

# एसजेवीएन लिमिटेड SJVN Limited

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)  
A 'Mini Ratna' & Schedule 'A' PSU  
CIN: L4010HP1988GOI008409

सुन्नी बाँध जल विद्युत परियोजना

Sunni Dam Hydro Electric Project



## ENVIRONMENT & FOREST DEPARTMENT

No.: SJVN/SDHEP/E&F/F-03/22- 327-28

Dated : 07-07-2022

To

Nodal Officer-cum-APCCF (FCA),  
O/o Pr. CCF, H.P. Shimla-1.

**Subject:** Proposal for seeking prior approval of the Central Government under Section 2 of the Forest (Conservation) Act, 1980 for diversion of 397.8863 ha forest land in favour of SJVN Ltd. for construction of Sunni Dam Hydroelectric Project (382 MW) within the jurisdiction of Shimla, Kotgarh and Karsog Forest Divisions, in District Shimla and Mandi, Himachal Pradesh (ONLINE PROPOSAL NO.FP/HP/HUD/31019/ 2017) – regarding reply of EDS dated 29<sup>th</sup> June, 2022.

Respected Sir,

This is with reference to MoEF&CC, Gol letter bearing File No.8-07/2021-FC dated 29<sup>th</sup> June, 2022 vide which an observation has been raised on the area of 55.5 ha proposed for CA, out of which 11 ha area is having a Medium Dense Forest (MDF) cover as per DSS analysis and moderately dense vegetation is visible in the the northen part of the proposed CA site as per the observations based on settelite imagery. In this context, it is intimated that the area has been visited by DFO (Solan) and the 11 ha area pointed out by MoEF&CC has been abandoned further a new patches of 5.5 ha and another 5.5 ha. has been indentified adjoining existing patch for CA. Now the 55.5 ha is being proposed in two patches, one of 50 ha. of area Bhallon and another of 5.5 ha. of R-44 Jhanai C1. All relevant papers (viz CA scheme, certificate/undertaking, land use maps, topsheets etc.) are enclosed please (Annexure-I).

In addition to above a certificate from DFO, Forest Division Solan mentioning that the proposed area is suitable for plantation and does not contains MDF/ VDF is also attached (Annexure-II). The reply has also been uploaded on Parivesh Portal.

In view of above, it is requested that the reply to MoEF & CC may be submitted at the earliest alongwith forwarding the case on Parivesh Portal please.

Thanking You,  
With regards.

Yours faithfully.

Sr. Addl. General Manager,  
Environment & Forest Deptt.,  
SDHEP, Sunni, Distt. Shimla (HP).

D.A.: As above.

N.O.O.:

CGM/ HOP SDHEP/ LHEP-II, for kind information please.

परियोजना कार्यालय: सुन्नी जिला-शिमला-171301  
दूरभाष: 0177-2786586, Fax No.: 0177-2786895, [www.sjvn.nic.in](http://www.sjvn.nic.in)  
कारपोरेट मुख्यालय: शक्ति सदन, शानान,  
शिमला-171006 (हि. प्र.)।

अपने तथा राष्ट्र के हित में ऊर्जा की बचत करें।

Project Office: Sunni, District Shimla-171301  
Tele: 0177-2786586, Fax No.: 0177-2786895, [www.sjvn.nic.in](http://www.sjvn.nic.in)

Corporate H.Q. : Shakti Sadan, Shanan,  
Shimla-171006 (HP).

SAVE ENERGY FOR BENEFIT OF SELF AND NATION.

No. 1631 /CC  
H.P. Forest Department.

Dated Sloan the, 7/7/2022

To

✓ Sr. Addl. General Manager,  
Environment & Forest Department  
SJVN, Ltd. SDHEP, Sunni, Distt. Shimla, HP.

Subject: -

Proposal for seeking prior approval of the Central Government under Section 2 of the Forest (Conservation) Act, 1980 for diversion of 397.8863 ha. forest land in favour of SJVN Ltd. for construction of Sunni Dam Hydroelectric Project (382 MW) within the jurisdiction of Shimla, Kotgarh and Karsog Forest Division, in FP/HP/HUD/31019/2017) – reg. requirement of forest land for Compensatory Afforestation.

Sir,

Please refer to your office letter No. SJVN/SDHEP/E&F/F-03/21-323-1 dated 30.06.2022 on the subject cited above.

