

**Folder - 3**

**Kotgarh**

**CHECK-LIST**  
**OF**  
**DOCUMENTS/INFORMATION REQUIRED FOR PROPOSAL**  
**FOR DIVERSION OF FOREST LAND FOR NON FORESTRY USE**  
**UNDER FOREST (CONSERVATION) ACT, 1980**

**FOR STAGE-I APPROVALS**

**I Documents/Information Required for All Proposals**

S.No.	Name of the Document (s)	Provided or Not	If not Provided Why?	Page Number
1	Check-list of the project proposal	Yes		1-7(a)
2	Demand letter of the project authority/ applicant, if submitted.	Yes		8
3	Main application form from Part-I to V as prescribed in the Rules under the FCA with all its columns duly filled up and signed by the competent authority with date, place and official seal. All the information in Part-I of Form-A including item-wise breakup of the forest area required, must be given in the form itself by expanding the columns	Yes		9-26
4	Detailed note on the project. It must include the information regarding the number of villages and number of persons to be benefited from the project including employment generation.	Yes		27-29
5	Map of the project site/forest area required clearly showing forest boundaries and adjoining areas with their land use in distinct colours in 1:50000 or any suitable scale on original Survey of India topo sheet. If the area is very small, in addition to above, an index map may be submitted showing forest boundaries and a location map on a larger scale with land use of the area required duly signed by DFO/CF concerned.	Yes		30-31
6	Layout plan of project site approved by competent authority. In case of linear diversion of forest land, linear map or a diagrammatic map of the project site should be enclosed.	Yes		32

*[Handwritten Signature]*

7	Statement showing the details of forest area involved i.e. Survey No. /Coupe No. /Compartment No., etc., and item-wise breakup of the forest area proposed for diversion duly signed by DFO (in the prescribed format).	Yes		33-43
8	Statement showing the details of non-forest area involved in the proposal (in the prescribed format).	Yes		44-66
9	Certificate from the Collector/Deputy Commissioner that no alternative suitable non-forest land is available for the project in question.	Yes		67-84
10	Justification for locating the project in forest area to be submitted by User Agency and countersigned by DFO.	Yes		85-86
11	Certificate for minimum use of forest land to be submitted by the User Agency, giving details of area and trees involved in the alternatives examined and reasons for their rejection duly countersigned by DFO (in the prescribed format).	Yes		87-90(A)
12	Undertaking by the User Agency to bear the cost of compensatory afforestation duly counter signed by the DFO (in the prescribed format).	Yes		91
13	Undertaking by the User Agency to pay the Net Present Value (NPV) of the forest land involved duly countersigned by DFO (in the prescribed format).	Yes		92-93
	Undertaking by the User Agency to pay the Additional Net Present Value (NPV), if any, of the forest land involved duly countersigned by DFO (in the prescribed format) as decided at a later date as per the decision of the Supreme Court.	Yes		94
14	A certificate from the competent authority in the State in the prescribed (vide MoEF letter No. 11-9/98-FC (pt.) dated 5 <sup>th</sup> July 2013) format that all forest rights under the Forest Rights Act, 2006 have been settled in respect of the forest area proposed for diversion, wherever applicable.  In case, the process for settlement of rights under FRA has not been initiated, grant of stage-I approval under the FCA to the proposal will be considered only if a certificate from the competent authority concerned, clearly stating that the process for settlement of rights under the FRA has not been initiated along with evidences	Yes	UNDERTAKING DUE TO UNDER PROCESS	95

Yes

	supporting that settlement of rights under the FRA will be initiated and completed before the final approval, is enclosed with the proposal (vide F. No. 11-179/2012-FC Dated: December 20, 2013).			
15	Species-wise and girth class-wise enumeration list and abstract of trees (abstract to be given at the end of the list) standing on the forest area in question neatly typed or computerized and duly signed by DFO.	Yes		96-97
16	Site inspection report of the forest area involved in the project proposal by the DFO concerned or higher level forest officer in prescribed format (in the prescribed format).	Yes		98
17	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 (in the prescribed format).	Yes		99-134
18	Detailed scheme for compensatory afforestation on identified non-forest area/degraded forest area, as the case may be, at prevalent wage rates duly signed by DFO and countersigned by the CF concerned. The CA scheme must include all the technical details, details of work schedule, total financial outlay and proposed monitoring mechanism (in the prescribed format).	Yes		135-138
19	Certificate from the DFO, that non-forest land selected for compensatory afforestation is in a compact block and contiguous to forest area or in close proximity of forest area and suitable from the management and protection point of view.	N/A	-	-
20	Suitability certificate from the Divisional Forest Officer that the land identified for compensatory afforestation is suitable for raising plantation (in the prescribed format).	Yes		139.
21	Certificate from the Chief Secretary regarding non-availability of non-forest land in the state for raising compensatory afforestation, wherever applicable. This certificate will be based on the certificate signed by the DFO and Deputy Commissioner/Collector of the district concerned about non-availability of such non-forest land.	Yes		140-142
22	In case of proposal which requires entry/exit through Protected Forest strips along			

1/15

	roads/railway lines/canals, the following information/documents must be given :-  a) No Objection Certificate (NOC) of the land owning agency i.e. NHAI/PWD, Railways or Canal/ Irrigation Department b) Change of Land Use certificate from Town and Country Planning/ any other competent authority.	N.A	-	-
23	For the projects involving forest land for construction of buildings/right of way for buildings, the built-up area, details of DG sets to be installed, and raw materials to be used (in case of industries) should be clearly mentioned.	N.A	-	-
24	Status of clearance under Environment (Protection) Act, 1986, wherever required.	YES		143.
25	NOC of the State Pollution Control Board for establishment of the project, wherever required.	N.A	-	-
26	Detailed scheme for rehabilitation of project affected persons, wherever required.	YES		144-148
27	Detailed Catchment Area Treatment Plan, wherever required. The CAT Plan should be prepared on the basis of actual survey of area and its classification in various categories requiring different engineering/ afforestation and other treatments in phased manner.	YES	UNDERTAKING DUE TO UNDER PROCESS.	149
28	Detailed Reclamation Plan, wherever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colours. It should also include the details of back fillings, afforestation and execution of such works, wherever required.	No/Proposed Dumping site fall within the jurisdiction of Shimla Forest Division. Hence plan and Dumping site layout/undertaking attached!		150-216
29	Cost benefit analysis as per the guidelines issued under forest (Conservation) Act, 1980 in prescribed format, wherever required.	YES		217-220.
30	Any other information/documents necessary for giving clarifications on the project, may be specified and attached.			

<b>II</b>	<b>Documents/Information Required for Proposals for Roads, Railway Lines, Canals and Transmission Lines</b>		
31	The following information/documents must be given :- a) Length and width of Road/Railway line/ Canal/ Transmission line passing through forest and non forest area. b) In case of expansion of already		yes

*[Handwritten signature]*

	<p>existing road/railway line/canal, linear plan clearly showing in distinct colours the already existing road (from beginning to end), the width of the proposed road/railway line/canal to be expanded, and the remaining width of the Protect Forest strip, if any, which would be left after expansion.</p> <p>c) In case of transmission line, the following details <b>may also</b> be given :-</p> <p>i) Number of towers to be erected both in forest and non forest area.</p> <p>ii) Width of the right of way for transmission line.</p>			
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<b>III Documents/Information Required for Proposals for Hydro Electric Projects</b>				
32	<p>The following information/document must be given :-</p> <p>a) Component-wise total area requirement</p> <p>b) Copy of Memorandum of Understanding</p> <p>c) Copy of Techno-Economic Clearance</p> <p>d) Copy of Implementation Agreement</p> <p>e) NOC from Irrigation and Public Health Department</p> <p>f) NOC from Fisheries Department</p> <p>g) Authorization to the applicant by the Project Authority</p>	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	<p>UNDERTAKING</p>	<p>221-222</p> <p>223-227</p> <p>228-230</p> <p>231</p> <p>232-235</p> <p>236</p> <p>237</p>
	<p>Any other information/documents necessary for giving clarifications on the project may be specified and attached.</p> <p>1) Allotment letter of GoHP</p> <p>2) Joint Inspection Report</p> <p>3) Copy of FORM-A (As submitted to online to Nodal officer-cum -APCCF (PCA), Shimla</p> <p>4) NOC from HPPWD department.</p> <p>5) NOC for Wild life Shimla.</p> <p>6) NOC from Language and culture department</p> <p>7) Certificate regarding Non-Falling of the project and its entire Component in tribal area.</p> <p>8) Online submitted to Nodal officer-cum-APCCF.</p> <p>9) Salient feature of Sunni Dam HEP.</p> <p>10) Short Narrative of the Proposal and Project/Scheme</p> <p>11) NOC from Gram Panchayat for establishment of the Project.</p> <p>12) Revenue papers of Forest Land proposed for diversion.</p>	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>-</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>		<p>238-245</p> <p>246-253</p> <p>254-258</p> <p>259</p> <p>260-261</p> <p>262-263</p> <p>264-267</p> <p>268</p> <p>269-279</p> <p>280-306</p>

IV	<b>Documents/Information Required for Proposals for Mining</b>			
33	<p>The following information/documents must be given :-</p> <p><b>I New Proposals</b></p> <p>a) Certificate from the competent authority like District Mining Officer/Geologist, regarding non-availability of the same mineral/ore in the nearby non-forest area.</p> <p>b) Estimated reserve of each mineral/ore in the forest area and non-forest area.</p> <p>c) Total area demanded and extent of forest area involved in the proposed</p>			
	<p>mining lease shown in distinct colours on relevant maps</p> <p>d) Proposed period of mining lease.</p> <p>e) Minimum distance of the proposed site from Wildlife Sanctuary and National Park.</p> <p>f) A copy of the mining plan duly approved by IBM, Nagpur.</p> <p>g) Phased reclamation plan of the project area.</p> <p>h) Copy of lease deed/agreement entered into with the district authorities.</p> <p>i) The details of Safety Zone Area for the mining as per para 4.7 of the guidelines. The undertaking from the project authority to bear the cost of fencing of safety zone area and afforestation over one and half times of degraded forest area. The details of safety zone to be ascertained by the competent authority viz. Indian Bureau of Mines/ Deptt. of Geology and Mining of the State Government.</p>			

*W/Man*

	<p><b>II) In case of renewal of Mining Lease</b></p> <p>a) A brief profile of the lessee/ company should be submitted giving details of their existing mining leases in the State with their capacity of production, the present level of average annual production, location of these pits and the status of reclamation of forest land that are exhausted of minerals.</p> <p>b) Complete details of existing or proposed leases in that particular forest area with their present status should be indicated on the Survey of India Topo-sheet in appropriate scale</p> <p>c) The State Government shall forward the complete proposal to the RO/MoEF at least six months prior to the expiry of the existing lease. In case of any delay, a details report Elaborating the causes of delay shall be forwarded along with the proposal.</p> <p>d) A resolution of Gram Panchayat/ Local Body of the area endorsing the proposal that the project is in the interest of the people living in and around the proposed forest land.</p>			
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Nil

V	<b>Documents/Information Required for Proposals for Retail Outlets of an Oil Companies</b>		
34	<p><i>The following information/ documents must be given :-</i></p> <ul style="list-style-type: none"> <li>a) Copy of letter of intent issued by the oil Company.</li> <li>b) Site selection certificate as per Govt. of India guidelines. The DFO should certify the distance between two retail outlets on either side of the outlet in question.</li> <li>c) Layout plan showing dimensions of proposed approach road for entry and exit with clear area calculations.</li> <li>d) Map clearly indicating the directions of the road leading from....to.....</li> <li>e) The area calculations for the curves should invariably be given in the layout plan.</li> <li>f) NOC from NHA/PWD/Urban or local body</li> <li>g) NOC from Town and Country Planning/ local body</li> <li>h) Certificate by User Agency to the effect that no High Tension line passing above the proposed site duly countersigned by DFO</li> <li>i) A Certificate by User Agency to the effect that no LP Gas godown is located near the proposed site duly countersigned by DFO</li> </ul>		

Date...10/01/2020

Place...Kotgarh.

  
 (Vikalp Yadav, JFS)  
 Deputy Conservator of forest  
 Deputy Conservator of Forests,  
 Forest Division, Kotgarh  
 Kotgarh Forest Division, H.P.

Countersigned by  
 Conservator of Forests



**Full title of the project: Sunni Dam Hydro-Electric Project (382 MW).**

**File No.:**

**Date of proposal:**

**FORM-A**

Form for seeking prior approval under section-2 for the proposals by the State Government and other authorities.

**PART-I**

**(TO BE FILLED UP BY USER AGENCY)**

S. No.	Project details	
(i)	Short narrative of the proposal and Project/Scheme for which the forest land is required.	<p>The proposed Sunni Dam Hydroelectric project is situated on Satluj River near Khaira Village in Shimla/Mandi districts of Himachal Pradesh. Dam is located at Lat. 31° 14' 53" N and Long. 77° 12' 39" E.</p> <p>On the upstream of the project lies the 412 MW Rampur HPS, which utilizes water discharged from the further upstream 1500 MW Nathpa- Jhakri project. On the Downstream of Sunni Dam Hydroelectric project, lies the 800 MW Kol Dam HPS (FRL 642 m). In between Rampur HPS and proposed Sunni Dam Project, Luhri HEP Stage-I (nearly 50 km upstream) and Luhri Hydroelectric Project Stage -II (Between LHEP-I &amp; Sunni Dam) are also proposed.</p> <p>The Project is conceived as a run of the river type development proposed to harness the hydel potential of river Satluj. The project envisages construction of a concrete gravity dam across river Satluj near Khaira village and underground power house on the right bank.</p> <p>A 471m high, concrete gravity dam from av. River Bed level 644m, with integral 6 nos. gated spillways having size of 8.5m (W) X 15.0m (H) have been proposed. The Full Reservoir Level has been kept at 712.0 m and Minimum Draw Down Level at El. 709.50m. The length of the dam at top shall be 184.42 m.</p> <p>Underground power house having size of 185.42 m (L) x 22.0 m (W) x 48.36 m (H) shall be provided on right bank with installed capacity of 382 MW (4 x 73 MW – Main Units, 1 x 73 MW+ 1 x 17 MW- Environmental Units) with Francis turbines. The scheme would utilize a gross head of 59.97m. The power house cavern is proposed ±200m inside the hill with a top cover of ±300m.</p> <p>The project is estimated to cost 2555.71 Cr. including IDC and financing charges at June, 2019 price level. The Annual energy of the project calculated as 1381.77 GWh. The tariffs for the project are as below: 1st year Tariff 4.53/kWh, Levelised Tariff 4.16/kWh. The construction period of the project has been proposed as 4 years &amp; 7 months.</p>

  
**Deputy Conservator of Forests,**  
 Kangra Forest Division, H.P.

  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

		<p>The diversion of total 397.8863 ha of forest land for the Project (159.3484 ha in Shimla Forest Division (158.6684 ha open surface area + 0.6800 ha underground/Notional area) + 37.3859 ha in Kotgarh Forest Division + 201.1520 ha (197.9575 ha open surface area + 3.1945 ha underground/Notional area) in Karsog Forest Division) in various Khasra Nos. as per check List-07 showing details of forest land proposed for diversion, is required for establishment of Sunni Dam HEP located in Northern Power region.</p> <p>As per directions of forest department, the additional forest land (Khasra No. 322/1 (pertaining to private owner but status recorded as BANI as per revenue Records) under Karsog Forest Division has also been added in the proposal.</p>
(ii)	Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.	The map on 1:50000 scale showing the required forest area, boundary of adjoining forests is attached. <i>Page - 30-31</i>
(iii)	Cost of Project	The project is estimated to cost 2555.71 Cr. including IDC and financing charges at June, 2019 price level. The preliminary cost estimate of the project has been prepared as per guidelines of CEA / CWC.
(iv)	Justification for locating the project in forest area.	<p>The State of Himachal Pradesh has vast hydroelectric power potential in its five major rivers. The rivers and their tributaries with steep gradient continue to challenge planners and engineers for optimal exploitation of hydropower potential. Numbers of hydroelectric projects are under execution in the state by state, central, joint and private sector developers. The only strategy that is being followed in Himachal Pradesh for exploitation of hydroelectric power resources is to produce as much energy as possible, with minimum cost and less negative impacts on environment. The rapid generation of hydroelectric power as per its potential will definitely improve the economic health of the state because 12 percent free power plus 1 % LADF on all new installations will increase the resources of the state to a significant extent. The need for the project also rises from the need to fulfill a steady increase in peak electricity demand and the growing energy deficit in the Northern Region.</p> <p>Various proposals were considered for harnessing the available potential for this project. After considering the various proposals of Dam, HRT and Power House in LHEP, the present scheme with dam and Power House at village Khaira has been considered as the most viable proposal for Sunni Dam HEP from environmental, social and economic aspects. Efforts have been made to reduce the forest land as far as possible in the present proposal. More than 62 ha of private land has already been considered wherever possible for execution of this project. The detail of private land is also appended in this proposal.</p> <p>It is pertinent to mention here that the components of a hydroelectric project are eventually to be finalized as per the</p>

*Er. R.L. Negi*  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

*Deputy Conservator of Forests,*  
**Deputy Conservator of Forests,**  
**Kotgarh Forest Division, H.P.**

		<p>geological conditions of the area and cannot be shifted. Therefore, Dam, Diversion Tunnel and underground power house have to be fixed as per the topography and geology of the area. But still where ever possible various project components like dumping areas, residential colony and offices have been proposed to be located in private land.</p> <p>The locations of all project components have already been inspected by the concerned SDMs, DFOs and other Government Officers during <b>Joint Inspection</b> of site.</p> <p>There is no scope for avoidance of Govt./forest land and diversion of total <b>397.8863 ha</b> of forest land for the Project (<b>159.3484 ha</b> in Shimla Forest Division (158.6684 ha open surface area+0.6800ha underground/Notional area) + <b>37.3859 ha</b> in Kotgarh Forest Division + <b>201.1520 ha</b> (197.9575ha open surface area+3.1945ha underground/Notional area) in Karsog Forest Division) of Govt./forest is bare minimum and cannot be escaped.</p>																																													
(v)	Cost benefit analysis (to be enclosed)	Enclosed Page - 27-220																																													
(vi)	Employment likely to be generated.	About 56,57,500 person-days will be generated directly as a result of establishment of this Project in addition to permanent/ regular employment for about 200 persons. Many indirect opportunities of employment will also come up with the establishment of the project in the surrounding area.																																													
2.	Purpose wise breakup of total land required. (In Rampur, Kotgarh & Anni Forest Divisions)	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Component</th> <th>Forest land (ha)</th> <th>Private land (ha)</th> <th>Total (ha)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Reservoir</td> <td>337.6145</td> <td>45.0098</td> <td>382.6243</td> </tr> <tr> <td>2</td> <td>Dam, Power House, Road and Bridge</td> <td>39.1249</td> <td>1.0148</td> <td>40.1397</td> </tr> <tr> <td>3</td> <td>Quarry site</td> <td>10.3264</td> <td>0.0000</td> <td>10.3264</td> </tr> <tr> <td>4</td> <td>Dumping sites</td> <td>4.5576</td> <td>6.4255</td> <td>10.9831</td> </tr> <tr> <td>5</td> <td>Colony site</td> <td>0</td> <td>8.9541</td> <td>8.9541</td> </tr> <tr> <td>6</td> <td>Underground/ Notional area for Power House &amp; D/Tunnel</td> <td>3.8745</td> <td>0</td> <td>3.8745</td> </tr> <tr> <td>7</td> <td>Road to Quarry</td> <td>2.3884</td> <td>0</td> <td>2.3884</td> </tr> <tr> <td></td> <td><b>Total</b></td> <td><b>397.8863</b></td> <td><b>61.4042</b></td> <td><b>459.2905</b></td> </tr> </tbody> </table>	S. No.	Component	Forest land (ha)	Private land (ha)	Total (ha)	1	Reservoir	337.6145	45.0098	382.6243	2	Dam, Power House, Road and Bridge	39.1249	1.0148	40.1397	3	Quarry site	10.3264	0.0000	10.3264	4	Dumping sites	4.5576	6.4255	10.9831	5	Colony site	0	8.9541	8.9541	6	Underground/ Notional area for Power House & D/Tunnel	3.8745	0	3.8745	7	Road to Quarry	2.3884	0	2.3884		<b>Total</b>	<b>397.8863</b>	<b>61.4042</b>	<b>459.2905</b>
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3	Details of displacement of people due to the project, if any																																														
(i)	Number of families	10 (Ten)																																													
(ii)	Number of scheduled casts/schedules tribe families.	2 (two)																																													
(iii)	Rehabilitation plan (to be)	The work for SIA (Social Impact Assessment) study for Sunni																																													

  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

	enclosed)	Dam project will be carried out through HIPA, GoHP. In the said state Govt. Social Impact Assessment Report, detailed R&R (Rehabilitation and Resettlement) Plan shall also be deliberated. The copy of approved R&R Plan will be provided as soon as it is approved by Government of Himachal Pradesh.																																								
4.	Whether clearance under Environment (Protection) Act, 1986 required?	Yes. EC under process.																																								
5.	Undertaking to bear the cost of raising and maintenance of compensatory afforestation/ additional compensatory afforestation as well as cost of protection and regeneration of Safety Zone, etc. as per the scheme prepared by the State Government (undertaking to be enclosed)	Undertaking enclosed. Page - 9\																																								
6.	Details of certificates/ documents enclosed as per instructions.	<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Documents Attached</th> </tr> </thead> <tbody> <tr><td>1</td><td>Allotment letter of GoHP</td></tr> <tr><td>2</td><td>Consent letter of GoHP</td></tr> <tr><td>3</td><td>Joint inspection reports</td></tr> <tr><td>4</td><td>Certificate for minimum use of forest land.</td></tr> <tr><td>5</td><td>Authorization to the applicant by the project authority.</td></tr> <tr><td>6</td><td>Revenue Papers of forest land proposed for diversion</td></tr> <tr><td>7</td><td>Undertakings for NPV/CA etc.</td></tr> <tr><td>8</td><td>Copy of form-A (As submitted online to Nodal officer-cum-APCCF (FCA), Shimla.</td></tr> <tr><td>9</td><td>NOCs From HPPWD Deptt.</td></tr> <tr><td>10</td><td>NOC from wild life Shimla.</td></tr> <tr><td>11</td><td>NOC from language and culture Department</td></tr> <tr><td>12</td><td>NOCs From I&amp;PH Deptt.</td></tr> <tr><td>13</td><td>Salient features of the Project</td></tr> <tr><td>14</td><td>Certificate regarding non-falling of project &amp; its entire component in Tribal Area.</td></tr> <tr><td>15</td><td>Certificates of DC Shimla and DC Mandi regarding non-availability of non- forest land for CA in Shimla, Kotgarh &amp; Karsog forest divisions of Distt. Shimla &amp; Distt. Mandi.</td></tr> <tr><td>16</td><td>Email regarding Acceptance of proposal by nodal officer-cum-CCF (FCA), Shimla.</td></tr> <tr><td>17</td><td>Short Narrative of the proposal and project/Scheme.</td></tr> <tr><td>18</td><td>Alternate studies carried out of various major component of the project</td></tr> <tr><td>19</td><td>NOCs from Gram Panchayats for establishment of the project.</td></tr> </tbody> </table>	Sr. No	Documents Attached	1	Allotment letter of GoHP	2	Consent letter of GoHP	3	Joint inspection reports	4	Certificate for minimum use of forest land.	5	Authorization to the applicant by the project authority.	6	Revenue Papers of forest land proposed for diversion	7	Undertakings for NPV/CA etc.	8	Copy of form-A (As submitted online to Nodal officer-cum-APCCF (FCA), Shimla.	9	NOCs From HPPWD Deptt.	10	NOC from wild life Shimla.	11	NOC from language and culture Department	12	NOCs From I&PH Deptt.	13	Salient features of the Project	14	Certificate regarding non-falling of project & its entire component in Tribal Area.	15	Certificates of DC Shimla and DC Mandi regarding non-availability of non- forest land for CA in Shimla, Kotgarh & Karsog forest divisions of Distt. Shimla & Distt. Mandi.	16	Email regarding Acceptance of proposal by nodal officer-cum-CCF (FCA), Shimla.	17	Short Narrative of the proposal and project/Scheme.	18	Alternate studies carried out of various major component of the project	19	NOCs from Gram Panchayats for establishment of the project.
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12	NOCs From I&PH Deptt.																																									
13	Salient features of the Project																																									
14	Certificate regarding non-falling of project & its entire component in Tribal Area.																																									
15	Certificates of DC Shimla and DC Mandi regarding non-availability of non- forest land for CA in Shimla, Kotgarh & Karsog forest divisions of Distt. Shimla & Distt. Mandi.																																									
16	Email regarding Acceptance of proposal by nodal officer-cum-CCF (FCA), Shimla.																																									
17	Short Narrative of the proposal and project/Scheme.																																									
18	Alternate studies carried out of various major component of the project																																									
19	NOCs from Gram Panchayats for establishment of the project.																																									

Date 22/9/2020

Place Bithal

B

  
Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

For &amp; on behalf of SJVN Ltd

  
Authorized Signatory  
(Name & Designation)  
CGM/Head of Project  
SJVN, LHEP, Bithal

**FORM - A**

Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for  
Diversion of fresh forest area

**PART - I**  
(To be filled up by User Agency)

**A. General Details****A-1. Project Details**

(i). Proposal No. : FP/HP/HYD/31019/2017

(ii). Name of Project for which Forest Land is required : Sunni Dam Project

(iii). Short narrative of the proposal and Project/scheme for which the forest land is required :  
Sunni Dam Hydro Electric Project is a run of the river type development proposed to harness the hydel potential of river Satluj. The project envisages construction of a concrete gravity dam of 195 m high above deepest foundation level across river Satluj near Khaira village and underground power hou

(iv). State : Himachal Pradesh

(v). Category of the Project : Hydel

(vi). Shape of forest land proposed to be diverted : Non Linear

(vii). Estimated cost of the Project(Rupees in lacs) : 255571

(viii). Total Area of Forest Land proposed for diversion(in ha.): 397.8863

(ix). Non-Forest Land required for this project(in ha.): 51.4042

(x). Total period for which the forest land is proposed to be diverted(in years): 50

**A-2. Details of User Agency**

(i). Name : SJVN LIMITED

(ii). Address1 : Sunni Dam Hydro Electric Project, SJVN Ltd., Bithal, Shimla

(iii). Address2 : NIL

(iv). State : Himachal Pradesh

(v). District : Shimla

(vi). Pin : 172030

Er. R.L. Nogi  
CGM/Head of Project  
SJVN, LHEP, Bithal  
Deputy Conservator of Forests,  
Kohliari Forest Division, H.P.

(xiv). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency;

## B. Details of land required for the Project

B-1. Details of proposal seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

List of proposal submitted in Past							
S.no	Proposal Status,	Proposal No.	Moef File No.	Area Proposed for Diversion(Ha.)	Area Diverted(Ha.)	Date of In-Principle Approval	Date of Final Approval
NIL							

B-2. Details of forest land proposed to be diverted

B-2.1 Details of Divisions involved

Details of Divisions involved			
S.no	Division Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Shimla(Shimla)	156.3464	48.4024
2.	Kotgarh	37.3859	1.1843
3.	Kangra	201.132	11.8975

B-2.2 Details of Districts involved

District wise breakup			
S.no	District Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Shimla	156.7343	49.5067
1.	Handi	201.152	11.8975

B-2.3 Village wise breakup

Villages wise breakup			
S.no	Village	Forest Land(ha.)	Non-Forest Land(ha.)
1	Jeechi	18.7667	3.7634
2	Bharara	17.5283	5.1109
3	Khara	21.0588	9.9669
4	Underground/ Notional in Khara	0.58	0
5	Linsu	4.5576	3.1672
6	Mungana	0	3.2583
7	Bathouri	7.2771	3.8062
8	Pandoya	15.0423	0.4448
9	Grehana	5.5505	0.6941
10	Talsh	21.5863	3.2225
11	Ogli	22.1594	4.7889
12	Kothi	6.3146	0.5522

*K. Singh*

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, BIL  
 Deputy Conservator of Forests,  
 Forest Division, H.P.

