



**GOVERNMENT OF JAMMU AND KASHMIR**  
**OFFICE OF THE CHIEF CONSERVATOR OF FORESTS, JAMMU**

(Forest Complex, Exchange Road, Dogra Hall) Ph. 0191 -- 2547748, 2545400 Fax: 2562929, Email:ccfjammu1@gmail.com

Sub: Work programme of Compensatory Afforestation w.r.t Forest Clearance for "Upgradation of road T01 Supply Morh to Kainthgali".

Ref: CF East's No: 719-20/CFE/FCA Dated 26.12.2020.

**ORDER**

The work proposal for Compensatory Afforestation to be done in lieu of diversion of **2.2585** hectare of forest land in Udhampur Forest Division for "Upgradation of road T01 Supply Morh to Kainthgali" by **PWD** J&K to the tune of **Rs 7,00,258/-**, prepared and submitted by the Divisional Forest Officer, Udhampur Forest Division, duly recommended CF East Circle, Jammu, is hereby approved / sanctioned, as per the details given below: -

Proposal No	Location	Area involved for diversion	Area of C.A Plan	Canopy Density	Spp. To be planted.
FP/JK/ROAD/ 45448/2020	50/U	2.2585 Hectare	4.517 Hectare	<40%	Indigenous species.

The approval / sanction is subject to the following conditions: -

- 1) All the terms and conditions as per the provisions of Forest Conservation Act 1980 w.r.t Compensatory Afforestation are complied with.
- 2) That the existing Forest Tariff Rate schedule shall be applicable.
- 3) That the DFO Udhampur Division shall be the implementing agency for executing the CA Plan.

(K. Ramesh Kumar), IFS  
Chief Conservator of Forests  
Jammu

No: CCFJ/PIg/20-21/42/1221-24

Dated: 6-1-2021

Copy to: -

1. Pr Chief Conservator of Forests (HoFF), J&K, Jammu for favour of information.
2. APCCF / Nodal Officer, FCA, O/o the PCCF J&K for favour of information.
3. CF East Circle, Jammu.
4. DFO Udhampur Forest Division for information and necessary action.

**CHECKLIST**  
**“SCHEME FOR COMPESATORY AFFORTATION”**

Detailed scheme for compensatory Afforestation to be carried out in lieu of diversion of Forest Land in Udhampur Forest Division-Udhampur to be constructed by Executive Engineer, PMGSY Division Udhampur,. Afforestation will be done over (2.2585=4.517 hectare) i.e. two times the forest land area to be diverted.

**1. Details of degraded forest land/non forest land:**

Village	Pangara, Bhatti, Krimachi, Manser
Range	Udhampur
Block	Bhatti Mali
Beat	Pangara, Bhatti, Mali
Compartment	50/U
Working Plan Circle	50/U -Rehabilitation cum Reboisment Working Circle
Working Plan Prescription	The reboisment and rehabilitation of degraded forest areas along with necessary soil moisture conservation measures, will be carried out along with afforestation work. The working circle has been constituted with the objective of creating multiple product zones so that these forests act as a buffer to the well stocked core forests. These forests will be managed to meet the fuel, fodder and Non timber forest produce (NTFP) requirement of the people.
Forest Type	Open Forest
Name of Protected Forest	-
Proposed area of CA Patch	4.517 Ha

**CANOPY DENSITY LESS THAN 40%**

- (i) Whether the site selected for Compensatory Afforestation is a land bank or not:  
**No, the selected site is not a land bank.**
- (ii) If the CA site is other than the land bank, reason is given. :  
**Yes.**
- (iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary?  
**N.A. as the selected site is a forest area.**
- (iv) Soil type: **Sandy Loam**
- (v) Topography: (a) Hilly/Undulating/Plain : **Hilly-Undulating**  
(b) Slope: - Steep/Medium/Gentle: - **: Medium**
- (vi) Whether the area is bearing any root stock of vegetation:  
**Yes scattered trees of Chir and other Broad Leaved species are present on the site.**