In this connection, it is informed that as desired by you CA land has been identified and uploaded in E-green watch Portal of two area i.e. D-216 Bhallon =50 ha. and R-44 Jhanai C1 =5.5ha. in Dharampur Range. Total area for CA plantation to be carried out is 55.5 ha. in this Forest Division, whose GPS ID is **20780** of 5.5 ha. and **21224** of 50 ha. area. It is further submitted that the certificates of both areas i.e. Check list No. 17, 18, Map, Toposheet, MDF/VDF and estimate of Lantana eradication is enclosed herewith for favour of kind information and necessary action at your level please.

Yours failfully,



(Shreshtha Nand)HPFS  
Divisional Forest Officer,  
Solan Forest Division, Solan

Encl:- As above

Endst. No.

dated Solan, the  
Copy to C.F. Solan for information please.

  
Divisional Forest Officer,  
Solan Forest Division, Solan (H.P.)

**CHECK LIST SERIAL NUMBER:-17**

**SCHEME FOR COMPENSATORY AFFORESTATION**

Location Map of Non Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of Proposal for diversion of land measuring **397.8863** hectare forest land for "Construction of Sunni Dam Hydroelectric Project (382MW) within the jurisdiction of Shimla Kotgarh and Karsog Forest Division, in District Shimla and Mandi, HP.

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

District: **Solan**

Village: **R-44 Jhanai C1**

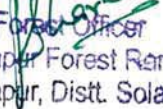
Tehsil:- **Kasauli**

Range: **Dharampur**

Name of Forest Division: **Solan**

Block/Compartment/Survey No. **53F/1/SW / R-44 Jhanai C1.**

Area to be afforested:- **5.5** hect.

  
Range Forest Officer  
Dharampur Forest Range  
Dharampur, Distt. Solan (H.P.)

  
(Shreshtha Nand)HPFS  
District Forest Officer,  
Solan Forest Division, Solan (H.P.)

**CHECK LIST SERIAL NUMBER:-17**

**SCHEME FOR COMPENSATORY AFFORESTATION**

Location Map of Non Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of Proposal for diversion of land measuring **397.8863** hectare forest land for "Construction of Sunni Dam Hydroelectric Project (382MW) within the jurisdiction of Shimla Kotgarh and Karsog Forest Division, in District Shimla and Mandi, HP.

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

District: **Solan**

Village: **D-216 Bhallon**

Tehsil:- **Kasauli**


Range: **Dharampur**

Name of Forest Division: **Solan**

Block/Compartment/Survey No. **53F/1/SW/ D-216 Bhallon.**

Area to be afforested:- **50** hect.

  
Range Forest Officer  
Dharampur Forest Range  
Dharampur, Distt. Solan (H.P.)


  
(Shreshtha Nand)HPFS  
Divisional Forest Officer,  
Solan Forest Division, Solan (H.P.)

## Checklist-18

Full Title of Project : Construction of Sunni Dam HEP (382 MW)

### LAND SUITABILITY CERTIFICATE BY DFO CONCERNED

This is to certify that 5.5 hect. land bearing Survey No./Compartment No. 53F/1/SW of R-44 Jhanai C1 of Dharampur Forest Range, Tehsil Kasauli District Solan, H.P. is identified for Compensatory Afforestation is suitable for plantation from management point of view and is free and all sorts of encumbrances and encroachment.

  
Range Forest Officer  
Dharampur Forest Range  
Dharampur, Distt. Solan (H.P.)

  
(Shreshtha Nand) HPFS  
Divisional Forest Officer,  
Solan Forest Division, Solan (H.P.)  
Solan Forest Division Solan.

### Checklist-18

Full Title of Project : Construction of Sunni Dam HEP (382 MW)

### LAND SUITABILITY CERTIFICATE BY DFO CONCERNED

This is to certify that 50 hect. land bearing Survey No./Compartment No. 53F/1/NW of D-216 Bhallon of Dharampur Forest Range, Tehsil Kasauli District Solan, H.P. is identified for Compensatory Afforestation is suitable for plantation from management point of view and is free and all sorts of encumbrances and encroachment.

  
Range Forest Officer  
Dharampur Forest Range  
Dharampur, Distt. Solan (H.P.)