6.	2.0605	 View File
7.	3.68	 View File

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 

#### Division 2. : Kotgarh

(i). Area of forest land proposed to be diverted (in ha.) : 37.3859

(ii). : Non Linear

(a). No. of patches : One

Patch wise details		
Patch No.	Area of Patch (in ha.)	Kml File of Patches
1.	37.3859	 View File

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 

#### Division 3. : Karsog

(i). Area of forest land proposed to be diverted (in ha.) : 201.152

(ii). : Non Linear

(a). No. of patches : Four

Patch wise details		
Patch No.	Area of Patch (in ha.)	Kml File of Patches
1.	20.038	 View File
2.	3.1945	 View File
3.	168.2595	 View File
4.	9	 View File

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 

*Handwritten signature*

Dr. P.C. Negi  
 CGM/Head of Forest  
 Kotgarh Forest Division, H.P.

Deputy Conservator of Forests,  
 Kotgarh Forest Division, H.P.

(j). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No

J. Applicability of special provisions governing Scheduled Areas

(j). Whether the Project or a part thereof is located in a Scheduled Area? : No

K. Status of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted

(k). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : Yes

(a). Copy of documentry evidence in support of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted:

L. Details of land identified for Compensatory Afforestation

(l). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable

(m). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted? : Not Applicable

(n). Reason for not providing Non-Forest Land: Not Applicable

M. Hydel/Irrigation/Multipurpose Project

(o). Installed power generation capacity of the Project(in MW): 382

(p). Total command area of the Project(in ha.): 459,2905

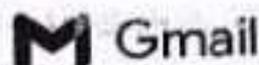
(a). Copy of the approval of competent authority to the Catchment Area Treatment Plan (CAT Plan):

(b). Copy of the approved CAT plan:

Additional information Details

Documents		
S.No	Documents	Remarks
1	<input checked="" type="checkbox"/>	Forwarding letter to Nodal Officer regarding allocation raised on 02.01.2018
2	<input checked="" type="checkbox"/>	NOCs regarding Compensatory afforestation
3	<input checked="" type="checkbox"/>	NOCs regarding non

forestsdearance.nic.in/indimv/Useragencyreport.aspx?pd=FPV/HFR/YD/310382017



Environment Department Luhri HEP Bithal &lt;envqcsafetyhep@gmail.com&gt;

## Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal

1 message

Sat, Oct 24, 2020 at 3:12 PM

monitoring-fc@nic.in <monitoring-fc@nic.in>  
 To: envqcsafetyhep@gmail.com  
 Cc: monitoring-fc@nic.in

This is to acknowledge that a proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980 as per the details given below has been successfully reuploaded on the portal of the Ministry of Environment, Forest and Climate Change Government of India.

- |  |                        |
|--|------------------------|
| <b>1. Proposal No.</b>                               | : FP/HP/HYD/31019/2017 |
| <b>2. Proposal Name</b>                              | : Sunni Dam Project    |
| <b>3. Category of the Proposal</b>                   | : Hydel                |
| <b>4. Date of Submission</b>                         | : 27/12/2017           |
| <b>5. Name of the Applicant with Contact Details</b> |                        |
| <b>Name</b>  | : R                    |
| <b>Mobile No.</b>                                    | : 8988165955           |
| <b>State</b>   | : Himachal Pradesh     |
| <b>District</b>                                      | : Shimla               |
| <b>Pincode</b>                                       | : 172030               |
| <b>6. Area Applied (ha.)</b>                         | : 307.8863             |

The same has been forwarded to DFO for the processing.

(System Administrator)

\*\*\* This is a system generated email, please do not reply. \*\*\*

  
 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

Deputy Conservator of Forests,  
 Kotgarh Forest Division, H.P.

Full Title of the Project: Sunni Dam Hydro Electric Project

File No. \_\_\_\_\_

Date of Proposal \_\_\_\_\_

**PART-II**

(To be filled by the concerned Deputy Conservator of Forests)

State Serial No. of Proposal \_\_\_\_\_

7. Location of the Project/schema:

- (i) State/Union Territory Himachal Pradesh
- (ii) District Shimla
- (iii) Forest Division Kotgarh
- (iv) Area of Forest land proposed for diversion (in ha) 37,3859 ha
- (v) Legal status of the Forest UPF
- (vi) Density of vegetation 0.1

(vii) Species-wise (Scientific names) and diameter class-wise enumeration of trees to be enclosed in case of irrigation/hydel projects enumeration at FRL-2 meter & FRL-4 meter also to be enclosed. Attached at page No 96-97

(viii) Brief note on vulnerability of the forest area to erosion. No danger of soil erosion within the proposed land.

(ix) Approximate distance of proposed site for diversion from the boundary of forests. 2 Km

(x) Whether forms part of a nation park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc. (if so, the details of the area, and comments of the chief Wildlife Warden to be annexed). No.

(xi) Whether any rare/endangered/unique species of flora and fauna found in the area if so details thereof. No.

(xii) Whether any protected archaeological/heritage site/defense establishment or any other important monument is located in the area. If so details thereof with NOC from competent authority. No.

8. Whether the requirement of forest land as proposed by the user agency in Co.2 of part-I is unavoidable and barest minimum for the project, if no, recommended area item wise with details of alternatives examined.

**YES**

9. Whether any work in violation of various Forest Acts has been carried out (Yes/No). If yes, details of the same including period of work done action taken against the erring officials. Whether work done in violation is still in progress.

10. Details of compensatory afforestation scheme No

- (i) Details of non-forest area/ degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch. Attached at page No 99
- (ii) Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries. Attached at page No 101-134
- (iii) Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc. Attached at page No 135-138
- (iv) Total financial outlay for compensatory afforestation scheme. Rs. 2,65,52,300/-
- (v) Certificate from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view. (To be signed by the concerned italics Deputy Conservator of Forests). Attached at page NO. 133

11. Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col.7 (i, ii), 8 and 9 above.

12. Division/ District profile: Attached (Page No. 98)

- (i) Geographical area of the district 27090 Ha.
- (ii) Forest area of the district ~~5222475 Ha.~~
- (iii) Total forest area diverted since 1980 with number of cases. 13079.28 Ha.
- (iv) Total compensatory afforestation stipulated in the district/division since 1980 as on 31.12.2019 32No. 41-26-83 ha.
  - a. Forest land including penal compensatory afforestation. 93.70 ha.
  - b. Non Forest land. NIL.
- (v) Progress of compensatory afforestation as on (date) 31.12.2019
  - (a) Forest land. 80.70 Ha.
  - (b) Non-Forest land. NIL.

13. Specific recommendations of the DCF for acceptance or otherwise of the proposal with reason.

**Recommended for favour of approval under FCA 1980.**

Date: 13/02/2020

Place: Kotgarh

Signature  
  
 (Vikalp Yadav) IFS  
 Deputy Conservator of Forests,  
 Kotgarh Forest Division, HP.

**PART-II**

(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of proposal : HP-0107/2018

## 1. Location of the project/Scheme : Himachal Pradesh

- (i) State / Union Territory : Himachal Pradesh  
 (ii) District : Shimla, Mandi  
 (iii) Forest Division : Shimla (Shimla), Kotgarh, Karsog  
 (iv) Area of forest land proposed for diversion (in ha.) : 397.8863  
 (v) Category : Hydel

## 2. Legal status of forest land proposed for diversion :

S. No.	Division	Forest Land (ha.)	Legal Status
1	Kotgarh	37.3859	Protected Forest
2	Shimla (shimla)	159.3484	Protected Forest
3	Karsog	200.4349	Protected Forest
4	Karsog	0.7171	Private Forest

## Division 1. : Karsog

## 1. District wise area to be diverted in the division :

S. No.	District	Area (ha.)
1	Mandi	201.152

## 4. Details of Vegetation available in the forest land proposed for diversion :

## (i) Density of vegetation

S. No.	Area (in ha.)	Density	Eco-Class
1	201.152	0.0897	Eco 5

## (ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Dalburgia Sissoo	Shisham	260	12	0	0	0	0
2	Bombax Ceiba	Sembal	12	2	0	0	0	0
3	Aegle Marmelos	Bil	93	0	0	0	0	0
4	Ficus Racemosa	Fegra	6	1	0	0	0	0
5	Ficus Religiosa	Pipal	9	0	0	0	0	0
6	Cassia Fistula	Amaltash	779	11	0	0	0	0
7	Syzigium Cumini	Jamun	181	49	5	0	0	0
8	Melia Azadirachta	Dreak	21	0	0	0	0	0
9	Acacia Catechu	Khajr	211	4	0	0	0	0
10	Others	Sanan (Sarnanea)	390	53	0	0	0	0

		saman)						
11	Others	Chamroda (Ehretia laevis)	259	0	0	0	0	0
12	Others	Kangu (Heliconia Indica)	109	0	0	0	0	0
13	Others	Pechka (Anacardium occidentale)	4203	259	3	1	0	0
14	Others	Kakar (Pistecia Integrifolia)	212	22	1	0	0	0
15	Others	Khrak (Celtis australis)	274	1	0	0	0	0
16	Others	Kambal (Mallotus philippinensis)	605	5	0	0	0	0
17	Others	Bad (Salix alba)	903	323	14	9	0	0
18	Others	Matirsh (Terminalia elliptica)	64	1	0	0	0	0
19	Others	Kachnar (Bauhinia variegata)	151	0	0	0	0	0
20	Others	Ledra (Symplocos crataegoides)	208	6	0	0	0	0
21	Others	Ambla (Phyllanthus emblica)	273	1	0	0	0	0
22	Others	Biwal (Grewia optiva)	189	1	0	0	0	0
23	Others	Thus (Fraxinus xanthoxylodes)	16	2	0	0	0	0
24	Others	Bar (Zizyphus mauritiana)	104	0	0	0	0	0
25	Others	Tuni (Toona ciliata)	17	0	0	0	0	0
26	Others	Chulf (Prunus armeniac)	31	0	0	0	0	0
27	Others	Trembal (Ficus auriculata)	25	1	0	0	0	0
28	Others	Seersh (Albizzia chinensis)	96	2	0	0	0	0
29	Others	Chil (Pinus roxburghii)	2	0	0	0	0	0
30	Others	Khumbi (Careya arborea)	1	0	0	0	0	0
31	Others	Khardu (Flex dipyrena)	90	0	0	0	0	0
32	Others	Burn (nepata ciliaris)	1	0	0	0	0	0
33	Others	Besu (Zizyphus mauritiana)	2	0	0	0	0	0
34	Others	Daru (Punica granatum)	1	0	0	0	0	0

35	Others	Farsia (Grewia asiatica)	13	0	0	0	0	0
36	Others	Lesunia (Lucasna leucocephala)	27	0	0	0	0	0
37	Others	Falah (Acacia modesta)	5	0	0	0	0	0
38	Butea Monosperma	Palash	38	0	0	0	0	0
39	Others	Willow (Salix)	3	1	0	0	0	0
40	Others	Robinia (Robinia pseudoacacia)	4	0	0	0	0	0
41	Dendrocalamus Strictus	Bamboo	521	0	0	0	0	0
42	Others	Other Broad leave species	529	22	0	2	0	0

(iv) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-2 meter :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm
NIL								

(v) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-4 meter :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm
NIL								

5. Working plan prescription for the forest land proposed for diversion : Protection Working Circle

6. Brief note on vulnerability of the forest area to erosion :

The user agency has been given an undertaking that the bio engineering measures alongwith the construction of R/Walls & B/Walls as per the site to avoid erosion/landslides done

7. Approximate distance of the proposed site for diversion from boundary of forest(in km.) : 0

8. Significance of the forest land proposed for diversion from wildlife point of view :

(i). Details of wildlife present in and around the forest land proposed for diversion : Leopard, Black bear, Myna, Ghoral, Kakker, Monkey, Crow, Eagle, Red fox, Mouses, Parrot, Chakor, Wood cock, Duck

(ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No

(iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No

(iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : No

(v). Whether any rare/endangered/unique species of flora and fauna found in the area : No



15	24	10	UPF Jabo	Chowal	Whole	<a href="#">View file</a>
16	13	5.82	Non-Forest Land in Muhal Tundal	Seri	Khasara No.776/633	<a href="#">View file</a>
17	14	7.20	Non-Forest Land in Muhal Shanog	Seri	Khasara No. 385	<a href="#">View file</a>
18	15	11.08	Non-Forest Land in Muhal Teban	Seri	Khasara No.1674/1580	<a href="#">View file</a>
19	16	6.79	Non-Forest Land in Muhal Nanj	Seri	Khasara No.600	<a href="#">View file</a>
20	17	4.61	Non-Forest Land in Muhal Purana	Seri	Khasara No.845/843/839	<a href="#">View file</a>
21	18	9.71	Non-Forest Land in Muhal Dateha	Seri	Khasara No. 481	<a href="#">View file</a>
22	7	10.03	Non-Forest Land in Muhal Kehat	Seri	Khasara No. 474	<a href="#">View file</a>
23	8	3.23	Non-Forest Land in Muhal Khamarla	Seri	Khasara No.1431/134	<a href="#">View file</a>
24	9	15.37	Non-Forest Land in Muhal Khamarla	Seri	Khasara No.1452/1	<a href="#">View file</a>
25	10	14.24	Non-Forest Land in Muhal Khamarla	Seri	Khasara No.763	<a href="#">View file</a>
26	11	8.25	Non-Forest Land in Muhal Tundal	Seri	Khasara No.774/676	<a href="#">View file</a>
27	12	5.58	Non-Forest Land in Muhal Tundal	Seri	Khasara No.762	<a href="#">View file</a>

(iv) Copy of CA scheme details:

(v) Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using GPS or Total Station:

(vi) Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.:

Additional Information Details:

S. No.	Documents	Remarks
1		Bill of NPY Karsog Divn.

Division 2 : Kotgarh

3. District wise area to be diverted in the division :

S. No.	District	Area(ha.)
1	Shimla	37.3859

4. Details of Vegetation available in the forest land proposed for diversion :

(i) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	37.3859	0.1	Eco 6

(vi) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Eucalyptus	Safeda	38	2	0	0	0	0
2	Dalburgia Sisoo	Shisham	18	3	0	0	0	0
3	Grevia Robusta	Beul	2	0	0	0	0	0
4	Melia Azadirachta	Bakain	1	1	0	0	0	0
5	Ailanthus excelsa	Badd	3	1	0	0	0	0
6	Cassia Fistula	Sadnan	2	0	0	0	0	0
7	Cycas Circinalis	Padeora	1	2	0	0	0	0
8	Bauhinia Parviflora	Kachnar	1	0	0	0	0	0
9	Anacardium Occidentale	Pacheka	7	1	0	0	0	0
10	M. Champaca	Kakara	0	1	0	0	0	0
11	P. Nepalensis (Ser) Stendel	Beso	1	0	0	0	0	0

(vii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-2 meter :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
NIL								

(viii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-4 meter :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
NIL								

5. Working plan prescription for the forest land proposed for diversion :

The area of UPF Choprnala C-219 and UPF Benaharchar C-232 falls in Chl Working Circle.

6. Brief note on vulnerability of the forest area to erosion : No Danger of Soil erosion within the proposed land.

7. Approximate distance of the proposed site for diversion from boundary of forest(In km.) : 2

(a). Significance of the forest land proposed for diversion from wildlife point of view :

(i). Details of wildlife present in and around the forest land proposed for diversion : Monkey, Leopard & Wild boar

(ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No

(iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No

(iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : No

(v). Whether any rare/endangered/unique species of flora and fauna found in the area : No

9. Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any :

- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No

10. Comment as to the reasonability of the extent of the forest land proposed for diversion :

- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes

11. Details of violation(s), if any, committed :

- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No

12. Whether work in violation is still in progress(Yes/No) : No Data

13. Details of compensatory afforestation scheme :

(i). Patch wise details for Degraded Area (To be earmarked by DFO)

(ii). Total Financial Outlay for C.A(patch): 28554900

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	10	UPF	Kumarsain	C-207	 <a href="#">View file</a>
2	2	5	DPF	Kumarsain	C-17	 <a href="#">View file</a>
3	3	5	DPF	Kumarsain	C-18	 <a href="#">View file</a>
4	4	20	UPF	Kumarsain	C-218	 <a href="#">View file</a>
5	5	10	UPF	Kumarsain	C-214	 <a href="#">View file</a>
6	6	10	UPF	Kumarsain	C-233	 <a href="#">View file</a>
7	13	10	DPF	Kumarsain	CN-14	 <a href="#">View file</a>
8	14	10	DPF	Kumarsain	CN-12	 <a href="#">View file</a>
9	15	8	UPF	Kumarsain	C-218	 <a href="#">View file</a>
10	16	10	UPF	Kumarsain	C-207	 <a href="#">View file</a>
11	17	5	UPF	Kumarsain	C-256	 <a href="#">View file</a>
12	7	10	UPF	Kumarsain	C-231	 <a href="#">View file</a>
13	8	10	UPF	Kumarsain	C-233	 <a href="#">View file</a>
14	9	10	DPF	Kumarsain	C-32	 <a href="#">View file</a>
15	10	10	DPF	Kumarsain	CN-12	 <a href="#">View file</a>
16	11	7	UPF	Kumarsain	C-232	 <a href="#">View file</a>
17	12	10	UPF	Kumarsain	C-238	 <a href="#">View file</a>

(ii). Copy of CA scheme details: 

(iii). Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using GPS or Total Station: 

Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.:



Additional Information Details :

S. No.	Documents	Remarks
1		Part-II of Kotgarh Forest Division
2		Bill of NPV of Kotgarh Div.

Division 3. : Shimla(shimla)

3. District wise area to be diverted in the division :

S. No.	District	Area(ha.)
1	Shimla	159.3484

4. Details of Vegetation available in the forest land proposed for diversion :

(i) Density of vegetation

S. No.	Area(In ha.)	Density	Eco-Class
1	159.3484	0.0575	Eco 6

(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Others	Shisham Dalbergia sissoo.	1485	269	112	14	1	0
2	Others	Chil (Pinus roxburghii)	1	25	14	3	1	0
3	Others	BL	5230	816	539	95	15	29

(iii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-2 meter :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
NIL								

(iv) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-4 meter :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
NIL								

5. Working plan prescription for the forest land proposed for diversion :

U-4,5,10,13,14,19,21 and 24 are prescribed as plantation working circle as per working plan.

6. Brief note on vulnerability of the forest area to erosion : Slightly to soil erosion.

7. Approximate distance of the proposed site for diversion from boundary of forest (in km.) : 0.3

8. Significance of the forest land proposed for diversion from wildlife point of view :

(i). Details of wildlife present in and around the forest land proposed for diversion :  
Bulbul (Red vented Bulbul), Parakeet etc. Barbet.

- (ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No
- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No
- (iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : No
- (v). Whether any rare/endangered/unique species of flora and fauna found in the area : No

9. Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any :

- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No

10. Comment as to the reasonability of the extent of the forest land proposed for diversion :

- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes

11. Details of violation(s), if any, committed :

- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No

12. Whether work in violation is still in progress(Yes/No) : No Data

13. Details of compensatory afforestation scheme :

(i). Patch wise details for Degraded Area (To be earmarked by DFO)

(ii). Total Financial Outlay for C.A(acs): 33424878

#### Patch Wise Details

S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	10	D-8 Bhagat	Nankhari	D-8 Bhagat	 <a href="#">View file</a>
2	2	12	UPF Chari	Nankhari	UPF Chari	 <a href="#">View file</a>
3	3	25	UPF Batuna	Rampur	UPF Batuna	 <a href="#">View file</a>
4	4	10	D-5 Gahan c-iii	Nankhari	D-5 Gahan c-iii	 <a href="#">View file</a>
5	5	10	UPF Nagalni	Nankhari	UPF Nagalni	 <a href="#">View file</a>
6	6	10	UPF-12 Dhangar c-ii	Nagrotastrian	UPF-12 Dhangar c-ii	 <a href="#">View file</a>
7	13	10	RF Ghatari	Narag	RF Ghatari	 <a href="#">View file</a>
8	14	10	RF Mehalana c-1	Narag	RF Mehalana c-1	 <a href="#">View file</a>
9	15	10	RF Unchakot c-vii	Sarahan	RF Unchakot c-vii	 <a href="#">View file</a>
10	16	20	UPF Ghirad	Sarahan	UPF Ghirad	 <a href="#">View file</a>
11	17	15	UPF Bara Chakli	Sarahan	UPF Bara Chakli	 <a href="#">View file</a>





Full title of the project: Sunni Dam Hydro-Electric Project (382 MW).

File No.:

Date of proposal:

PART-III

(To be filled by the concerned Conservator of Forests)

14.	Whether site, where the forest land involved is located has been inspected by concerned Conservator of Forests? If yes, the date of inspection and other observations made in form inspection note to be enclosed.	No
15.	Whether the concerned Conservator of Forests agrees with the information given in Part-B and the recommendations of Deputy Conservator of Forests.	Yes
16.	Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.	Recommended for approval please.

Date 15/5/2020  
Place Rampur Bsr.

Signature   
Conservator of Forests,  
Rampur Forest Circle,  
Rampur BSR, Jharkhand

Full title of the project: Sunni Dam Hydro-Electric Project (382 MW).

File No.:

Date of proposal:

PART-IV

(To be filled in by the Nodal Officer or Principal Conservator of Forests or Head of Forest Department)

17 Detailed opinion and specific recommendation of the State Forest Department for acceptance of otherwise of the proposal with remarks.

*Recommended.*

(While giving opinion, the adverse comments made by concerned Conservator of Forests or Deputy Conservator of Forests should be categorically reviewed and critically commented upon).

Date 14/01/2021

Place Shimla

Signature

Name Rajesh J. Ekka  
Add. P. Chief Conservator of Forests (FCAL)  
Off. P. Chief Secy, H.R.

Full title of the project: Sunai Dam Hydro-Electric Project (382 MW).

File No.:

Date of proposal:

PART-V

(To be filled in by the Nodal Secretary in charge of Forest Department or by any other authorized officer of the State Government not below the rank of an Under Secretary)

18. Recommendation of the State Government:-

(Advance comments made by any officer or authority in Part-B or Part-C or Part-D above should be specifically commented upon)

Date 11-9-21

Place Shimla

Recommended  
of

Signature

Name

Official Seal  
Addl. Chief Secretary (Forest)  
to the Govt. of Himachal Pradesh

Detail note of the proposal and project/scheme for which the forest land is required

The proposed Sunni Dam Hydroelectric project is situated on Satluj River near Khaira Village in Shimla/Mandi districts of Himachal Pradesh. Dam is located at Lat.  $31^{\circ} 14' 53''$  N and Long.  $77^{\circ} 12' 39''$  E. On the upstream of the project lies the 412 MW Rampur HPS, which utilizes water discharged from the further upstream 1500 MW Nathpa- Jhakri project. On the Downstream of Sunni Dam Hydroelectric project, lies the 800 MW Kol Dam HPS (FRL 642 m). In between Rampur HPS and proposed Sunni Dam Project, Luhri HEP Stage-I (nearly 50 km upstream) and Luhri Hydroelectric Project Stage -II (Between LHEP-I & Sunni Dam) are also proposed.

The Project is conceived as a run of the river type development proposed to harness the hydel potential of river Satluj. The project envisages construction of a concrete gravity dam across river Satluj near Khaira village and underground power house on the right bank.

A  $\pm 71$ m high, concrete gravity dam from av. River Bed level 644m, with integral 6 nos. gated spillways having size of 8.5m (W) X 15.0m (H) have been proposed. The Full Reservoir Level has been kept at 712.0 m and Minimum Draw Down Level at El. 709.50m. The length of the dam at top shall be 184.42 m.

Underground power house having size of 185.42 m (L) x 22.0 m (W) x 48.36 m (H) shall be provided on right bank with installed capacity of 382 MW (4 x 73 MW – Main Units, 1 x 73 MW+ 1 x 17 MW- Environmental Units) with Francis turbines. The scheme would utilize a gross head of 59.97m. The power house cavern is proposed  $\pm 200$ m inside the hill with a top cover of  $\pm 300$ m.

The project is estimated to cost 2555.71 Cr. including IDC and financing charges at June, 2019 price level. The Annual energy of the project calculated as 1381.77 GWh. The tariffs for the project are as below: 1st year Tariff 4.53/kWh, Levelised Tariff 4.16/kWh. The construction period of the project has been proposed as 4 years & 7 months.

The diversion of total 397.8863 ha of forest land for the Project (159.3484 ha in Shimla Forest Division (158.6684 ha open surface area+0.6800ha underground/Notional area) + 37.3859 ha. in Kotgarh Forest Division + 201.1520 ha (197.9575ha open surface area+ 3.1945ha underground/Notional area) in Karsog Forest Division) in various Khasra Nos. as per check List-07 showing details of forest land proposed for diversion, is required for establishment of Sunni Dam HEP located in Northern Power region.

  
Deputy Conservator of Forests,  
(Kotgarh Forest Division, H.P.)

  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Total 27 (Twenty seven) No. of villages in 11 (eleven) No. of Panchayats in Shimla and Mandi Districts of Himachal Pradesh will be directly benefitted due to establishment of the project. The details of villages/ Panchayats is as under:

Name of District	Name of Division	Name of Panchayat	Name of village
Shimla	Shimla	Kanyali	Jaishi
			Bharan
		Chewri	Khaira
			Lunsi
			Mungana
		Baag	Bathaura
			Pandoya
			Grehana
		Ogli	Talah
			Ogli
	Kothi		
	Malgi		
	Kotgarh	Banahar	Bhooth
Talah			
Mogra		Jhunjhun	
		Majharog	
Mandi	Karsog	Sartyola	Jakleen
			Magaan
			Balog
		Bindla	Bhaunra(मीरा)
		Parlog	Fafaari (फफाण)
			Khanoch
			Parlog
			Beludhank
		Shaahot	Kharyali
		Naanj	Chauya
			Tundal

About 56,57,500 person-days will be generated directly as a result of establishment of this Project in addition to permanent/ regular employment for about 310 persons. Many indirect opportunities of employment will also come up with the establishment of the project in the surrounding area.

  
 Deputy Conservator of Forests,  
 Kotgarh Forest Division, H.P.

  
 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

### Employment likely to be generated from project

- a) Permanent/regular employment (No. of persons)

310 employees are likely to be required for construction stage of the project which is to be managed from the existing strength of manpower of corporation.