**2. Plantation Model**

Compensatory afforestation over an area of 4.517 Ha. of degraded forest land is proposed to be raised. The area selected for this purpose is Co. 50/U Beat Pangara , which is a degraded forest area has been proposed. Presently the area supports scattered chir (Pinus roxburgii) trees. Whole of the plantation of 4.517 Ha will be raised in a single block. The area identified for plantation has also been shown on the attached map. The species to be planted will be mainly broad leaved and conifers. The plantation will be raised in the following year after the approval of FCA proposal and further maintenance and beating up of failures will be done for the subsequent seven years. The scheme will be implemented by Forest Department through DFO Udhampur. The cost structure of the scheme is attached. The scheme has been formulated by taking into consideration the present wage rate of Rs. 330/- and 10% cost escalation after Five years has been provided. Total financial outlay for compensatory plantation scheme is Rs 7.5 lacs Certificate of DFO Udhampur regarding suitability of area identified for compensatory

  
**B. S. Anand**  
**Forest Range Officer**  
**Udhampur Forest Range**  
**Udhampur**

plantation is also attached. The area selected for compensatory plantation will be approachable from State Highway Road from Udhampur to Panchari. The monitoring will be done as per existing monitoring mechanism in the Forest Department at present and also as per G.O.I instructions.

Abstract of Proposed work:

Fencing (2200 Rft @ Rs.100.00)	220000.00
Raising and maintenance of Plants 6525 plants @ 8.03/- & 2.66/- respectively.	52396.00 17356.00
Plantation (6525 @ Rs.29.34)	191442.00
Repair of fencing 2100 rft. @Rs.16.74/Rft	35154.00
DRSM 90 Cum @1099/ Cum	98910.00
Crate Work 50 Cum @ 1700/ Cum	85000.00
<b>Project Cost</b>	<b>700258.00</b>

**DETAILED PROPOSAL FOR COMPENSATORY AFFORESTATION IN CO.50/U**

Year	Item	Detail of Work	Amount (Rs.)
1 <sup>st</sup> Year	Fencing Work/ Nursery Raising	<ul style="list-style-type: none"> <li>Site Preparation and fencing – using 220 nos. of Square fence conforming to produce code PCFP-3 at spacing of 10' and 5x2 strands of black annealed Barbed Wire conforming to the product code BA-BW. At least every 8<sup>th</sup> fence along the straight line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1' (2200 rft).</li> <li>Raising of Nursery (4500 Plants @Rs.8.03)</li> </ul>	220000.00 36135.00
2 <sup>nd</sup> Year	Nursery Raising & Maintt/ S.C Works	<ul style="list-style-type: none"> <li>Soil conservation works DRSM 90 Cum Crate work 50 Cum</li> <li>Maintt. of 4500 Bagged Plants @ Rs.2.66/-</li> <li>Raising of 1125 Bagged Plants for BUC (25%) @ Rs. 8.03/-</li> </ul>	98910.00 85000.00 11970.00 9034.00
3 <sup>rd</sup> Year	Plantation/ Nursery Raising & Maintt.	<ul style="list-style-type: none"> <li>Plantation of 4500 Nos. of Polybagged Plants @ Rs. 29.34/-</li> <li>Maintt. of 1125 Raised Bagged Plants @ Rs. 2.66/-.</li> <li>Raising of 675 Bagged Plants for BUC (15%) @ Rs. 8.03/-</li> </ul>	132030.00 2993.00 5420.00
4 <sup>th</sup> Year	Plantation & Nursery Raising/ Maintt.	<ul style="list-style-type: none"> <li>Plantation of 1125 Nos. of Polybagged Plants @ Rs. 29.34/-</li> <li>Maintt. of 675 Raised Bagged Plants @ Rs. 2.66/-.</li> <li>Raising of 225 Bagged Plants for BUC (5%) @ Rs. 8.03/-</li> </ul>	33007.00 1795.00 1807.00
5 <sup>th</sup> Year	Maintenance Work	<ul style="list-style-type: none"> <li>Plantation of 675 Nos. of Polybagged Plants @ Rs. 29.34/-</li> <li>Repairing of fencing 1000 Rft. @Rs.16.74/Rft.</li> <li>Maintt. of 225 Raised Bagged Plants @ Rs. 2.66/-.</li> </ul>	19804.00 16740.00 598.00
6 <sup>th</sup> Year	Maintenance Work	<ul style="list-style-type: none"> <li>Plantation of 225 Nos. of Polybagged Plants @ Rs. 29.34/-</li> </ul>	6601.00
10 <sup>th</sup> Year	Maintenance Work	<ul style="list-style-type: none"> <li>Repairing of fencing 1100 Rft. @Rs.16.74/Rft.</li> </ul>	18414.00
<b>G. Total (to be paid by the User Agency for Compensatory Afforestation on 4.517 Hectare of degraded forest land) :</b>			<b>700258.00</b> <b>Say 7.00 lacs</b>

