

No. 1124
H.P. Forest Department.

Dated Nahan, the 14.07.2023

From: DFO Nahan. To: CCF. Nahan

Subject: Diversion of 17.84 ha. of forest land for construction of 132 KV MCT line on 220KV MCTs with ACSR Zebra conductor from 220/132 KV Sub-Station proposed at Andheri to tower No. 20/21 of existing 132 KV Jamta- Kala Amb transmission line at Kala Amb within the Jurisdiction of Nahan Forest Division, Nahan, Tehsil, Nahan, Distt. Sirmour H.P.

Memo: Kindly refer to your office endst No. FD-NH-F005/3/2021-MISC dated 24.06.2023 observation raised by Integrated Regional Office Shimla on the subject cited above.

2. In this regard vide above referred letter the point wise reply of observations is given as under:-

Sr. No	EDS/Observation	Reply to EDS
1.	As per DSS analysis, there is error in found in the uploaded kml file of DA polygon. Further, from KML file it can be seen that instead of polygon a line has been shown to represent the transmission line. The KML file shall show transmission line in polygon (representing the RoW) of T/L along with the location of towers (representing dimensions of each towers). The revised KML file may be uploaded.	Kml file in polygon is uploaded on Parivesh Portal in Form-A (Part-1-C). by the user agency.
2.	Layout plan has not been uploaded. Needful in this regard may be done. Further, Layout plan with proper length and width of transmission line (RoW) and dimensions of each tower proposed shall be provided. Further, Forest and Non-Forest land involved shall be marked with distinct colours.	Layout plan has been uploaded in Form-A, Part-1, additional information details at Sr. No. 34 on Parivesh Portal. by the user agency.
3.	No muck dumping site has been proposed in the extent of proposal. However, as much management plan 176.35cum of muck is to be disposed. Necessary clarification in this regards may be provided. If required, muck dumping site may be proposed and accordingly revision in component wise breakup may be done.	Clarification regarding muck management plan has been uploaded in Form-A, Part-1, additional information details at Sr. No. 35 on Parivesh Portal. by the user agency.
4.	As per DSS analysis, there is error in calculating the CA area of polygon-1 because polygon-1 is sharing boundary of Haryana state. Necessary corrections in the KML file is required to be carry out.	Polygon-1 has been corrected and same has been uploaded in web portal at Sr.No. in Part -2 (Digital Map and Topo Sheet of CA area has been revised and and same has been uploaded in web portal at Sr.No. 13 (iii) and (iv) in Part -2.

5.	The legal status of the CA land may be clarified, whether it is wasteland declared as Protected Forest as per 1952 Notification of Himachal Pradesh Government or it is Forest land declared as Protected Forest as per IFA,1927. Further, ownership of the proposed CA land of both polygons may also be clarified. Land Revenue records (Jamabandi) verifying the same is required to be provided.	The legal status of CA Land i.e. Reserve Forest is given per Beat manual and Compartment history file Copy enclosed in Additional information in Parivesh Portal at Sr. No. 2 in Part-2 (CA Scheme has been revised as per fixed for norms for the year 2023-24 and same has been uploaded in web portal at Sr.No.13(ii) in Part -2 .
6.	Large nos. of trees are going to be affected in the extent proposal. Therefore, the State Government shall explore all possibilities to reduce the number of trees to be effected in the proposal. Accordingly, a revised enumeration list clearly mentioning the number of trees to be felled and number of trees not to be felled shall be provided.	<p>The tower is kept in the center of the Row. The Row should be cleared from all trees, structure and construction which interfere the power lines.</p> <p>The maximum width of Row is calculated by considering transmission line voltage, wind speed, sag, tower design, swing and other safety parameters.</p> <p>As such, we have only marked the trees which are coming under RoW of transmission line and reducing no. of trees will affect the clearance between the conductors & trees. A low clearance between conductors of transmission line & trees leads to fire hazard in the forest area and could damage the transmission line. Therefore, trees mentioned in the proposal are ^{base and minimum} necessary to clear ^{and} avoid any mishappening at later stage. ^{hence} But trees could not be reduced from the proposed area .</p>
7.	NoC/Sale deed/Gift deeds for non-forest land acquired from private individuals are required to be submitted.	Copy of easement agreement signed with land owners has been uploaded in Form-A, Part-1, additional information details at Sr. No. 36 on Parivesh Portal.