- b) Temporary employment (No. of person- Days)

Persons to be required= 3500

Mandays to be generated= 56,57,500 Days

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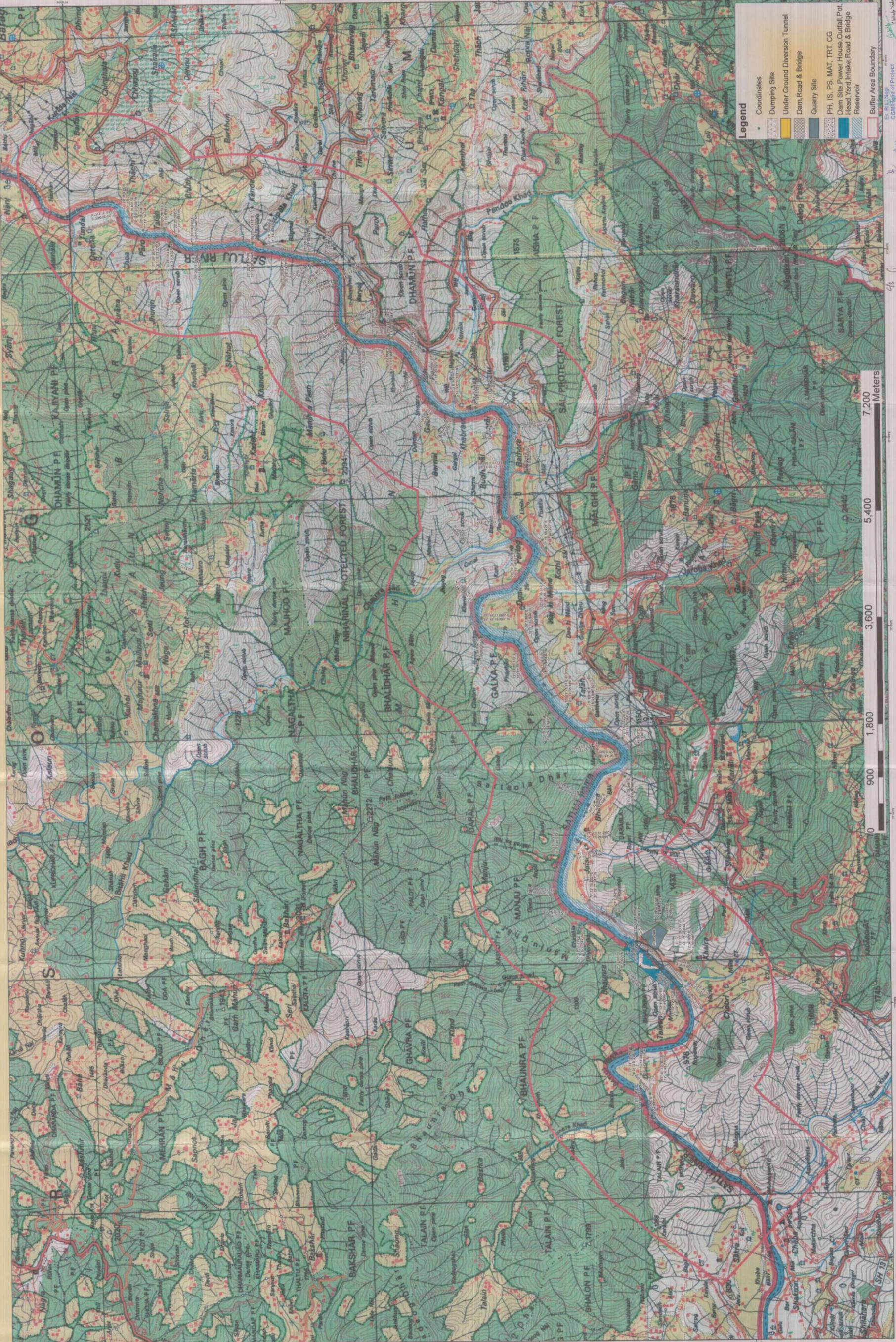
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**Er. R.L. Negi**  
**CGM** of Project  
**SJVN, Bithal**

Digital Toposheet Map in Respect of SJVN Limited for the Construction of Sunni Dam HEP (382 MW) Area identified for Diversion of Forest Land



Legend

- Coordinates
- Dumping Site
- Under Ground Diversion Tunnel
- Dam, Road & Bridge
- Quarry Site
- PH, IS, PS, MAT, TRT, CG
- Dam Site Power House, Outfall, Pot, Head, Yard, Intake Road & Bridge
- Reservoir
- Buffer Area Boundary

7,200 Meters

5,400

3,600

1,800

900

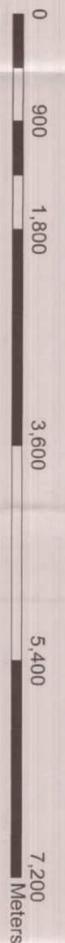
0

1,800

3,600

5,400

7,200

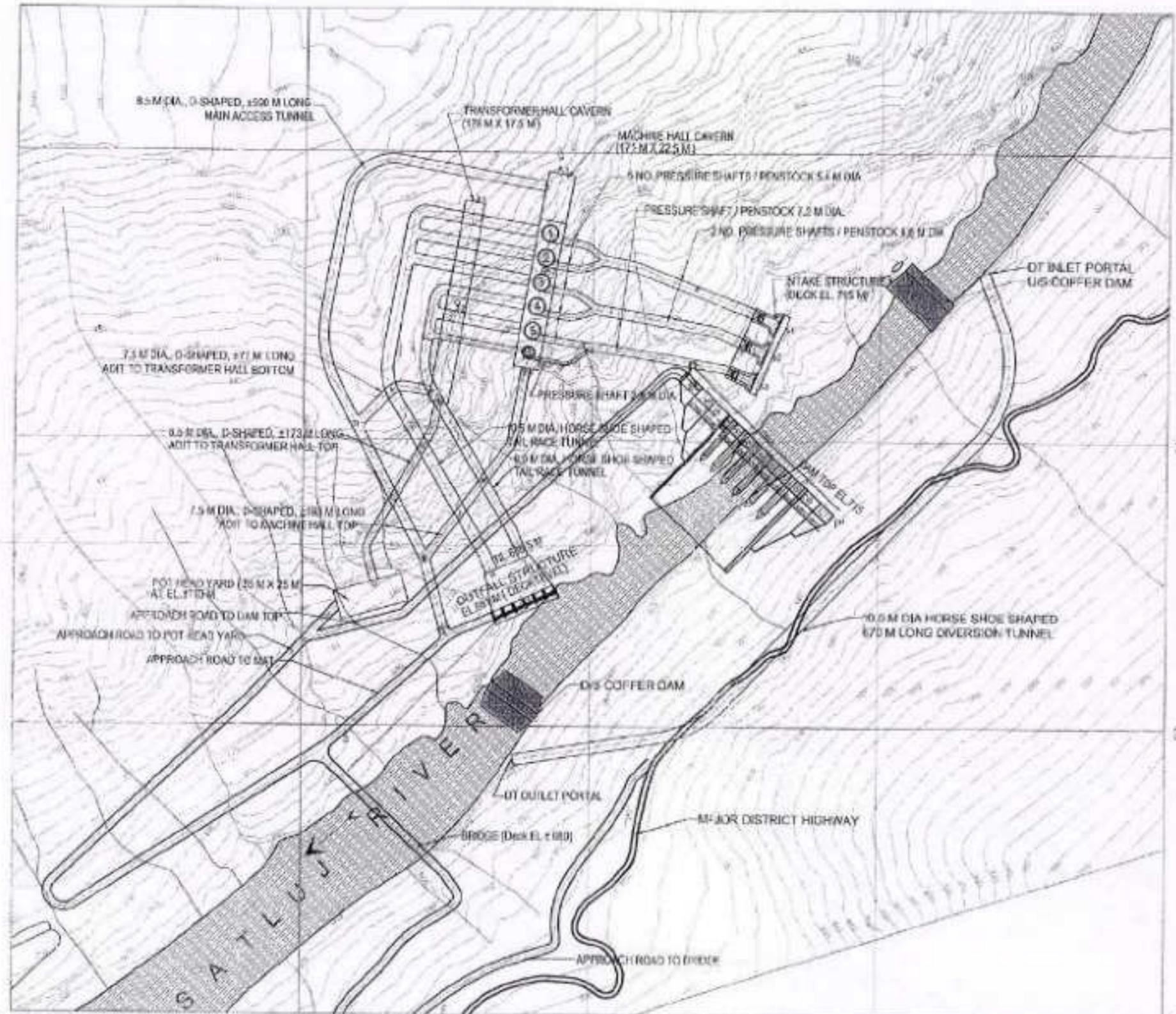


**Legend**

Coordinates	Agriculture Land
Dumping Site	Forest
Under Ground Diversion Tunnel	Grass Land
Dam, Road & Bridge	Plantation
Quarry Site	Rocky Land
PH, IS, PS, MAT, TRT, CG	Shrubs
Dam Site, Power House, Outfall, Pot	Open Land / Waste Land
Head Yard Intake Road & Bridge	Builtup
Reservoir	Builtup
Buffer Area Boundary	River
Locations	Nallah
Road	WaterTank
Footpath	DryRiverBed



Er. B. N. Singh  
 Chief Engineer  
 Divisional Engineer  
 Kargil Forest Division, J&K



**LAYOUT PLAN**

**NOTE**  
 1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.  
 2. DIMENSIONS SHALL BE TO CENTER LINE UNLESS OTHERWISE SPECIFIED.  
 3. DIMENSIONS SHALL BE TO CENTER LINE UNLESS OTHERWISE SPECIFIED.

**DAM AXIS CO-ORDINATES (PP)**

POINTS	LONGITUDE	LATITUDE
P	77°52'38"	31°14'57"
P'	77°52'38"	31°14'57"

**DAM AXIS CO-ORDINATES (PP)**

POINTS	EASTING	NORTHING
P	11893.301	32400.661
P'	11893.301	32400.661

**TUNNEL DETAILS**

POINT	LOCATION	INVERT LEVEL	EASTING	NORTHING
A	INT PORTAL	882.1	11822.309	32505.363
B	INT	878.3	11892.786	32493.771
C	INT	875.8	11528.526	32380.850
D	INT	873.8	11945.135	32180.287
E	INT END POINT	848.1	11700.114	32020.577
F	END POINT OF INT TUNNEL	877.2	11883.229	32158.420
G	INT END POINT	770.1	11582.470	32025.195
T-1	INT TUNNEL END POINT	885.1	11891.360	32163.670
T-2	END POINT OF INT TUNNEL	885.1	11892.280	32163.171
H	INT END POINT	885.0	11884.647	32035.189
I	INT END POINT	878.5	11887.336	32047.855
J	INT TO INT TOP	881.7	11836.573	32088.984
K	CABLE TUNNEL	887.7	11833.484	32144.104
L	INT TO INT TOP	875.2	11879.857	32023.027
M	INT TO INT TOP	882.0	11833.880	32114.371

FOR PRE DPR PURPOSE ONLY

संयोजक संस्थान  
 UNLIMITED  
 सर्वेक्षण एवं सिविल इंजीनियरिंग  
 SURV (DAM) (P.P.)

PROJECT LAYOUT PLAN

अनुमोदित Date	संशोधक Date	सर्वेक्षण Date
अनुमोदित Date	संशोधक Date	सर्वेक्षण Date
अनुमोदित Date	संशोधक Date	सर्वेक्षण Date

Er. R.L. Negi  
 CGM/Head of Project  
 VN, LHEP, Bithal

Full Title of the Project: Sunni Dam Project (382 MW).

File No. :

Date of Proposal:

CHECK LIST SERIAL NUMBER: - 07

**STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION**

Sr. No	District	Division	Range/ Tehsil/ Village	Khatra/ Survey or Compartment Number or Km. Stone	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	2	3	4	5	6	7	8
1	शिमला	शिमला	महाल वृन्दावत सरकारी रकबा	10	0.5542	महागण्ड विकास	
	-do-	-do-	-do-	16	0.2431	महागण्ड विकास	
	-do-	-do-	-do-	17	0.2223	महागण्ड विकास	
	-do-	-do-	-do-	654/34/1	3.2039	महागण्ड विकास	
	-do-	-do-	-do-	33	0.1480	महागण्ड विकास	
	-do-	-do-	-do-	35	0.1861	महागण्ड विकास	
				किला-6	4.5576		
2	शिमला	शिमला	महाल खैरा सरकारी रकबा	147/1	10.0556	महागण्ड विकास	
	-do-	-do-	-do-	218	0.0467	वीर सुयकिन	
	-do-	-do-	-do-	212	0.0417	वीर सुयकिन	
					19.1440		
			महाल खैरा सरकारी रकबा				
	-do-	-do-	-do-	160/1	2.4143	महागण्ड विकास	
	-do-	-do-	-do-	161/1	0.1725	वीर सुयकिन	
	-do-	-do-	-do-	516/36/1	7.7386	महागण्ड विकास	
	-do-	-do-	-do-	160/3/1	0.3279	महागण्ड विकास	
				किला-7	10.6543		
					29.7983		
	शिमला	शिमला	महाल खैरा सरकारी रकबा	206	0.0537	महागण्ड विकास	
	-do-	-do-	-do-	208	0.0872	महागण्ड विकास	
	-do-	-do-	-do-	229	0.0444	महागण्ड विकास	
	-do-	-do-	-do-	330	0.1934	महागण्ड विकास	
	-do-	-do-	-do-	212	0.0499	महागण्ड विकास	
	-do-	-do-	-do-	257	0.0464	महागण्ड विकास	

Er. Dr. Negi  
CGM Head of Project  
SJVN, LHEP, Shimla

Sub-Divisional Magistrate  
Shimla (Rural)  
AE NPPWD  
Sunni

Tehsildar  
Sunni

San  
Roshini  
Forest Dept  
HSEBL

Divisional Forest  
Shimla Forest Div

	-do-	-do-	-do-	258	0.0364	बसगाह बिला इकायन	Road to Quarry
	-do-	-do-	-do-	262	0.3173	बसगाह बिला इकायन	
	-do-	-do-	-do-	265	0.0032	बसगाह बिला इकायन	
	-do-	-do-	-do-	285	0.0125	बसगाह बिला इकायन	
	-do-	-do-	-do-	295	0.3130	रैर मुसकिय नाला	
	-do-	-do-	-do-	297	0.0143	बसगाह बिला इकायन	
	-do-	-do-	-do-	292	0.0220	बसगाह बिला इकायन	
	-do-	-do-	-do-	317	0.3726	बसगाह बिला इकायन	
	-do-	-do-	-do-	319	0.4507	बसगाह बिला इकायन	
	-do-	-do-	-do-	305	0.0095	रैर मुसकिय नाला	
	-do-	-do-	-do-	294	0.0319	रैर मुसकिय नाला	
				बिला-17	3.0685		
	Total in Khairu Village			बिला-24	31.8588		
3	बिला	बिला	घरान पैसी सरकारी रकम	1	3.7834	रैर मुसकिय दरिया	
	-do-	-do-	-do-	2/1	0.2729	बसगाह इकायन	
				3/1	1.7405	बसगाह बिला इकायन	
	-do-	-do-	-do-	4/1	0.7959	बसगाह इकायन	
	-do-	-do-	-do-	5/1	0.9620	बसगाह बिला इकायन	
	-do-	-do-	-do-	6/1	0.5452	बसगाह इकायन	
	-do-	-do-	-do-	7/1	0.8711	बसगाह इकायन	
	-do-	-do-	-do-	13/1	0.4228	बसगाह इकायन	
	-do-	-do-	-do-	7	3.8788	रैर मुसकिय दरिया	
	-do-	-do-	-do-	8	1.1430	रैर मुसकिय दरिया	
	-do-	-do-	-do-	9	1.4769	बसगाह इकायन	
	-do-	-do-	-do-	199+113	0.1098	बसगाह बिला इकायन	
	-do-	-do-	-do-	225	0.0180	बसगाह बिला इकायन	
	-do-	-do-	-do-	235	0.0343	बसगाह बिला इकायन	
	-do-	-do-	-do-	331	0.0066	रैर मुसकिय नाला	
	-do-	-do-	-do-	232	0.0261	ब.कु.दरिये कनवारे	
	-do-	-do-	-do-	324/1	0.0498	रैर मुसकिय कुडाल	
	-do-	-do-	-do-	369	0.0079	बसगाह इकायन	
	-do-	-do-	-do-	370	0.0104	बसगाह बिला इकायन	
	-do-	-do-	-do-	383/1	0.8784	बसगाह इकायन	
	-do-	-do-	-do-	458/1	0.8307	बसगाह बिला इकायन	
	-do-	-do-	-do-	475/1	0.0081	बसगाह इकायन	
	-do-	-do-	-do-	480	0.0119	बसगाह बिला इकायन	

20/11/20

Er. A. Negi  
CGM/In-charge of Project  
SJVN, LHEP, Bilaspur

7<sup>th</sup> Div. Magistrate  
Shimla (Sural)

AE HPPWD  
Sunni

Tekhi Lal  
Sunni

MPSEBL

Bo Himri  
Forces Dept

Shimla  
20/11/20

	-do-	-do-	-do-	493	0.0013	बलगाह बिला इकाय
	-do-	-do-	-do-	493	0.0044	बालत जंगल
	-do-	-do-	-do-	494	0.0080	बालत जंगल वीथन कलदा
	-do-	-do-	-do-	302/1	0.0077	बलगाह बिला इकाय
	-do-	-do-	-do-	501/1	0.0029	वीर मुसकिन कुहल
	-do-	-do-	-do-	501/1	0.0518	वीर मुसकिन नाला
	-do-	-do-	-do-	116	0.1102	बालत जंगल
	-do-	-do-	-do-	117	0.0066	बालत जंगल
	-do-	-do-	-do-	118	0.0142	बालत जंगल
	-do-	-do-	-do-	234	0.1069	बालत जंगल
				किला-33	18.2007	
4	शिमला	शिमला	बहाल बहाल सरकारी नकसा	1/1	0.0058	वीर मुसकिन नाला
	-do-	-do-	-do-	19/1	0.9911	बलगाह बिला इकाय
	-do-	-do-	-do-	25	0.4910	बलगाह इकाय
	-do-	-do-	-do-	25/1	1.9042	वीर मुसकिन दरिया
	-do-	-do-	-do-	27	0.1912	बलगाह इकाय
	-do-	-do-	-do-	401	4.3539	बलगाह इकाय
	-do-	-do-	-do-	406	3.8704	वीर मुसकिन दरिया
	-do-	-do-	-do-	403	0.0911	बालत जंगल
	-do-	-do-	-do-	404	0.0247	वीर मुसकिन चस्ता
	-do-	-do-	-do-	417	0.0860	वीर मुसकिन चस्ता
	-do-	-do-	-do-	427	0.2573	बलगाह इकाय
	-do-	-do-	-do-	429	0.2775	बलगाह बिला इकाय
	-do-	-do-	-do-	436	0.1353	बलगाह इकाय
	-do-	-do-	-do-	443	0.0264	वीर मुसकिन चस्ता
	-do-	-do-	-do-	467/1	0.0934	वीर मुसकिन चस्ता
	-do-	-do-	-do-	483/1	0.0136	बलगाह इकाय
	-do-	-do-	-do-	486	0.0373	बालत वीथन
	-do-	-do-	-do-	845/488/1	4.1769	बलगाह इकाय
	-do-	-do-	-do-	846/488/2	0.3902	बलगाह इकाय
				किला-19	17.8208	
5	शिमला	शिमला	बहाल बहाल सरकारी नकसा	1	3.2536	वीर मुसकिन दरिया
	-do-	-do-	-do-	2	3.7149	वीर मुसकिन दरिया
	-do-	-do-	-do-	291/1	3.7596	बलगाह इकाय
	-do-	-do-	-do-	290	0.0194	बालत वीथन
	-do-	-do-	-do-	288/1	0.2513	वीर मुसकिन नाला
	-do-	-do-	-do-	307	1.9257	बलगाह बिला इकाय
	-do-	-do-	-do-	3	0.1494	वीर मुसकिन चस्ता
	-do-	-do-	-do-	4	0.1503	बलगाह बिला इकाय
	-do-	-do-	-do-	7	0.0812	बालत जंगल
	-do-	-do-	-do-	8	0.1513	बालत जंगल
	-do-	-do-	-do-	383/1	0.2777	बलगाह इकाय
	-do-	-do-	-do-	11/1	0.0058	बलगाह बिला इकाय
	-do-	-do-	-do-	284	0.4454	बलगाह इकाय
	-do-	-do-	-do-	329	4.0469	बलगाह इकाय
	-do-	-do-	-do-	431	4.2193	वीर मुसकिन दरिया
	-do-	-do-	-do-	463/1	1.1363	बलगाह इकाय

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bilaspur

Sub-Division Magistrate  
Shimla (Sural)

AE HPPWD  
Sunni

Tehsildar  
Sunni

Forest Deptt  
HASEBL

Regional Forest Officer

			किला-10	23.5863		
6	जिला	जिला	महाल जोगी सरकारी रकबा	1	3.5226	वीर मुनकिन वरिया
	-do-	-do-	-do-	2	6.5874	वीर मुनकिन वरिया
	-do-	-do-	-do-	106/1	1.1491	बरागाह इलाका
	-do-	-do-	-do-	913/331	0.1540	बरागाह इलाका
	-do-	-do-	-do-	914/331/1	0.0228	बरागाह इलाका
	-do-	-do-	-do-	914/331/1	0.2032	बरागाह इलाका
	-do-	-do-	-do-	912/331/1	6.6533	बरागाह इलाका
	-do-	-do-	-do-	455/1	3.1245	बरागाह इलाका
	-do-	-do-	-do-	438	0.0110	बरागाह जिला इलाका
	-do-	-do-	-do-	460	0.0246	बरागाह जिला इलाका
	-do-	-do-	-do-	462	0.0126	बरागाह जिला इलाका
	-do-	-do-	-do-	467	0.0524	बरागाह जिला इलाका
	-do-	-do-	-do-	470	0.0066	बरागाह जिला इलाका
	-do-	-do-	-do-	805/1	0.5334	बरागाह इलाका
	-do-	-do-	-do-	815/1	0.1134	वीर मुनकिन नाला
	-do-	-do-	-do-	434	0.0035	वीर मुनकिन नाला
			किला-10	22.1404		
7	जिला	जिला	महाल जोगी सरकारी रकबा	1	1.8588	वीर मुनकिन वरिया
	-do-	-do-	-do-	2	0.0078	बरागाह जंगल
	-do-	-do-	-do-	3	0.0208	बरागाह जंगल
	-do-	-do-	-do-	47	0.9803	बरागाह जिला इलाका
	-do-	-do-	-do-	602	0.0861	बरागाह इलाका
	-do-	-do-	-do-	601	0.1228	बरागाह जंगल
	-do-	-do-	-do-	608	0.0154	बरागाह जंगल
	-do-	-do-	-do-	608	0.0128	बरागाह जंगल
	-do-	-do-	-do-	609/1	3.0408	बरागाह इलाका
	-do-	-do-	-do-	25/1	0.0999	वीर मुनकिन नाला
	-do-	-do-	-do-	600	0.0392	बरागाह जंगल
	-do-	-do-	-do-	601	0.0129	बरागाह इलाका
			किला-12	6.3146		
8	जिला	जिला	महाल जोगी सरकारी रकबा	1	4.5444	वीर मुनकिन वरिया
	-do-	-do-	-do-	72	0.2468	बरागाह इलाका
	-do-	-do-	-do-	199	0.2059	वीर मुनकिन नाला
	-do-	-do-	-do-	296	0.1482	बरागाह जिला इलाका
	-do-	-do-	-do-	597/1	0.4375	बरागाह जिला इलाका
	-do-	-do-	-do-	5	0.017	बरागाह जंगल
			किला-08	5.5998		
	जिला	जिला	महाल जोगी सरकारी रकबा	2/1	0.4946	वीर मुनकिन नाला
	-do-	-do-	-do-	5	0.0281	बरागाह जिला इलाका
	-do-	-do-	-do-	4	0.0832	बरागाह जंगल
	-do-	-do-	-do-	7	0.0189	बरागाह इलाका

Er. R. Negi  
CGM/Head of  
SJVN, LNEP, Bimal

Sub-Division Magistrate  
Shimla (Rural)

AE HPWD  
Gumti

Tehsildar  
Gumti

HP SEBL

Bo Himn  
Forest Dept

Divisional Forest Officer

20/09/20

	--do--	--do--	--do--	141/1	0.2437	बसपाठ विना इकायन
	--do--	--do--	--do--	143	0.0468	बसपाठ विना इकायन
	--do--	--do--	--do--	144	0.3584	बसपाठ विना इकायन
	--do--	--do--	--do--	145	5.4078	बसपाठ विना इकायन
	--do--	--do--	--do--	602/146	0.1078	बसपाठ विना इकायन
	--do--	--do--	--do--	601/146/1	0.4860	बसपाठ विना इकायन
				<b>किला-10</b>	<b>7.2771</b>	
10	शिमला	शिमला	बसपाठ बायोला सरकारी रकम	1/1	0.6032	वीर मुम्किन खदर
	--do--	--do--	--do--	4	2.0233	बसपाठ इकायन
	--do--	--do--	--do--	5	0.0025	वीर मुम्किन बकाय
	--do--	--do--	--do--	6	0.0095	बसपाठ कु बकायवाय
	--do--	--do--	--do--	2	0.1990	बसपाठ इकायन
	--do--	--do--	--do--	18	0.8924	वीर मुम्किन दरिया
	--do--	--do--	--do--	314	7.1008	वीर मुम्किन दरिया
	--do--	--do--	--do--	215	0.0792	बसपाठ इकायन
	--do--	--do--	--do--	547/235	0.0857	बसपाठ इकायन
	--do--	--do--	--do--	546/235	1.2183	बसपाठ इकायन
	--do--	--do--	--do--	213	2.8219	वीर मुम्किन दरिया
				<b>किला-11</b>	<b>15.0423</b>	
11	शिमला	शिमला	बसपाठ वीरमा सरकारी रकम	1	2.3276	वीर मुम्किन दरिया
	--do--	--do--	--do--	4/1/0	0.9424	बसपाठ इकायन
	--do--	--do--	--do--	5/1/0	3.4724	बसपाठ इकायन
	--do--	--do--	--do--	89/3	0.8081	वीर मुम्किन खदर
				<b>किला-04</b>	<b>6.5585</b>	
				<b>कुल शिमला विभाग</b>	<b>158.6684</b>	
<b>Add Underground/ National Area for Diversion Tunnel in Mahal Ehaire</b>					<b>6.6800</b>	
<b>Net Total in Shimla Division</b>					<b>159.3484</b>	

Date.....  
Place.....

*[Signature]*  
Divisional Officer  
Shimla Division  
SH:LA

*[Signature]*  
Job-Division Incharge  
Shimla (Rural)  
A E HPPWD  
Sunni

*[Signature]*  
Tehsiladar  
Sunni

*[Signature]*  
HPSEBL

*[Signature]*  
Bachchan  
Forest Deptt

*[Signature]*  
R.C. Bani  
JG LPH

*[Signature]*  
Mr. R. Negi  
CGM/Head of Project  
SJVN, LHEP, Bilhal

Full Title of the Project:- **Sunni Dam Project (373 MW).**

File No. :

Date of Proposal:

**CHECK LIST SERIAL NUMBER: - 07****STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION**

Sr. No	District	Division	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number or Km. Stone	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	Bihar	Patna	बारा गाँव बारा गाँव	1	7.4322	दे गलिये अला	
	--do--	--do--	--do--	190	1.6108	बारा अला	
	--do--	--do--	--do--	2	2.2602	बारा अला	
				कुल-32	13.3032		
2	Bihar	Patna	बारा गाँव बारा गाँव	1	7.6502	दे गलिये अला	
	--do--	--do--	--do--	61	0.0114	बारा देल अला	
	--do--	--do--	--do--	62	1.3000	बारा अला	
	--do--	--do--	--do--	65/1	0.0096	दे गलिये अला	
	--do--	--do--	--do--	67	0.0318	बारा देल अला	
	--do--	--do--	--do--	318/67/1	0.0100	दे गलिये अला	
	--do--	--do--	--do--	66	0.5371	बारा अला	
	--do--	--do--	--do--	18	0.7153	बारा अला	
	--do--	--do--	--do--	3	1.2130	बारा अला	
	--do--	--do--	--do--	316/59	0.0086	दे गलिये अला	
				कुल-10	11.8470		
3	Bihar	Patna	बारा गाँव बारा गाँव				
	--do--	--do--	--do--	1	0.1728	दे गलिये अला	
	--do--	--do--	--do--	1/1	1.1105	दे गलिये अला	
	--do--	--do--	--do--	2	1.4711	बारा अला	
				कुल-32	2.7544		
4	Bihar	Patna	बारा गाँव बारा गाँव	1/1	3.6060	दे गलिये अला	
	--do--	--do--	--do--	2	1.7362	दे गलिये अला	
	--do--	--do--	--do--	1/1	2.1182	बारा देल अला	
	--do--	--do--	--do--	कुल-32	9.4813		
				कुल अला कुल	37.3859		

Date: 7-9-2020  
Place: Kotgarh

[Signature]

E. R. J. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal[Signature]  
Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

b

Full Title of the Project: Sanni Dam Project (382 MW).