  
(Shreshtha Nand) HPFS  
Divisional Forest Officer,  
Solan Forest Division (H.P.)

SCHEME FOR COMPENSATORY AFFORESTATION IN RESPECT OF SOLAN FOREST DIVISION.

The Bill Towards the Compensatory Afforestation (CA) Pertaining to Construction of Sunni Dam HEP on Satluj River Jurisdiction of Shimla, Kotgarh & Karsog Forest Division.

<b>G. ABSTRACT</b>						
<b>Sr. No.</b>	<b>PARTICULARS</b>		<b>AREA IN HAC</b>	<b>Rate/ per ha.</b>	<b>AMOUNT</b>	
1.	Compensatory Plantation cost FOR 55.5 hac.		55.5 hac.	83,660-00	46,43,130.00	
2.	Maintenance cost of Ist. Year		55.5	9,100.00	5,05,050.00	
3.	Maintenance cost of IInd. Year		55.5	6,140.00	3,40,770.00	
4.	Maintenance cost of IIIrd. Year		55.5	3,180.00	1,76,490.00	
5.	Maintenance cost of IVth Year		55.5	3,180.00	1,76,490.00	
6.	Maintenance cost of V th Year		55.5	3,180.00	1,76,490.00	
7.	Maintenance cost of VI th Year		55.5	3,180.00	1,76,490.00	
8.	Maintenance cost of VII th Year		55.5	3,180.00	1,76,490.00	
9.	Maintenance cost of VIII th Year		55.5	3,180.00	1,76,490.00	
10.	Maintenance cost of IX th Year		55.5	3,180.00	1,76,490.00	
11.	Maintenance cost of X th Year		55.5	3,180.00	1,76,490.00	
				<b>Total</b>	<b>69,00,870.00</b>	
	Add Nursery Cost for Plantation				10,08,788.00	
				<b>Total</b>	<b>79,09,658.00</b>	
	<b>Increase 25% Cost of CA for Soil and Moisture Conservation (SMC)</b>				<b>19,77,415.00</b>	
				<b>Total</b>	<b>98,87,073.00</b>	
				Add. Contingencies @ 5%	4,94,354.00	
				<b>Total</b>	<b>1,03,81,427.00</b>	
				Add Deptt. Charges @ 17.50%	<b>18,16,750.00</b>	
				<b>G. Total</b>	<b>1,21,98,177.00</b>	

Note:- The rates are inclusive of planting, fencing and plants cost for the year 2021-22.


Divisional Forest Officer  
Solan Forest Division, Solan

## UNDERTAKING

Against condition at Sr. No. 2 of Part-B of letter bearing File No. 8-07/2021-FC, dated 22<sup>nd</sup> December, 2021 conveying Stage-I "In-Principle" approval under the Forest (Conservation) Act, 1980 by MoEF&CC, it is hereby undertaken that CA over degraded-forest Govt. land, double in extent, to the forest land being diverted, shall be raised by the State Forest Department at the project cost within three years from the date of grant of Stage - II approval. As far as practicable a mixture of local indigenous species will be planted and monoculture of a species has to be avoided.

Date:

Place:

  
Divisional Forest Officer,  
Solapur Forest Division, Solapur (H.A.)



## UNDERTAKING

Against condition at Sr. No. 11 of Part-B of letter bearing File No. 8-07/2021-FC, dated 22<sup>nd</sup> December, 2021 conveying Stage-I "In-Principle" approval under the Forest (Conservation) Act, 1980 by MoEF&CC, it is hereby undertaken that the State government will carry out adequate Soil and Moisture Conservation works in the catchment area (e.g. stop dams, sunken pits, contour trenches, percolation pits, etc.) to gets enough recharge of water. These works would be in addition to the plantation proposed to be done under CA.

Date:

Place:



Divisional Forest Officer,  
Solani Forest Division, Solan (H.P.)

**TO WHOM IT MAY CONCERN**

It is certified that no plantation activities have been carried out by Forest Department under scheme / Plan/ programme on proposed CA area D-216 Bhallon 50hac. & 5.5 hac. in R-44 Jhanai C1 in Dharampur Range of Solan Forest Division in last 10 years.



(Shreshtha Nand) HPFS  
Divisional Forest Officer, (H.P.)  
Solan Forest Division, Solan.