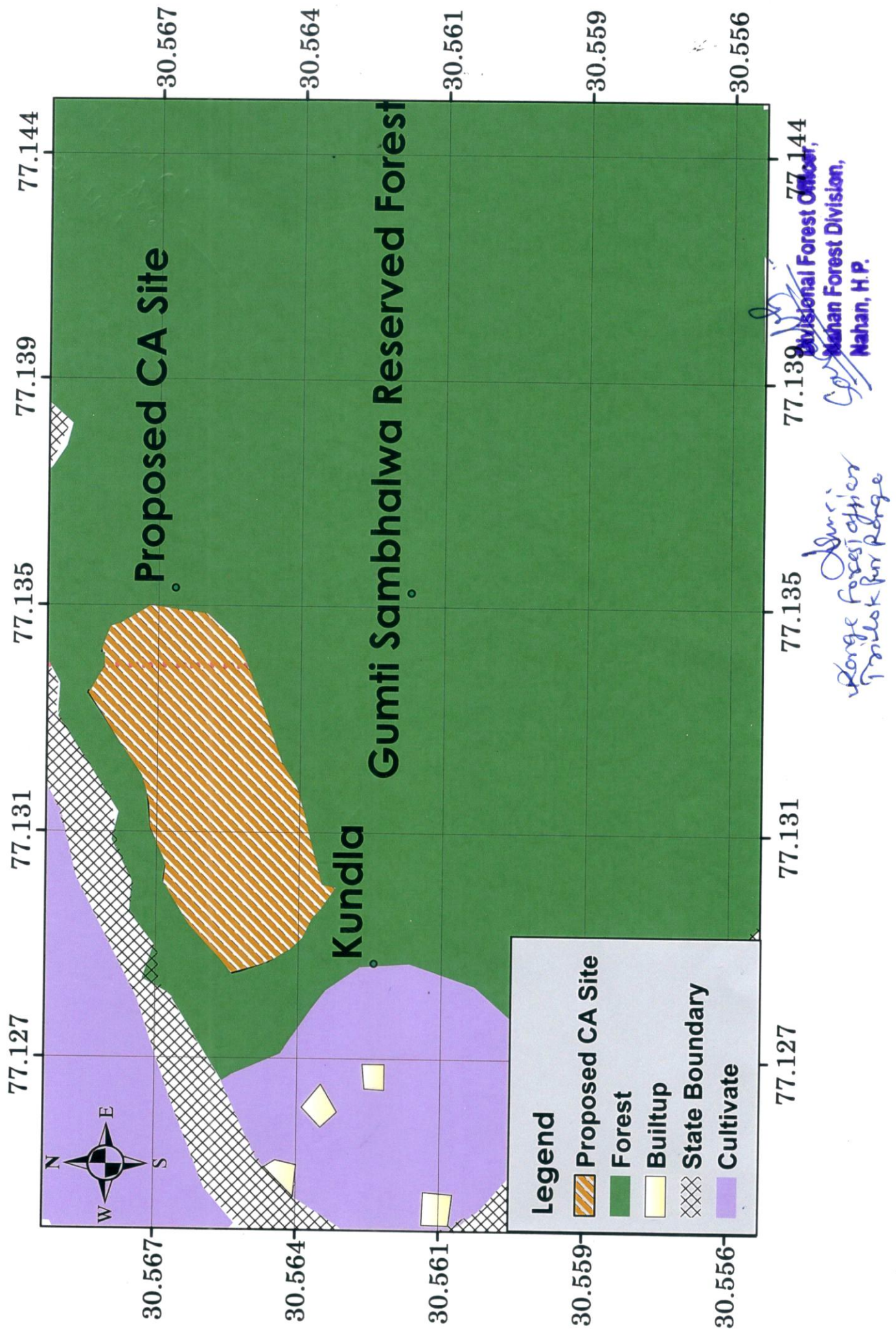
This is for favour of kind information and necessary action at your end please.

Encl: As above.