File No. :

Date of Proposal:

CHECK LIST SERIAL NUMBER: - 07

**STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION**

Sr. No	District	Division	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number or Km. Stone	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	बिहार	कटगर्ह	पटार नदी सरकारी वनवा	338/31/1	1.8186	जंगल नैसर्गिक नैसर्गिक	Revised
				340/335/1	13.6519	जंगल नैसर्गिक नैसर्गिक	
				343/354/1	4.5104	जंगल नैसर्गिक नैसर्गिक	
				<b>किला-8</b>	<b>19.9809</b>		
				253/1	0.2650	नैसर्गिक वनवा	
				294	0.1430	बनवाज किला वनवाज	
				295	0.0273	बनवाज वनवाज	
				296	0.0100	बनवाज किला वनवाज	
				330/1	0.3021	बनवाज वनवाज	
				331	10.0132	नैसर्गिक वनवा	
				339	0.6086	बनवाज वनवाज	
				344/354/1	0.0556	बनवाज वनवाज	
				<b>किला-8</b>	<b>11.4338</b>		
			<b>बनवाज</b>	252/2/1	0.5433	नैसर्गिक वनवा	
				255/1	0.1376	बनवाज वनवाज	
				256	0.0138	नैसर्गिक वनवा नैसर्गिक	
				257	0.0158	बनवाज किला वनवाज	
				259	0.0030	नैसर्गिक वनवा नैसर्गिक	
				260	0.0170	नैसर्गिक वनवा नैसर्गिक	
				261	0.0198	नैसर्गिक वनवा (एक बगैची जमीन वनवा नैसर्गिक)	
				330/2	0.6812	बनवाज वनवाज	
				343/354/2	1.9532	जंगल नैसर्गिक नैसर्गिक	
				328/1	0.7171	बगीची	Bar in Private land
				<b>किला-9</b>	<b>4.1018</b>		
				<b>किला-20</b>	<b>35.5165</b>		
2	बिहार	कटगर्ह	पटार नदी सरकारी वनवा	3/1	2.2353	जंगल नैसर्गिक नैसर्गिक	

Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Add. General Manager  
Envt. Deptt. LHEP  
SJVN Ltd., Bithal-172030

--do--	--do--	--do--	32	0.4162	परामाह इकायन	
--do--	--do--	--do--	33/1	0.3263	वीर मुनिकिन नाला	
--do--	--do--	--do--	34	0.4507	परामाह इकायन	
--do--	--do--	--do--	39	0.0148	परामाह किला इकायन	
--do--	--do--	--do--	40	0.0504	परामाह किला इकायन	
--do--	--do--	--do--	43	0.3000	परामाह इकायन	
--do--	--do--	--do--	37/1	5.0530	परामाह इकायन	
--do--	--do--	--do--	63	4.3819	वीर मुनिकिन दरिया	
--do--	--do--	--do--	54/2	4.6630	जयल नैहपूजा नैहपूजा	
--do--	--do--	--do--	65/1	0.1047	जयल नैहपूजा नैहपूजा	
--do--	--do--	--do--	10/1	0.0279	जयल नैहपूजा नैहपूजा	
--do--	--do--	--do--	12/1	0.2295	परामाह इकायन	
--do--	--do--	--do--	13/2/1	0.3532	वीर मुनिकिन नाला	
			किला-14	13.6269		
3	समूची	करसाँच	महाल परकीण सरकारी रकबा	44/1	0.0578	परामाह इकायन
--do--	--do--	--do--		46	0.0121	परामाह इकायन
--do--	--do--	--do--		47/1	0.0716	वीर मुनिकिन नाला
--do--	--do--	--do--		92	0.0300	परामाह इकायन
--do--	--do--	--do--		120/98/1	1.4742	परामाह इकायन
--do--	--do--	--do--		122/98/1	3.3815	जयल नैहपूजा नैहपूजा
--do--	--do--	--do--		161	1.1504	वीर मुनिकिन दरिया
--do--	--do--	--do--		160	2.4958	वीर मुनिकिन दरिया
--do--	--do--	--do--		121/98/1	1.2429	जयल नैहपूजा नैहपूजा
--do--	--do--	--do--		47/2/1	0.2119	वीर मुनिकिन नाला
--do--	--do--	--do--		90/1	0.1076	परामाह इकायन
--do--	--do--	--do--		41/1	0.0498	परामाह इकायन
--do--	--do--	--do--		41/2	0.0138	परामाह इकायन
--do--	--do--	--do--		44/2/1	0.1246	परामाह इकायन
			किला-14	10.6240		
4	समूची	करसाँच	महाल मयाल सरकारी रकबा	177	8.1768	वीर मुनिकिन दरिया
--do--	--do--	--do--		178	4.9726	वीर मुनिकिन दरिया
--do--	--do--	--do--		179/1/1	3.4974	परामाह इकायन
--do--	--do--	--do--		181/1/1	0.7642	परामाह इकायन
--do--	--do--	--do--		182/1/1	2.7658	जयल नैहपूजा नैहपूजा
--do--	--do--	--do--		183/1/1	0.4969	जयल नैहपूजा नैहपूजा
--do--	--do--	--do--		179/1/2/1	1.5779	परामाह इकायन
			किला-07	22.2514		
5	समूची	करसाँच	महाल परकीण सरकारी रकबा	131	4.1865	वीर मुनिकिन दरिया
--do--	--do--	--do--		132	3.2100	वीर मुनिकिन दरिया
--do--	--do--	--do--		137	0.0226	वीर मुनिकिन नाला

*(Signature)*

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Addl. General Manager  
Env. Deptt. LHEP  
SJVN Ltd., Bithal-172030

*(Signature)*

--do--	--do--	--do--	226/4	0.0807	बसपाक प्रकल्प	
--do--	--do--	--do--	255/43/1	2.1242	बसपाक प्रकल्प	
--do--	--do--	--do--	140/41/1	0.2614	बसपाक प्रकल्प	
--do--	--do--	--do--	110/1	5.7501	बसपाक प्रकल्प	
--do--	--do--	--do--	152/139/1	0.5434	बसपाक प्रकल्प	
--do--	--do--	--do--	133/130/2	0.3018	बसपाक प्रकल्प	
--do--	--do--	--do--	51/1	0.0057	बसपाक प्रकल्प	
--do--	--do--	--do--	52/1	0.0314	बसपाक प्रकल्प	
--do--	--do--	--do--	111/1	0.0230	बसपाक प्रकल्प	
--do--	--do--	--do--	112	0.0593	बसपाक प्रकल्प	
--do--	--do--	--do--	114	0.1270	बसपाक प्रकल्प	
--do--	--do--	--do--	118	0.0255	बसपाक प्रकल्प	
--do--	--do--	--do--	152/139/3/1	0.6262	बसपाक प्रकल्प	
--do--	--do--	--do--	155/43/2	0.0782	बसपाक प्रकल्प	
--do--	--do--	--do--	155/43/3	0.6410	बसपाक प्रकल्प	
			किता-10	18.2982		
6	मुम्बई	बसपाक	बसपाक प्रकल्प सरकारी रकम	78/1	2.5743	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	79	1.3417	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	2/1	0.4957	बसपाक प्रकल्प
			किता-02	4.6117		
7	मुम्बई	बसपाक	बसपाक प्रकल्प सरकारी रकम	254/1/1	1.0934	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	257/37/1	1.1844	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	233/1	1.4405	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	233	3.8423	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	238/2	0.1718	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	237	0.0419	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	238/1	0.3207	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	229	0.0076	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	232/1	0.0880	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	231/24/3	0.2434	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	255/1/1	2.6162	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	235/24/2/1	1.4717	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	235/24/1/1	2.1851	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	228/2	0.1584	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	228/3	0.7553	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	259/139/1	0.3611	बसपाक प्रकल्प
--do--	--do--	--do--	--do--			बसपाक प्रकल्प
--do--	--do--	--do--	--do--	258/119/1	0.1092	बसपाक प्रकल्प
--do--	--do--	--do--	--do--			बसपाक प्रकल्प
--do--	--do--	--do--	--do--	256/9/1	0.5792	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	232/2	0.3514	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	28	0.0077	बसपाक प्रकल्प
--do--	--do--	--do--	--do--	262/261/24	0.0162	बसपाक प्रकल्प

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क्र	समूह	कार्यक्रम	प्रकार के अनुसार कार्यकारी पदनाम	किला-21	17.0455	
				210/1	0.0684	गैर मुआवित्त खर्च
	--do--	--do--	--do--	221	0.3918	प्रशासन इकाई
	--do--	--do--	--do--	230	0.1583	प्रशासन इकाई
	--do--	--do--	--do--	238	0.0449	प्रशासन विभाग इकाई
	--do--	--do--	--do--	989/251/1	2.2196	प्रशासन इकाई
	--do--	--do--	--do--	173/1	1.3912	प्रशासन इकाई
	--do--	--do--	--do--	171	8.2444	गैर मुआवित्त खर्च
	--do--	--do--	--do--	172	10.9779	गैर मुआवित्त खर्च
	--do--	--do--	--do--	167	8.8744	गैर मुआवित्त खर्च
	--do--	--do--	--do--	166	0.9386	गैर मुआवित्त खर्च
	--do--	--do--	--do--	481	0.0396	प्रशासन इकाई
	--do--	--do--	--do--	486	0.0064	गैर मुआवित्त खर्च
	--do--	--do--	--do--	488	0.0132	गैर मुआवित्त खर्च
	--do--	--do--	--do--	975/490/1	0.0647	प्रशासन इकाई
	--do--	--do--	--do--	484/1	2.2877	प्रशासन इकाई
	--do--	--do--	--do--			गैर मुआवित्त खर्च
	--do--	--do--	--do--	1/1	0.1736	
	--do--	--do--	--do--	163/1	0.2484	प्रशासन इकाई
	--do--	--do--	--do--	207/1/1	0.2143	प्रशासन इकाई
	--do--	--do--	--do--			गैर मुआवित्त खर्च
	--do--	--do--	--do--	220/2	0.3166	
	--do--	--do--	--do--	215	0.0049	गैर मुआवित्त खर्च
	--do--	--do--	--do--	216	0.0055	गैर मुआवित्त खर्च जहाँ जहाँ नहीं
	--do--	--do--	--do--			गैर मुआवित्त खर्च जहाँ जहाँ नहीं
	--do--	--do--	--do--	217	0.0073	
	--do--	--do--	--do--	219	0.3155	प्रशासन इकाई
				किला-20	39.2072	
B	समूह	कार्यक्रम	प्रकार के अनुसार कार्यकारी पदनाम	60/1	1.8984	गैर मुआवित्त खर्च
	--do--	--do--	--do--	60/1	1.0200	प्रशासन इकाई
	--do--	--do--	--do--	61/1	0.4538	प्रशासन इकाई
	--do--	--do--	--do--	74/1	0.2954	प्रशासन विभाग इकाई
	--do--	--do--	--do--	178/1	0.2747	प्रशासन इकाई
	--do--	--do--	--do--	312/1	0.0065	प्रशासन इकाई
	--do--	--do--	--do--	316/1	0.0100	प्रशासन इकाई
	--do--	--do--	--do--	317/1	0.2475	प्रशासन इकाई
	--do--	--do--	--do--	327/1	0.3189	प्रशासन इकाई
	--do--	--do--	--do--	341/1	0.4466	प्रशासन इकाई
	--do--	--do--	--do--	243/1	0.3103	प्रशासन इकाई
	--do--	--do--	--do--	260/1	0.0580	प्रशासन इकाई
	--do--	--do--	--do--	265/1	0.6116	प्रशासन इकाई
	--do--	--do--	--do--	293/1	0.0142	गैर मुआवित्त खर्च
	--do--	--do--	--do--	293/1	0.3530	प्रशासन इकाई
	--do--	--do--	--do--	300/1	1.3054	प्रशासन इकाई

*[Handwritten Signature]*

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Addl. General Manager  
Envt. Deptt. LHEP  
SJVN Ltd., Bithal-172030

				302/1	0.9497	परमाणु इकाया
				303/1	0.4439	परमाणु इकाया
				304/1	0.6859	परमाणु इकाया
				305	1.1164	वीर मुनकिन दरिया
				301	7.6496	वीर मुनकिन दरिया
				242	7.4313	वीर मुनकिन दरिया
				217/2	0.0781	परमाणु इकाया
				227/2	0.4673	परमाणु इकाया
				241/2/1	0.6964	परमाणु इकाया
				243/2	0.7520	परमाणु इकाया
				246	0.0641	परमाणु इकाया
				250/2/1	0.5142	परमाणु इकाया
				263	0.0308	परमाणु इकाया
				265/2/1	0.2384	परमाणु इकाया
				किता-30	28.6676	
				865/1	0.4528	अपरा वेदपुजा वेदपुजा
10	गुण्टी	करसांग	महाल बीजा सरकारी रकम	966/1	0.0141	वीर मुनकिन नाला
				967	1.6565	वीर मुनकिन दरिया
				किता-03	2.1234	
				675/1	0.0071	वीर मुनकिन नाला
11	गुण्टी	करसांग	महाल गुदाम सरकारी रकम	703/1	5.1589	वीर मुनकिन दरिया
				778633/1	0.1731	परमाणु बिना इकाया
				782/1	0.0158	परमाणु बिना इकाया
				774676/1	0.6300	परमाणु बिना इकाया
				किता-05	5.9849	
				करसांग डिविजन कुल सरकारी गुण्टी	197.9575	
					3.1945	
				Add Underground/ Notional Area for Power House Tunnel in Mahal Bhisra		
				Net Total in karsog Division	201.1520	

Date: 19/07/20  
Place: Bhisra

Dr. Divisional Forest Officer,  
Forest Division, Karsog,  
Karnopur, Division, H.P.

Y.S.  
Addl. General Manager  
Envt. Deptt. LHEP  
SJVN Ltd., Bithal-172030

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Full Title of the Project: **Sanni Dam Project (382 MW).**

File No.:

Date of Proposal:

CHECK LIST SERIAL NUMBER: - 08

**STATEMENT SHOWING DETAILS OF Private Land PROPOSED FOR DIVERSION**

Sr. No	District	Division	Ranga/ Tehsil/ Village	Khasra/ Survey or Compartment Number of Km. Sqms	Private Land proposed for Diversion (Ha)	Legal status of Non- Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Simla	Simla	सन्नी प्रकल्प Sanni Dam Project	5	0.3629	बंजर भूमी	
				6	0.1177	बंजर भूमी	
				8	0.0671	बंजर भूमी	
				47	0.3725	प्राचीनी	
				7	0.1785	प्राचीनी	
				3	0.0379	प्राचीनी	
				3	0.1166	प्राचीनी	
				148	0.2771	बंजर भूमी	
				146	0.2341	बागवत जंगल	
				147	0.2166	बंजर भूमी	
				156/158	0.2443	बंजर भूमी	
				653/158	0.0297	बंजर भूमी	
				187	0.0197	प्राचीनी	
				211	0.0090	बागवत जंगल	
				221	0.1788	बंजर भूमी	
				41	0.0481	बंजर भूमी	
				41	0.0120	बंजर भूमी	
				47	0.0571	बागवत जंगल	
				48	0.0370	बंजर भूमी	
				49	0.0477	प्राचीनी	
				119	0.0178	प्राचीनी	
				34	0.1320	प्राचीनी	
				109	0.0188	प्राचीनी	
				29-2	0.0374	बागवत जंगल	
				38	0.1610	बागवत जंगल	
				40	0.0833	बागवत जंगल	
				48	0.0170	बागवत जंगल	
				43	0.0245	बागवत जंगल	
				42	0.0774	बागवत जंगल	
				45	0.0402	बागवत जंगल	
				44	0.0563	बागवत जंगल	
				कुल-21	3.7672		
2	Simla	Simla	सन्नी प्रकल्प सिद्धि चक्रे Sanni Dam Project	248	0.6248	बंजर भूमी	
				248	0.0774	बंजर भूमी	
				758	0.0099	डी. सुनिमित्त जंगल	
				327	0.2267	बागवत जंगल	
				239	0.0274	प्राचीनी	
				214	0.0292	प्राचीनी	
				231	0.0280	बागवत जंगल	
				380	0.3797	बागवत जंगल	
				389	4.0193	प्राचीनी	

  
 Negi  
 Head of Project  
 INEP, Bilhal

Chas



			194	0.0516	बायल अयल
			197	0.0167	पारली
			198	0.7009	पारली
			199	0.0362	बायल अयल
			198.1	0.1074	पारली
			211	0.0510	बायल अयल
			212	0.0650	बायल अयल
			213	0.0082	बायल अयल
			214	0.0848	बायल अयल
			215	0.0027	बायल अयल
			216	0.0227	बायल अयल
			217	0.0118	बायल अयल
			218	0.2276	बायल रोयल
			219	0.0178	बायल रोयल
			220	0.0472	बायल रोयल
			221	0.0749	बायल रोयल
			222	0.0101	बायल रोयल
			223	0.0372	बायल रोयल
			224	0.0362	बायल रोयल
			225	0.0377	बायल रोयल
			226	0.0744	बायल रोयल
			227	0.0101	बायल रोयल
			228	0.0508	पारली
			231	0.0100	पारली
			201	0.0710	बायल अयल
			200	0.1354	बायल अयल
			197	0.0701	बायल अयल
			198	0.0893	बायल अयल
			199	0.1152	बायल अयल
			211	0.0945	बायल रोयल
			212	0.0300	बायल अयल
			213	0.0180	बायल रोयल
			214	0.0265	बायल अयल
			215	0.0949	बायल अयल
			216	0.0264	पारली
			217	0.2512	बायल रोयल
			218	0.0060	पारली
			219	0.0271	पारली
			264	0.0197	बायल रोयल
			301	0.0700	पारली

*(Handwritten signatures)*

Er. R. Negi  
 CCR Head of Project  
 SJVN, LHEP, Bithal

267	0.0345	बजर कटींग
268	0.2674	बाखल टोयल
269	0.0180	पलसी
270	0.1222	बजर कटींग
271	0.0366	पलसी
272	0.0627	पलसी
273	0.0609	बाखल टोयल
274	0.0033	पलसी
275	0.0798	बजर कटींग
276	0.0101	पलसी
277	0.0101	पलसी
278	0.0552	बाखल टोयल
279	0.0165	पलसी
280	0.0027	बजर कटींग
281	0.1211	बाखल टोयल
282	0.2266	बाखल टोयल
283	0.0729	बाखल अकाल
284	0.0588	बाखल टोयल
285	0.0075	पलसी
286	0.0064	पलसी
287	0.0472	बाखल टोयल
288	0.0356	पलसी
289	0.0165	वेर मुनिकल बाल
290	0.0040	वेर मुनिकल बाल
291	0.1246	बाखल टोयल
292	0.1708	बाखल कटींग
293	0.0929	बाखल टोयल
294	0.0014	वेर मुनिकल बाल
295	0.0124	बजर कटींग
296	0.0198	वेर मुनिकल बाल
297	0.0190	वेर मुनिकल बाल
298	0.0125	बजर कटींग
299	0.0113	वेर मुनिकल बाल
300	0.0075	वेर मुनिकल बाल
301	0.0077	बजर कटींग
302	0.0018	वेर मुनिकल बाल
303	0.0093	बजर कटींग
304	0.1082	बाखल टोयल
305	0.0223	वेर मुनिकल बाल
306	0.0118	वेर मुनिकल बाल
307	0.0087	बजर कटींग
308	0.1744	वेर मुनिकल बाल
309	0.0174	बाखल टोयल
310	0.0017	वेर मुनिकल बाल
311	0.0052	बाखल टोयल
312	0.0007	पलसी
313	0.0633	वेर मुनिकल बाल
314	0.0244	वेर मुनिकल बाल
315	0.0113	पलसी
316	0.0334	पलसी
317	0.0218	बाखल टोयल
318	0.0008	बाखल टोयल

4/5

Negi  
 In-charge of Project  
 Govt. LNER, Bilhal

				304	0.0838	बायल रोपण
				306	0.1112	बायल रोपण
				309	0.1642	बायल रोपण
				319	0.2254	बायली
				311	0.2091	बायल रोपण
				312	0.0313	बायल रोपण
				313	0.0008	बायल रोपण
				314	0.1759	बायल रोपण
				315	0.3009	बायल रोपण
				316	0.0461	वेद सुमनिल बायल
				318	0.1509	बायल रोपण
				320	0.0353	बायल रोपण
				301	0.0142	बायल रोपण
				330	0.0596	बायल रोपण
				303	0.1190	बायल रोपण
				308	0.2287	बायल रोपण
				307	0.0903	बायल रोपण
				308	0.0741	बायल रोपण
				309	0.0472	बायल रोपण
				314	0.6298	वेद सुमनिल बायल
Total in Khair Mohal				3100-100	9.9683	
3	संख्या	दिनांक	बायल बीबी सिंचि रकम	11	0.1232	बायल रोपण
				17	0.2001	बायल रोपण
				27	0.0044	बायल रोपण
				38	0.0081	बायल रोपण
				39	0.0171	बायल रोपण
				100	0.0072	बायल रोपण
				101	0.0008	बायल रोपण
				104	0.0072	बायल रोपण
				103	0.0003	बायल रोपण
				206	0.0031	बायल रोपण
				112	0.0004	बायल रोपण
				113	0.0008	बायल रोपण
				111	0.0074	बायल रोपण
				110	0.0220	बायल रोपण
				120	0.0333	बायल रोपण
				121	0.0484	बायल रोपण
				122	0.0188	बायल रोपण
				123	0.0349	बायल रोपण
				124	0.0484	बायल रोपण
				123	0.0794	बायल रोपण
				124	0.0163	बायल रोपण
				121	0.0180	बायल रोपण
				128	0.0170	बायल रोपण

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 Er. R.C. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

			118	0.0279	काठ अण्डा	
			119	0.0110	काठ काँची	
			120	0.0674	काठ अण्डा	
			121	0.0222	काठ अण्डा	
			122	0.0116	काठ काँची	
			123	0.0328	काठ अण्डा	
			124	0.0016	श्री सुनंदिन मण्डल	
			125	0.0735	काठ काँची	
			126	0.0308	काठ अण्डा	
			127	0.1973	काठ अण्डा	
			128	0.0424	काठ अण्डा	
			129	0.0907	काठ अण्डा	
			130	0.0022	काठ काँची	
			131	0.0082	काठ काँची	
			132	0.0522	काठ अण्डा	
			133	0.0081	काठ अण्डा	
			134	0.0362	काठ काँची	
			135	0.0042	काठ अण्डा	
			136	0.0023	काठ अण्डा	
			137	0.0051	काठ काँची	
			138	0.0068	काठ अण्डा	
			139	0.0408	काठ अण्डा	
			140	0.0233	काठ अण्डा	
			141	0.0009	काठ अण्डा	
			142	0.0025	काठ अण्डा	
			143	0.0016	काठ अण्डा	
			144	0.0429	काठ अण्डा	
			145	0.0500	काठ अण्डा	
			146	0.0099	काठ अण्डा	
			147	0.0230	काठ अण्डा	
			148	0.0092	काठ अण्डा	
			149	0.0083	काठ अण्डा	
			150	0.0129	काठ अण्डा	
			151	0.0146	काठ अण्डा	
			152	0.0116	काठ अण्डा	
			153	0.0022	काठ अण्डा	
			154	0.0372	काठ अण्डा	
			155	0.0180	काठ अण्डा	
			156	0.2146	काठ अण्डा	
			157	0.0132	काठ काँची	
			158	0.0925	काठ काँची	
			159	0.0061	काठ अण्डा	
			160	0.0134	काठ अण्डा	
			161	0.0054	काठ अण्डा	
			162	0.2410	काठ काँची	
			163	0.0512	काठ अण्डा	
			164	0.0175	काठ अण्डा	
			165	0.6270	काठ काँची	
			166	0.0032	काठ काँची	
			167	0.0017	श्री सुनंदिन अण्डा	
			168	0.0022	श्री सुनंदिन काठ	

  
 S. L. Nogi  
 Chairman of Project  
 SSVN, LHEP, Bithal

4/16



				489	0.0164	बावळण रोवण
				492	0.0044	बावळण रोवण
				495	0.0022	बावळण रोवण
				498	0.0172	बावळण रोवण
				499	0.0019	बावळण रोवण
				498	0.0056	बावळण रोवण
				489	0.0021	बावळण रोवण
				500	0.0003	बावळण रोवण
				501	0.0010	बावळण रोवण
				1090/718	0.7738	बावळण रोवण
				456/3	0.1690	बावळण रोवण
				488	0.1340	बावळण रोवण
				232	0.0426	बावळण रोवण
				236	0.0829	बावळण रोवण
				238	0.0432	बावळण रोवण
				431/2	0.0051	बावळण रोवण
				229	0.0372	बावळण रोवण
				228	0.0143	बावळण रोवण
				244	0.0133	बावळण रोवण
				245	0.0072	बावळण रोवण
				252	0.0078	बावळण रोवण
				224	0.0013	बावळण रोवण
				331	0.0331	बावळण रोवण
				252	1.0000	बावळण रोवण
				251	0.0001	बावळण रोवण
				302	0.0042	बावळण रोवण
				3100-100	0.7624	बावळण रोवण
				21	0.0374	बावळण रोवण
				22	0.3382	बावळण रोवण
					0.2090	बावळण रोवण
					0.6382	बावळण रोवण
				28	0.4228	बावळण रोवण
					0.5830	बावळण रोवण
					0.0118	बावळण रोवण
				303	0.0093	बावळण रोवण
				304	0.0068	बावळण रोवण
				305	0.0059	बावळण रोवण
				306	0.0085	बावळण रोवण
				309	0.0083	बावळण रोवण
				310	0.0756	बावळण रोवण
				308	0.026	बावळण रोवण
				307	0.6539	बावळण रोवण
				306	0.0516	बावळण रोवण
				307	0.5430	बावळण रोवण
				303	0.7957	बावळण रोवण
					0.7300	बावळण रोवण
					0.0237	बावळण रोवण
				304	0.0138	बावळण रोवण