INSPECTION NOTE OF SHRESHTHA NAND ,HPFS DIVISIONAL FOREST OFFICER ,SOLAN

Name of Range : Dharampur

Date of inspection: 01.7.2022


Area: R-44 Jhanai C1 and D-216 Bhallon

I have personally inspected the area selected for CA plantation i.e D-216 Bhallon 55.5 ha in which it has been observed by the MoEFCC that the area is having MDF. Now 50 ha of D-216 Bhallon and 5.5 ha of R-44 Jhanai C1 has been identified as land bank for CA which is suitable for plantation. The area having 70% infestation of lantana hence required removal of lantana first followed by plantation.

1  
(Shareshtha Nand )HPFS  
Divisional Forest Officer .  
Solan Forest Division Solan

Endst No \_\_\_\_\_ dated Solan the , \_\_\_\_\_

1. Copy submitted to CF Solan for favour of information and necessary action please.
2. R.O Dharampur for favour of information and necessary action.

  
(Shareshtha Nand )HPFS  
Divisional Forest Officer,  
**Divisional Forest Officer,**  
**Solan Forest Division, Solan (H.P.)**

## TO WHOM IT MAY CONCERN


It is certified that proposed compensatory afforestation site D-216 Bhallon and R-44 Jhanai C1 (55.5 hac.) in Dharampur Range of Solan Forest Division is suitable for plantation, do not include MDF/VDF and do not overlap with any other area.

Date:

Place : Dharampur



**Divisional Forest Officer,  
Solan Forest Division, Solan (H.P.)**

  
Range Officer, Dharampur  
Dharampur Forest Range  
Dharampur, Distt. Solan (H.P.)

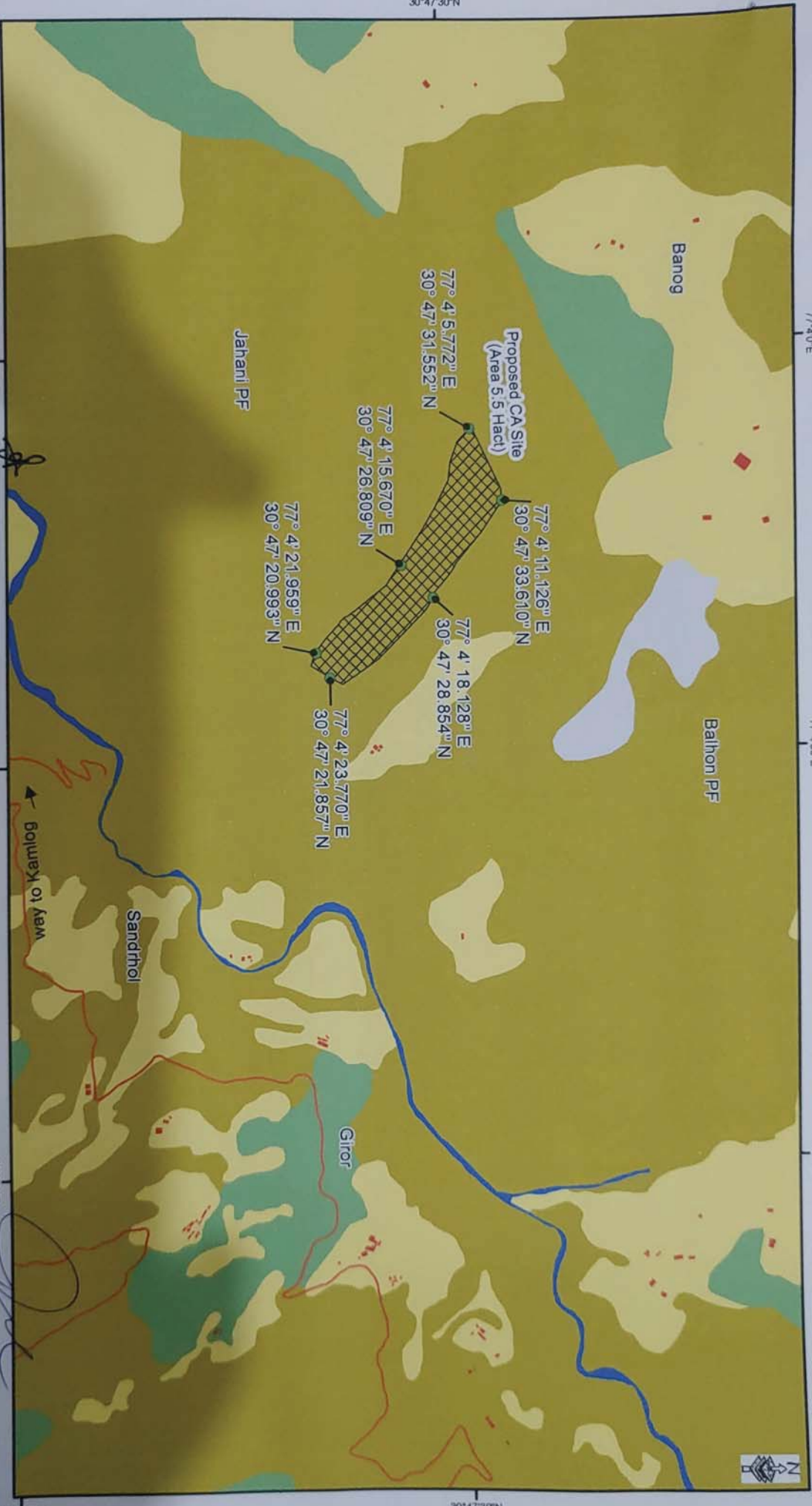
**Estimate of Lantana Eradication work in CA New Plantation area in D-216 Bhallon 50ha. and 5.5 ha of R-44 Jhanai C1Forest in Joharji Beat and Block Dharampur Forest Range during the year 2021-22. Detail as under:-**