  
 Forest Range Officer  
 Udhampur Forest Range  
 Udhampur

**6). Technical details:**

Technical details of Compensatory Afforestation Scheme are as follows:

- (a) **General Details:** An area of 4.517 ha will be taken up for planting under compensatory afforestation scheme. The area will be protected by Barbed wire fencing and conifer and broad leaved species will be planted.
- (b) **Plantation Method:** Nursery grown one year old plants of mixed species of broad leaved and Conifer in Polythene bags will be planted in 45×45×45 cm pits in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beating up failures will be done. The plantation will be rain faded.
- (c) **Soil and Moisture Conservation Works:** - Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging check walls will be done where ever required.
- (d) **Protection (Fencing, Watch man, People's Participation etc.):**- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable place around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.
- (e) **Proposed Monitoring Mechanism:** - The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GoI representatives as per instructions. The plantation site will be on state Highway road Udhampur to Panchari

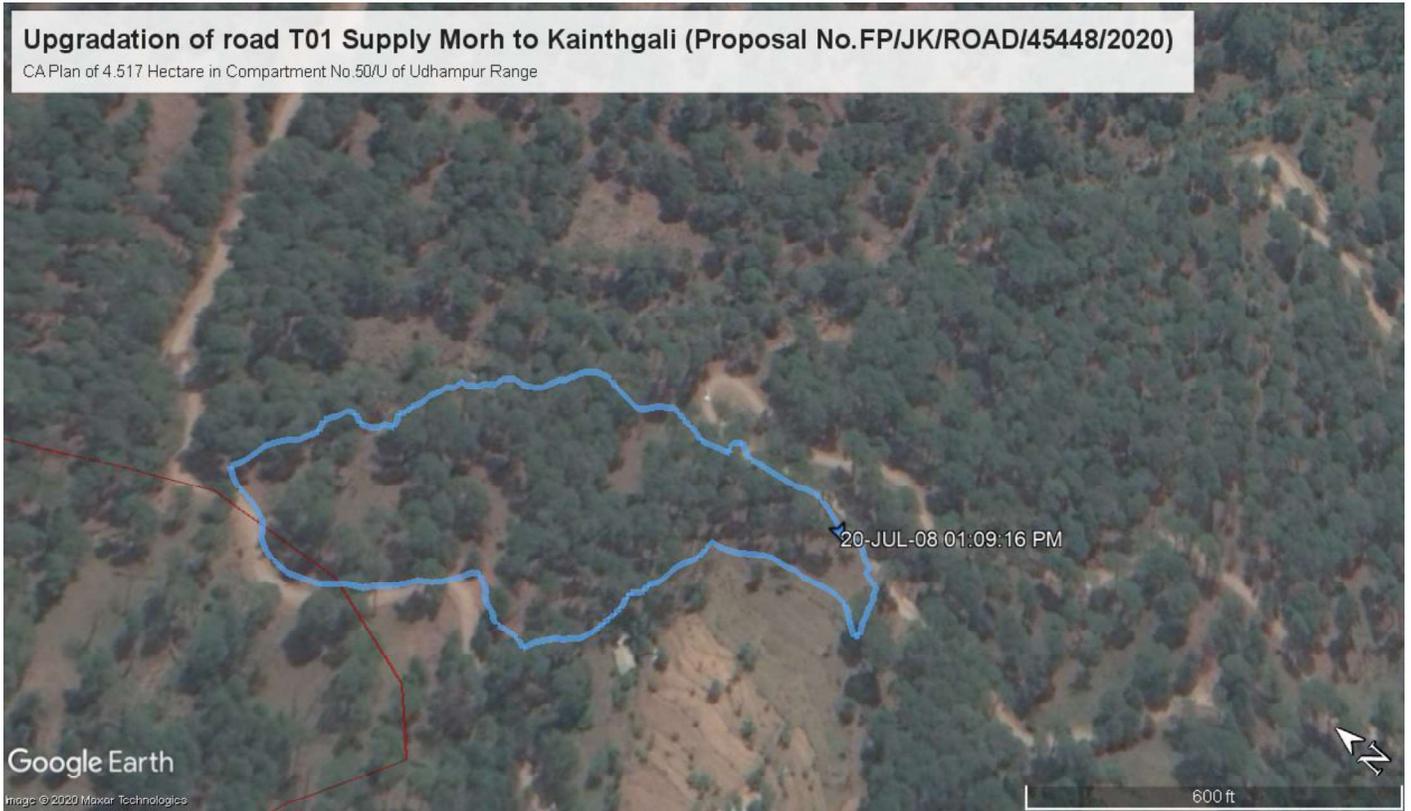
  
Anil K. Mehta

  
Forest Range Officer  
Udhampur Forest Range  
Udhampur

  
(Shaveta Jandial) IFS  
Divisional Forest Officer  
Udhampur Forest Division  
Udhampur