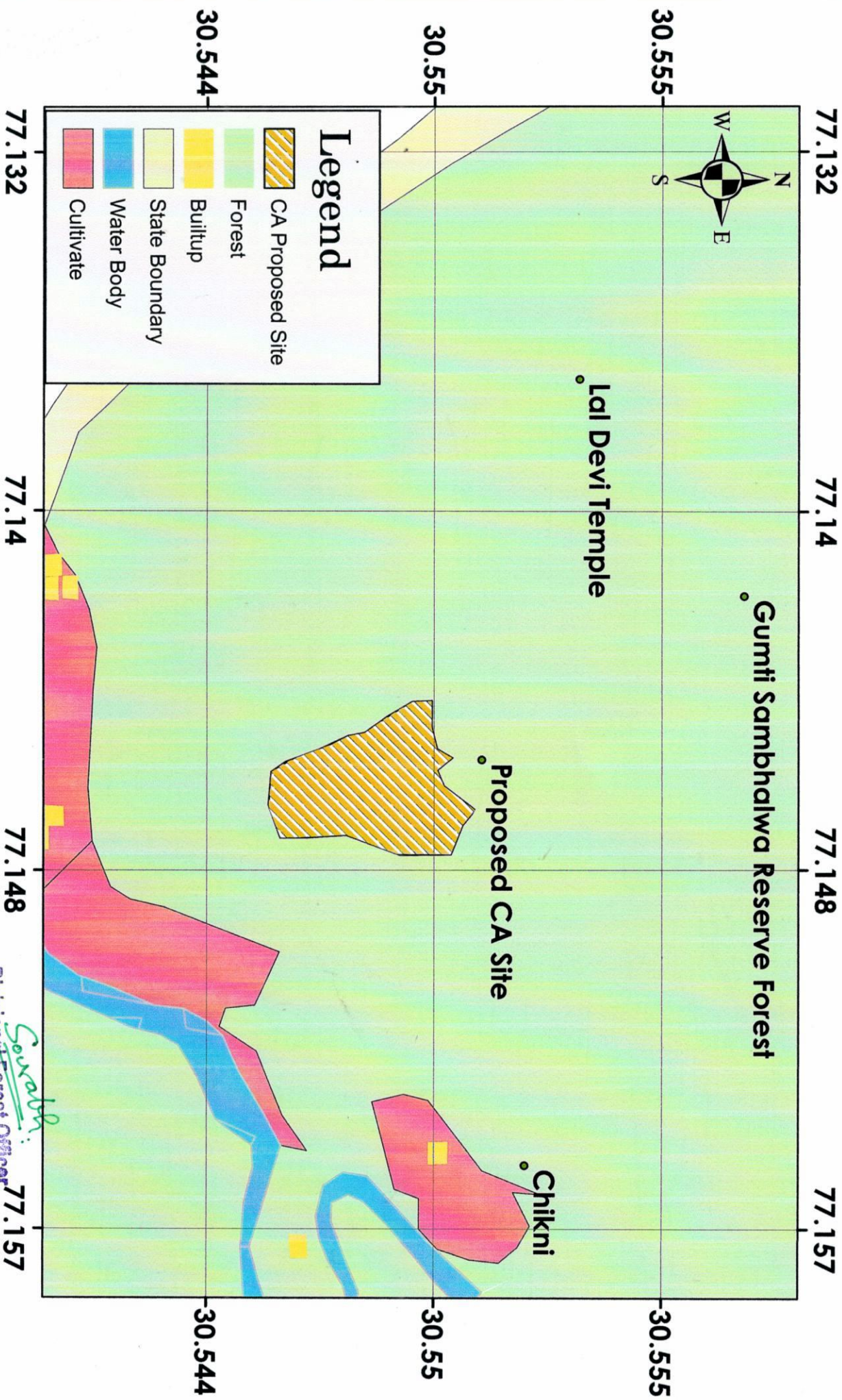
Dated 14.07.2023

Sourabh
 Divisional Forest Officer,
 Nahan Forest Division, Nahan.