Sr. No.	Particulars	Qty.	Rate/Ha.	Amount
<b>Lantana Eradication work infested upto 75% area 55.5 ha. @ 2021-22.</b>				
1.	Lantana eradication infested up 75% by CRS method 2021-22	55.5	36,600.00	20,31,300.00
2.	1 <sup>st</sup> Maintenance of Lantana Eradication 2023-24	55.5	8,000.00	4,44,000.00
3.	2 <sup>st</sup> Maintenance of Lantana Eradication 2024-25	55.5	4920.00	2,73,060.00
4.	3 <sup>st</sup> Maintenance of Lantana Eradication 2025-26	55.5	4920.00	2,73,060.00
			<b>G. Total</b>	<b>30,21,420.00</b>

Range Forest Officer  
Dharampur Forest Range  
Dharampur, Distt. Solan (H.P.)

Divisional Forest Officer  
Solan Forest Division, Solan (H.P.)

**Digital Landuse and Landcover Map of Proposed CA Site at R-44 Jhanei (Area 5.5 Hact.) Dharampur Forest Range, Solan Forest Division  
in Respect of Sunni Dam HEP (382 MW) SJVNL**



**Legend**

- Co-ordinates
- ▨ Proposed FCA Site (Area 5.5 Hact)
- Bullup Area
- Drainage
- Green Cover
- Road
- Plantation
- Shrubs
- Open Land / Waste

