

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 | Mahuda |
| 2 | Taluka | Danta |
| 3 | District | Banaskantha |
| 4 | Survey No/Compartment No./Khasra No. | 57 pt. |
| 5 | Area To be Afforested | 2.50 Ha. |
| 6 | Name of Range | Ambaji-south |
| 7 | Name of Division | Banaskantha |
| 8 | G.P.S. Location With Longitude & Latitude of Proposal | Attached herewith |

Place : Palanpur

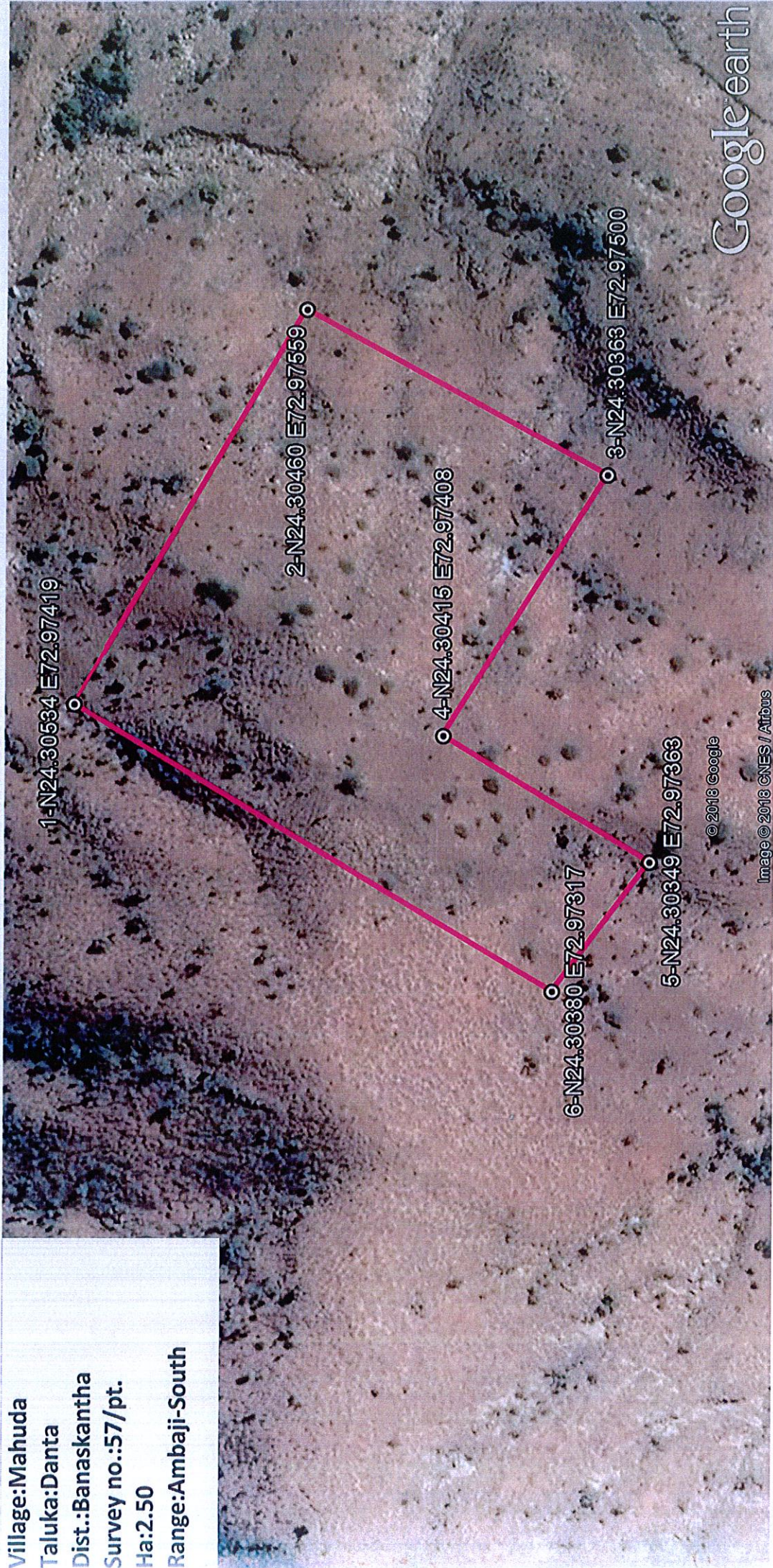
Date : 17 /12/2018



(Dr. G. S. Singh, IFS)

