.
6	Name of Range	Palanpur
7	Name of Division	Banaskantha
8	G.P.S. Location With Longitude & Latitude of Proposal	Attached herewith

Palanpur
Date: 12/02/2024

(P.J. Chaudhari)
Dy. Conservator of Forests,
Banaskantha Palanpur

Proposed Non Forest land for Compensatory Afforestation scheme

Village: Jadiyal
Taluka: Palanpur
Dist.: Banaskantha
Survey no.: 88/pt.
Ha: 3.4202
Range: Palanpur



(P. J. Chaudhari)
Deputy Conservator of Forest
Banaskantha - Palanpur

Compensatory Afforestation Scheme for Propose Acquire Non Forest Land

Subject: Widening of Existing Road from Gabbar Taleti to Gabbar Circle Road Km 166/520 to 169/015 Reserved Forest of SH-54 (3.4202 ha.)

Detailed scheme of Compensatory Afforestation for Propose Acquire Non Forest Land 3.4202 ha. to be carried out in lieu of 3.4202 ha. of Forest land to be Diverted in Banaskantha Forest Division-Palanpur Banaskantha district.

1. Details of Propose Non Forest land.

Village	Jadiyal
Taluka	Palanpur
Range	Palanpur
District	Banaskantha
Division	Banaskantha
Block/ Patal, Compartment No., Survey No	88pt
Area to be afforested	3.4202 ha.
Working circle	--

2. Description of Area.

Soil type	Sandy/Murrami
Topography	Medium
Slope	Medium
Whether the area is bearing any root stock of Vegetation	Yes

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Propose Acquire Non Forest Land

4. Schedule of Plantation Programme:-

(i)	The Compensatory Afforestation on for Propose Acquire Non Forest Land 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 3.4202 ha. area. The total afforestation cost will be about Rs. 24,73,589/- Executive Engineer R & B Division, (State) Palanpur 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 Propose Acquire Non Forest Land.The prevailing wage rates 462.00 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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Total	1111																																											
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 silvicualtural 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	(i) A plantation register is to be maintained.																																										

	monitoring mechanism	(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 Propose Non forest land.


 (P.J. Chaudhari)
 Dy. Conservator of Forest
 Banaskantha, Palanpur

The Compensatory Afforestation scheme at the cost of **Rs. 24,73,589/-** is technically and administrative approved by the undersigned.


 (P.J. Chaudhari)
 Dy. Conservator of Forest
 Banaskantha, Palanpur

Model No - 3

Compensatory Afforestation Scheme for Propose Acquire Non Forest Land

Daily wages Rs.462.00

Spacemnts = 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	2725	2725
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	1222	6665	345	7010
(c) Seedling cost for casualty replacement in one year old (20%)	222	2105	629	2734
(d) Seedling cost for casualty replacement in two year old (10%)	111	1054	314	1368
Total		9824	4013	13837
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		5007	0	5007
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	14461	0	14461
Total		19468	0	19468
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	14750	14750
Total		0	14750	14750
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	17789	35313	53102
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	13541	0	13541
Total		31330	35313	66643
4. Protection				
(a) Barbed wire fencing per 1 rmt. 464/- Rs.	250 rmt.	51040	76560	127600
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1651	708	2359
Total		52691	77268	129959
Total for 0 year		113313	131344	244657
1st Year				
(a) Maintenance of nursery (April to June)	1222	5111	511	5622
(b) Transport of seedling for plantation	1111	2804	580	3384
(c) Planting with khamna of Min 1 m dia	1111	8621	0	8621
(d)Transport & planting of seediling for casualty replacement	111	300	66	366
(e) 3 weeding cum soil working	1111	33600	0	33600
(f) Support watering 5 times @ 3.25		21478	30820	52298
(g) Protection / tending operation		6952	0	6952
(h) Tending to natural vegetation		1738	0	1738
(i) Contingency		0	1738	1738
Total for 1st year		80604	33715	114319