**Solan Forest Division (H.P.)**  
**Range Forest Officer**  
 Dharampur Forest Range 220  
 Dharampur, Distt. Solan

**St. AGM (Genl. & Forest Deptt.)**  
**LHEP-I/SDHEP**  
 SJVNL, Ltd. Sunni  
 Distt. Solan - 17136980

440 Meters



30°47'30"N

30°47'00"N

77°40'E

77°430'E

77°50'E

77°40'E

77°430'E

77°50'E

Banog

Balhon PF

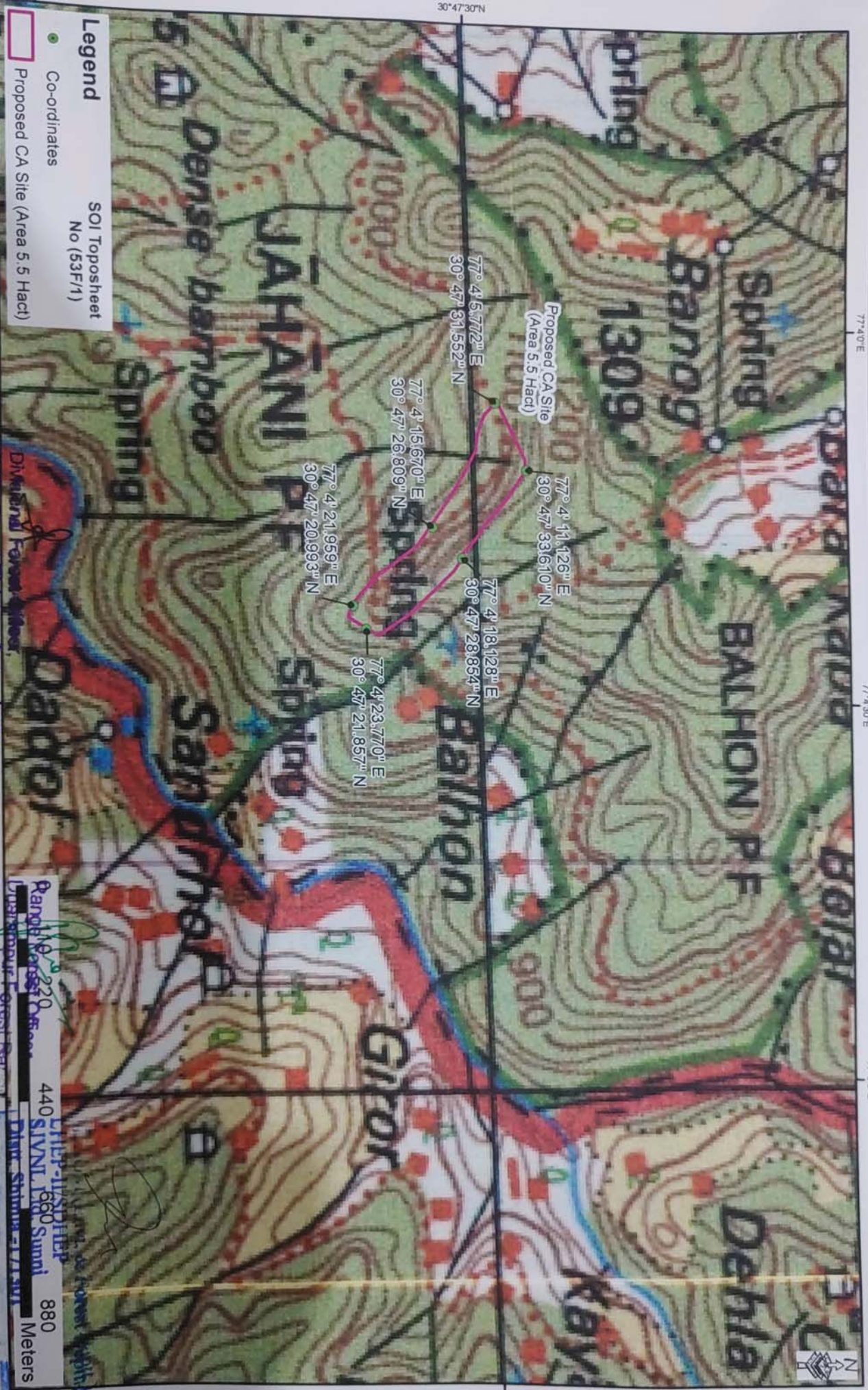
Jhanei PF

Sandhol

Gloror

golwani of new

Digital Toposheet Map of Proposed CA Site atR-44 Jhanei (Area 5.5 Hact.) Dharampur Forest Range, Solan Forest Division  
 In Respect of Sunni Dam HEP (382 MW) S.V.NL



77°40'E

Solan Forest Division, Solan, H.P.

Dharampur, Distt. So.