Digital Map of RF Gumti Sambahwla C-1=24 hact

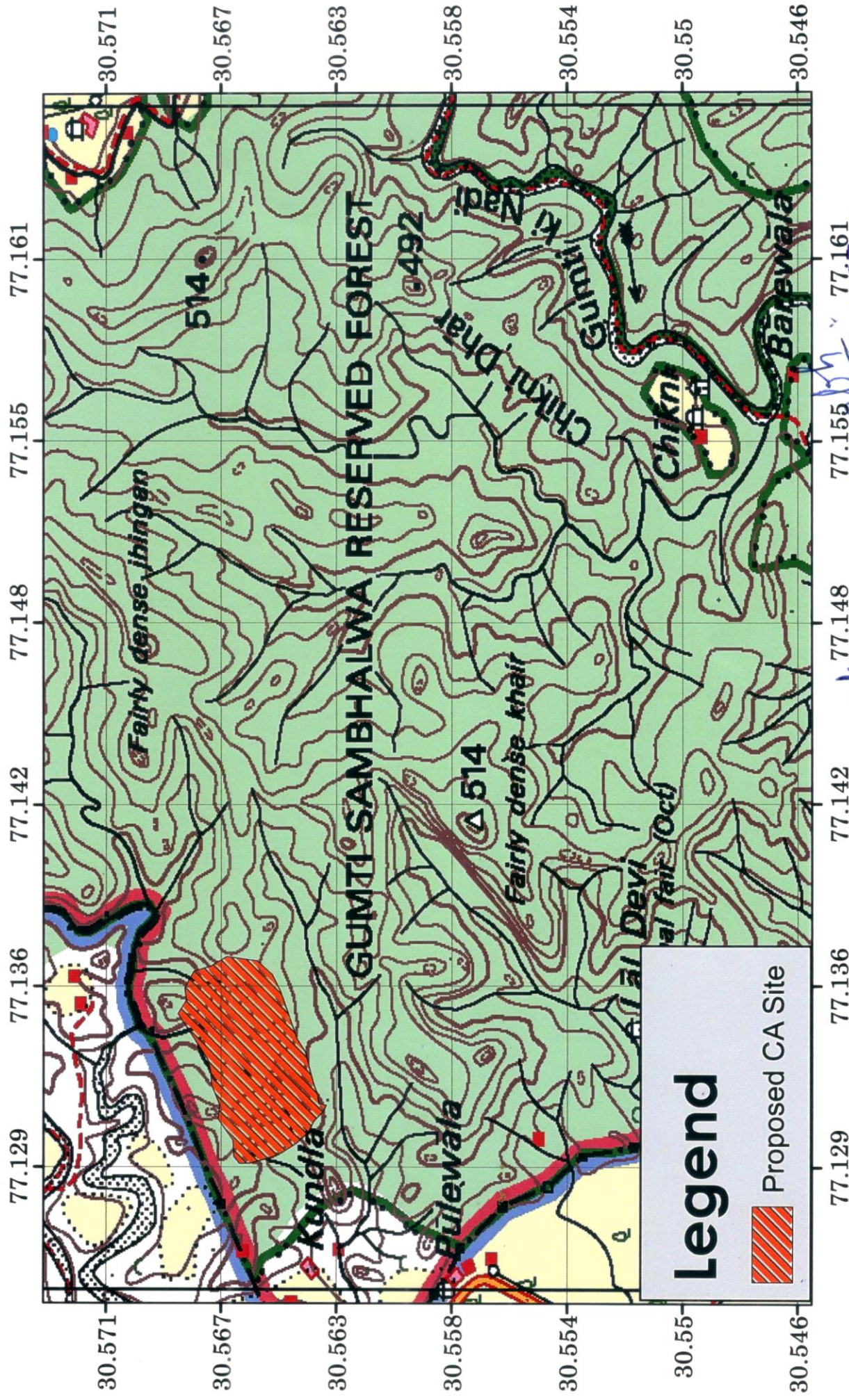


Digital Map of RF Gumti Sambhalwa C-2= 12 haact



Sourabh
 Divisional Forest Officer,
 Mahan Forest Division,
 Mahan, H.P.

Topography Map of RF Gumti Sambahwla C-1=24 hact (Toposheet No. H43L2)



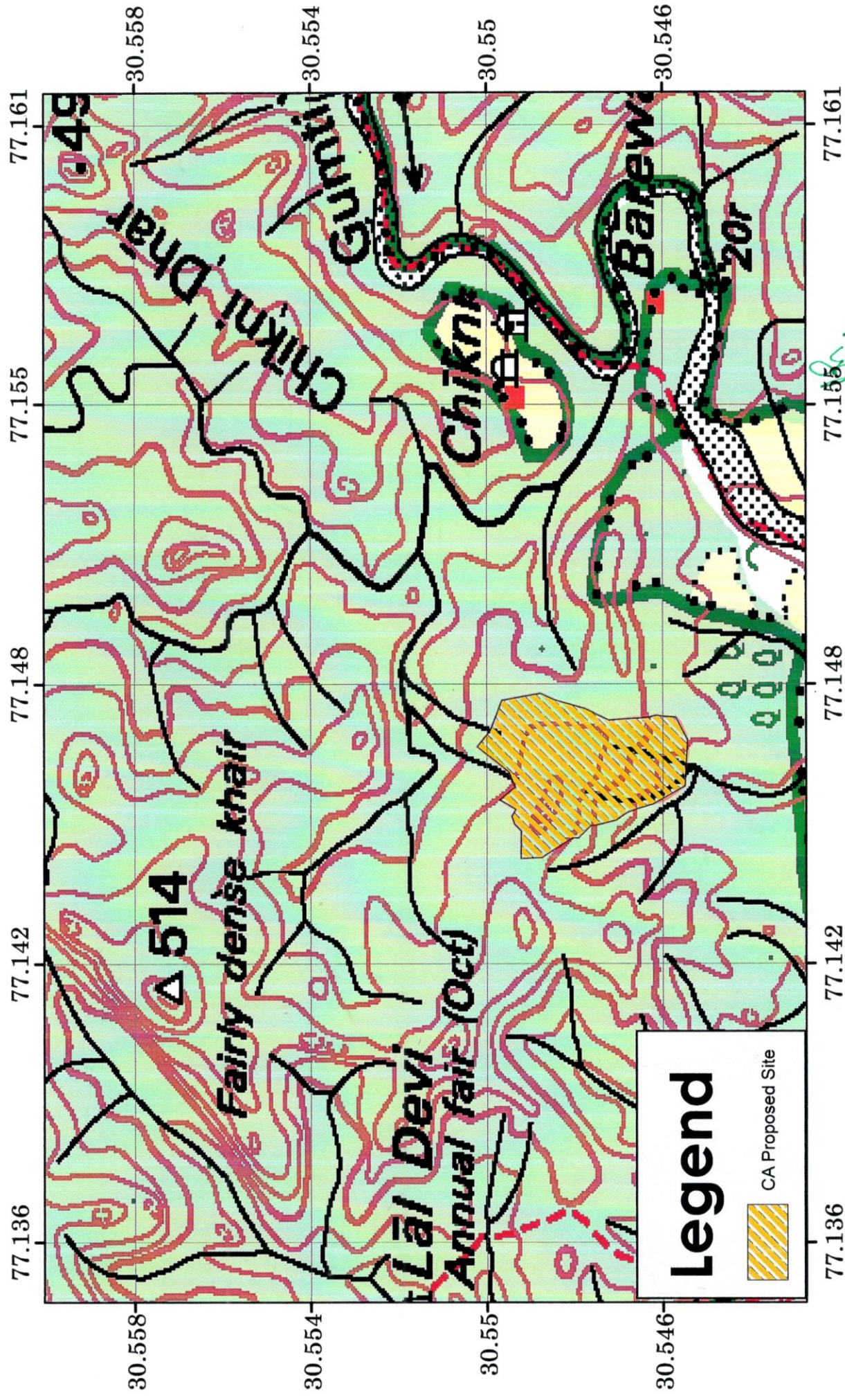
Legend



Proposed CA Site

Divy
 Range forest officer
 Divisional Forest Officer,
 Nehan Forest Division,
 Nahar, H.F.