L. Nogi  
 CHIEF of Project  
 SJVN, LHER, Bilhal

4/16

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			390	0.0389	बजार अखल	
			391	0.0433	बजार अखल	
			392	0.0487	बजार अखल	
			393	0.0477	बजार अखल	
			394	0.0746	बजार अखल	
			395	0.0534	घासनी	
			401	0.0913	घासनी	
			402	0.0138	गैर सुमनिक अखल	
			403	0.0636	घासनी	
			404	0.2671	बखल टोपल	
			405	0.0543	बखल अखल	
			406	0.0301	बखल अखल	
			407	0.1258	बखल अखल	
			408	0.0673	बखल अखल	
			409	0.2738		
				0.2080	बखल अखल	
				0.0120	गैर सुमनिक बीड	
			413	0.0133	घासनी	
			414	0.0175	गैर सुमनिक अखल	
			415	0.0099	बखल अखल	
			416	0.0084	गैर सुमनिक अखल	
			417	0.1882		
				0.1430	बखल अखल	
				0.0262	गैर सुमनिक बीड	
			419	0.0032	गैर सुमनिक अखल	
			420	0.0141	गैर सुमनिक अखल	
			421	0.0474	गैर सुमनिक अखल	
			422	0.0113	गैर सुमनिक अखल	
			423	0.0102	बखल अखल टोपल	
			424	0.0055	गैर सुमनिक अखल	
			425	0.0184	बखल अखल	
			426	0.0189	बखल अखल	
			427	0.2041	बखल अखल	
			428	0.0018	गैर सुमनिक अखल	
			429	0.111	गैर सुमनिक अखल	
			430		गैर सुमनिक अखल	
				0.0140	बखल अखल	
			431	0.0021	बखल अखल	
			432	0.0073	बखल अखल	
			433	0.0022	बखल अखल	
			434	0.127	बखल अखल	
			435	0.0444	बखल अखल	
			436	0.1723		
				0.1000	बखल अखल	
				0.0121	गैर सुमनिक बीड	
			439	0.1462	गैर सुमनिक बीड	
				0.1100	बखल अखल	
				0.0362	गैर सुमनिक बीड	
			441	0.0663	गैर सुमनिक अखल	

  
 E. K. Nogi  
 GDM/Head of Project  
 SVN, LNEP, Bithal


				443	0.0375	बालक अण्डल	
				444	0.0863	द्वैत सुमनित अण्डली	
				445	0.0152	बालक अण्डल	
				446	0.0276	द्वैत सुमनित अण्डल	
				447	0.0053	द्वैत सुमनित अण्डल	
				448	0.2412		
					0.2300	बालक अण्डल	
					0.0112	द्वैत सुमनित अण्डल	
				449	2.1129	बालक अण्डल	
				450	0.0056	बालक अण्डल	
				451	0.0354	बालक अण्डल	
				452	0.2499		
					0.1300	बालक अण्डल	
					0.0199	द्वैत सुमनित अण्डल	
				453	0.0944	बालक अण्डल	
				454	0.0334	बालक अण्डल	
				455	0.0574	बालक अण्डल	
				456	0.0303	बालक अण्डल	
				457	0.0798	बालक अण्डल	
				458	0.0488	बालक अण्डल	
				सिद्ध-71	6.7109		
5	द्वैत	द्वैत	बालक अण्डल द्वैत अण्डल	389	0.1074	बालक अण्डल	
				2	0.0212	द्वैत सुमनित अण्डल	
				3	0.0288	द्वैत सुमनित अण्डल	
				7	0.3477		
					0.3380	बालक अण्डल	
					0.0177	द्वैत सुमनित अण्डल	
				10	0.0953	बालक अण्डल	
				14	0.0174	बालक अण्डल	
				17	0.0471	बालक अण्डल	
				22	0.0173	बालक अण्डल	
				24	0.0477	बालक अण्डल	
				289 388	0.015	बालक अण्डल	
				218 389	0.0148	बालक अण्डल	
				440	0.1818	बालक अण्डल	
				441	0.0165	बालक अण्डल	
				442	0.1183	बालक अण्डल	
				443	0.223	बालक अण्डल	
				444	0.0171	बालक अण्डल	
				445	0.0203	बालक अण्डल	
				446	0.0644	बालक अण्डल	
				447	0.1071	बालक अण्डल	
				448	0.0229	बालक अण्डल	
				449	0.0168	बालक अण्डल	
				450	0.0201	बालक अण्डल	
				451	0.007	बालक अण्डल	
				452	0.1019	बालक अण्डल	
				453	0.0841	बालक अण्डल	
				454	0.0408	बालक अण्डल	

Dr. Nagi  
 Project  
 Bithal

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				43	0.0672	बंदर लटीम
				44	0.0697	बावली
				45	0.0594	बावली
				46	0.1536	बावली
				47	0.2751	बावली
				48	0.096	बावली
				49	0.1344	बावली
				50	0.2025	बावली
				51	0.0877	बंदर लटीम
				बिना-25	1.2225	
1	बिना	बिना	बंदर लटीम बिना	1	0.1304	बावली
				2	0.1266	बावली अचल
				3	0.1217	बावली अचल
				4	0.0027	बंदर लटीम अचल
				5	0.1261	बावली
				6	0.5991	बावली
				7	0.5401	बावली अचल
				8	0.0021	बंदर लटीम अचल
				9	0.0021	बंदर लटीम अचल
				10	0.0021	बंदर लटीम अचल
				11	0.0021	बंदर लटीम अचल
				12	0.0021	बावली अचल
				13	0.0021	बंदर लटीम अचल
				14	0.0021	बंदर लटीम अचल
				15	0.0167	बावली अचल बिना
				16	0.0007	बावली
				17	0.0308	बंदर लटीम अचल
				18	0.0326	बंदर लटीम अचल
				19	0.0844	
					0.0850	बावली अचल
					0.0044	बंदर लटीम अचल
				20	0.2438	बंदर लटीम
				21	0.0367	बावली अचल
				22	0.0028	बावली अचल
				23	0.1416	बावली अचल
				24	0.0913	बंदर लटीम
				25	0.0889	बंदर लटीम
				26	0.0405	बंदर लटीम
				27	0.0401	बंदर लटीम
				28	0.0393	बावली अचल
				29	0.0867	बंदर लटीम
				30	0.0144	बावली
				31	0.0113	बंदर लटीम
				32	0.0063	बावली अचल
				33	0.0372	बावली अचल
				34	0.0136	बावली अचल
					0.0741	बावली अचल बिना
				35		बावली
				36	0.0638	बंदर लटीम
				37	0.0882	बंदर लटीम

Er. D. K. Modi  
 Member of Project  
 Deptt. of Water, Ethal

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				478	0.0373	बंदर बंदी	
				479	0.0329	बंदर बंदी	
				480	0.0277	बंदर	
				481	0.0049	बंदर बंदी	
				482	0.0308	बंदर बंदी	
				483	0.0187	बंदर बंदी	
				484	0.0427	बंदर बंदी	
				485	0.0358	बंदर बंदी	
				486	0.0647	बंदर बंदी	
				487	0.0908	बंदर बंदी	
				488	0.0243	बंदर बंदी	
				489	0.7137	बंदीय बंदर बंदी	
				490		बंदर	
				491	0.0080	बंदर	
				492	0.0111	बंदर	
				493	0.0149	बंदर बंदी	
				494	0.0262	बंदर बंदी	
				495	0.0024	बंदर बंदी	
				496	0.0788	बंदर बंदी	
				497	0.1627	बंदर बंदी	
				498	0.0007	बंदर बंदी	
				499	0.0229	बंदर बंदी	
				500	0.0719	बंदर बंदी	
				501	0.0300	बंदर बंदी	
				502	0.0021	बंदर बंदी	
				503	0.0074	बंदर बंदी	
				504	0.0396	बंदर बंदी	
				बंदर-अ	4.7083		
1	बंदर	बंदर	बंदर बंदी	बंदी	404	0.0027	बंदर बंदी
					405	0.3087	बंदर बंदी
					407	0.1344	बंदर बंदी
					बंदर-अ	0.1322	
2	बंदर	बंदर	बंदर बंदी	बंदी	2	1.1484	
						1.1404	बंदर
						0.0288	बंदर बंदी
					3	0.0099	बंदर बंदी
					4	0.0638	बंदर बंदी
					2526	0.0120	बंदर बंदी
					0116	0.0375	बंदर बंदी
					7	0.0111	बंदर बंदी
					8	0.0165	बंदर बंदी
					9	0.0237	बंदर बंदी
					10	0.0244	बंदर बंदी
					11	0.0170	बंदर बंदी
					11.1	0.0126	बंदर बंदी
					12	0.0172	बंदर बंदी
					13	0.0303	बंदर बंदी
					14	0.0153	बंदर बंदी


 Command of Project  
 SJVN, LNER, Bilhal



			15	0.0777	खार रोपण
			16	0.0254	खार रोपण
			17	0.0260	खार रोपण
			18	0.0237	खार रोपण
			19	0.0160	खार रोपण
			20	0.0001	खार रोपण
			21	0.0070	खार रोपण
			22	0.0180	खार रोपण
			22.1	0.0250	खार रोपण
			23	0.0182	खार रोपण
			23.1	0.0181	खार रोपण
			24	0.0226	खार रोपण
			25	0.1273	बागची
			25.1	4.7430	बागची
			26	0.0021	खार रोपण
			27	8.2528	खार रोपण
			28.28	0.042	खार रोपण
			28.28	0.0007	खार रोपण
			29	0.0757	खार रोपण
			30	0.0528	खार रोपण
			31	0.0402	खार रोपण
			32	0.6750	खार रोपण
			33	6.3200	खार रोपण
			34	0.0364	खार रोपण
			35	0.0021	खार रोपण
			36	0.0142	खार रोपण
			37	0.0128	खार रोपण
			38	0.0120	खार रोपण
			39	0.0148	खार रोपण
			40	0.0070	खार रोपण
			41	0.0003	मैर सुनैलिन रोपण
			42	0.0114	खार रोपण
			42	0.0113	मैर सुनैलिन रोपण
			43	0.0084	बागची
			43	0.3468	मैर सुनैलिन रोपण
			46	0.0002	खार रोपण
			47	0.0216	खार रोपण
			48	0.0247	खार रोपण
			49	0.1118	खार रोपण
			50	0.0218	खार रोपण
			51	0.0140	खार रोपण
			52	0.0012	खार रोपण
			53	0.0239	खार रोपण
			54	4.3197	खार रोपण
			55	0.2532	खार रोपण
			56	0.0176	खार रोपण
			57	0.0188	खार रोपण
			58	0.0120	बागची
			59	0.0160	बागची
			60	0.0009	खार रोपण
			61	0.0178	खार रोपण

21

21

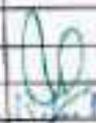
Dr. N. N. Nogi  
 Head of Project  
 SJVN, LHER, Bithal

			61	0.0036	अनार टोपल
			62	0.0247	अनार टोपल
			63	0.0602	अनार टोपल
			64	0.0209	अनार टोपल
			65	0.0297	अनार टोपल
			66	0.0173	अनार टोपल
			67	0.0530	अनार टोपल
			68	0.0617	अनार टोपल
			69	0.0283	अनार टोपल
			70	0.0077	अनार टोपल
			71	0.0340	अनार टोपल
			72	0.0124	अनार टोपल
			73	0.0100	अनार टोपल
			74	0.0073	अनार टोपल
			75	0.0179	अनार टोपल
			76	0.0300	अनार टोपल
			77	4.0400	अनार टोपल
			78	0.0238	अनार टोपल
			79	0.0103	अनार टोपल
			80	0.0073	अनार टोपल
			81	0.0278	अनार टोपल
			82	0.0208	अनार टोपल
			83	0.0400	अनार टोपल
			84	0.0073	अनार टोपल
			85	0.0280	अनार टोपल
			86	0.0083	अनार टोपल
			87	0.0073	अनार टोपल
			88	0.0073	अनार टोपल
			89	0.0100	अनार टोपल
			90	0.0100	अनार टोपल
			91	0.0100	अनार टोपल
			92	0.0100	अनार टोपल
			93	0.0073	अनार टोपल
			94	0.0100	अनार टोपल
			95	0.0100	अनार टोपल
			96	0.0100	अनार टोपल
			97	0.0100	अनार टोपल
			98	0.0100	अनार टोपल
			99	0.0100	अनार टोपल
			100	0.0100	अनार टोपल
			101	0.0100	अनार टोपल
			102	0.0100	अनार टोपल
			103	0.0100	अनार टोपल
			104	0.0100	अनार टोपल
			105	0.0100	अनार टोपल
			106	0.0100	अनार टोपल
			107	0.0100	अनार टोपल
			108	0.0100	अनार टोपल
			109	0.0100	अनार टोपल
			110	0.0100	अनार टोपल
			111	0.0100	अनार टोपल
			112	0.0100	अनार टोपल
			113	0.0100	अनार टोपल
			114	0.0100	अनार टोपल
			115	0.0100	अनार टोपल
			116	0.0100	अनार टोपल
			117	0.0100	अनार टोपल
			118	0.0100	अनार टोपल

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 E. K. Nogi  
 COMM Head of Project  
 S.W.N., LNER, Bimal

				191	0.0198	उपार अणव
				192	0.0140	उपार अणव
				193	0.0268	उपार अणव
				194	0.0173	उपार अणव
				195	0.1265	उपार अणव
				195.1	0.1040	पावली
				196	0.0765	उपार अणव
				197	0.1325	उपार अणव
				198	0.0752	उपार अणव
				199	0.0020	श्री सुश्रुति पद
				201	0.7615	श्री सुश्रुति पुत्र
				202	0.0772	उपार अणव
				203	0.0000	उपार अणव
				204	0.0000	पावली
				205	0.0100	उपार अणव
				206	0.0331	उपार अणव
				207.1	0.0177	उपार अणव
				208.1	0.0157	पावली
				209.1	0.1000	उपार अणव
				210.1	0.7837	पावली
				<b>सिमा-100</b>	<b>4.5637</b>	
9	अणव	अणव	उपार अणव श्री सुश्रुति	1	0.0047	उपार अणव
				2	0.0196	पावली
				3	0.2181	उपार अणव
				4	0.0372	उपार अणव
				5	0.1267	उपार अणव
				6	0.067	उपार अणव
				7	0.0643	श्री सुश्रुति पुत्र अणव
				8	0.0171	उपार अणव
				9	0.0113	उपार अणव
				10	0.0191	उपार अणव
				11	0.0946	उपार अणव
				12	0.0829	उपार अणव
				13	0.0057	उपार अणव
				14	0.0323	उपार अणव
				15	0.0117	उपार अणव
				16	0.0403	उपार अणव
				17	0.0494	उपार अणव
				18	0.0728	उपार अणव
				19	0.0628	उपार अणव
				20.1	0.0156	उपार अणव
				21	0.0011	उपार अणव
				22	0.0124	उपार अणव
				23.1	0.0157	उपार अणव
				24	0.0096	उपार अणव
				25	0.0291	उपार अणव
				26	0.0177	पावली

ERU Negi  
 Chairman of Project  
 S.J.M.N, L.M.E.P, Bithal

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				28	0.1653	मूल्य कायम जीवन पत्रकार
				29	0.0956	बचत अकाउंट
				30	0.0747	बचत अकाउंट
				31	0.0733	बचत अकाउंट
				32	0.0042	श्रीर सुनियम पत्र-1, पत्रकी जरी 6 करोड़
				33	0.0024	श्रीर सुनियम पत्र-1, पत्रकी जरी 6 करोड़
				34	0.0023	श्रीर सुनियम पत्रकार
				35	0.3221	बायल अकाउंट
				36	0.0721	पारसी
				37	0.0142	बायल अकाउंट
				38	0.0533	बायल अकाउंट
				39	0.0435	बायल अकाउंट
				40	0.0446	बायल अकाउंट
				41	0.0526	बायल अकाउंट
				42	0.2283	बायल अकाउंट
				43	0.0546	पारसी
				44	0.0733	पारसी
				45	0.2267	बायल अकाउंट
				46	0.2036	बायल अकाउंट
				47	0.4769	बायल अकाउंट
				48	0.3084	पारसी
				सिमा-47	2.8982	
10	शिवराज	शिवराज	बचत अकाउंट विधि नकल	1	0.0640	पारसी
				2	0.0017	श्रीर सुनियम कुल
				3	0.0960	श्रीर सुनियम पत्र
				17	0.0072	पारसी
				18	0.0290	बचत अकाउंट
				119	0.3201	बायल अकाउंट
				121	0.0380	बायल अकाउंट
				121	0.0136	श्रीर सुनियम पत्रकार
				120	0.0104	श्रीर सुनियम पत्रकार
				128	0.0721	बायल अकाउंट
				127	0.0512	बायल अकाउंट
				126	0.1763	बायल अकाउंट
				सिमा-12	0.4448	
11	शिवराज	शिवराज	बचत अकाउंट विधि नकल	1	0.6857	
					0.5600	बायल अकाउंट
					0.0217	श्रीर सुनियम पत्र
				1	0.0064	श्रीर सुनियम पत्रकार
				सिमा-02	0.6947	
					45.1441	

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Er. R. Negi  
CGM/Head of Project  
SJVN, LHEP, Bhubaneswar

5

1	श्रेणी	वर्ग	सामग्री का नाम	मिटर	0.0125	बंदर लीन	जमा राशि
	-do-	-do-	-do-	4	0.1245	बंदर लीन	-do-
	-do-	-do-	-do-	7	0.1538		
					0.1500	बाइल प्रवाल	-do-
					0.0039	वेर मुनिकेन रीड	-do-
	-do-	-do-	-do-	18	0.6197	बंदर लीन	-do-
	-do-	-do-	-do-	11	0.1232		
					0.1200	बाइल प्रवाल	-do-
					0.0032	वेर मुनिकेन रीड	-do-
	-do-	-do-	-do-	91	0.0141	बाइल प्रवाल	-do-
	-do-	-do-	-do-	12	0.0160	वेर मुनिकेन प्रवासी	-do-
	-do-	-do-	-do-	13	0.0268	वेर मुनिकेन प्रवासी	-do-
	-do-	-do-	-do-	14	0.0127	बाइल प्रवाल	-do-
	-do-	-do-	-do-	15	0.0045	वेर मुनिकेन प्रवाल	-do-
	-do-	-do-	-do-	161	0.0145		
					0.0119	बाइल प्रवाल	-do-
					0.0013	वेर मुनिकेन रीड	-do-
	-do-	-do-	-do-	182	0.0138		
					0.0778	बाइल प्रवाल	-do-
					0.0112	वेर मुनिकेन रीड	-do-
	-do-	-do-	-do-	17	0.0445	बंदर लीन	-do-
	-do-	-do-	-do-	18	0.0248	पारसी	-do-
	-do-	-do-	-do-	26	0.1818		
					0.1447	बाइल प्रवाल	-do-
					0.0138	वेर मुनिकेन रीड	-do-
	-do-	-do-	-do-	31	0.0846	पारसी	-do-
				मिटर-16	0.0478		
2	श्रेणी	वर्ग	सामग्री का नाम	17731	0.0092	बंदर लीन	-do-
	-do-	-do-	-do-	60	0.1504		
					0.1700	पारसी	-do-
					0.0204	वेर मुनिकेन रीड	-do-
	-do-	-do-	-do-	61	0.0056	वेर मुनिकेन प्रवाल	-do-
	-do-	-do-	-do-	17947	0.0173	पारसी	-do-
	-do-	-do-	-do-	3	0.0788	पारसी	-do-
				मिटर-10	0.2213		
कील वर प्रवाल कोठारा					1.1043		
कुल कील वर प्रवाल कील कील, इ.प.					45.2484		
3	श्रेणी	वर्ग	सामग्री का नाम		0.00		
4	श्रेणी	वर्ग	सामग्री का नाम		0.10		

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Er. R. Negi  
CGM/Head of Project  
SJVN, LNEP, Bithal

Deputy Conservator of Forests,  
Kolgarh Forest Division, H.P.

Full Title of the Project: **Sanni Dam Project (382 MW).**

File No. :

Date of Proposal:

CHECK LIST SERIAL NUMBER: - 08

**STATEMENT SHOWING DETAILS OF Private Land PROPOSED FOR DIVERSION**

Sr. No	District	Division	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number or Km. Stone	Private Land proposed for Diversion (Ha)	Legal status of Non-Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Forest	Forest	नासि गुणे तहसील वसत	19	3.2583	प्राची	
				फ्लॉ-1	3.2583		

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**Er. B. Nagi**  
 COO/Head of Project  
 SJVN, LHEP, Bilhal

Full Title of the Project: Sandi Dam Project (382 MW)

File No.:

Date of Proposal:

CHECK LIST SERIAL NUMBER: - 01

STATEMENT SHOWING DETAILS OF Private Land PROPOSED FOR DIVERSION

Sl. No	District	Division	Range/ Tehsil/ Village		Khasra/ Survey or Compartment Number or Km. Sqare	Private Land proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
			Range/ Tehsil	Village				
1	...	...	...	...	184	0.0252	...	
	...	...	...	...	185	0.0246	...	
	...	...	...	...	186	0.1238	...	
	...	...	...	...	187	0.0574	...	
	...	...	...	...	188	0.0318	...	
	...	...	...	...	189	0.0596	...	
	...	...	...	...	190	0.0019	...	
	...	...	...	...	191	0.0214	...	
	...	...	...	...	192	0.0132	...	
	...	...	...	...	193	0.0311	...	
	...	...	...	...	194	0.0203	...	
	...	...	...	...	200	0.0190	...	
	...	...	...	...	195	0.0111	...	
	...	...	...	...	201	0.0142	...	
	...	...	...	...	203	0.0085	...	
	...	...	...	...	204	0.0465	...	
	...	...	...	...	205	0.0297	...	
	...	...	...	...	204	0.0298	...	
	...	...	...	...	207	0.0019	...	
	...	...	...	...	208	0.0091	...	
	...	...	...	...	209	0.0441	...	
	...	...	...	...	210	0.0239	...	
	...	...	...	...	211	0.0118	...	
	...	...	...	...	203	0.0271	...	
	...	...	...	...	206	0.0113	...	
	...	...	...	...	207	0.0532	...	
	...	...	...	...	208	0.0233	...	
	...	...	...	...	209	0.0165	...	
	...	...	...	...	206	0.0173	...	
	...	...	...	...	201	0.0216	...	
	...	...	...	...	202	0.0461	...	
	...	...	...	...	201	0.0130	...	
	...	...	...	...	207	0.0044	...	
	...	...	...	...	208	0.0269	...	
	...	...	...	...	208	0.0168	...	
	...	...	...	...	209	0.0140	...	
	...	...	...	...	202	0.0080	...	
	...	...	...	...	203	0.0120	...	
	...	...	...	...	204	0.0190	...	
	...	...	...	...	204	0.0210	...	
	...	...	...	...	205	0.0017	...	

Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

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			206	0.0738	घारी जयल	
			207	0.4708	घारी जयल	
			208	0.4114	घारी जयल	
			209	0.6259	घारी जयल	
			210	0.0942	घारी जयल	
			211	0.0786	घारी जयल	
			212	0.0778	घारी जयल	
			213	0.0574	घारी जयल	
			214	0.0542	घारी जयल	
			215	0.6779	घारी जयल	
			216	0.7182	घारी जयल	
			217	0.0911	घारी जयल	
			218	0.0911	घारी जयल	
			219	0.0907	घारी जयल	
			220	0.0134	घारी जयल	
			221	0.0219	घारी जयल	
			222	0.0484	घारी जयल	
			223	0.4688	बंदर काठो काठ	
			224	0.0851	बंदर काठो काठ	
			225	0.0712	घारी जयल	
			226	0.0373	घारी जयल	
			227	0.0364	घारी जयल	
			228	0.0712	घारी जयल	
			229	0.0222	बंदर काठो काठ	
			230	0.0267	बंदर काठो काठ	
			231	0.2488	बंदर	
			232	0.0129	डीर सुनडिअ सुन	
			233	0.7171	घारी जयल	
				0.0081	डीर सुनडिअ बंद	
			235	0.1476	घारी जयल	
				0.0148	डीर सुनडिअ बंद	
			238	0.0017	डीर सुनडिअ सुन	
			किरा-12	2.8788		

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Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

क्र.सं.	वर्ग	वर्ग	वर्ग	वर्ग	वर्ग	वर्ग
			19	0.022	वर्गी अथवा	
			20	0.0266	वर्गी अथवा	
			21	0.3056	वर्गी अथवा	
			22	0.8081	वर्गी अथवा	
			23	0.0243	वर्गी अथवा	
			24	0.0234	वर्गी अथवा	
			25	0.1254		
				0.1123	वर्गी अथवा	
				0.0111	वर्गी अथवा	
			26	0.0179	वर्गी अथवा	
			27	0.2242		
				0.2064	वर्गी अथवा	
				0.0178	वर्गी अथवा	
			28	0.0619	वर्गी अथवा	
			29	0.0616	वर्गी अथवा	
			30	0.053	वर्गी अथवा	
			31	0.056	वर्गी अथवा	
			32	0.1281		
				0.1619	वर्गी अथवा	
				0.0142	वर्गी अथवा	
			33	0.0166	वर्गी अथवा	
			34	0.0063	वर्गी अथवा	
			35	0.1287		
				0.1214	वर्गी अथवा	
				0.0061	वर्गी अथवा	
			36	0.0283	वर्गी अथवा	
			37	0.0012	वर्गी अथवा	
			38	0.1317		
				0.1211	वर्गी अथवा	
				0.0117	वर्गी अथवा	
			39	0.0011	वर्गी अथवा	
			40	0.0082	वर्गी अथवा	
			41	0.0291	वर्गी अथवा	
			42	0.0191	वर्गी अथवा	
			43	0.0522	वर्गी अथवा	
			44	0.0063	वर्गी अथवा	
			45	0.0191	वर्गी अथवा	
			46	0.0342	वर्गी अथवा	
			47	0.0398	वर्गी अथवा	
			48	0.0122	वर्गी अथवा	
			49	0.0169	वर्गी अथवा	
			50	0.0287	वर्गी अथवा	
			51	0.0284	वर्गी अथवा	
			52	0.0051	वर्गी अथवा	
			53	0.0101	वर्गी अथवा	
			54	0.0118	वर्गी अथवा	
			55	0.0136	वर्गी अथवा	
			56	1.7211		

Er R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

3	वर्ग	वर्ग	समान वर्गों के लिए लागत	33		वर्ग
				43	8.2848	
					0.0000	वर्ग
					0.1740	वर्ग
				34	8.2879	
					0.7500	वर्ग
					0.6121	वर्ग
					0.5018	वर्ग
				35	0.0082	वर्ग
				36	0.0080	वर्ग
				37	0.0083	वर्ग
				38	0.6179	वर्ग
				39	0.6194	वर्ग
				40	0.6198	वर्ग
				41	0.0033	वर्ग
				42	0.0194	वर्ग
				43	6.6740	वर्ग
				100-10		
4	वर्ग	वर्ग	समान वर्गों के लिए लागत	100/1	0.0000	वर्ग
				100-1	0.0000	
5	वर्ग	वर्ग	समान वर्गों के लिए लागत	10	0.0100	वर्ग
				11	0.0018	वर्ग
				12	0.0297	वर्ग
				13	0.0219	वर्ग
				14	0.0018	वर्ग
				15	0.0162	वर्ग
				16	0.0427	वर्ग
				17	0.1019	वर्ग
				18-43	0.0000	वर्ग
				54-55	0.1008	वर्ग
				60-117	0.1733	
					0.1600	वर्ग
					0.0138	वर्ग
				44-1	0.0894	वर्ग
				48-1	0.1000	वर्ग
				122	0.0077	वर्ग
				125	0.0212	वर्ग
				126	0.0020	वर्ग
				129	0.0270	वर्ग
				138-137-1	0.0740	वर्ग
				142-117	0.6152	वर्ग
				151-119	0.2900	वर्ग
				128-2	0.9700	वर्ग
				143-137-2	0.3128	वर्ग
				153-83-2	0.1180	वर्ग
				1000-28	1.7954	
6	वर्ग	वर्ग	समान वर्गों के लिए लागत		6.80	

*(Signature)*

*(Signature)*

Er. R. L. Negi  
CGM/Head of Project  
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7	वर्ग	वर्ग	वर्ग वर्ग विधि वर्ग	2011	0.8636	
					0.8007	बदली देवरा
					0.8089	वेर सुनिक-बी
				243177	0.0029	बदली देवरा
				224	0.0753	बदली बदली कलपट
				223	0.1473	बदली जयरा
				2241	0.1918	बदली जयरा
				227	0.1479	बदली जयरा
				232	0.1429	बदर बदली कल
				281	0.0179	वेर सुनिक-सुन
				2302	0.0300	वेर सुनिक-सुन
				262261/24/2	0.0055	बदली देवरा
				284/27/1	0.0340	बदली देवरा
				30	0.1175	बदली जयरा
				31	0.0801	बदली जयरा
				8807-18	1.4437	
8	वर्ग	वर्ग	वर्ग वर्ग विधि वर्ग	77	0.0036	वेर सुनिक-सुन
				27	0.9268	
					0.1183	बदली जयरा
					0.0021	वेर सुनिक-बी
				22	0.0433	बदली जयरा
				22	0.1913	बदली जयरा
				23	0.0180	वेर सुनिक-सुन विद्यार्थी
				24	0.0036	वेर सुनिक-सुन
				25	0.0029	वेर सुनिक-सुन
				48	0.2746	बदली देवरा
				47	0.0615	बदली देवरा
				49	0.0172	बदर बदली कल
				977499	0.9382	
					0.3227	बदली देवरा
					0.0903	वेर सुनिक-बी
					0.0230	वेर सुनिक-सुन
				108	0.0005	बदली देवरा
				124	0.1120	बदली देवरा
				225	0.0018	वेर सुनिक-सुन
				226	0.0538	बदली देवरा
				227	0.0043	बदली
				288	0.0649	वेर सुनिक-सुन
				213	0.0012	वेर सुनिक-सुन
				214	0.0040	बदर बदली कल
				215	0.0511	वेर सुनिक-सुन
				209	0.0024	वेर सुनिक-सुन
				210	0.0300	वेर सुनिक-सुन
						वेर सुनिक-सुन बदर बदली कल
				218	0.0249	
				212	0.0017	वेर सुनिक-सुन
				8807-18	2.4210	

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CGM/Head of Project  
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9	वर्ग	वर्ग	समान आकार की जमीन का क्षेत्रफल			
	...	...	...	177.1	0.0054	खंडीय
	...	...	...	175.1	0.0257	खंड का आकार का
	...	...	...	118	0.0020	खंडीय
	...	...	...	247	0.0053	खंड का आकार का
	...	...	...	219	0.0040	खंड का आकार का
	...	...	...	218	0.0255	खंड का आकार का
	...	...	...	252	0.0210	खंड का आकार का
	...	...	...	233	0.0417	खंड का आकार का
	...	...	...	254	0.0874	खंड का आकार का
	...	...	...	255	0.0313	खंड का आकार का
	...	...	...	239	0.0408	खंड का आकार का
	...	...	...	257	6.1285	खंड का आकार का
	...	...	...	281	0.0186	खंड का आकार का
	...	...	...	262	0.0308	खंड का आकार का
	...	...	...	254	0.0551	खंड का आकार का
	...	...	...	255/1	6.1285	खंड का आकार का
	...	...	...	255/2	0.0235	खंड का आकार का
				कुल-17	6.9227	
10	वर्ग	वर्ग	समान आकार की जमीन का क्षेत्रफल		0.00	
11	वर्ग	वर्ग	समान आकार की जमीन का क्षेत्रफल		0.00	
					11.8975	
					46.7484	
					58.1459	

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Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Certificate

Certified that the land in question recorded in the check list No.8(i.e. list of private/non forest land ) has not been recorded as ' Forest' in revenue record .