**Upgradation of road T01 Supply Morh to Kainthgali (Proposal No.FP/JK/ROAD/45448/2020)**

CA Plan of 4.517 Hectare in Compartment No.50/U of Udhampur Range



# GEOREFERENCE MAP OF CA PATCH

75°7'0"E

75°7'15"E



Co: 50U - Supply morh kainthgali

OID *	Longitude	Latitude
1	75° 7' 14.174" E	32° 59' 12.919" N
2	75° 7' 13.840" E	32° 59' 11.976" N
3	75° 7' 12.911" E	32° 59' 11.792" N
4	75° 7' 12.551" E	32° 59' 14.414" N
5	75° 7' 9.142" E	32° 59' 15.558" N
6	75° 7' 9.624" E	32° 59' 16.778" N
7	75° 7' 7.928" E	32° 59' 19.313" N
8	75° 7' 8.490" E	32° 59' 20.296" N
9	75° 7' 10.368" E	32° 59' 19.611" N
10	75° 7' 10.915" E	32° 59' 19.062" N
11	75° 7' 11.917" E	32° 59' 18.794" N
12	75° 7' 13.516" E	32° 59' 17.480" N
13	75° 7' 14.300" E	32° 59' 15.040" N

**Legend**

- GPS Coordinates
- CA Patch Line

32°59'15"N

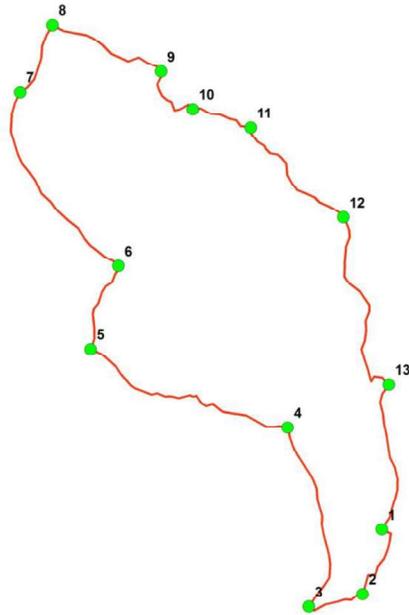
32°59'15"N

75°7'0"E

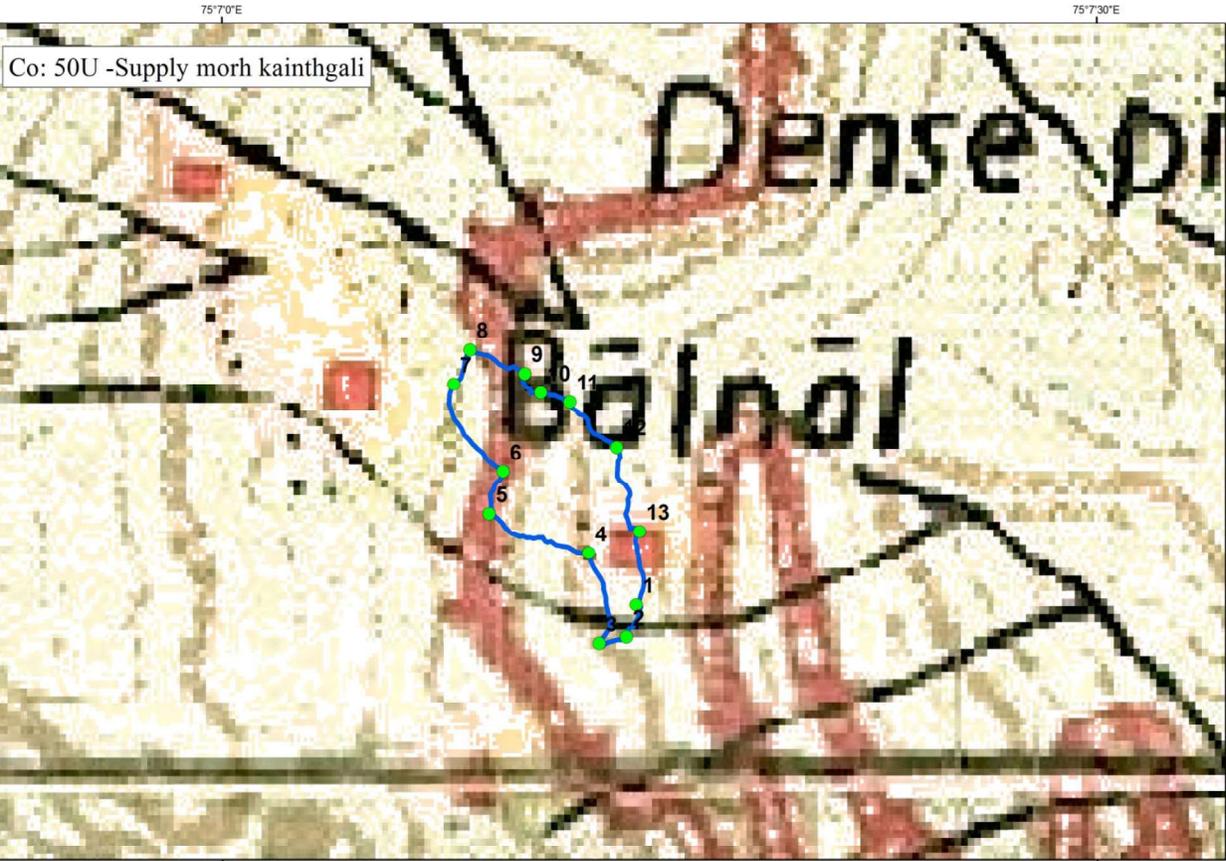
75°7'15"E

GT Sheet No 43 P/1  
Scale 1:50000

ICT PI DIVISION J&K JAMMU



# SOI MAP OF CA PATCH



Co: 50U -Supply morh kainthgali

**Legend**

- GPS
- CA Patch Line

GT Sheet No 43 P/1  
Scale 1:50000

ICT PI DIVISION J&K JAMMU



GOVERNMENT OF JAMMU AND KASHMIR  
OFFICE OF THE CONSERVATOR OF FORESTS EAST CIRCLE, JAMMU  
FOREST COMPLEX, DOGRA HALL, JAMMU

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**Sub: Work programme of Compensatory Afforestation w.r.t Forest land for  
"Upgradation of road T01 Supply Morh to Kainthgali" in Udhampur Forest  