Item of work	Qty.	Labour	Material	Total
2nd Year				
(a) 2 weeding & soil working		18662	0	18662
(b) 20 % Casually replcement, transport and planting	111+111	313	1563	1876
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	17432	17432
(d) Support watering 3 times @ 3.25		13958	20033	33991
(e) Protection / tending operation		7531	0	7531
Total for 2nd year		40464	39028	79492
3rd Year				
(a) 2 weeding & soil working		20097	0	20097
(b) 10 % Casually replcement, transport and planting	111	169	841	1010
(b) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	18773	18773
(c) Support watering 1 times @ 3.25		5012	7192	12204
(d) Protection & maintenance of fencing / tending operation	L.S.	10137	0	10137
Total for 3rd year		35415	26806	62221
4thYear				
(a) 1 weeding & soil working		10764	0	10764
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	10862	0	10862
Total for 4th year		21626	0	21626
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11586	0	11586
Total for 5th year		11586	0	11586
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	12310	0	12310
Total for 6th year		12310	0	12310
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	13034	0	13034
Total for 7th year		13034	0	13034
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	13758	0	13758
Total for 8th year		13758	0	13758
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	14482	0	14482
Total for 9th year		14482	0	14482
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	15206	0	15206
Total for 10th year		15206	0	15206
SubTotal		371798	230893	602691
Total cost of supervision/subsequent silviculture operations	20%	74360	46179	120538
Grand Total		446158	277072	723229

Note :-

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

(P.J. Chaudhari)
Dy. Conservator of Forests
Banaskantha, Palanpur

Rate Structure for Compensatory Afforestation Scheme

Model-3 1111 Pt/Ha.

Daily Wages : Rs. 462.00

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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	17	18
A	Normal Rate par 1.00 Ha.	1.00	222416	95264	61147	44444	14417	7241	7241	7241	7241	7241	7241	481134	96227	577361
B	Increased Rate par 1.00 Ha. by 10% Year	1.00	244657	114319	79492	62221	21626	11586	12310	13034	13758	14482	15206	602691	120538	723229
A	Normal Rate	3.4202	760707	325822	209135	152007	49309	24766	24766	24766	24766	24766	24766	1645576	329115	1974691
B	Increased by 10% Year	3.4202	836776	390994	271879	212808	73965	39626	42103	44579	47055	49531	52008	2061324	412265	2473589
														Total Cost Rs.		2473589

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

(P.J. Chaudhari)
Dy. 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	3.4202	244657		836776	0	0	0	0	0	0	0	0	0	0	0	167355	1004131
1st Year 30 % Advance work Current year plantation			114319		0	390994	0	0	0	0	0	0	0	0	0	0	78199	469193
2nd Year operation Maintanance of one year old plantation.			79492		0	0	271879	0	0	0	0	0	0	0	0	0	54376	326255
3rd Year operation Maintanance of 2 years old plantation.			62221		0	0	0	212808	0	0	0	0	0	0	0	0	42562	255370
4th year operation Maint.of 3 years old plantation.			21626		0	0	0	0	73965	0	0	0	0	0	0	0	14793	88758
5th year operation Maint.of 4 years old plantation.			11586		0	0	0	0	0	39626	0	0	0	0	0	0	7925	47551
6th year operation Maint.of 5 years old plantation.			12310		0	0	0	0	0	0	42103	0	0	0	0	0	8421	50524
7th year operation Maint.of 6 years old plantation.			13034		0	0	0	0	0	0	0	44579	0	0	0	0	8916	53495
8th year operation Maint.of 7 years old plantation.			13758		0	0	0	0	0	0	0	0	47055	0	0	0	9411	56466
9th year operation Maint.of 8 years o'd plantation.			14482		0	0	0	0	0	0	0	0	0	49531	0	0	9906	59437
10th year operation Maint.of 9 years old plantation.			15206		0	0	0	0	0	0	0	0	0	0	52008	10402	62410	
Total			602691		836776	390994	271879	212808	73965	39626	42103	44579	47055	49531	52008	412264.8	2473589	