Topography Map of RF Gumti Sambhalwa C-2= 12 haact (Toposheet No. H43L2)



Prepared by Forest Officer,
Forest Division,
Karnal, H.P.

DESCRIPTION OF FORESTS

DIVISION.....Nahan......
 RANGE.....Trilekpur......
 BLOCK.....Ketla......

FOREST...¹²⁶~~RF-138~~-Gumti, Sambhalwa.
 COMPARTMENT.....C.2.....
 AREA.....334.40 ha......

317.70 + 16.70 /

PAST HISTORY OF MANAGEMENT

Management allotment	Ram Chander's Plan 1952-72 'v'	Sewal's Plan 1990-2010 'v'	Sharma's Plan 1953-63	Arya's Plan 1968-78	Chauhan's Plan 1982-92	Current Plan
WORKING CIRCLE		Bamboo.	Protection.	Protection W.C.	Protection-cum-Afforestation.	Protection-cum-Rehabilitation Working Circle
P. B.						

PART - I

+ Khair working circle

- Name: **138-Gumti-Sambhalwa, Compartment-2.**
- Situation: **Situated to the West of Sunkri-Nadi and Trilekpur village and adjoins Maryana State Boundary.**
- Boundries:
 N:- **Chhalanwali-Khali and Nabhka-Khala separating compartment-4.**
 E:- **Sunkri-Nadi and Zamindari/Cultivation Land of village Churan, Barewala.**
 S:- **Maryana State Boundary.**
 W:- **Sambhalwa-Ka-Khala and Zamindari Forest Land of Lai.**
- Configuration:- **Undulating, hilly terrain cut up by nalas and ridges.**
- Locality Factors:-
 a Altitude :
 b Aspect: **Southern Eastern.**
 c Slope: **Moderate to steep (Precipitous along banks)**
 d Soil & Sub-soil : **Stiff clayey to sandy loam with boulders present.**
 e Drainage: **Excessive.**
 f Erosion: **Severe.**
- General composition:-

This compartment bears generally dry deciduous mixed crop of open to very open stocking. Main species seen here are Khair, Chhal, Jhingan, Sala, Dhak etc. Trees are stunted and malformed. The area has been taken up for plantations in the past and good Khair crop has come up in about 40 ha. area. Badly browsed bushes seen in the area are Karenda, Ber, Kuri, Lantana etc.

a Principal Spp.: **Khair, Chhal, Whingan.**

i Age class: **Young to middle.**

ii Quality: **---**

iii Stocking: **Peer.**

b Under wood: **Rare.**

c Under growth: **Karonda, Bhai, Kuri, ^KBandai, Beri and Kathi etc.**

d Climbers: **---**

e Ground cover: **Shabbar, Dholu and Sarala grasses.**

f Re-generation: **Exists in the form of planted Khair.**

7 Density: **0.0 to 0.3**

8 Quality: **---**

9 Injuries to the crop: **Heavy Grazing, Lepping, Browsing and Draught and Fire.**

10 Right & concessions: **As per Faisla-e-Janglat.**

11 Allotment: **(X) Protection-cum- Rehabilitation Working Circle.**

12 Special treatment prescribed:

Failed portions of the earlier plantations be retaken for planting afresh with Khair, Kikar, Siris, Bambee alongwith soil conservation measures.

CV Khair taken 01.16.70 has with camp dia of 11.14 cm during 1998-99 is placed in Khair working circle.