Dy. Conservator of Forests,
Banaskantha Palanpur

Village: Mahuda
Taluka: Danta
Dist.: Banaskantha
Survey no.: 57/pt.
Ha: 2.50
Range: Ambaji-South



Scheme of Compensatory Afforestation

Detailed of Degraded scheme Compensatory Afforestation to be carried out in lieu of 2.50 Ha. of Forest land to Diversion of 1.1165 ha. Proposal for laying of under Optical Fiber Cable along route (Chitrasani to Ambaji) for Reliance Jio Infocomm Limited, Ahmedabad of Forest Land for the purpose of Optical Fiber Cable.

(1) Details of Degraded forest land. :- Village: Mahuda
District: Banaskantha. Taluka: Danta
Name of Forest Division: Banaskantha. Range: Ambaji-South
Block/Compartment./Survey No.: 57/pt
Area to be Afforested : 2.50 Ha

(2) Description of Area:
Soil type: Hard Murram
Topography: medium
Hilly/Plain/Slope-Steep/medium/gentle.

Whether the area is bearing any root stock or Vegetation : 10 % Root Stock

(3) Name of Plantation Programme: Model No.2 833+25=858 Pits/ha.

(4) Schedule of Plantation programme:

The Compensatory Afforestation on Degraded forest land would be started by Dy.Conservator of Forest Banaskantha Division Palanpur as early as possible after the proposal is formally approved.

Details of Yearwise break-up of requirement of fund is as under:

(Daily wage: Rs.304.20)

| Year | Area | Rate per Ha. | Total Amount. |
|-------------------------|--------|--------------|---------------|
| 0 Year | 2.5000 | 112444 | 281110 |
| 1 Year | 2.5000 | 38908 | 97270 |
| 2nd Year | 2.5000 | 25133 | 62833 |
| 3rd Year | 2.5000 | 19099 | 47748 |
| 4th Year | 2.5000 | 7533 | 18833 |
| 5th year | 2.5000 | 4768 | 11920 |
| 6th year | 2.5000 | 4768 | 11920 |
| 7th year | 2.5000 | 4768 | 11920 |
| 8th year | 2.5000 | 4768 | 11920 |
| 9th year | 2.5000 | 4768 | 11920 |
| 10th year | 2.5000 | 4768 | 11920 |
| Total | | 231725 | 579313 |
| Supervision Charge 20 % | | 45340 | 115863 |
| Grand Total | | 277065 | 695175 |

The user agency has given 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 :