  
**Deputy Conservator of Forests,**  
**Kotdum Forest Division, H.P.**  
Kotdum Forest Division, H.P.

File No.DCOM-LR0ADM4(LRC)/21/2019-LRC Branch-DC Office Mandi

U7145/2019(1)

**OFFICE OF THE DISTRICT COLLECTOR, MANDI DISTRICT, MANDI, H.P.**

No./MNDLRC/2019- **46750-51** Dated: **26-10-2019**  
Non Availability Certificate

In view of recommendation of Sub Divisional Officer (Civil), Karsog District Mandi H.P. the non availability certificate of non forest land for the construction of Sanni Dam HEP in Tehsil Karsog, District Mandi HP in respect of following land is hereby issued:-

Sr. No	District	Division	Range/Tehsil/Village	Khura/Survey or Compartment Number or Kms. Stone	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area
1	Mandi	Karsog	Bhaura	338/2/1/1	1.8186	Jungle Melhaja Mehada
				340/335/1	13.6519	Jungle Melhaja Mehada
				343-134/1	4.5104	Jungle Melhaja Mehada
				Kha 3	19.9809	
				253/1	0.2630	Gair Manjhar Khat
				294	0.1430	Charagh Vile Dakhtra
				293	0.0273	Charagh Dakhtra
				296	0.0190	Charagh Vile Dakhtra
				330/1	0.3021	Charagh Dakhtra
				331	10.0132	Gair Manjhar Darya
				329	0.6006	Charagh Dakhtra

*Handwritten signatures*

**Negi**  
 M/Head of Project  
 ZN, LHEP, Bithal

File No.DCOM-LR0ADM4(LRC)/21/2019-LRC Branch-DC Office Mandi

			344/154/1	0.0356	Chargah Drakhtan
			KRa-8	11.4358	
		Jalashay	252/2/1	0.5411	Gair Mumkin Khaal
do	do	do	255/1	0.1376	Chargah Drakhtan
do	do	do	256	0.0138	Gair Mumkin Gharat
do	do	do	257	0.0158	Chargah VBa Drakhtan
do	do	do	259	0.0030	Gair Mumkin Gharat
do	do	do	260	0.0170	Gair Mumkin Gharat
do	do	do	261	0.0198	Gair Mumkin Gharat
do	do	do	330/2	0.6812	Chargah Drakhtan
do	do	do	34M/54/2	1.9532	Jungle Mehfaja Mehada
			KRa-9	3.0847	
			KRa-20	34.7994	
Mandi	Karsag	Hahog	11	2.2551	Jungle Mehfaja Mehada
do	do	do	12	0.4162	Chargah Drakhtan
do	do	do	13	0.3261	Gair Mumkin Nala

Er. R. S. Negi  
CGM Road of Project  
SJVN, LHEP, Bawal

File No.DCOM-LR0ADM4(LRC)21/2013-LRC Branch-DC Office Mandi

				34	0.4507	Charagah Drakhtan
				39	0.0148	Charagah Vila Drakhtan
				40	0.0364	Charagah Vila Drakhtan
				43	0.3800	Charagah Drakhtan
				57/1	0.0030	Charagah Drakhtan
				63	4.3819	Gair Musakla Dariya
				64/1	4.6610	Jungle Melhaja Melaluda
				65/1	0.1647	Jungle Melhaja Melaluda
				32/1	0.0079	Jungle Melhaja Melaluda
				12/1	0.2205	Charagah Drakhtan
				33/2/1	0.3532	Gair Musakla Nala
				14	13.6269	
1	Mandi	Karag	Jaklin	44	0.0578	Charagah Drakhtan
				46	0.0121	Gair Musakla

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Er. R. Negi  
CGM/Head of Project  
SJVN, LHEP, Bimal

File No.DCOM-L.R0ADM4(LRC)/21/2019-LRC Branch-OC Office Mandi

452019(1)

	--do--	--do--	--do--	47/1	0.0716	Gair Mumkin Nala
	--do--	--do--	--do--	92	0.0309	Chiragah Drakhtan
	--do--	--do--	--do--	120/98/1	1.4742	Chiragah Drakhtan
	--do--	--do--	--do--	122/98/1	3.5815	Jungle Mehfuja Mehuluda
	--do--	--do--	--do--	101	1.1504	Gair Mumkin Dariya
	--do--	--do--	--do--	109	2.4958	Gair Mumkin Dariya
	--do--	--do--	--do--	121/98/1	1.2429	Jungle Mehfuja Mehuluda
	--do--	--do--	--do--	472/1	0.2119	Gair Mumkin Nala
	--do--	--do--	--do--	93/1	0.1076	Chiragah Drakhtan
	--do--	--do--	--do--	41/1	0.0498	Chiragah Drakhtan
	--do--	--do--	--do--	41/2	0.0138	Chiragah Drakhtan
	--do--	--do--	--do--	442/1	0.1246	Chiragah Drakhtan
				<b>Kita-14</b>	<b>18.6248</b>	
4	<b>Mandi</b>	<b>Karseg</b>	<b>Mughan</b>	177	8.1768	Gair Mumkin
	--do--	--do--	--do--	178	4.9726	Gair Mumkin
	--do--	--do--	--do--	179/1/1	3.4974	Chiragah

*Er. Negi*

Er. *Negi*  
CGM Head of Project  
SJVN, LHEP, Bithal

File No.DCOM-LR0ADM4(LRC)/21/2016-LRC Branch-DC Office Mandi

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	---	---	---	181/1/1	0.7642	Charagah Drakhtan
	---	---	---	182/1/1	2.7658	Jungle Mehfuja Mehduka
	---	---	---	183/1/1	0.4060	Jungle Mehfuja Mehduka
	---	---	---	179/1/2/1	1.3779	Charagah Drakhtan
				Kita-07	22.2516	
5	Mandi	Karsag	Fajbar	131	4.1865	Gair Munkin Dariya
	---	---	---	132	3.2100	Gair Munkin Dariya
	---	---	---	127	0.8226	Gair Munkin Dariya
	---	---	---	156/43	0.0807	Charagah Drakhtan
	---	---	---	135/43/1	2.1242	Charagah Drakhtan
	---	---	---	447/41/1	0.2614	Charagah Drakhtan
	---	---	---	130/1	5.7501	Charagah Drakhtan
	---	---	---	152/139/1	0.5434	Charagah Drakhtan
	---	---	---	152/139/2	0.5016	Charagah Drakhtan
	---	---	---			Charagah Drakhtan
	---	---	---	3/1	0.0057	Charagah Drakhtan
	---	---	---			Charagah Drakhtan
	---	---	---	52/1	0.0314	Charagah Drakhtan
	---	---	---	111/1	0.0250	Barnal
	---	---	---	12	0.0595	Gair Munkin Dariya
	---	---	---		0.1270	Barnal

*[Handwritten initials]*

Er. L. Nogi  
 CGM, Head of Project  
 SJVN, LHEP, Bihari

File No.DCOM-L.R0ADM4(LRC)21/2019-LRC Branch-DC Office Mandi

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	do	do	do	118	0.0255	Barnali Abhal
	do	do	do	152/139/3/1	0.6262	Charagah Drakhtan
	do	do	do	155/43/2	0.0782	Charagah Drakhtan
	do	do	do	155/43/3	0.6410	Charagah Drakhtan
				Kita-18	18.2982	
6	Mandi	Karsog	Khannauch	78/1	2.3743	Jungle Meljupa Melhuan
	do	do	do	79	1.5417	Charagah Drakhtan
	do	do	do	2/1	0.4957	Gair Mumbin Khol
				Kita-03	4.6117	
7	Mandi	Karsog	Parlog	254/1/1	1.0934	Jungle Meljupa Melhuan
	do	do	do	257/37/1	1.1844	Charagah Drakhtan
	do	do	do	233/1	1.4005	Gair Mumbin Dorte
	do	do	do	233	3.2423	Gair Mumbin Dorte
	do	do	do	233/2	0.1718	Gair Mumbin Dorte
	do	do	do	227	0.0419	Jungle Meljupa Melhuan
	do	do	do	228/1	0.3207	Charagah Drakhtan
	do	do	do	229	0.0076	Charagah Drakhtan

*Handwritten initials/signatures*

Er. R. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

W71452019(1)

File No.DCOM-L.R0ADM4(LRC)/21/2019-LRC Branch-DC Office Mandi

	--do--	--do--	--do--	232/1	0.0880	Gair Mumkin Khud
	--do--	--do--	--do--	235/24/1	0.2434	Charagah Drakhtan
	--do--	--do--	--do--	255/1/1	2.6162	Charagah Drakhtan
	--do--	--do--	--do--	235/24/2/1	1.4717	Charagah Drakhtan
	--do--	--do--	--do--	235/24/1/1	2.1851	Charagah Drakhtan
	--do--	--do--	--do--	228/2	0.1584	Charagah Via Drakhtan
	--do--	--do--	--do--	228/3	0.7553	Charagah Via Drakhtan
	--do--	--do--	--do--	259/139/1	0.3611	Charagah Drakhtan
	--do--	--do--	--do--	259/139/1	0.1092	Jungle Mehfaja Mehfaia
	--do--	--do--	--do--	256/9/1	0.5792	Jungle Mehfaja Mehfaia
	--do--	--do--	--do--	232/2	0.3514	Gair Mumkin Khud
	--do--	--do--	--do--	28	0.0077	Charagah Via Drakhtan
	--do--	--do--	--do--	292/261/24	0.0162	Burani Bayan
				Kita-23	17.0455	
8	Mandi	Karsag	Bela Dhand	220/1	0.0654	Gair Mumkin Khud
	--do--	--do--	--do--	221	0.3978	Charagah Drakhtan
	--do--	--do--	--do--	230	0.1393	Charagah Drakhtan
	--do--	--do--	--do--	234	0.0449	Charagah Via Drakhtan
	--do--	--do--	--do--	229/251/1	2.3196	Charagah Drakhtan
	--do--	--do--	--do--	231/1	3.5912	Charagah Drakhtan

*[Handwritten signatures]*

Er. *[Signature]* Nagi  
 CGM, In-charge of Project  
 SJVN, LHEP, Bithal

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File No.DCOM-L.R0ADM4(LRC)/21/2019-LRC Branch-DC Office Mandi

--do--	--do--	--do--	371	8.2444	Gair Mumkin Dariya
--do--	--do--	--do--	372	10.9779	Gair Mumkin Dariya
--do--	--do--	--do--	967	8.8744	Gair Mumkin Dariya
--do--	--do--	--do--	966	0.9386	Gair Mumkin Dariya
--do--	--do--	--do--	483	0.0396	Charagha Drukhan
--do--	--do--	--do--	486	0.0064	Gair Mumkin Gualtar
--do--	--do--	--do--	488	0.0132	Gair Mumkin Rasta
--do--	--do--	--do--	975/490/1	0.0647	Charagha Drukhan
--do--	--do--	--do--	481/1	7.2877	Charagha Drukhan
--do--	--do--	--do--			Gair Mumkin Khad
--do--	--do--	--do--	1/1	0.1736	
--do--	--do--	--do--			Charagha Drukhan
--do--	--do--	--do--	163/1	0.2484	
--do--	--do--	--do--			Charagha Drukhan
--do--	--do--	--do--	207/1/1	0.2143	
--do--	--do--	--do--			Gair Mumkin Khat
--do--	--do--	--do--	220/2	0.3166	
--do--	--do--	--do--	213	0.0049	Gair Mumkin n Sahar
--do--	--do--	--do--	216	0.0055	Gair Mumkin Gharat
--do--	--do--	--do--			Gair Mumkin
--do--	--do--	--do--	217	0.0073	

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CGM/In-charge of Project  
SJVN, LHEP, Bilhal

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File No.DCOM-I..ROADM4(LRG)/21/2019-LRG Branch-DG Office Mandi

			219	0.5153	Charugah Drakhtan
			Kho-23	38.2072	
Mandi	Karog	Kharjoll	601	1.8091	Gair Munkin Darjra
			601	1.0261	Charugah Drakhtan
			611	0.4535	Charugah Drakhtan
			741	0.2954	Charugah 1 Ba Drakhtan
			1781	0.2747	Charugah Drakhtan
			2121	0.0663	Charugah Drakhtan
			2161	0.0119	Charugah Drakhtan
			2171	0.2475	Charugah Drakhtan
			2271	0.3369	Charugah Drakhtan
			2411	0.4100	Charugah Drakhtan
			2421	0.3103	Charugah Drakhtan
			2601	0.0580	Charugah Drakhtan
			2651	0.0116	Charugah Drakhtan
			2921	0.0147	Gair Munkin Nole
			2931	0.2530	Charugah Drakhtan
			3001	1.2084	Charugah Drakhtan
			3021	0.9497	Charugah Drakhtan
			3031	0.4430	Charugah Drakhtan
			3041	0.6500	Charugah Drakhtan
			305	1.1164	Gair Munkin
			301	0.014	Gair Munkin
			302242	4.115	Gair Munkin

*[Handwritten initials]*

Er. *[Signature]* Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

File No.DCOM-LR0ADM4(LRC)21/2019-LRC Branch-DC Office Mandi

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	do	do	do	217/2	0.0781	Charagah Drakhtan
	do	do	do	227/2	0.1673	Charagah Drakhtan
	do	do	do	241/2/1	0.0904	Charagah Drakhtan
	do	do	do	243/2	0.7820	Charagah Drakhtan
	do	do	do	246	0.0641	Charagah Drakhtan
	do	do	do	260/2/1	0.5142	Charagah Drakhtan
	do	do	do	263	0.0508	Charagah Drakhtan
	do	do	do	265/2/1	0.2364	Charagah Drakhtan
				Kita-30	28.0676	
	Mandi	Karsag	Chahr	965/1	0.4528	Jungle suchfaja Mohanda
10	do	do	do	966/1	0.0141	Gair Manakha Noh
	do	do	do	967	1.6565	Gair Manakha Darjat
	do	do	do	KCJa-03	3.1234	
				968		
				969		
				970	0.0071	Gair Manakha
11	Mandi					

*k*

*dm*

Er. R.K. Negi  
CGM Head of Project  
SJVN, LHEP, Bimal

File No.DCOM-L.R0ADM4(LRC)/21/2019-LRC Branch-DC Office Mandi

2019(1)

	--do--	--do--	--do--	763/1	3.1586	Gair Mumkin Daryu
	--do--	--do--	--do--	776/633/1	0.1731	Charagoh Vilo Drakhtan
	--do--	--do--	--do--	762/1	4.0158	Charagoh Vilo Drakhtan
	--do--	--do--	--do--	774/670/1	0.6300	Charagoh Vilo Drakhtan
				Ki-85	5.9829	
				Total	197.2404	
	Add Underground/ National Area for Power House Tunnel in Mahul Bhaure				3.1845	
	Net Total in Karsog Division				200.4249	

It is certified that there is no non forest land available in above noted namely Bhaure, Jalachy, Bolog, Jakles, Megan, Fofhan, Khanauch, Parlog, Bela Dhank, Kharyali, Choon & Tandal for the said purpose.

*[Signature]*  
District Collector,  
Mandi District, Mandi H.P.

Dated:- 26-10-2019

Order No.

46750-51

Copy forwarded to:

- 1) The Sub Divisional Officer (Civil) Karsog, District Mandi H.P for information and necessary action.
- 2) The AGM (Env.) Sural Dam HEP, SJVN Ltd., Bithal, Tehsil Kumaesain, District Shimla H.P. for information and necessary action.

*[Signature]*  
District Collector,  
Mandi District, Mandi H.P.

Er. R.H. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Dated Shimla 17/06/18

June, 2018

**NON AVAILABILITY OF NON FOREST LAND CERTIFICATE**

Certified that no suitable alternative Non Forest Land is available for the C/o Sui Data HEP in District Shimla, Himachal Pradesh, and diversion of forest land measuring 105.1592 hect. is essential which cannot be avoided. The detail of forest land is as under:-

Sr. No.	Name of Tehsil	Name of Manja	Khasm No.	Area in hect.	Classification
1.	Soni	Luzon	13	0.5502	Charagah Darakhtan
			38	0.2431	Charagah Bils Darakhtan
			654/354/1	1.2029	Charagah Darakhtan
		Khokra	2471	18.0536	Charagah Bils Darakhtan
			252	0.0117	Gair Manjia Nallah
			360/1	2.4143	Charagah Bils Darakhtan
			336/363/1	7.7386	Charagah Bils Darakhtan
			206	0.0537	Charagah Bils Darakhtan
			208	0.0872	Charagah Bils Darakhtan
			229	0.0444	Charagah Bils Darakhtan
			239	0.1924	Charagah Bils Darakhtan
			232	0.0499	Charagah Darakhtan
			257	0.0464	Charagah Bils Darakhtan
			258	0.0364	Charagah Bils Darakhtan
			267	0.3175	Charagah Bils Darakhtan
			285	0.0052	Charagah Bils Darakhtan
			289	0.0126	Charagah Bils Darakhtan
			290	0.3130	Gair Manjia Nallah

Er. R.L. Negi  
Head of Project  
SJVN, LHEP, Bithal

Er. R.L. Negi  
09/07/18

Sony  
Er. R.L. Negi  
17/06/18

(Signature)

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

		291	0.0143	Charagh Darakhtan	Bila
		292	0.0229	Charagh Darakhtan	Bila
		317	0.3756	Charagh Darakhtan	Bila
		319	0.4507	Charagh Darakhtan	Bila
	Jaise	271	0.3729	Charagh Darakhtan	
		371	1.7405	Charagh Darakhtan	Bila
		471	0.7959	Charagh Darakhtan	
		571	0.9620	Charagh Darakhtan	Bila
		671	0.5452	Charagh Darakhtan	
		10	0.8711	Charagh Darakhtan	
		131	0.4258	Charagh Darakhtan	
		9	1.4760	Charagh Darakhtan	
		1091/113	0.1098	Charagh Darakhtan	Bila
		276	0.0180	Charagh Darakhtan	Bila
		230	0.0343	Charagh Darakhtan	Bila
		251	0.0066	Gair Mumkin Nallah	
		370	0.0104	Charagh Darakhtan	Bila
		583/1	0.8784	Charagh Darakhtan	
		438/1	0.8307	Charagh Darakhtan	Bila
		426/1	0.0081	Charagh Darakhtan	
		490	0.0119	Charagh Darakhtan	Bila
		491	0.0053	Charagh Darakhtan	Bila
		502/1	0.0077	Charagh Darakhtan	Bila
		505/1	0.0318	Gair Mumkin Nallah	
	Blarasa	1/1	0.0058	Gair Mumkin Nallah	
		191	0.9911	Charagh Darakhtan	Bila
		25	0.4930	Charagh Darakhtan	

Er. R. L. Negi  
Head of Project  
SJVN, LHEP, Bithal

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Er. R. L. Negi  
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SJVN, LHEP, Bithal

		37	0.1912	Charagah Darakhtan
		401	4.3539	Charagah Darakhtan
		417	0.2573	Charagah Darakhtan
		429	0.3775	Charagah Bila Darakhtan
		439	0.1353	Charagah Darakhtan
		483/1	0.0136	Charagah Darakhtan
		845/489/1	1.1769	Charagah Darakhtan
		846/489/1	0.3902	Charagah Darakhtan
	<b>Talab</b>	291/1	3.7506	Charagah Darakhtan
		288/1	0.2515	Gair Mumkin Nallah
		56/1	1.9257	Charagah Bila Darakhtan
		4	0.1503	Charagah Bila Darakhtan
		383/1	0.2777	Charagah Darakhtan
		11/1	0.0038	Charagah Bila Darakhtan
		354	0.4454	Charagah Darakhtan
		385	4.0469	Charagah Darakhtan
		463/1	1.1363	Charagah Darakhtan
	<b>OgB</b>	108/1	1.1491	Charagah Darakhtan
		913/51	0.1540	Charagah Darakhtan
		914/351/2	0.0228	Charagah Darakhtan
		914/351/1	0.2002	Charagah Darakhtan
		912/351/1	5.6533	Charagah Darakhtan
		455/1	1.1245	Charagah Darakhtan
		458	0.0110	Charagah Bila Darakhtan
		460	0.0546	Charagah Bila Darakhtan
		461	0.0126	Charagah Bila Darakhtan
		467	0.0324	Charagah Bila Darakhtan
		470	0.0066	Charagah Bila Darakhtan
		805/1	0.5334	Charagah Bila Darakhtan
		815/1	0.1154	Gair Mumkin Nallah
	<b>Kothi</b>	4/1	0.9803	Charagah Bila Darakhtan

Er. R.L. Negi  
Head of Project  
SJVN, LHEP, Bithal

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Er. R.L. Negi

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Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

		602	0.0861	Chungah Darakhon
		609/1	1.0408	Chungah Darakhon
		25/1	0.0999	Gair Mumkin Nafah
		601	0.0129	Chungah Darakhon
	<b>Malgi</b>	72	0.2468	Chungah Darakhon
		199	0.2059	Gair Mumkin Nafah
		386	0.1482	Chungah Bila Darakhon
		297/1	0.4375	Chungah Bila Darakhon
	<b>Bathora</b>	2/1	0.4946	Gair Mumkin Nafah
		5	0.0281	Chungah Bila Darakhon
		7	0.0189	Chungah Darakhon
		141/1	0.2437	Chungah Bila Darakhon
		143	0.0468	Chungah Bila Darakhon
		144	0.3554	Chungah Bila Darakhon
		145	3.4078	Chungah Bila Darakhon
		602/1-6	0.1076	Chungah Bila Darakhon
		601/146/1	0.4880	Chungah Bila Darakhon
	<b>Pandua</b>	1/1	0.6022	Gair Mumkin Khud
		4	3.0233	Chungah Darakhon
		8	0.1990	Chungah Darakhon
		547/225	0.0857	Chungah Darakhon
		246/225	1.2195	Chungah Darakhon
	<b>Grahina</b>	4/1	0.3424	Chungah Darakhon
		3/1	2.4724	Chungah Darakhon
		80/1	0.3081	Gair Mumkin Khud
	<b>Kotgarh Jhangan</b>	199 ✓	3.6108 ✓	Chungah Darakhon
		2 ✓	2.2602 ✓	Chungah Darakhon
	<b>Majrog</b>	61 ✓	0.0114 ✓	Chungah Bila Darakhon
		62 ✓	1.5980 ✓	Chungah Darakhon
		65/1 ✓	0.0696 ✓	Gair Mumkin Khud
		66 ✓	0.5371 ✓	Chungah Darakhon
		38 ✓	0.7153 ✓	Chungah Darakhon

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SJVN, LHEP, BITHAL

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Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, BITHAL

		2 ✓	1,2130 ✓	Chiragah Darakhan
		2 ✓	1,4711 ✓	Chiragah Darakhan
		31 ✓	2,1182 ✓	Chiragah Darakhan
		<b>Total</b>	<b>105,1592</b>	
	<b>Non-Forest Land</b>	238	9,0167	Gair Mamkin Daraja
		2639	0,1335	Gair Mamkin Ruzi
		203	0,0093	Gair Mamkin Ruzi
		294	0,0319	Gair Mamkin Sotik
		1	3,7834	Gair Mamkin Daraja
		7	3,8788	Gair Mamkin Daraja
		8	1,1430	Gair Mamkin Daraja
		2241	0,0458	Gair Mamkin Kubul
		3037	0,0029	Gair Mamkin Kubul
		251	1,9042	Gair Mamkin Daraja
		400	3,8704	Gair Mamkin Daraja
		084	0,0247	Gair Mamkin Ruzi
		417	0,0360	Gair Mamkin Ruzi
		443	0,0284	Gair Mamkin Ruzi
		4071	0,0084	Gair Mamkin Ruzi
		1	3,2536	Gair Mamkin Daraja
		2	3,7149	Gair Mamkin Daraja
		3	0,1404	Gair Mamkin Ruzi
		491	4,2193	Gair Mamkin Daraja
		1	3,5226	Gair Mamkin Daraja
		2	6,5874	Gair Mamkin Daraja
		154	0,0033	Gair Mamkin Quter
		1	1,8688	Gair Mamkin Daraja
		1	4,5444	Gair Mamkin Daraja
		18	0,8924	Gair Mamkin Daraja
		214	7,1000	Gair Mamkin Daraja
		213	2,8259	Gair Mamkin Daraja
		1	2,3226	Gair Mamkin Daraja
		1 ✓	7,4322 ✓	Gair Mamkin Daraja
		1 ✓	7,6302 ✓	Gair Mamkin Daraja
		318871 ✓	0,0100 ✓	Kiyar Khan
		31679 ✓	0,0086 ✓	Bazjar Kadent
		1 ✓	0,1728 ✓	Gair Mamkin Daraja
		1/1 ✓	1,1105 ✓	Gair Mamkin Daraja
		1/1	5,6099	Gair Mamkin Daraja
		2 ✓	1,3362 ✓	Gair Mamkin Daraja
		<b>Total</b>	<b>88,8896</b>	
	<b>Encroached Land</b>	37	0,2223	Bakhal Dooz

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		132	0.0261	Bogicha	Bithal
				Janyam Foldar	
		309	0.0070	Kayar Awal	
		292	0.0044	Bakhal Awal	
		494	0.0080	Bakhal Awal	Doyam
				Foldar	
		118	0.1103	Bakhal Awal	
		117	0.0006	Bakhal Awal	
		118	0.0142	Bakhal Awal	
		234	0.1009	Bakhal Awal	
		403	0.0951	Bakhal Awal	
		406	0.0373	Bakhal Doyam	
		200	0.0194	Bakhal Doyam	
		5	0.0813	Bakhal Awal	
		6	0.1513	Bakhal Awal	
		2	0.0078	Bakhal Awal	
		3	0.0208	Bakhal Awal	
		603	0.1228	Bakhal Doyam	
		606	0.0134	Bakhal Awal	
		608	0.0198	Bakhal Doyam	
		600	0.0392	Bakhal Doyam	
		5	0.017	Kayar Doyam	
		4	0.0832	Kiyar Awal	
		5	0.003	Gair Mumkin Mitan	
		6	0.0055	Bogicha Foldar	
		213	0.0797	Bakhal Awal	
		67 ✓	0.0338	Kiyar Doon	✓
		Total	1.1712		

Er. R. L. Negi  
Head of Project  
SJVN, LHEP, Bithal

Order No. SMI-SR(57)2012- 1824  
Forwarded to the AGM (Env.) Sui Dam HEP, SJVN Ltd. Bithal, Tehsil  
Kannayin, District Shimla for further necessary action

Deputy Commissioner,  
Shimla District Shimla  
Date: 20/04/18

Deputy Commissioner,  
Shimla District Shimla

S. A. N. (E. M.)

18/04/18

Er. R. L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

No.SML-SR-57/2018-953  
Office of the Deputy Commissioner,  
Shimla, District Shimla, H.P.