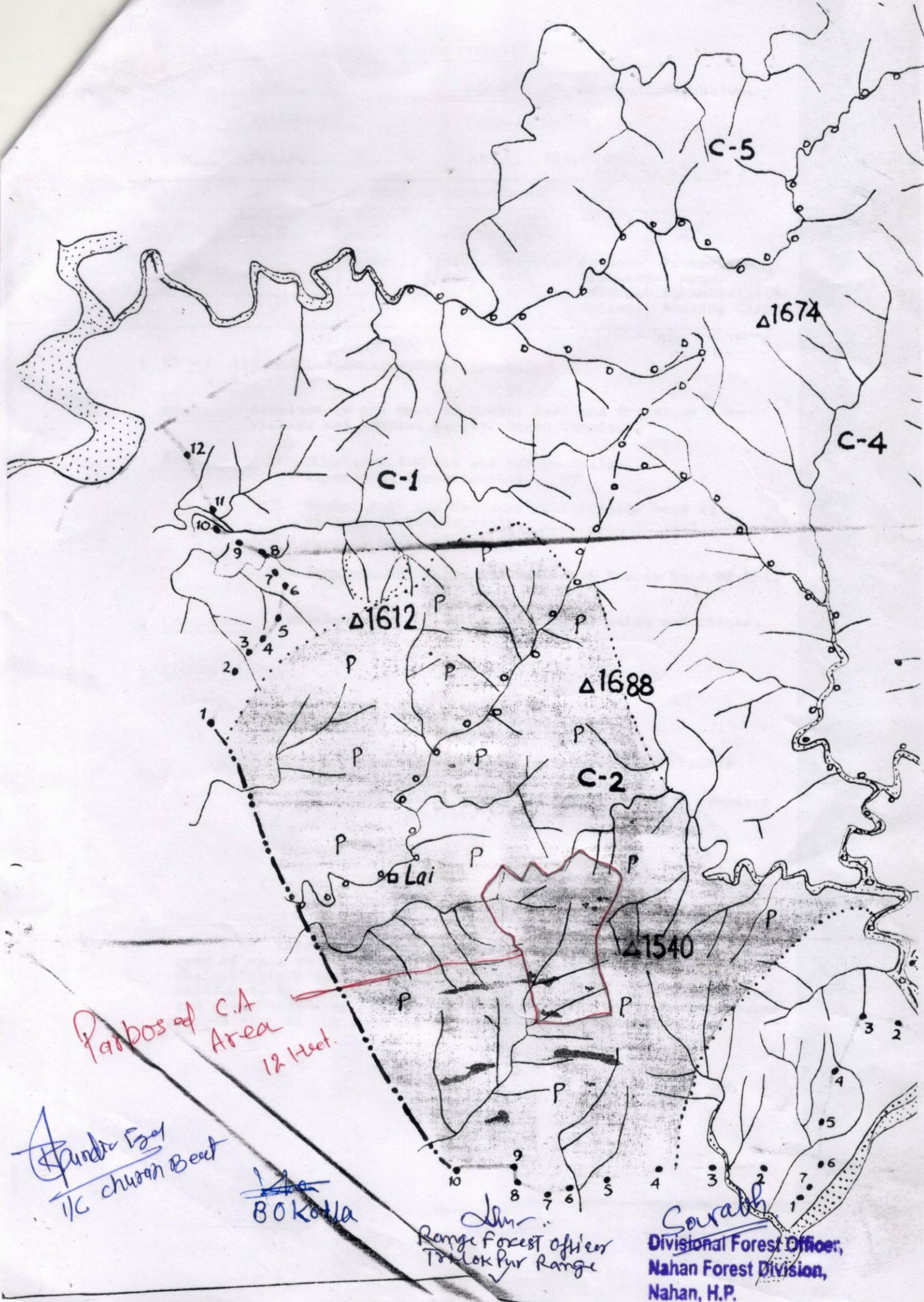
[Signature]
Divisional Forest Officer
Working Plan Division, NAHAN

[Signature]
B O Kotler

[Signature]
11/6 Churan Beat

[Signature]
Range Forest Officer
Jorlokpur Range

[Signature]
Divisional Forest Officer,
Nahan Forest Division,
Nahan, H P.



DESCRIPTION OF FORESTS

DIVISION.....Nahan......
FOREST.....¹²⁶RF-126 Gunti Sambhalwa.....
RANGE.....Trilokpura......
COMPARTMENT.....C.1.....
BLOCK.....Kotla......
AREA.....202.88 ha.
(183.29 + 19.59 Khair)

PAST HISTORY OF MANAGEMENT

Management allotment	Ram Chander's Plan 1952-72 'v'	Sewal's Plan 1990-2010 'v'	Sharma's Plan 1953-63	Arya's Plan 1968-78	Chauhan's Plan 1982-92	Current Plan
WORKING CIRCLE		<u>Bamboo.</u>	<u>Protection W.C.</u>	<u>Protection Working Circle.</u>	<u>Protection-cum-afforestation W.C.</u>	<u>Protection-cum-Rehabilitation Working Circle.</u>
P. B.						<u>+ Khair Working Circle</u>

PART - I

- Name : 138-Gunti-Sambhalwa.Compartment-1
- Situation : Compartment is situated to the West of Sunkri-Nadi and adjoins Maryana State.
- Boundries : N :- Compartment-4 separated by Chhalanwali-Khali.
E :- Sambhalwa-Ka-Khala separating C-1 and C-2.
S :- Maryana State Boundary.
W :- Maryana State Boundary.
- Configuration :- Hilly and Undulating, intersected by small Nalas and ridges.
- Locality Factors :-
a Altitude :
b Aspect : Southern.
c Slope : Moderate to very steep.
d Soil & Sub-soil : Stiff clayey to sandy loam.
e Drainage : Adequate to Excessive.
f Erosion : Severe.

6 General composition :-

This compartment supports dry deciduous mixed scrub of Khair, Chhal, Jhingan, Sala etc. Density is generally poor with badly eroded portions causing a threat to the area. Trees are stunted, malformed and branchy. Bushes seen in the area include Karonda, Kuri, Kandai, Dhail etc. The area has been planted with Khair, Bamboo etc. in the past. Khair crop has come in patches with reasonable stocking.