 (Sd/- Chaudhari)
 Dy. Conservator of Forests
 Banaskantha, Palampur

CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 3.4202 ha in Jadiyah Village, Ta. Palanpur, Survey No. 88 pt. in lieu Widening of Existing Road from Gabbar Taleti to Gabbar Circle Road Km 166/520 to 169/015 Reserved Forest of SH-54 (3.4202 ha.) 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: 12/02/2024

(P.J. Chaudhari)
Dy.Conservator of Forests,
Banaskantha-Palanpur

Annexure-20

CERTIFICATE

This is to certify that I have visited 84.8390 ha. area of Jadiyal Village of Palanpur Range Propose Acquire Non Forest (for taking up 3.4202 ha. of CA), Survey No.88 pt. Jadiyal Village, Ta. Palanpur, Dist. Banaskantha on dt. 5/2/2024 (Date) which has been identified for compensatory Afforestation Scheme against the Widening of Exesting Road from Gabbar Taleti to Gabbar Circle Road Km 166/520 to 169/015 Reserved Forest of SH-54 (3.4202 ha.) of 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: 12/02/2024

(P.J. Chaudhari)
Dy.Conservator of Forests,
Banaskantha-Palanpur

Detailed scheme of Compensatory Afforestation to be carried out in lieu of 3.4202 Ha. of forest land for Widening of Existing Road from Gabbar Taleti to Gabbar Circle Road Km 166/520 to 169/015 Reserved Forest of SH-54 (3.4202 ha.)

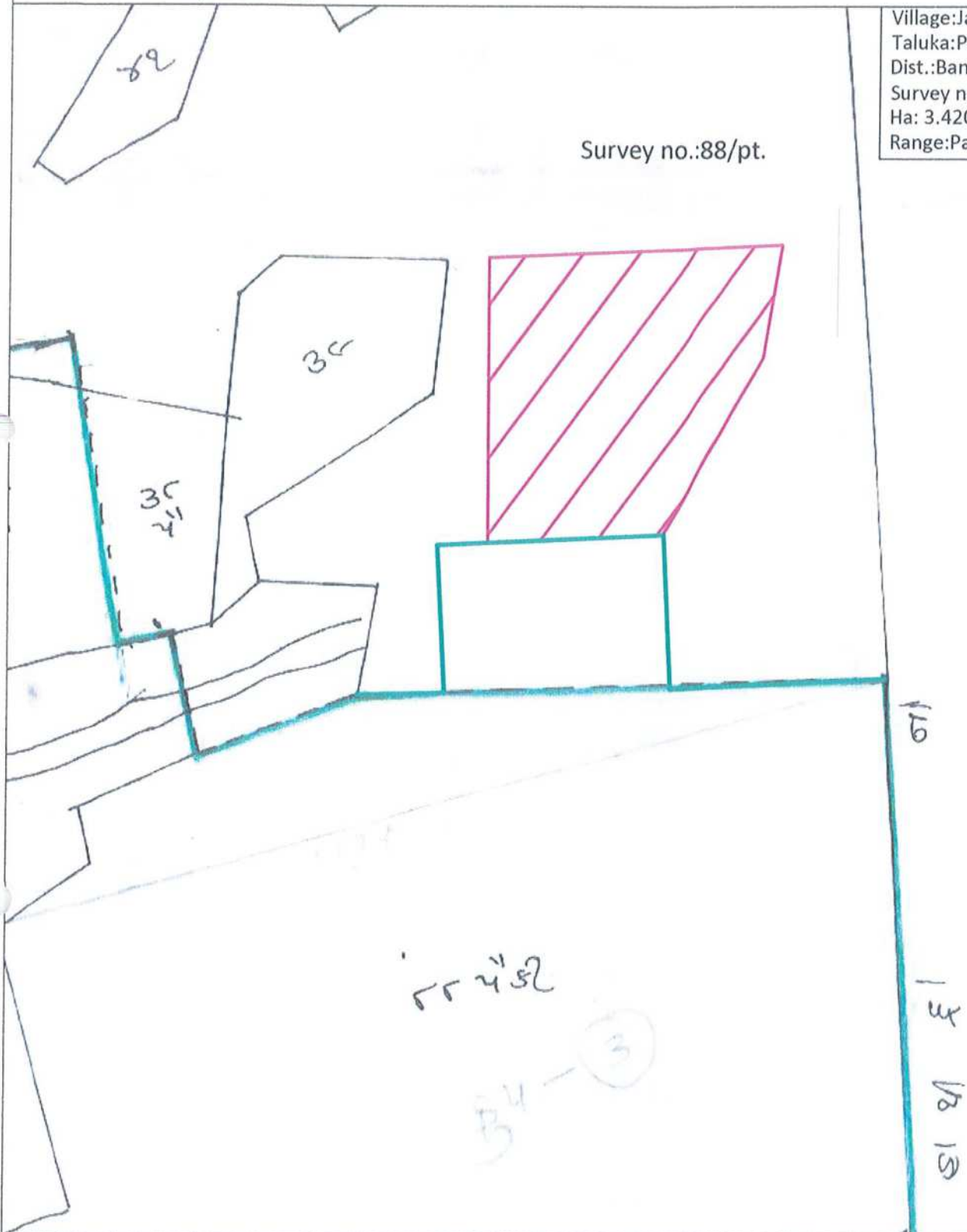
Sr.No.	Name of Village	Taluka	District	Survey No.	C.A. Area to be carried out for this proposal ha.
1	Jadiyal	Palanpur	Banaskantha	88 pt	3.4202