- | | |
|---|--|
| (a) General Details: | Size of Pit: 45x45x45 cmt (833+25 Pits/ha.) Protection wall & trench contour trench, Gully Plugging, Nala bunding etc SMC work. |
| (b) Spacement | 4 x 3 mt Alignment & Staking. |
| (c) Species | Small timber, Fuelwood & MFP Species such as Ficus benghalensis, Ficus religiosa, Tamarindus indica, Ficus glomerata, Cordia dichotoma and Azadirachta indica etc. |
| (d) Nursery Technique | 60 cms Tall Plants raised in poly pots of size 15 cm x 25 cm x 200 g. To be Planted in the 30 cms 3 pits on onset of the monsoon. |
| (e) Site Preparation. | Existing malformed tree growth and illegitimate cut stools will be cut back in the month of February / March. Pits of 0.45 cms x 0.45 cms x 0.45 cms will be dug. As per the site gully plugging Nala Bunding contour trenches. Construction of Van talavadi. Small Check dams to be done for Soil Conservation and Water Harvesting measures. |
| (f) Plantation Method (Size of Pit, Ploughing etc.) | BHC 50% Powder of Aldrin 30 EC is to be used for antitermite treatment and NPK fertilized @ 10 gram pits is applied as a base before planting. 9 months old seedlings raised in 15 cm x 25 cm x 200 g. of polypot will be Planted with onset of rains. |
| (g) SMC Work | Gully plugging- Nala bunding (20-30 cmt) vantalavadi, Check Dams-1 Contour trench -500 RMT Etc. |
| (h) Protection. | Peripheral trench 120 cm x 60 cm top will be created around the plantation and three rows of Prosopis and Pongamia seeds along with bulbul, or jatropa or Ipomea cuttings will be planted on the dug up soil for convenience of work. Pot size would be 25 ha or over |
| (i) Silvicultural operations | Fence repair Cleaning pruning and upkeep of planted and naturally regenerated saplings will be done through casual labour till the end of 4th year |
| (j) Maintenance | Repair & Maintenance of fence & Protection |

(k) Subsequent silviculture
Operations Proposed such as
Cleaning, cutbacks, thinning
etc

As per specific requirement

(l) Proposed, Monitoring,
Mechanism

Monitoring done by Block wise Area.

Note: This project has been prepared keeping the current daily wage rate into consideration. The maintenance of plantation upto 10th year is subject to budget provision as per prevailing wage rate from time to time



(Dr. G. S. Singh, IFS)
Dy. Conservator of Forests
Banaskantha-Palanpur

Compensatory Afforestation Scheme for double degradation areas & NPV Plantations

Daily wages Rs.304.20


| Spacemnts = 4 m x 3 m | | | | |
|--|------------|--------------|--------------|---------------|
| 833+25=858 seedling / Ha | | | | |
| 1st year replacement 10 % = 86 seedling /ha | | | | |
| 2nd year replacement 20 % = 86+86 seedling /ha | | | | |
| 3rd year replacement 10 % = 86 seedling /ha | | | | |
| Total Seedlings = 1202 seedling /ha | | | | |
| Polypot size : 20 cm x 30 cm x 250 g for 25 Deshi Mango seedlings and for other seedlings 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. Shade, etc. (including 10 % for casualty replacement) | 944 | 0 | 1260 | 1260 |
| (b) labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc. | 944 | 3083 | 177 | 3260 |
| (c) Seedling cost for casualty replacement in one year old (20%) | 172 | 977 | 291 | 1268 |
| (d) Seedling cost for casualty replacement in two year old (10%) | 86 | 490 | 145 | 635 |
| Total | | 4550 | 1873 | 6423 |
| 2. Area Development (Land Preparation) | | | | |
| (a) Survey, cutback and promotion of root suckers | | 2997 | 38 | 3035 |
| (b) Aligment and digging of pits 0.45 X 0.45 X 0.45 | 833 @ 6.00 | 6489 | 0 | 6489 |
| (c) Aligment and digging of pits 1 m X 1 m X 1 m | 25 @ 63.00 | 2503 | 0 | 2503 |
| Total | | 11989 | 38 | 12027 |
| (a) Natural fertilizer (Neem cake/ Castor cake) | 858 @ 5.00 | 0 | 5165 | 5165 |
| Total | | 0 | 5165 | 5165 |
| 3. SMC Works | | | | |
| (a) Check wall/ retaining wall /checkdem (all pucca only) | L.S. | 12238 | 24317 | 36555 |
| (b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench) | 600 rmt. | 16354 | 0 | 16354 |
| Total | | 28592 | 24317 | 52909 |
| 4. Protection | | | | |
| (a) Barbed wire fencing | L.S. | 3179 | 31787 | 34966 |
| (b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence | | 636 | 318 | 954 |
| Total | | 3815 | 32105 | 35920 |
| Sub Total of 0 year | | 48946 | 63498 | 112444 |
| 1st Year | | | | |
| (a) Maintenance of nursery (April to June) | 715 | 1491 | 149 | 1640 |
| (b) Transport of seedling for plantation | 650 | 901 | 186 | 1087 |
| (c) Planting with khamna of Min 1 m dia | 650 | 2767 | 0 | 2767 |
| (d) Transport of seedling for casualty replacement | 65 | 96 | 21 | 117 |
| (e) 3 weeding cum soil working | 650 | 10786 | 0 | 10786 |
| (f) Support watering 5 times @ 3.25 | | 6402 | 10386 | 16788 |
| (g) Protection / tending operation | | 3815 | 0 | 3815 |
| (h) Tending to natural vegetation | | 954 | 0 | 954 |
| (i) Contingency | | 0 | 954 | 954 |
| Total for 1st year | | 27212 | 11696 | 38908 |