- a Principal Spp. : **Khair, Chhal, Jhingan.**
- i Age class : **Young to middle.**
- ii Quality : **---**
- iii Stocking : **Peer.**
- b Under wood : **Rare.**
- c Under growth : **Karenda, Kuri, Kandai, Dhali, Tung etc.**
- d Climbers : **Sarali.**
- e Ground cover : **Bhabhar and Dhelu grasses bearing a few patches.**
- f Re-generation : **Exists in patches in the form of planted Khair.**
- 7 Density : **0.0 to 0.3**
- 8 Quality : **-**
- 9 Injuries to the crop : **Excessive Grazing, Lepping, Browsing, Fire and Draught.**
- 10 Right & concessions : **As per Faisla-e-Janglat.**
11. Allotment : **Protection-cum- Rehabilitation Working Circle.**
- 12 Special treatment prescribed :

be
Failed portions are closed again and taken up for
plantation and soil conservation measures ~~afforded~~.

Divisional Forest Officer
Working Plan Division, NAHAN

Sourabh
Divisional Forest Officer,
Nahan Forest Division,
Nahan, H.P.

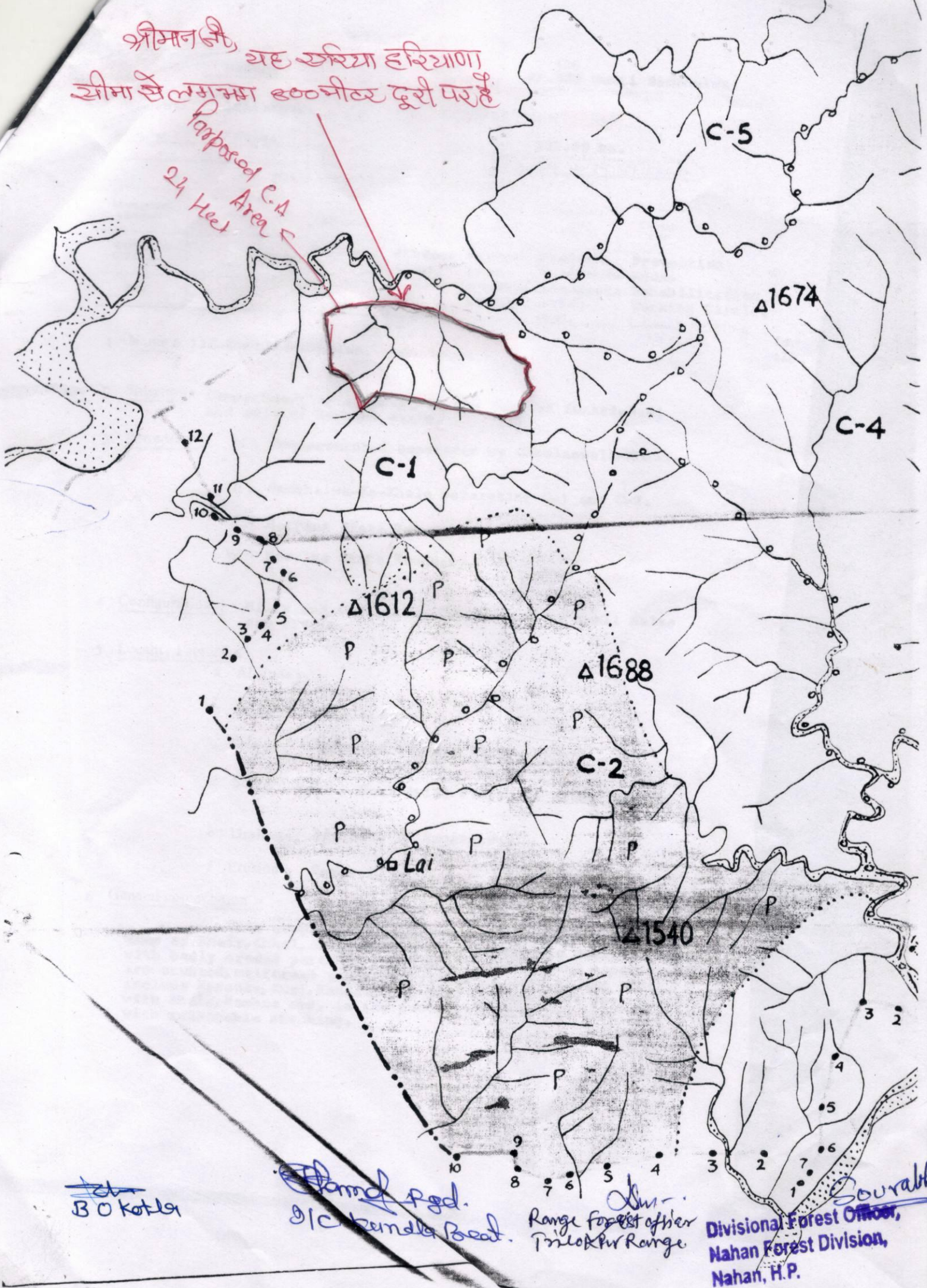
Shan
Range Forest Officer
Pindok Pur Range
✓

Shan
Range Forest Officer
Pindok Pur Range
✓

B.O. Kotler

श्रीमान जी, यह खरिया हरियाणा
 सीमा से लगभग ६०० मीटर दूरी पर है

Proposed C.A.
 Area
 24 Hect



B O Kotla

D. C. Khandelwal B.O.

Range Forest Officer
 Trilokpur Range

Divisional Forest Officer,
 Nahan Forest Division,
 Nahan, H.P.