Division.**

**Ref: DFO Udhampur No: 116-18/FDU dt: 08-04-2021.**

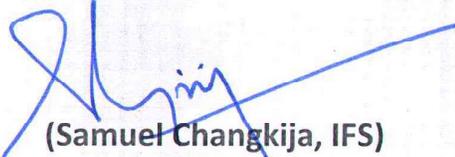
**ORDER**

The work proposal for Compensatory Afforestation to be done in lieu of diversion of 2.2585 hectare of Forest land for "FCA proposal No: FP/JK/ROAD/45448/2020 (Upgradation of road T01 Supply Morh to Kainthgali) to the tune of Rs. 678589/- prepared and submitted by the Divisional Forest Officer, Udhampur Forest Division is hereby approved/sanctioned as per the details given below:-

Proposal No.	Location	Area involved for diversion	Area of C.A Plan	Canopy Density	Spp. To be planted
FP/JK/ROAD/45448/2020	51/U	2.2585Ha	4.00Ha	<0.4%	Chir/Mix broad leaved (Local)/grass slips.

The approval/Sanction is subject to the following conditions:-

1. All the terms and conditions as per the provisions of Forest Conservation Act 1980 w.r.t Compensatory Afforestation are complied with.
2. That the existing Forest Tariff Rate Schedule shall be applicable.
3. That the DFO Udhampur Division shall be the implementing agency by executing the CA Plan.



(Samuel Changkija, IFS)  
Conservator of Forests,  
East Circle, Jammu.

dt:- 9.4.2021

No:- 58-61/CFE/FCA

1. Pr. Chief Conservator of Forests, (Hoff), J&K, Jammu for favour of information.
2. APCCF/Nodal Officer, FCA, O/o the Pr. CCF J&K for favour of information.
3. Chief Conservator of Forests, Jammu for favour of information
4. DFO Udhampur Forest Division for information and necessary action.