(P.J. Chaudhari)
Dy. Conservator of Forests,
Banaskantha-Palanpur

Detailed of Compensatory Afforestation scheme to be carried out in lieu of 3.4202 Ha. Proposed Non Forest land to Executive Engineer R&B Division(State), Palanpur. Proposal For Diversion 3.4202 Ha. Forest Land of Banaskantha Forest Division For The Purpose of Road.

Village:Jadiyal
Taluka:Palanpur
Dist.:Banaskantha
Survey no.:88/pt.
Ha: 3.4202
Range:Palanpur

Survey no.:88/pt.



 Forest Area

 Area to be taken for Compensatory Afforestation 3.4202 Ha.



SCALE:1 C.M = 39.60 M.T

(P. J. Choudhari)

Deputy Conservator of Forest
Banaskantha - Palanpur

Detailed of Compensatory Afforestation scheme to be carried out in lieu of 3.4202 Ha. Proposed Non Forest land to Executive Engineer R&B Division(State),Palanpur. Proposal For Diversion 3.4202 Ha. Forest Land of Banaskantha Forest Division For The Purpose of Road.

Topo Sheet No.

G43S12

Village:Jadival

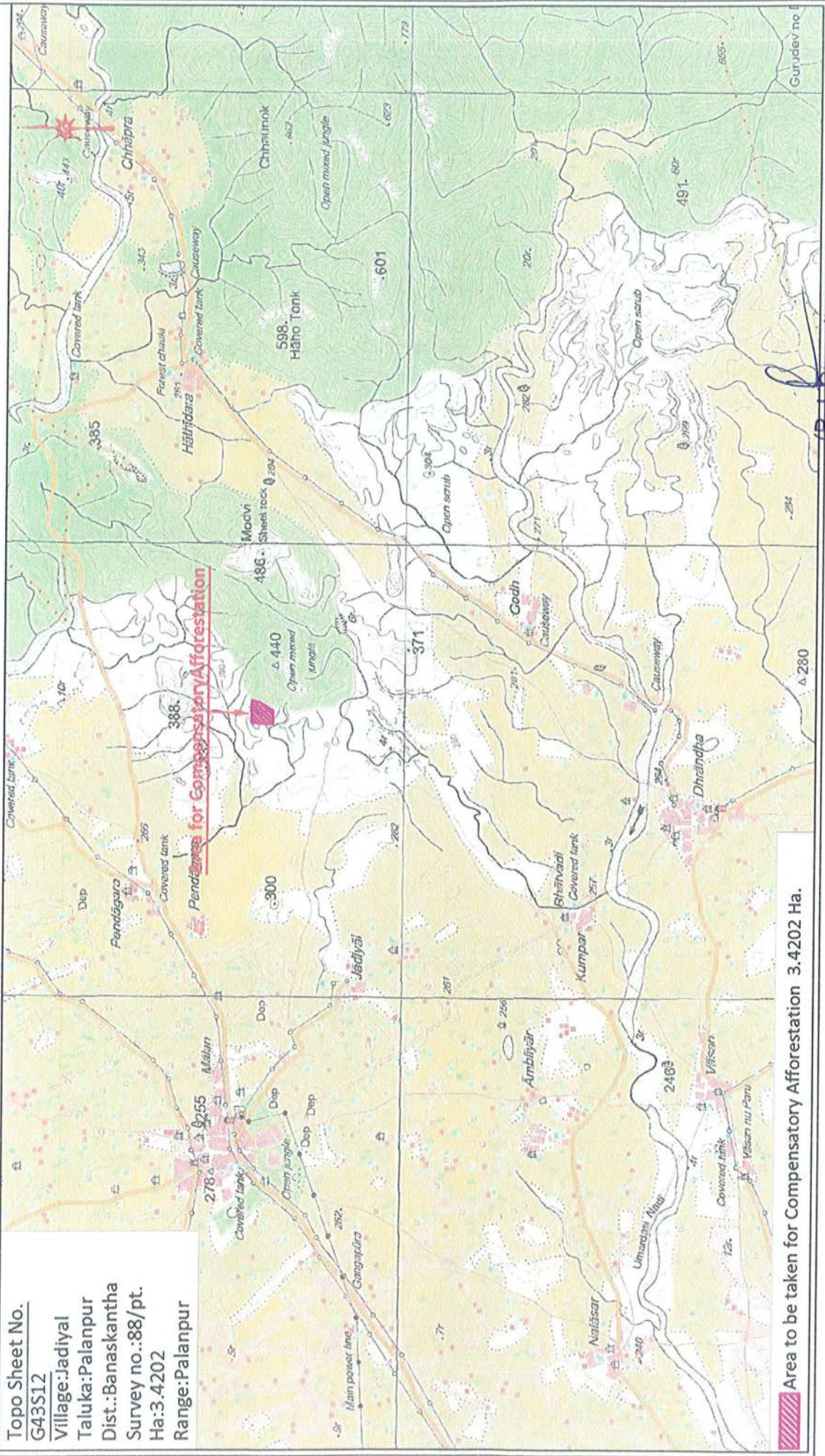
Taluka:Palanpur

Dist.:Banaskantha

Survey no.:88/pt.

Ha:3.4202

Range:Palanpur



Area to be taken for Compensatory Afforestation 3.4202 Ha.

(P. J. Chaudhari)

Deputy Conservator of Forest
Banaskantha - Palanpur

CERTIFICATE

This is certified that 3.4202 Ha. land of S.No. 88 pt. of Village Jadiyah, Ta. Palanpur, Dist. Banaskantha proposal for Compensatory Afforestation against the Widening of Existing Road from Gabbar Taleti to Gabbar Circle Road Km 166/520 to 169/015 Reserved Forest of SH-54 (3.4202 ha.) is identified and found suitable for afforestation.

Palanpur

Date: 12/02/2024

(P.J. Chaudhari)

Dy.Conservator of Forests,
Banaskantha-Palanpur