Full Title of the Project: - Diversion of 17.84 ha. of forest land for construction of 132 KV MCT line on 220KV MCTs with ACSR Zebra conductor from 220/132 KV Sub-Station proposed at Andheri to tower No. 20/21 of existing 132 KV Jamta-Kala Amb transmission line at Kala Amb within the Jurisdiction of Nahan Forest Division, Nahan, Tehsil, Nahan, Distt. Sirmour H.P.
Date of Proposal:

CHECK LIST SERIAL NUMBER-18
"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed Scheme for Compensatory Afforestation to be carried out in lieu of 17.84 ha. of forest land for construction of 132 KV MCT line on 220KV MCTs with ACSR Zebra conductor from 220/132 KV Sub-Station proposed at Andheri to tower No. 20/21 of existing 132 KV Jamta- Kala Amb transmission line at Kala Amb within the Jurisdiction of Nahan Forest Division, Nahan, Tehsil, Nahan, Distt. Sirmour H.P.

Details of degraded forest land/non-forest land:-

District Sirmour, Village Gumti Sambhalwa), Tehsil: Nahan

Name of Forest Division -Nahan, Range -Trilokpur.

Beat Kundla and Churan / Block -Kotla /Compartment /Survey No: Sheet-H43L2

Area to be afforested = **35.68 ha. (RF Gumti Sambhalwa C-1 = 24ha.and RF Gumti Sambhalwa C-2 =11.68ha.**

1. Description of the Area

- i. Whether the site selected for Compensatory Afforestation is a land bank or not: No.
- ii. If the CA site is other than the land bank, reasons be given. :- NA.
- iii. In case of non- forest area identified for CA, and then what is the distance of CA site from the adjoining forest boundary. : NA
- iv. Soil type:
- v. Topography:
(a) Hilly/Undulating/Plain :-**Undulating**
(b) Slope: Steep / Medium/ Gentle :-**MEDIUM**
- vi. Whether the area is bearing any root stock of vegetation: - **No**

2. Plantation model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up to be enclosed.

3. Schedule of Plantation Programme:-

SCHEME FOR COMPESSATORY AFFORTATION

Particular of works	Area under CA scheme (In Hact.)	Norm fixed for the year 2023-24 at the wage rate of Rs.375/- per day.	Cost Escalation of 10% rate for each financial year	Total amount of CA
(a) Initial cost for Plantation	35.68ha	94500	103950/-	3708936/-
Soil Conservation Works			L/s	650000/-
Fire watcher, fire kit, and tools,			L/S	200000/-
Boundary pillar			L/S	200000/-
Add Nursery cost for 1100,330 and 110 Plant. Per ha. With 10% increase .			L/S	1373680/-
Lantana eradication 50% 1 st , 2nd and 3 rd . (Area 20ha.)			L/S	920000/-
Other works i.e Inspection path & Fixing of signed board			L/S	100000/-
				7152616/-
(b) 1 st year maintenance	35.68ha	11400	12540	447428
2 nd year maintenance	35.68ha	7700	8470	302210
3 rd year maintenance	35.68ha	3900	4290	153068
4 th year maintenance	35.68ha	3900	4290	153068
5 th year maintenance	35.68ha	3900	4290	153068
6 th year maintenance	35.68ha	3900	4290	153068
7 th year maintenance	35.68ha	3900	4290	153068
8 th year maintenance	35.68ha	3900	4290	153068
9 th year maintenance	35.68ha	3900	4290	153068
10 th year maintenance	35.68ha	3900	4290	153068
			Total Maintenance	1974182
			Total (a+b)	9126798
			5%	456340
Contingencies				9583138
				Total CA Amount
			17.5%	1677050
Departmental Charges			G.Total	11260188/-

4. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details
- Spacing: 3 mts X 3 mts (As per availability and notional hectare area by no. of plants
- Species:- Misc Board leaved and medicinal plants
- Plantation Method: By manual pit digging and manual labour
- Soil and Moisture Conservation Works:- Yes.
- Protection (Fencing, Watch man, People's Participation etc.): - Barbed wire fencing with people participation
- Proposed Monitoring Mechanism:- By Field staff, local people and DFO
- Any other information:- As per site condition minor variation can be made in the plantation. Area to be planted as per notional hectare

Date:-14.07.2023

Place: Nahan.

Souabh
Divisional Forest Officer
Nahan Forest Division,
Nahan Forest Division,
Nahan, H P.