**Model Compensatory Afforestation Scheme**  
**(Additional C.A Proposal) Patch No. 02**

➤ Full Title of the Forest Land Diversion Project	Upgradation of road from Supply Morh to Kainthgali
➤ File No.	FP/JK/ROAD/45448/2020
➤ Date of Proposal	29-05-2020
➤ Name of the Forest Division (where forest land is proposed to be diverted)	Forest Division Udampur
➤ Forest Area to be diverted	2.2585 Ha.
➤ Details of land where C.A. is to be carried out:	
• Degraded forest land (Yes/No) : Yes	Area: 4.00 Ha.
• Non-forest land (Yes/ No) : No	Area: NA
• Forest Division	Udampur
• District	Udampur
• Range	Udampur
• Tehsil	Udampur
• Compartment No.	51/U
• Khasra No. (in case of Non Forest land)	NA
• C.A Site (Name of location)	Pangara
• C.A area in Hectare	4.00 Ha
• C.A. Site Geo-Coordinates:	
Starting Point:	Latitude: 32°59'51.19"N Longitude: 75° 6'53.38"E
Ending Point:	Latitude : 32°59'42.02"N Longitude: 75° 6'56.37"E
• In case of non-forest area identified for CA, then what is the distance of C.A. site from the adjoining forest boundary	NA

**1. Description of C.A. Site**

a) Soil Type	Mountainous Loamy soil
b) Topography: Hilly/ Undulating/ Plain	Hilly and undulating
c) Slope: Steep/ Medium/ Gentle	Medium
d) For non forest land-description of existing vegetation/ root and density	NA
e) In case of degraded forest land-description of forest type and crown density	Sub-Tropical Hilly Forest
f) Crown Density	Less than 40%

**2. Plantation Model:**

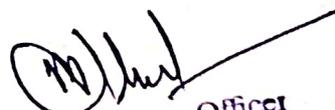
Compensatory afforestation over an area of 4.0 Ha of degraded forest land is proposed to be raised. The area selected for this purpose is Pangara Sourap Forest (51/U), Beat Pangara , which is a degraded forest area and has been proposed for CA. Presently the area supports scattered Chir (Pinus roxburghii) trees. Whole of the plantation of 4.0 ha will be raised in a single compact block. The area identified for plantation has also been shown on the attached map. Plants @ 1000 plants per hectare will

be planted. Thus 4000 plants under this proposal will be planted in 4.0 Ha. of land along with 2000 Nos of grass slips. The species to be planted will be mainly Chir and local Mixed Broad leaved species. The cost structure of the scheme is attached. Total financial outlay for compensatory plantation scheme is Rs.678589 /-. The area selected for compensatory plantation is approachable from the road Supply Morh to Kainthgali near Village Pangara. The monitoring will be done as per existing monitoring mechanism in the Forest Department at present and also as per G.O.I instructions.

S. No.	Description	Unit		Rate	Total Amount (In Rs.)
A	1 <sup>st</sup> year cost of Afforestation	No	4000	40.03	160120
	2 <sup>nd</sup> year Maintenance		1000	40.03	40030
	3 <sup>rd</sup> year Maintenance		400	40.03	16012
	4 <sup>th</sup> year Maintenance		200	40.03	8006
	5 <sup>th</sup> year Maintenance		200	40.03	8006
	6 <sup>th</sup> year Maintenance		200	40.03	8006
	7 <sup>th</sup> year Maintenance		200	40.03	8006
	8 <sup>th</sup> year Maintenance		200	40.03	8006
	9 <sup>th</sup> year Maintenance		200	40.03	8006
	10 <sup>th</sup> year Maintenance		200	40.03	8006
				<b>Total</b>	<b>272204</b>
B	<b>Other afforestation Intervention (As per the requirement of the site condition)</b>				
1	Patch Sowing	No	2000	6.99	13980
2	Planting of grass slips	No	2000	6.35	12700
				<b>Total</b>	<b>26680</b>
C	Fencing				
1	Square PCC Post Fencing (4 Strand/ 7 Strand)	Rft	3000	72.78	218340
2	Wooden Fencing	-	-	-	-
3	Chain Link Fencing	-	-	-	-
4	Fencing Repair	Rft	3000	16.74	50220
				<b>Total</b>	<b>268560</b>
<b>Total C.A charges</b>					
D	Soil and water conservation and protection measures (DRSM)	Cum	45	1099	49455
				<b>Total (A + B + C + D)</b>	<b>616899</b>
E	Supervisory/ Watch and ward/ overhead / misc Charges (10% of C.A charges)				61690
				<b>Grand Total (A + B + C + D +E)</b>	<b>678589</b>

The Afforestation cost is calculated as per the JAMMU & KASHMIR FOREST RATE SCHEDULE TARIFF' 2017.