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| Item of work | Qty. | Labour | Material | Total |
|---|-------------|---------------|--------------|---------------|
| 2nd Year | | | | |
| (a) 2 weeding & soil working | | 5529 | 0 | 5529 |
| (b) 20 % Casually replcement, transport and planting | 65+65 | 95 | 458 | 553 |
| (c) Natural fertilizer (neem cake / caster cake) etc. | Rs.5/ plant | 0 | 5165 | 5165 |
| (d) Support watering 3 times @ 3.25 | | 4102 | 5970 | 10072 |
| (e) Protection / tending operation | | 3815 | 0 | 3815 |
| Total for 2nd year | | 13541 | 11593 | 25134 |
| 3rd Year | | | | |
| (a) 2 weeding & soil working | | 5529 | 0 | 5529 |
| (b) 10 % Casually replcement, transport and planting | 65 | 48 | 229 | 277 |
| (c) Natural fertilizer, neem cake etc. | Rs.5/ plant | 0 | 5165 | 5165 |
| (d) Support watering 1 times @ 3.25 | | 1380 | 1979 | 3359 |
| (e) Protection & maintenance of fencing / tending operation | L.S. | 4768 | 0 | 4768 |
| Total for 3rd year | | 11725 | 7373 | 19098 |
| 4thYear | | | | |
| (a) 1 weeding & soil working | | 2765 | 0 | 2765 |
| (b) Protection & Maintenance of fencing/ Tending operation | L.S. | 4768 | 0 | 4768 |
| Total for 4th year | | 7533 | 0 | 7533 |
| 5thYear | | | | |
| Protection & maintenance of fencing/ tending operation | L.S. | 4768 | 0 | 4768 |
| Total for 5th year | | 4768 | 0 | 4768 |
| 6thYear | | | | |
| Protection & maintenance of fencing/ tending operation | L.S. | 4768 | 0 | 4768 |
| Total for 6th year | | 4768 | 0 | 4768 |
| 7thYear | | | | |
| Protection & maintenance of fencing/ tending operation | L.S. | 4768 | 0 | 4768 |
| Total for 7th year | | 4768 | 0 | 4768 |
| 8thYear | | | | |
| Protection & maintenance of fencing/ tending operation | L.S. | 4768 | 0 | 4768 |
| Total for 8th year | | 4768 | 0 | 4768 |
| 9thYear | | | | |
| Protection & maintenance of fencing/ tending operation | L.S. | 4768 | 0 | 4768 |
| Total for 9th year | | 4768 | 0 | 4768 |
| 10thYear | | | | |
| Protection & maintenance of fencing/ tending operation | L.S. | 4768 | 0 | 4768 |
| Total for 10th year | | 4768 | 0 | 4768 |
| G.Total | | 137565 | 94160 | 231725 |

Note :-

- (1) Seed sowing along fencing towards the inner side, and also in the plot.
- (2) Planting of cutting of ipomea//Glarcidia along the fencing towards outer side.
- (3) Planting of 25 seedling of Deshi Mango in a pit size of 1 m x 1 m x 1 m along the boundary of the plot.