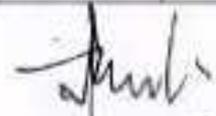
Dated, Shimla-1 the

26<sup>th</sup> October, 2019.

**NON-AVAIALABILITY OF NON FOREST LAND CERTIFICATE**

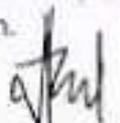
In continuation of this office letter No. SML-SR-(57)/2012-1824 dated 30-6-2018, the additional forest land measuring area 00-66-20 Hectare situated in Mohal Lunsu and Khaira Tehsil Sunni & District Shimla, Himachal Pradesh for Non availability of Non Forest land for the construction of Sunni Dam HEP in District Shimla, Himachal Pradesh is essential and which can not be avoided since no suitable alternative Non-Forest Land is available. The diversion of additional forest land is as under:

Sr. No	Name of Tehsil	Name of Mauja/ Mohal	Khasra No.	Area in Hectare	Classification of land
1	Sunni	Lunsu	35	00-18-61	Charagah Drakhtan Billa
			50	00-14-80	Charagah Drakhtan Billa
			Kita-2	00-33-41	
		Khaira	360/3/1	00-32-79	Charagah Drakhtan Billa
			Kita-1	00-32-79	
		Grand Total	Kita-3	00-66-20	

  
Deputy Commissioner,  
Shimla.

Endst No. As above. 953  
Forwarded to the AGM (Env.), Sunni Dam HEP, SJVN Ltd, Bithal, Tehsil Kumarsain, Shimla(HP) for further necessary action.

Dated: 26/10/2019.

  
Deputy Commissioner,  
Shimla

Er. N. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Envt-325  
02/11/19

Se M46  
2/11/19

2/11/19

Full title of the project: Sunni Dam Hydro-Electric Project (382 MW).

File No.:

Date of proposal:

JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST AREA.

(CHECK LIST SERIAL NUMBER-10)

The State of Himachal Pradesh has vast hydroelectric power potential in its five major rivers. The rivers and their tributaries with steep gradient continue to challenge planners and engineers for optimal exploitation of hydropower potential. Numbers of hydroelectric projects are under execution in the state by state, central, joint and private sector developers. The only strategy that is being followed in Himachal Pradesh for exploitation of hydroelectric power resources is to produce as much energy as possible, with minimum cost and less negative impacts on environment. The rapid generation of hydroelectric power as per its potential will definitely improve the economic health of the state because 12 percent free power plus 1 % LADF on all new installations will increase the resources of the state to a significant extent. The need for the project also rises from the need to fulfill a steady increase in peak electricity demand and the growing energy deficit in the Northern Region.

Various proposals were considered for harnessing the available potential for this project. After considering the various proposals of Dam, HRT and Power House in LHEP, the present scheme with dam and Power House at village Khaira has been considered as the most viable proposal for Sunni Dam HEP from environmental, social and economic aspects. Efforts have been made to reduce the forest land as far as possible in the present proposal. More than 62 ha of private land has already been considered wherever possible for execution of this project. The detail of private land is also appended in this proposal.

It is pertinent to mention here that the components of a hydroelectric project are eventually to be finalized as per the geological conditions of the area and cannot be shifted. Therefore, Dam, Diversion Tunnel and underground power house have to be fixed as per the topography and geology of the area. But still where ever possible various project components like dumping areas, residential colony and offices have been proposed to be located in private land.

The locations of all project components have already been inspected by the concerned SDMs, DFOs and other Government Officers during **Joint Inspection** of site.

There is no scope for avoidance of Govt./forest land and diversion of total 397.8863 ha of forest land for the Project (159.3484 ha in Shimla Forest Division (158.6684 ha open surface area+0.6800ha

*[Signature]*  
**Deputy Conservator of Forests,**  
**Kotgarh Forest Division, H.P.**

*[Signature]*  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

underground/Notional area) + 37.3859 ha. in Kotgarh Forest Division + 201.1520 ha (197.9575ha open surface area+3.1945ha underground/Notional area) in Karsog Forest Division) of Govt./forest is bare minimum and cannot be escaped.

Date 21/9/2019

Place Bithal

2

4/10

For & on behalf of SJVN Ltd

Authorized Signatory

(Er. R.L. Negi)

**CGM** Head of Project

SJVN, LHEP, Bithal

Countersigned by:-

[Signature]

Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

Office Seal

Full title of the project: Sunni Dam Hydro-Electric Project (382 MW).  
File No.:  
Date of proposal:

CERTIFICATE FOR MINIMUM USE OF FOREST LAND

(CHECK LIST SERIAL NUMBER-11)

This is to certify that the forest area involved in the proposal is un-avoidable and barest minimum i.e. diversion of total **397.8863 ha** of forest land for the Project (*159.3484 ha in Shimla Forest Division (158.6684 ha open surface area+0.6800ha underground/Notional area) + 37.3859 ha. in Kotgarh Forest Division + 201.1520 ha (197.9575ha open surface area+3.1945ha underground/Notional area) in Karsog Forest Division*) for the purpose of establishment of **Sunni Dam Hydroelectric Project**, which is proposed for diversion.

Date 21/9/2020

Place Bithal

h

UHL

g/s

Arup

Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P. ✓

For & on behalf of SJVN Ltd

Authorized Signatory

(Name of the person)

**Mr. R. L. Negi**  
**CGM** Head of Project

SJVN, LHEP, Bithal

Countersigned by:-

Divisional Forest Officer,

-----Forest Division,

Distt. ----- (H.P.).

Office Seal-----

Full title of the project :- Sunni Dam Hydro-Electric Project (382 MW)

File No:

Date of Proposal :

## DETAILED NOTE ON ALTERNATIVE STUDIES CARRIED OUT FOR VARIOUS MAJOR COMPONENTS

The following alternative studies were carried out to explore the selection of Project layout:

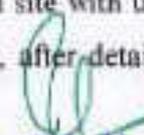
- i) Alternative-1: Dam and surface toe Power House at left bank.
- ii) Alternative-2: Dam and underground Power House with 2D cover to Power House at right bank
- iii) Alternative-3: Dam and surface toe power house at right bank
- iv) Alternative-4: Dam and underground Power House with 4D cover to Power House at right bank

### **i) Alternative-1: Dam and surface toe Power House at left bank**

An option of dam  $\pm 400\text{m}$  downstream of proposed dam axis with surface power house at left bank was studied. Since, the slope of left bank is much gentle in comparative to right bank; a possibility of surface power house on left bank has been studied. It was observed that the power house site encompasses the nalla fans and sufficient space will be available after removal of the nalla material. However, the study of catchment of nallas indicates that there will be potential danger of material flowing in the nallah and coming to the power house site. The power house will always be vulnerable from stability of slopes view point. Further, the sheared contact is lying on the downstream of dam axis with upstream dips when interpreted and projected to dam axis is likely to lie very close to assume foundation of dam. Therefore, Alternative-1 option is rejected.

### **ii) Alternative-2: Dam and underground Power House with 2D cover to Power House at right bank.**

An option of dam at present proposed site with underground Power House having 2D cover at right bank was studied. However, after detailed deliberation with Central Water

  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal





Commission (CWC), New Delhi, it was concluded that cover is not sufficient. **Therefore, Alternative-2 option is rejected.**

**iii) Alternative-3: Dam and surface toe power house at right bank.**

An option of dam at present proposed site along with surface toe power house at right bank was studied. This alternative was also discussed with Hydrel Civil Design (HCD) New Delhi and Central Water Commission (CWC) and was rejected due to massive slope cutting and excavation work.

**iv) Alternative-4: Dam and underground Power House with 4D covers to Power House at right bank.**

An option of dam at present proposed site with underground Power House having 4D cover was studied. The alternative was also discussed with Hydrel Civil Design (HCD), Central Water Commission (CWC) New Delhi and after detailed deliberation, this alternative found most suitable. **Geological Survey of India (GSI)**, New Delhi also agreed to this alternative. Further, this alternative was also studied with temporary as well as permanent diversion tunnel.

It is observed that, to use diversion tunnel as permanent structure, invert level is to be increased up to EL. 660m i.e. up to crest level of spillway, which in turn will increase the height of u/s coffer dam by 6-8m. Further, construction time will also increase, as one more season will be required to construct permanent lined tunnel. **Therefore, Alternative-4 with temporary diversion tunnel has been selected.**

The proposed **Sunni Dam Hydroelectric project** is situated on Satluj River near Khaira Village in Shimla/Mandi districts of Himachal Pradesh. Dam is located at Lat.  $31^{\circ} 14' 53''$  N and Long.  $77^{\circ} 12' 39''$  E. On the upstream of the project lies the 412 MW Rampur HPS, which utilizes water discharged from the further upstream 1500 MW Nathpa- Jhakri project. On the Downstream of Sunni Dam Hydroelectric project, lies the 800 MW Kol Dam HPS (FRL 642 m). In between Rampur HPS and proposed Sunni Dam Project, Lufri HEP Stage-I (nearly 50 km upstream) and Lufri Hydroelectric Project Stage -II (Between LHEP-I & Sunni Dam) are also proposed.

The Project is conceived as a run of the river type development proposed to harness the hydel potential of river Satluj. The project envisages construction of a concrete gravity dam across river Satluj near Khaira village and underground power house on the right bank. A  $\pm 7$ m high, concrete gravity dam from av. River Bed level 644m, with integral 6 nos. gated spillways having size of 8.5m (W) X 15.0m

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**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

(H) have been proposed. The Full Reservoir Level has been kept at 712.0 m and Minimum Draw Down Level at El. 709.50m. The length of the dam at top shall be 184.42 m.

*It is pertinent to mention here that the components of a hydroelectric project are eventually to be finalized as per the geological conditions of the area and cannot be shifted. Therefore, Dam, Reservoir, Diversion Tunnel and Power house etc. have been fixed as per the topography and geology of the area. The chapter on General layout Plan (containing alternative studies) has already been approved by Hydel Civil Design Directorate (HCD), Central Water Commission (CWC) New Delhi as communicated to SJVN and a copy thereof to CEA (Central Electricity Authority) vide letter No. 26/19/53/2017/SDP/HCD(NW&S)/983-84, Dated 04/01/2019 (copy Enclosed).*

Chun

B

  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



Full title of the project: Sunni Dam Hydro-Electric Project (382 MW).  
File No.:  
Date of proposal:

CHECK LIST SERIAL NUMBER-12

UNDERTAKING FOR PAYMENT OF COST OF COMPENSATORY AFFORESTATION.

It is to certify that I, Head of Project, Sunni Dam HEP, Village Rewali, PO Shamathala, Tehsil Kumarsain, Distt. Shimla, H.P. hereby undertake to pay the entire amount for compensatory afforestation in lieu of the forest area to be diverted for the purpose of establishment of Sunni Dam Hydroelectric Project, at Khaira as per the prevailing wage rates at the time of undertaking the plantation activities.

Date 15/11/19  
Place Paithal

b  
Sharma

For & on behalf of SJVN Ltd

Mr. Anil Negi  
Authorized Signatory  
(Name & Designation)  
Office Seal SJVN LAEP, Bithal

Countersigned by:-

(Vikalp Yadav)  
Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.  
Distt. \_\_\_\_\_ (H.P.)  
Office Seal \_\_\_\_\_

CALCULATION OF NET PRESENT VALUE OF FOREST LAND TO BE DIVERTED UNDER FCA, 1980 FOR C/o Sunni Dam Hydro-Electric Project (382 MW)

Area to be diverted	37.38.59 hact
Name of area proposed for diversion	Chopri Nalla C-219 UPF Banahardhar C-232
Eco-Value class	VI (Open forest)
Rate applicable for NPV	Rs. 6,99,000/-
N.P.V. chargeable for 37.3859 Ha.	Rs. 2,61,32,744/-

Note:- If any recovery is pointed out by Audit the same shall be recovered from the user agency in lump- sum

Dated:- 13-02-2020

Place:-Kotgarh

  
(Vikalp Yadav)  
Deputy Conservator of Forests,  
Kotgarh Forest Division, M.P.

Full title of the project: Sunni Dam Hydro-Electric Project (382 MW).

File No.:

Date of proposal:

CHECK LIST SERIAL NUMBER-13

UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE OF FOREST AREA.

It is to certify that I, Head of Project, Sunni Dam HEP, Village Rewall, PO Shamathala, Tehsil Kumarsein, Distt. Shimla, H.P. have applied for diversion of total **397.8863 ha** of forest land for the Project (*159.3484 ha in Shimla Forest Division (158.6684 ha open surface area+0.6800ha underground/Notional area) + 37.3859 ha. in Kotgarh Forest Division + 201.1520 ha (197.9575ha open surface area+3.1945ha underground/Notional area) in Karsog Forest Division*) for the purpose of establishment of Sunni Dam Hydroelectric Project, at Khaira and I, hereby undertake to pay cost of NPV, as and when demanded by the forest department or any authority.

Date 21/9/2020

Place Bithal

*93*  
*U.S.P.*  
*Subraj*  
**Deputy Conservator of Forests,**  
**Kotgarh Forest Division, H.P.**

For & on behalf of SJVN Ltd

*[Signature]*  
Authorized Signatory  
(Name & Designation)  
**Et. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

Countersigned by:-

Divisional Forest Officer,  
-----Forest Division,  
Distt. -----(H.P.).  
Office Seal-----

9A

Full title of the project: Sunni Dam Hydro-Electric Project (382 MW).  
File No.:  
Date of proposal:

UNDERTAKING FOR PAYMENT OF ADDITIONAL AMOUNT OF NET PRESENT VALUE OF FOREST AREA.

It is to certify that I, Head of Project, Sunni Dam HEP, Village Rewali, PO Shamathala, Tehsil Kumarsain, Distt. Shimla, H.P. have applied for diversion of total **397.8863 ha** of forest land for the Project (*159.3484 ha in Shimla Forest Division (158.6684 ha open surface area + 0.6800 ha underground/Notional area) + 37.3859 ha in Kotgarh Forest Division + 201.1520 ha (197.9575 ha open surface area + 3.1945 ha underground/Notional area) in Karsog Forest Division*) for the purpose of establishment of Sunni Dam Hydroelectric Project, at Khaira and I, hereby undertake to pay additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.

Date: 21/9/2020

Place: Bithal

[Signature]

For & on behalf of SJVN Ltd

Authorized Signatory  
(Name: Rajesh Negi)  
Office: COM Head of Project  
SJVN, LHEP, Bithal

Countersigned by:-

[Signature]  
Divisional Forest Officer,  
Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.  
Office Seal



## Undertaking

It is certified that the process for settlement of Rights under the Forest Rights Act, 2006 on 397.8863 ha of forest land proposed to be diverted will be initiated very shortly. I hereby, undertake to provide the "copy of documentary evidence in support of settlement of rights under the Forests Rights Act, 2006 on the forest land proposed to be diverted" before the forest proposal is forwarded to the Ministry of Environment, Forest and Climate Change, New Delhi.

Date: 22.09.2020

Place: Bithal

(R. L. Negi)

Head of Project

Sunni Dam HEP, Bithal

Distt. Shimla (H.P.)

Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

Statement Showing Cost of trees coming in Sunni Dam Hydro-Electric Project  
(382 MW) in Kumarsain Range of Kotgarh Forest Division under Forest  
(Conservation) Act, 1980

Sr. No.	Range	Name of Forest/Beat	Species	Class	Nos. of trees	Volume	Rate (m3)	Total Amount				
1	Kumarsain	Chopri Nalla UPF Banharidhar Shivan Beat and Kargal	Eucalyptus Tree/Sapling	V	36	3.384	18591	111843				
				IV	2	0.588						
				III	1	0.708						
				IIA	1	1.336						
				Total	40	6.016						
			Shesham Dalburgia Sissoo Tree/Sapling	V	14	1.316	42654	196890				
				IV	4	1.176						
				III	3	2.124						
				Total	21	4.616						
			Other Broad Leave	V	11	1.034	9726	85686				
				IV	8	2.352						
				III	2	1.416						
				IIA	3	4.008						
				Total	24	8.81						
								G.Total	85			3,94,419

*(Signature)*  
(N. K. Yadav, IFS)  
Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

**Enumeration list of trees coming in Division of Forest Land Simni Dam Project Baragaon Block of Kumarsain Forest Range Kotgarh Forest Division.**

Sr. No.	Name of Forest compartment	Species name (Local)	Botanical Name	Girth in cm.											Total
				0-10	10-20 (V)	20-30 (IV)	30-40 (III)	40-50 (IIA)	50-60 (IIB)	60-70 (IA)	70-80 (IB)	80-90 (IC)	More than 90 (ID)		
1		Safeda	Eucalyptus	29	4	1	0	0	0	0	0	0	0	0	34
2	UPF Banahardhar C-232	Shesham	Dalburgia Sissoo	10	0	0	0	0	0	0	0	0	0	0	10
3		Badd	Ficus Benghalensis	1	0	0	0	0	0	0	0	0	0	0	1
4		Broad Leave	6ce MS <del>Pithecolobium</del>	4	0	0	0	0	0	0	0	0	0	0	4
		<b>Total</b>			<b>44</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1		Safeda	Eucalyptus	0	3	1	1	1	0	0	0	0	0	0	5
2	UPF Chuprinval C-219	Badd	Ficus Benghalensis	0	0	2	3	0	0	0	0	0	0	0	3
3		Broad Leave													
4		Shesham	Dalburgia Sissoo	0	4	4	3	0	0	0	0	0	0	0	11
		Pachela	<del>Acacia</del>		4	3	1	0	0	0	0	0	0	0	8
	Beso	<del>P. Nigra</del>		0	0	1	0	0	0	0	0	0	0	1	
	Sa. <del>tree</del>	<del>Choris Fichte</del>		0	1	1	0	0	0	0	0	0	0	2	
	Padora	<del>Syda Chitrandy</del>		0	0	1	0	0	0	0	0	0	0	1	
	Kachin	<del>B. hirsuta</del>		0	1	0	0	2	0	0	0	0	0	3	
	Kakara	<del>M. Chamisso</del>		0	0	0	0	1	0	0	0	0	0	1	
	<b>Total</b>			<b>0</b>	<b>13</b>	<b>13</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	
	<b>G.Total</b>			<b>44</b>	<b>17</b>	<b>14</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85</b>	

*Dr. P. Baragon*

Range Forest Officer  
Kumarsain Forest Range  
Kumarsain (H.P.)

*Subh*  
Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

Full Title of the Project:- C/O Sunni Dam Project.

98

File No.:- \_\_\_\_\_

Date of proposal: \_\_\_\_\_

**CHECK LIST SERIAL NUMBER-16**  
**SITE INSPECTION REPORT NOT BELOW THE RANK OF DCF/DFO**  
*(For the Forest land to be diverted under FCA)*

A proposal has been received by this office from Chief General Manager/Head of Project SJVN, LHEP, Bithal for diversion (under FCA-1980) of 37.3859 Ha. of forest land for non-forestry purpose. The subject envisages the use of forest land C/O Sunni Dam Project The site inspection of the land involved in the proposal has been done by me on dated **17.12.2019.**

2. On inspection of the site, it is found that the land required by the user agency is a forest area measuring 37.3859Ha.
3. The requirement of forest land as proposed by the user agency in Col. 2 of part-I is unavoidable and is barest minimum required for the project.
4. Whether any rare/endangered/unique species of flora and fauna found in the area. If so, the details thereof. **No, Please**
5. Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area. If so, the details thereof with NOC from the competent authority. **No, Please**
6. **(a) The user agency has not violated the provisions of Forest(Conservation) Act, 1980 and no work has been started without proper sanction.**  
**(b) It has been found that the user agency has violated the provisions of the Forest (Conservation) Act,1980 Indian Forestet, 1927 / any other forest Act. A detailed report as per para 1.9 of Chapter 1, Part C of Hand-book of Forest (Conservation) Act, 1980 is attached.**  
***(Note: Whichever of the above is applicable should be shown in bold letter)***

Specific recommendation for acceptance or otherwise of the proposal.

**"The proposal is recommended for approval under FCA, 1980"**

Date: 19/12/19

Signature

Place:- Kotgarh

Arvind Kumar  
Divisional Forest Officer  
Kotgarh Forest Division H P

## CHECK LIST SERIAL NUMBER-17

### LOCATION MAP

Location Map of Non-forest Degraded Forest Area identified for Compensatory Afforestation in lieu of the proposal for diversion of **37.3859 Hec.** Of forest land of Kotgarh Forest division and 42.61.41 ha. Of Karsog Forest Division for **Sunni Dam Project in Tehsil Kumarsain, District Shimla** Forest Division **Kotgarh** Forest Range **Kotgarh** Block No./Compartment No./Survey No. **As per list attached in page No:-**

Map attached of the area to be taken for Compensatory Afforestation.

Date: 18/02/2020

Place:- **Kotgarh**

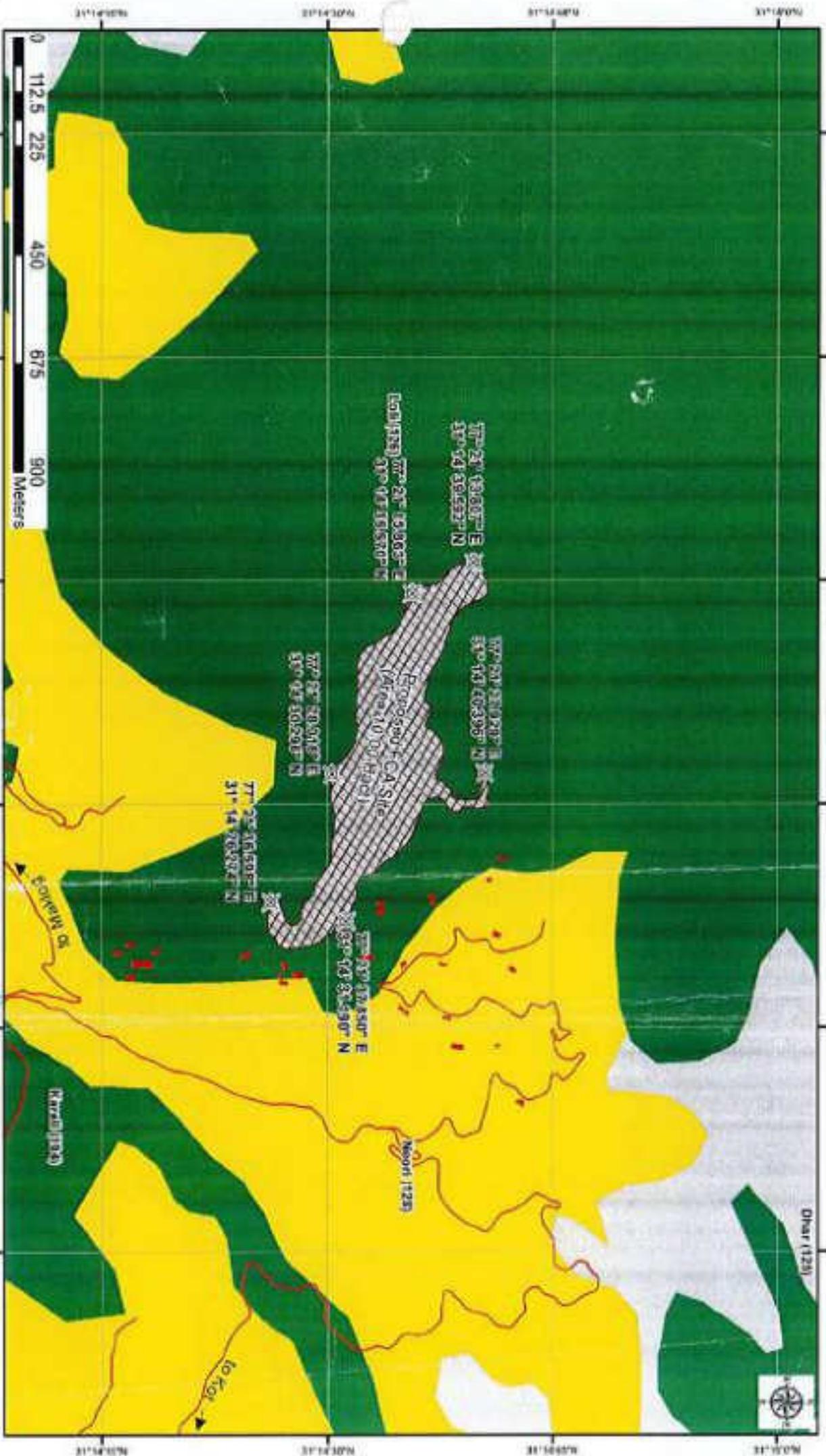
  
(Vikalp Yadav, IPS)  
Deputy Conservator of Forests,  
Kotgarh Forest Division,  
Office Seal.....