  
100/10/2017/11/11

  
Forest Range Officer  
Udhampur Forest Range  
Udhampur

  
Asstt. Executive Engineer  
FMCSY Sub Div.  
Udhampur

  
Divisional Forest Officer  
Udhampur Forest Division  
Udhampur

I. **Technical** Details: Technical details of Compensatory Afforestation Scheme are as follows:

- |  |   |
|--|---|
| i) General Details                     | : Co. 51/U, Block: Bhatti Mali, Beat: Pangara         |
| ii) Plantation Method                  | : Pit Plantation                                      |
| iii) Spacing                           | : 4-5 feet  |
| iv) Species proposed to be planted     | : Chir / Mixed Broad leaved (Local)/ Grass slips      |
| v) Silvicultural Operations            | :   |
| vi) Soil & Moisture Conservation Works | : DRSM  |
| vii) Protection:                       | : (Fencing, Watch & Ward, People's Participation etc) |
| viii) Proposed Monitoring Mechanism    | :   |
| ix) Any other information              | : Nil   |

Asstt. Executive Engineer  
PMG & Lab Div.  
Udhampur

  
Bhatti Mali

  
Forest Range Officer  
Udhampur Forest Range  
Udhampur

ofs  
  
Divisional Forest Officer,  
Udhampur Forest Division  
Udhampur

# Upgradation of Road T01 Supply Morh to Kainthgali (Proposal No.FP/JK/ROAD/45448/2020)

Addl. CA Part-2 in Co.51/U



Google Earth

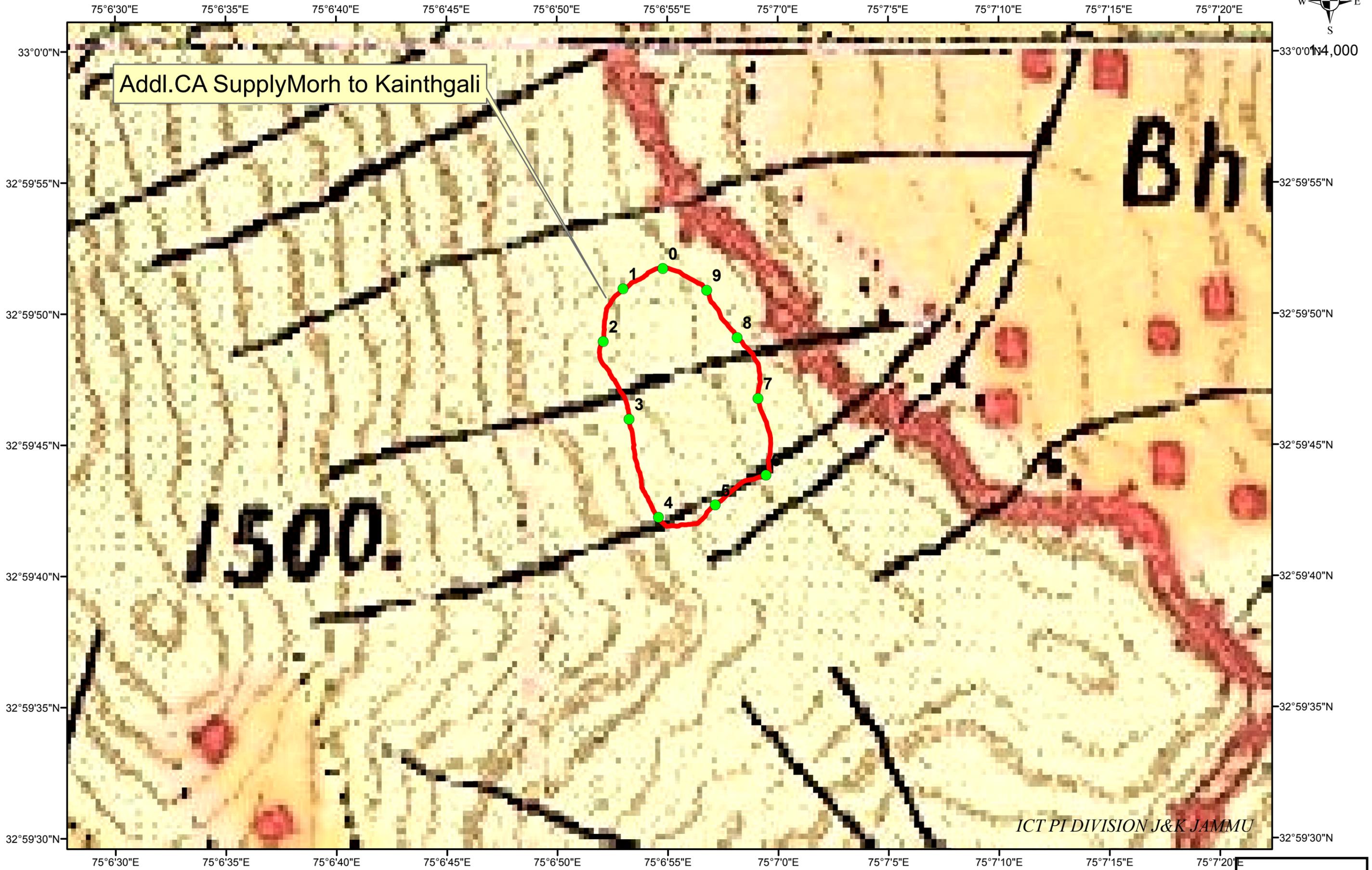
Image © 2021 Maxar Technologies

200 m



# SOI Map (CA Patch)

GT Sheet No 43 P/1



Addl. CA Supply Morh to Kainthgali

- GPS Coordinates
- CA Polygon

# Georeference Map (CA Patch)

GT Sheet No 43 P/1

75°6'40"E

75°6'45"E

75°6'50"E

75°6'55"E

75°7'0"E

75°7'5"E

75°7'10"E

Addl. CA Supply Morh to Kainthgali



1:2,500

32°59'55"N

32°59'55"N

32°59'50"N

32°59'50"N

32°59'45"N

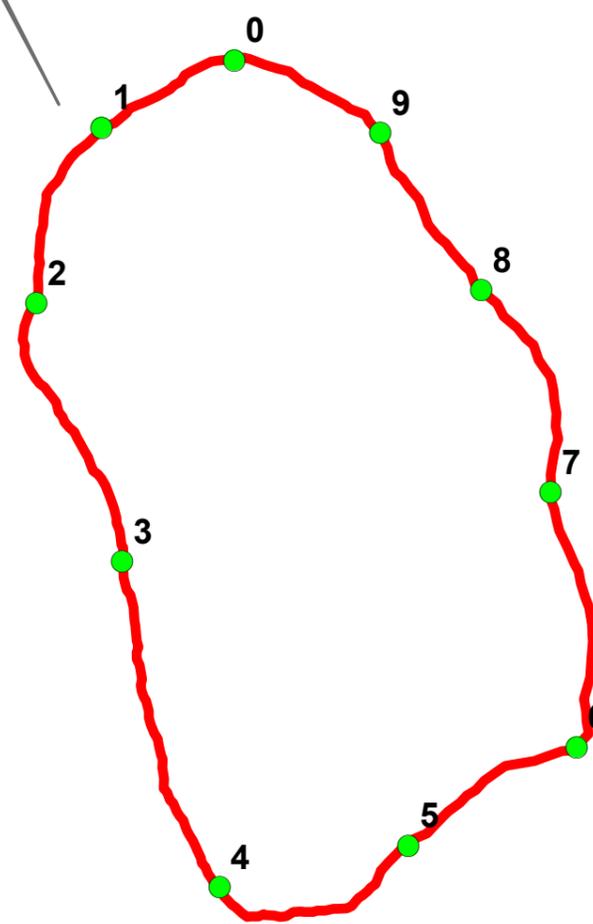
32°59'45"N

32°59'40"N

32°59'40"N

FID	Latitude	Longitude
0	75° 6.913' E	32° 59.862' N
1	75° 6.883' E	32° 59.849' N
2	75° 6.868' E	32° 59.816' N
3	75° 6.887' E	32° 59.766' N
4	75° 6.909' E	32° 59.704' N
5	75° 6.952' E	32° 59.712' N
6	75° 6.991' E	32° 59.731' N
7	75° 6.985' E	32° 59.779' N
8	75° 6.969' E	32° 59.818' N
9	75° 6.946' E	32° 59.848' N

● GPS Coordinates  
● CA Polygon



75°6'40"E

75°6'45"E

75°6'50"E

75°6'55"E

75°7'0"E

75°7'5"E

75°7'10"E

ICT PI DIVISION J&K JAMMU