 (Dr. G. S. Singh, IFS)
 Dy. Conservator of Forests
 Banaskantha-Palanpur

CERTIFICATE

This is to certify that the compensatory afforestation scheme attached herewith for 2.50 ha in Mahuda Village, Ta. Danta, Survey No. 57pt. in lieu 1.1165 ha. diversion of Forest land Proposal for laying of under Optical Fiber Cable along route (Chitrasani to Ambaji) for Reliance Jio Infocomm Limited, Ahmedabad 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: 17/12/2018




(Dr. G. S. Singh, IFS)
Dy. Conservator of Forests,
Banaskantha-Palanpur

*Annexure-20***CERTIFICATE**

This is to certify that I have visited 141.6408 ha. area of Mahuda Village of Ambaji-South Range degraded forest (for taking up 2.50 ha. of CA), Survey No.57pt. Mahuda Village, Ta. Danta, Dist. Banaskantha on dt. 20/7/2018 (Date) which has been identified for compensatory Afforestation Scheme against the Diversion 1.1165 ha. Proposal for laying of under Optical Fiber Cable along route (Chitrasani to Ambaji) for Reliance Jio Infocomm Limited, Ahmedabad 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.

Place : Palanpur
Date: 17/12/2018


(Dr. G. S. Singh, IFS)
Dy. Conservator of Forests,
Banaskantha-Palanpur

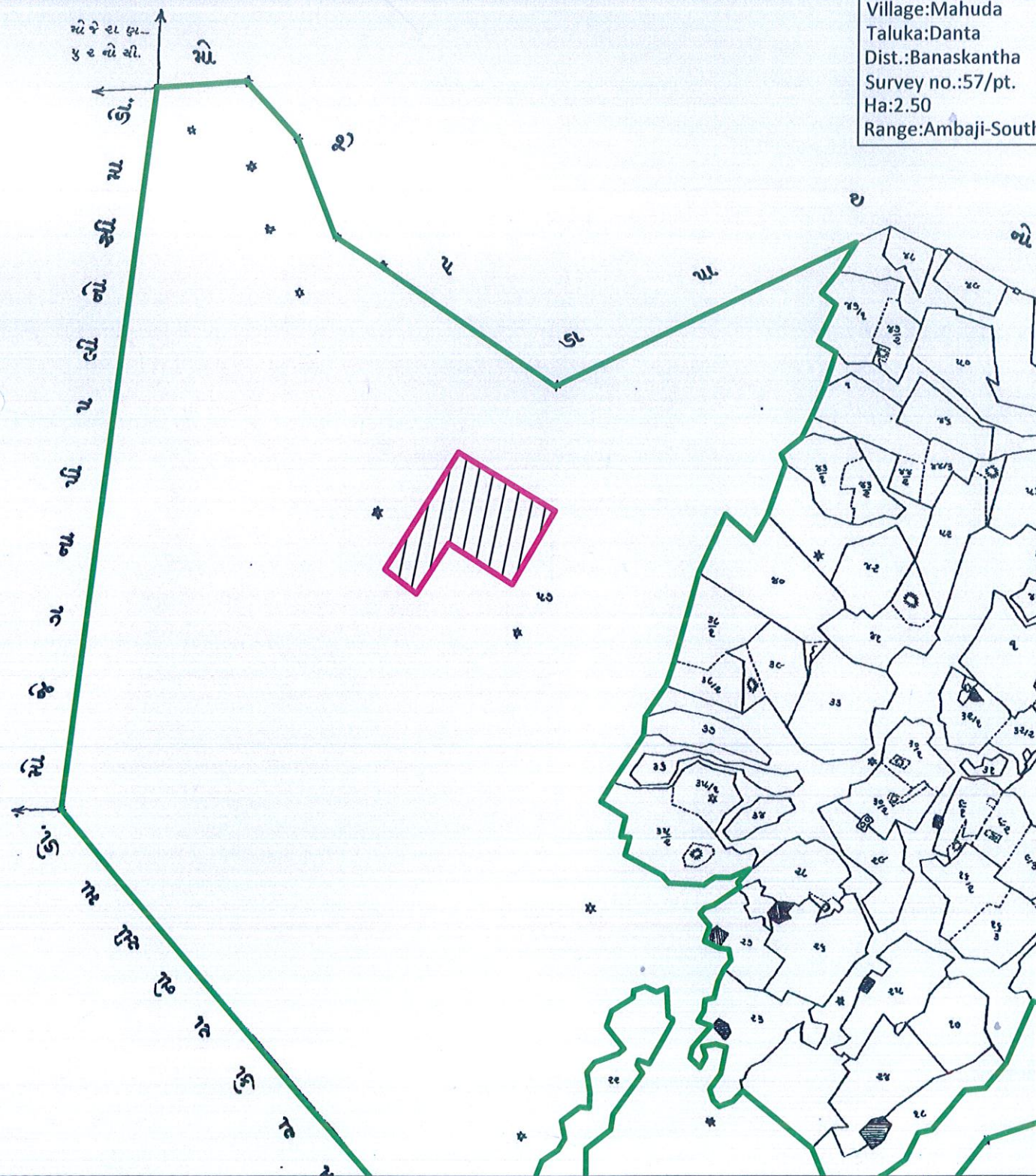
Detailed of Degraded scheme Compensatory Afforestation to be carried out in lieu of 2.50 Ha. of Forest land to Diversion of 1.1165 ha. Proposal for laying of under Optical Fiber Cable along route (Chitrasani to Ambaji) for Reliance Jio Infocomm Limited, Ahmedabad of Forest Land for the purpose of Optical Fiber Cable.