30°47'0"N

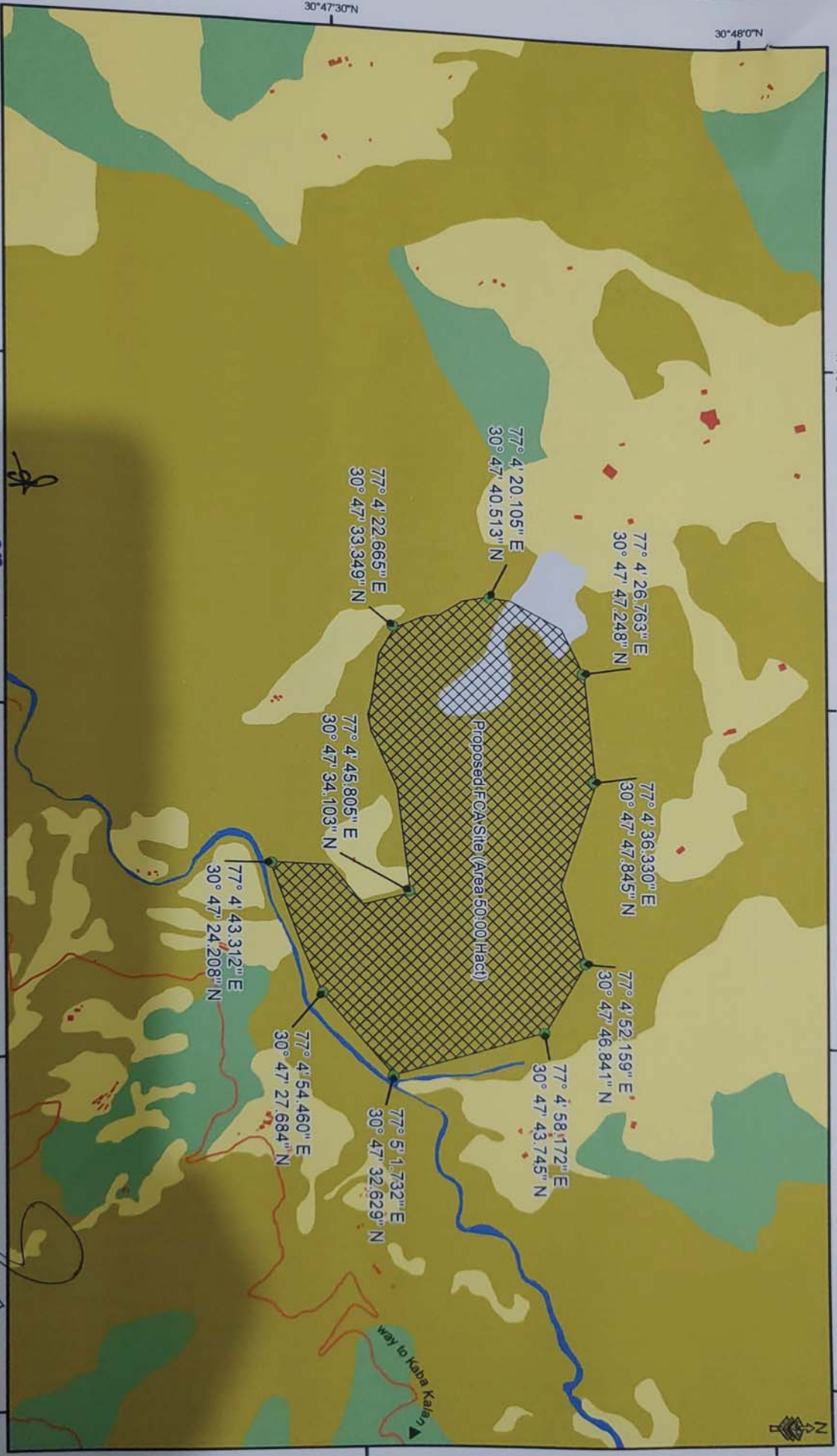
30°47'30"N

77°40'E

77°43'E

77°50'E

**Digital Landuse and Landcover Map of Proposed CA Site at D-216 Bhallon (Area 50.00 Hact.) Dharmpur Forest Range, Solan Forest Division**  
 In Respect of Sunni Dam HEP (382 MW) SJVNL



**Legend**

- Co-ordinates
- Proposed FCA Site (Area 50.00 Hact)
- Landmarks
- Bullup Area
- Road
- Agriculture Land
- Drainage
- Green Cover
- Plantation
- Shrubs
- Open Land / Waste Land

**Scale:** 125, 250, 500, 1000 Meters

**Administrative Information:**  
 DIMENSIONAL FOREST OFFICE, Solan (H.P.)  
 Range Forest Office, Dharmpur Forest Range  
 Dharmpur, Distt. Solan (H.P.)

**Project Information:**  
 Sr. AGM (Forest & Forest Deptt.)  
 LHEP-II/SDHEP  
 SJVNL Ltd. Sunni  
 Distt. Shimla - 171301



# Digital Toposheet Map of Proposed CA Site at D-216 Bhallon (Area 50.0 Hact.) Forest Range Dharrampur, Solan Forest Division in Respect of Sunni Dam HEP (382 MW) SJVNL