| Sr.No. | Name of Village | Taluka | District | Survey No. | C.A. Area to be carried out for this proposal ha. |
|--------|-----------------|--------|-------------|------------|---|
| 1 | Mahuda | Danta | Banaskantha | 57/pt | 2.5000 |


 (Dr. G. S. Singh, IFS)
 Dy. Conservator of Forests,
 Banaskantha-Palanpur

Detailed of Degraded scheme Compensatory Afforestation to be carried out in lieu of 2.50 Ha. of Forest land to Reliance jio Infocomm Limited,Ahmedabad.Proposal For Diversion 1.1165 Ha. Forest Land For The Purpose of Optical fiber cable.

Village:Mahuda
Taluka:Danta
Dist.:Banaskantha
Survey no.:57/pt.
Ha:2.50
Range:Ambaji-South



Forest Area



Area to be taken for Compensatory Afforestation 2.50 Ha.

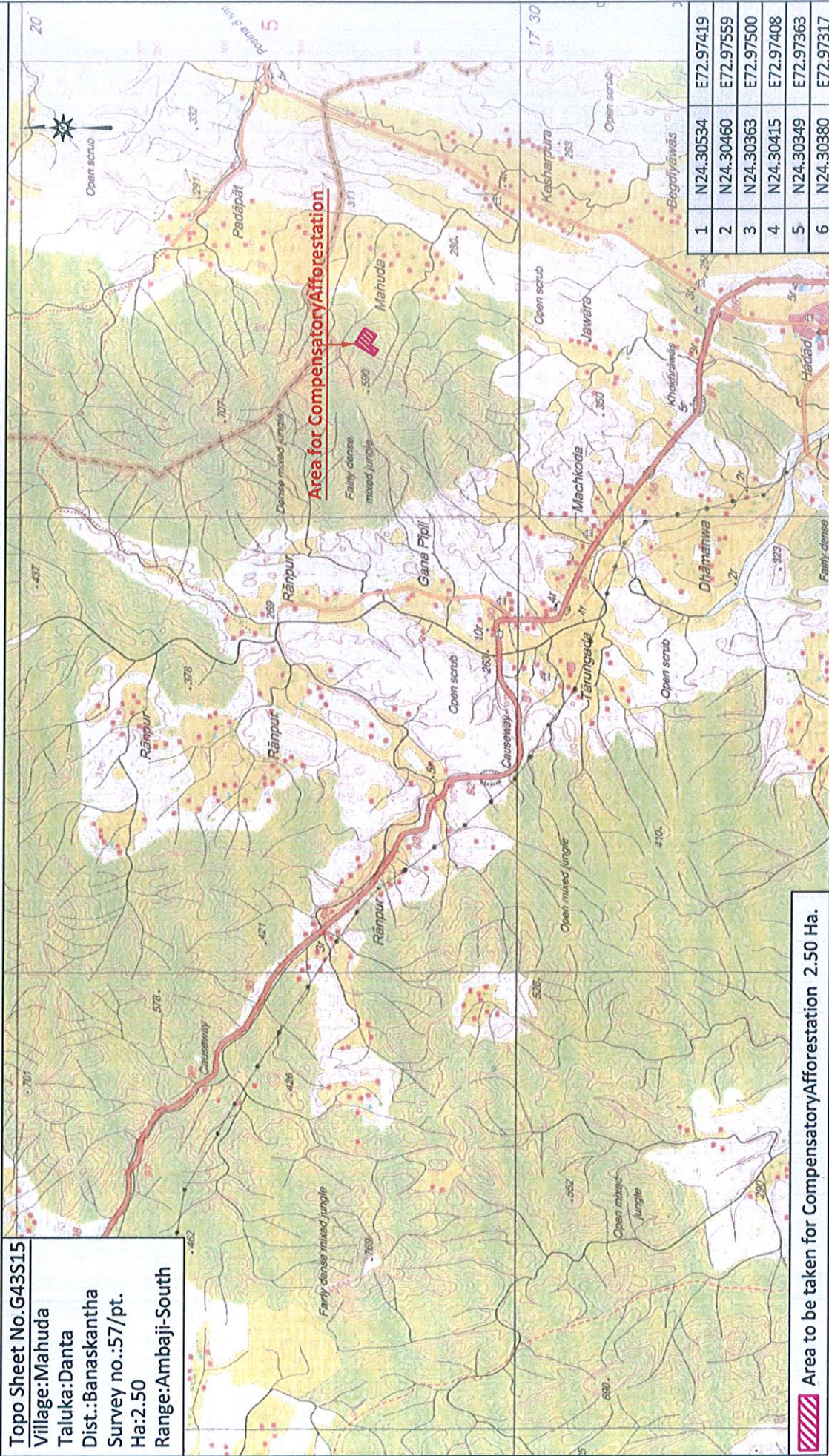


SCALE:1 C.M = 79.20 M.T

Deputy Conservator of Forests
Banaskantha, Palanpur.

Detailed of Degraded scheme Compensatory Afforestation to be carried out in lieu of 2.50 Ha. of Forest land to Reliance jio Infocomm Limited,Ahmedabad.Proposal For Diversion 1.1165 Ha. Forest Land For The Purpose of Optical fiber cable.

Topo Sheet No.G43S15
Village:Mahuda
Taluka:Danta
Dist.:Banaskantha
Survey no.:57/pt.
Ha:2.50
Range:Ambaji-South



 Area to be taken for Compensatory Afforestation 2.50 Ha.

| | | |
|---|-----------|-----------|
| 1 | N24.30534 | E72.97419 |
| 2 | N24.30460 | E72.97559 |
| 3 | N24.30363 | E72.97500 |
| 4 | N24.30415 | E72.97408 |
| 5 | N24.30349 | E72.97363 |
| 6 | N24.30380 | E72.97317 |

Annexure-21**CERTIFICATE**

This is certified that 2.50 Ha. land of S.No. 57pt. of Village Mahuda, Ta. Danta, Dist. Banaskantha proposal for Compensatory Afforestation against the Diversion of 1.1165 ha, Proposal for laying of under Optical Fiber Cable along route (Chitrasani to Ambaji) for Reliance Jio Infocomm Limited, Ahmedabad in the state of Gujarat is identified and found suitable for afforestation.

Place : Palanpur
Date: 17/12/2018


(Dr. G. S. Singh, IFS)
Dy. Conservator of Forests,
Banaskantha-Palanpur