List of Forest Areas identified for raising CA in lieu of 80 ha of forest land of Kotgarh & Karsog Forest Division proposed for diversion for C/O Sunni Dam Project.

Name of Area	Compt No	Area in ha.	Beat	Block	Range	Survey Sheet No
UPF Deha	C-207	10	Dhar	Kangal	Kumarsain	
DPF Narenty	C-17	5	Dhar	Kangal	Kumarsain	
DPF Narenty	C-18	5	Dhar	Kangal	Kumarsain	
UPF Khalantu	C-218	20	Kangal	Kangal	Kumarsain	
UPF Roprinalla	C-214	10	Khudlu	Kangal	Kumarsain	
UPF Bararkanci	C-233	10	Shiwan	Baragaon	Kumarsain	
UPF Lang	C-231	10	Shiwan	Baragaon	Kumarsain	
UPF Bararkanci	C-233	10	Shiwan	Baragaon	Kumarsain	
DPF Ahar	C-32	10	Ahar	Baragaon	Kumarsain	
DPF Bargal	CN-12	10	Baragaon	Baragaon	Kumarsain	
UPF Bafahardhar	C-232	7	Kumarsain	Kumarsain	Kumarsain	
UPF Kahudhar	C-256	5	Galani	Kumarsain	Kumarsain	
UPF Teshandhar	C-238	10	Teshan	Baragaon	Kumarsain	
DPF Teshan	CN-14	10	Teshan	Baragaon	Kumarsain	
DPF Bargal	CN-12	10	Baragaon	Baragaon	Kumarsain	
UPF Khalantu	C-218	8	Kangal	Kangal	Kumarsain	
UPF Deha	C-207	10	Dhar	Kangal	Kumarsain	
	<b>Totals-</b>	<b>160</b>				

  
 Deputy Conservator of Forests,  
 Kotgarh Forest Division, H.P.

**Digital Land Use Map of Compensatory Afforestation Site at UPF Deha C-207 (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunji Dam HEP



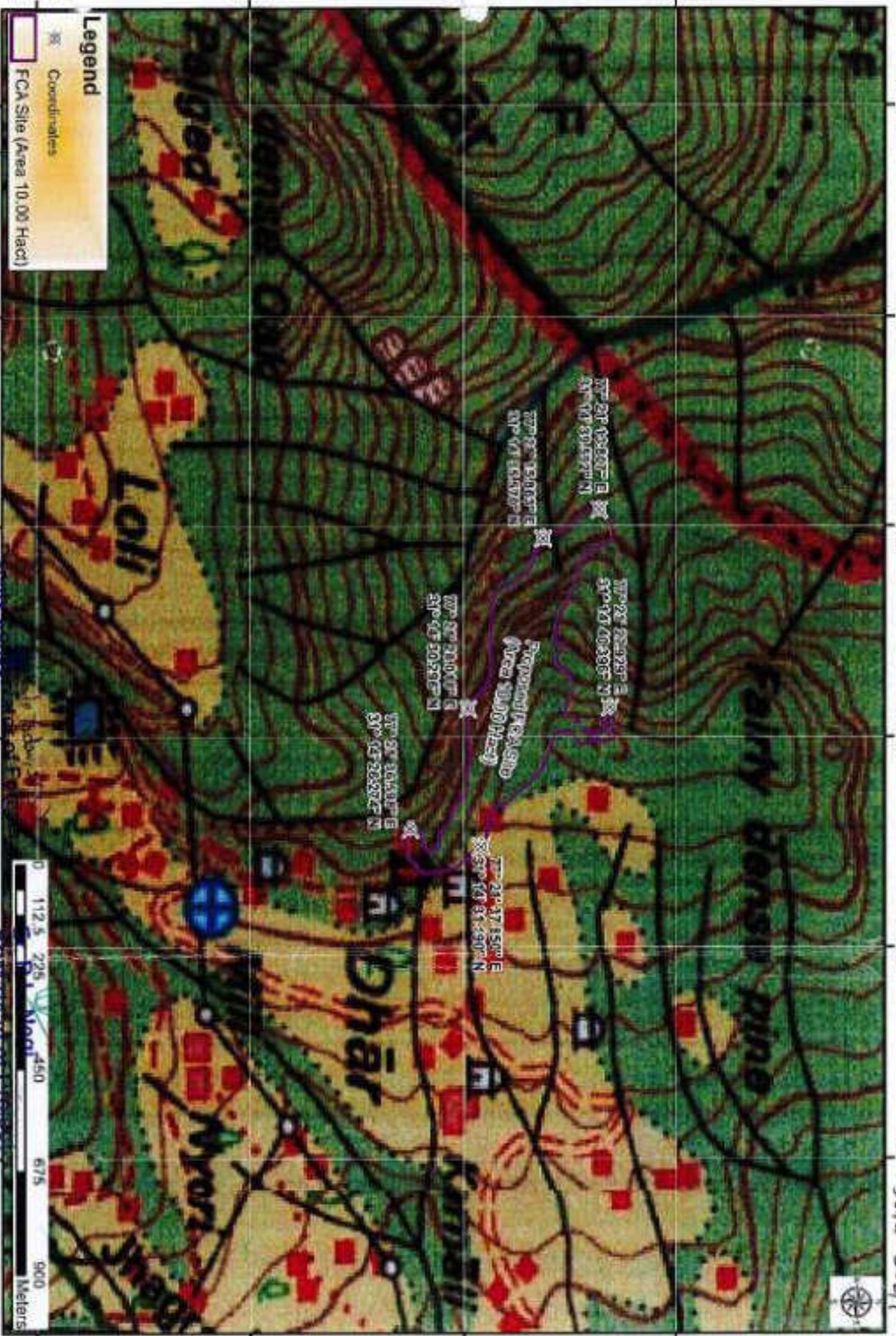
- Legend**
- Proposed FCA Site (10.00 Hact)
  - Building
  - Footpath
  - Agricultural Land
  - Plantation
  - Drainage
  - Dry River Bed
  - Green Cover
  - Open Land/Waste Land
  - Existing Road
  - Bridge

**Er. R.L. Negi**, Under the Deptt. of Silviculture, Ministry of Environment, Forest and Climate Change, Government of India  
**CGM/Head of Project** Deputy Conservator of Forests  
 SJVN, LHFP, Bithal  
**Kotgah Forest Division, H.P.**

Digital Toposheet Map of Compensatory Afforestation Site at UPF Deha C-207 (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP

in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP

SCALE - 1:50,000  
S.No. - 53E/7



Legend

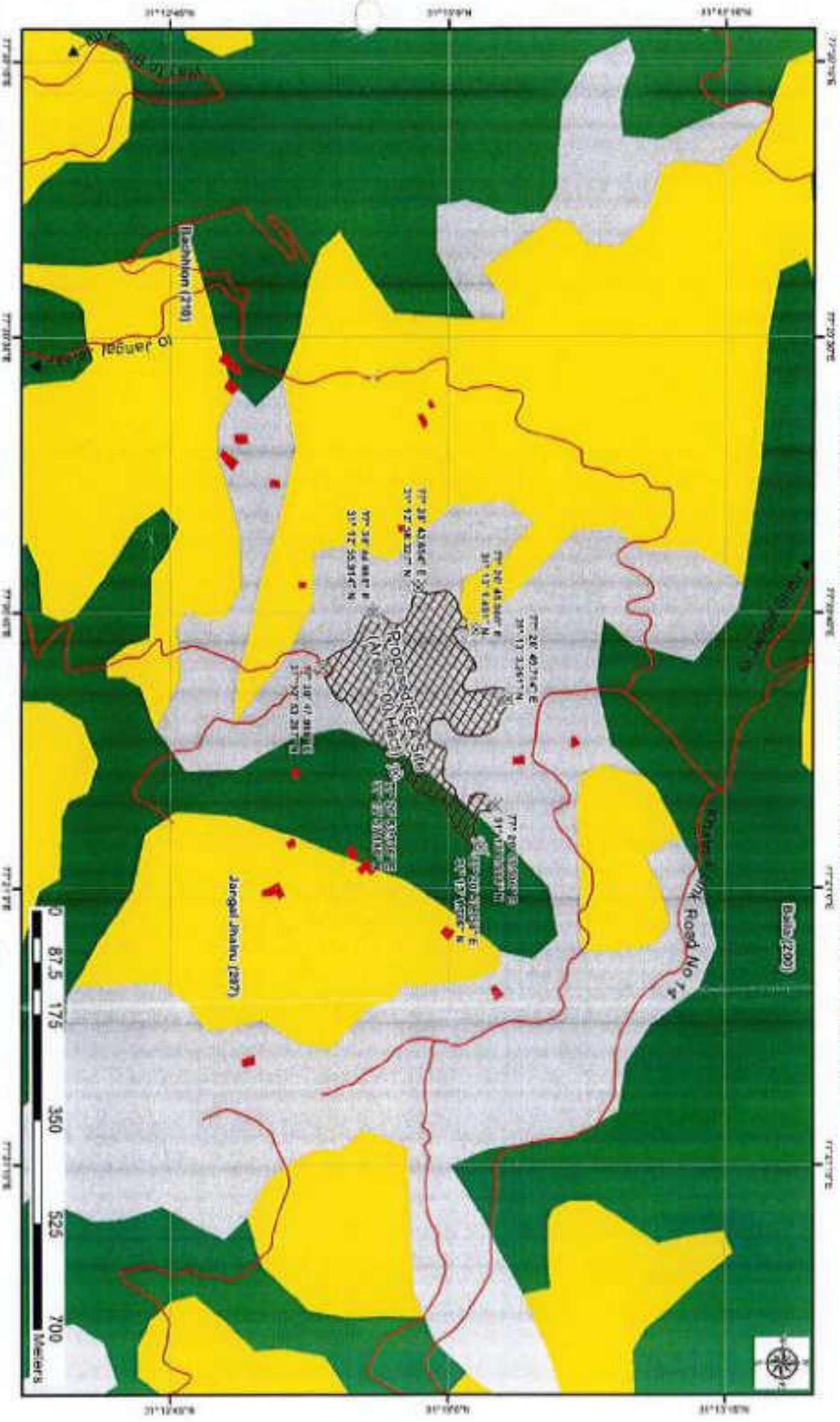
- Coordinates
- FCA Site (Area 10.00 Hact)



Shygarh Forest Division, H.P.

Head of Topography  
SJVN, LHEP, Bithal

**Digital Land Use Map of Compensatory Afforestation Site at DPF Narenty C-17 A (Area 5.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP



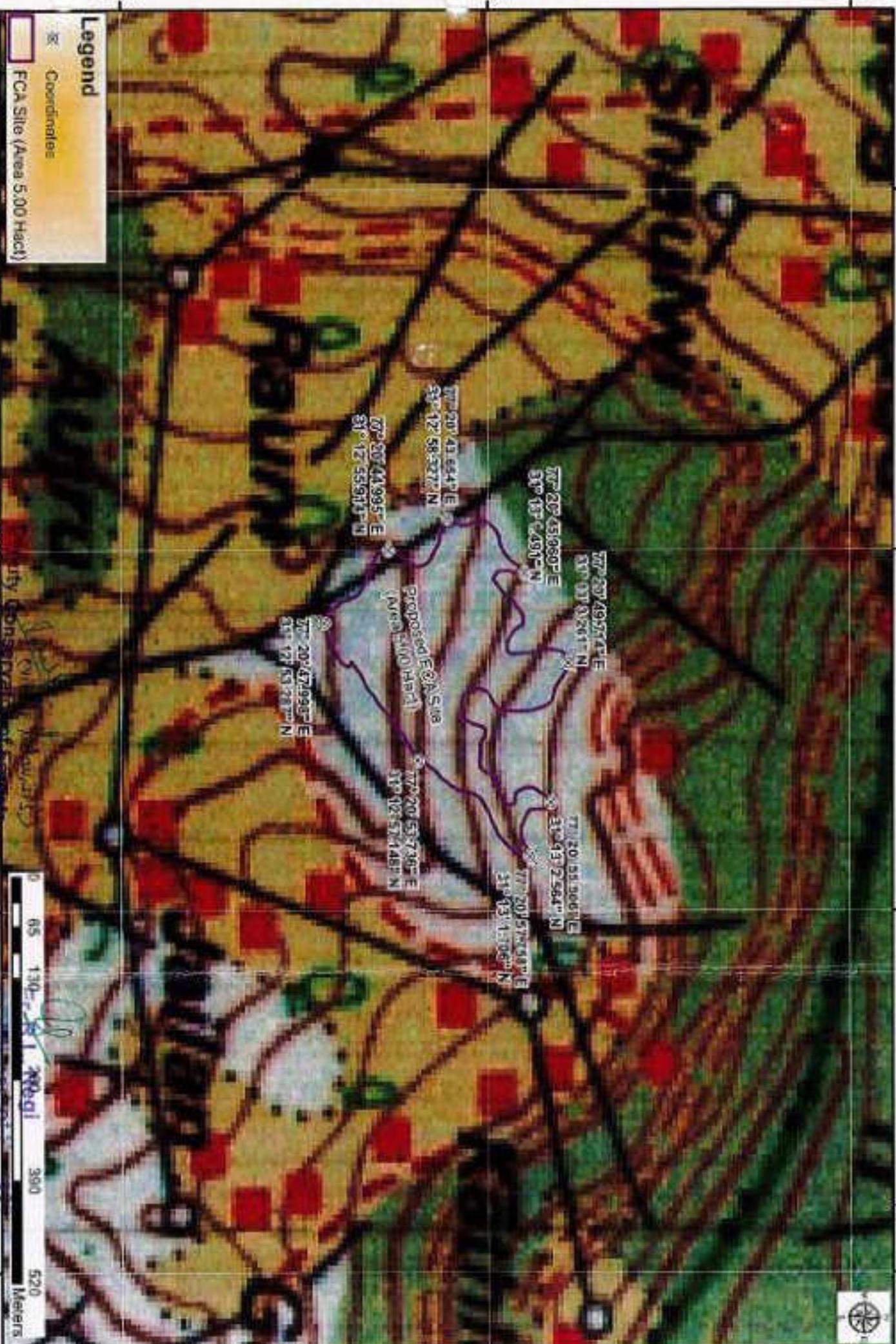
- Legend**
- Proposed FCA Site (5.00 Hact)
  - Existing Road
  - Footpath
  - Builup
  - Agricultural Land
  - Plantation
  - Green Cover
  - Open Land/Waste Land
  - Shrub
  - Drainage
  - Dry River Bed
  - Bridge

  
 Deputy Conservator of Forests,  
 Jangal Forest Division, H.P.

Digital Toposheet Map of Compensatory Afforestation Site at DPF Narenty C-17 A (Area 5.00 Hact) Kumarsain Forest Range, District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP

SCALE - 1:50,000  
S.S.No. - 53E/7



**Legend**

-  Coordinates
-  FCA Site (Area 5.00 Hact)

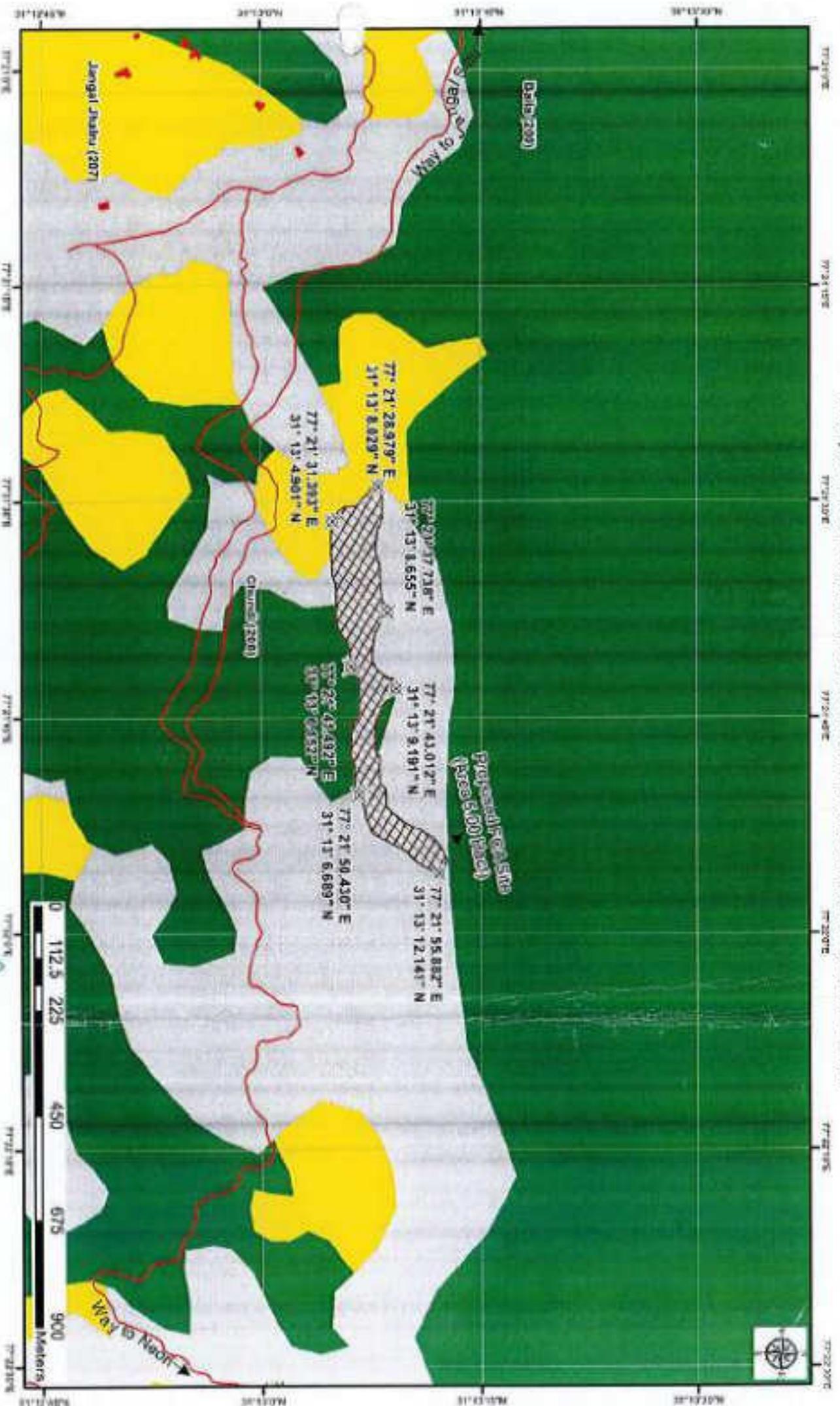


Kailgarh Forest Division, H.P.

SJVN, LHEP Dam

# Digital Land Use Map of Compensatory Afforestation Site at DPF Narenty C-18 A (Area 5.00 Hact) Kumarsain Forest Range, District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP



**Legend**

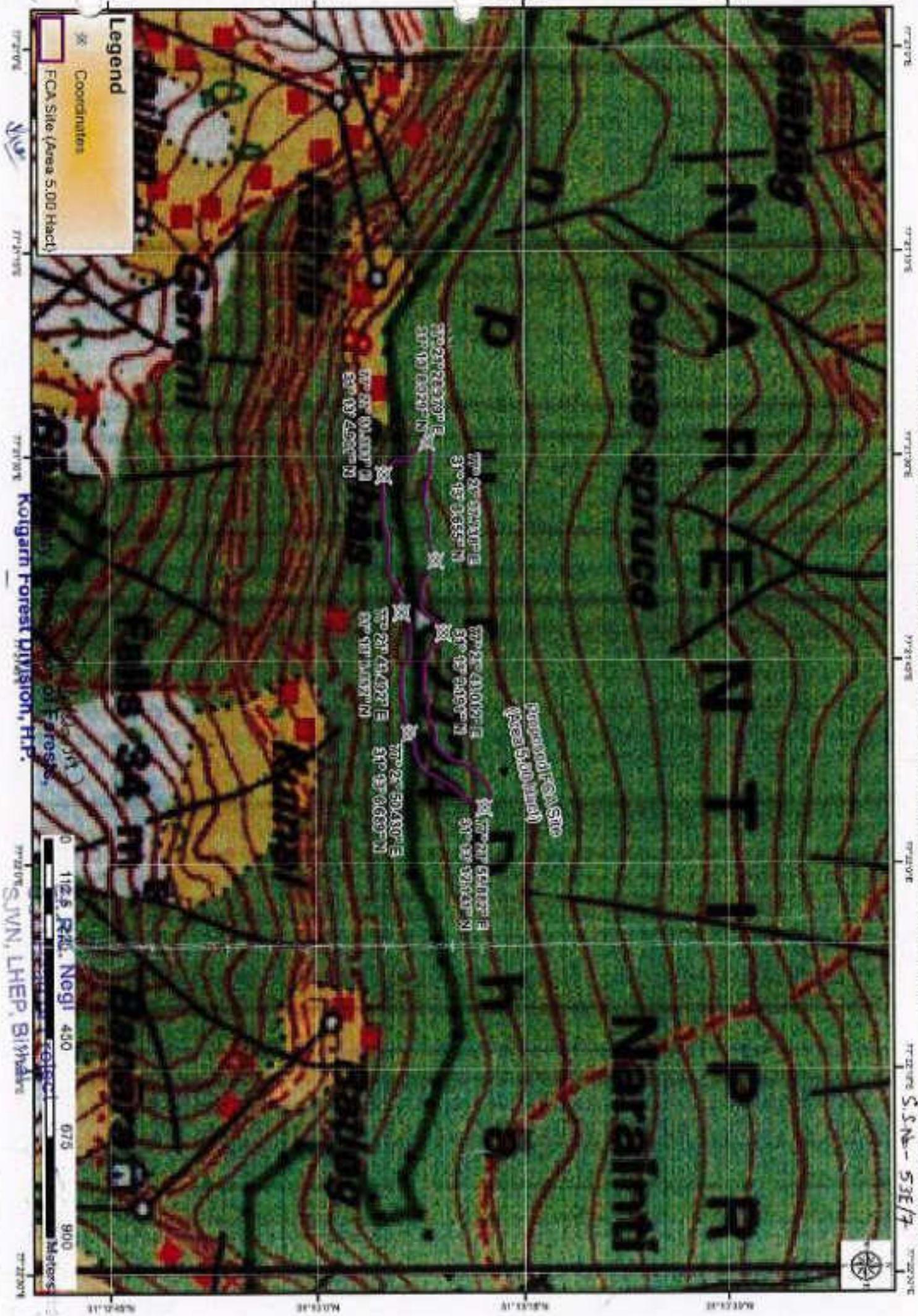
- Proposed FCA Site (5.00 Hact)
- Existing Road
- Footpath
- Builtup
- Agricultural Land
- Plantation
- Green Cover
- Shrub
- Open Land/Waste Land

**Er. R.L. Negi**  
 Head of Project  
 CSMT  
 SJVN, LHEP, BITHRI

**Kotgarh Forest Division, H.P.**

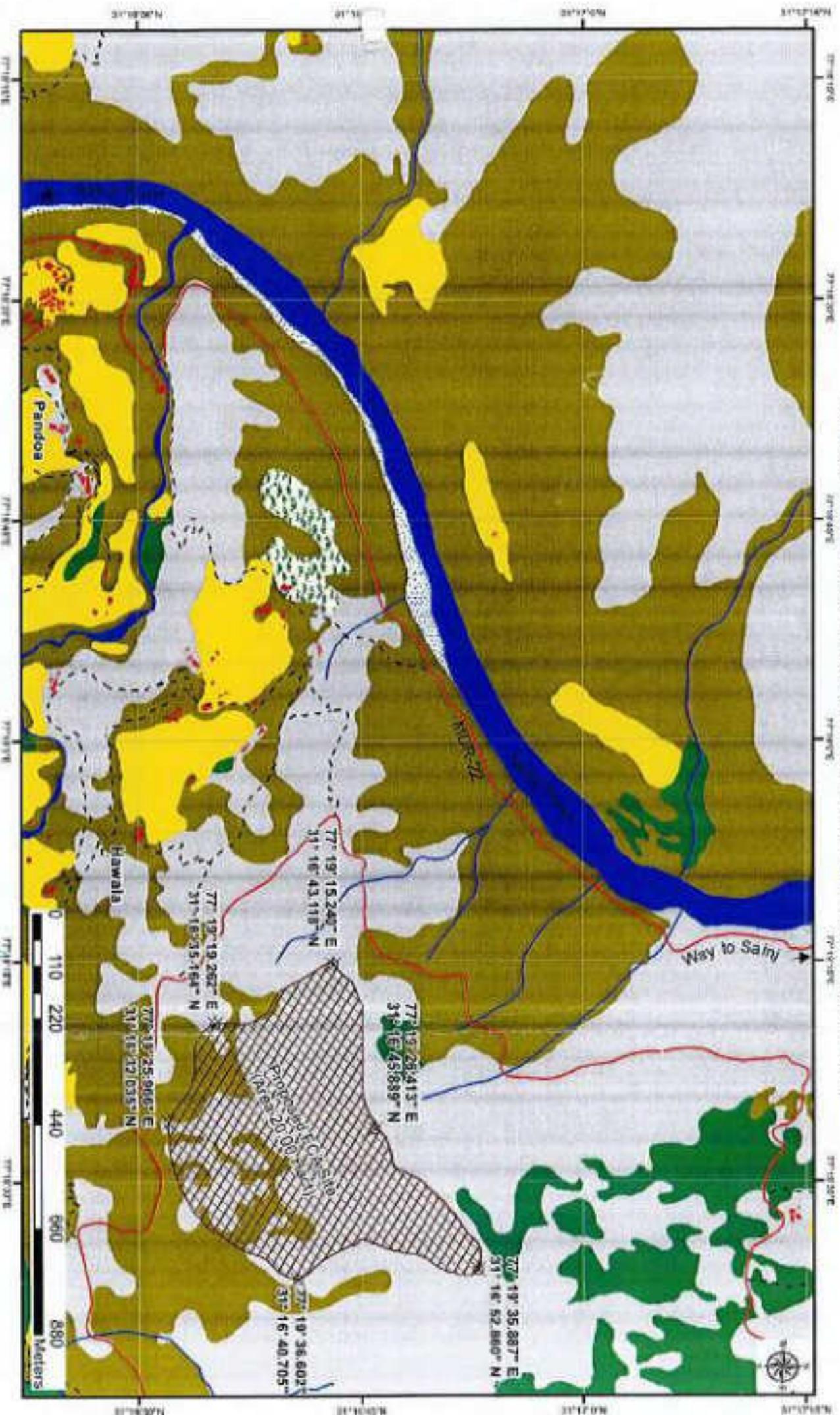
**Digital Toposheet Map of Compensatory Afforestation Site at DPF Narenty C-18 A (Area 5.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP

SCALE - 1:50,000  
 S.No - 53E7



# Digital Land Use Map of Compensatory Afforestation Site at UPF Khalantu (Area 20.00 Hact) Kumarsain Forest Range, District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



- Legend**
- Proposed FCA Site (20.00 Hact)
  - Existing Road
  - Footpath
  - Building
  - Agricultural Land
  - Plantation
  - Green Cover
  - Shrub
  - Open Land/Waste Land
  - Drainage
  - Dry River Bed
  - Bridge



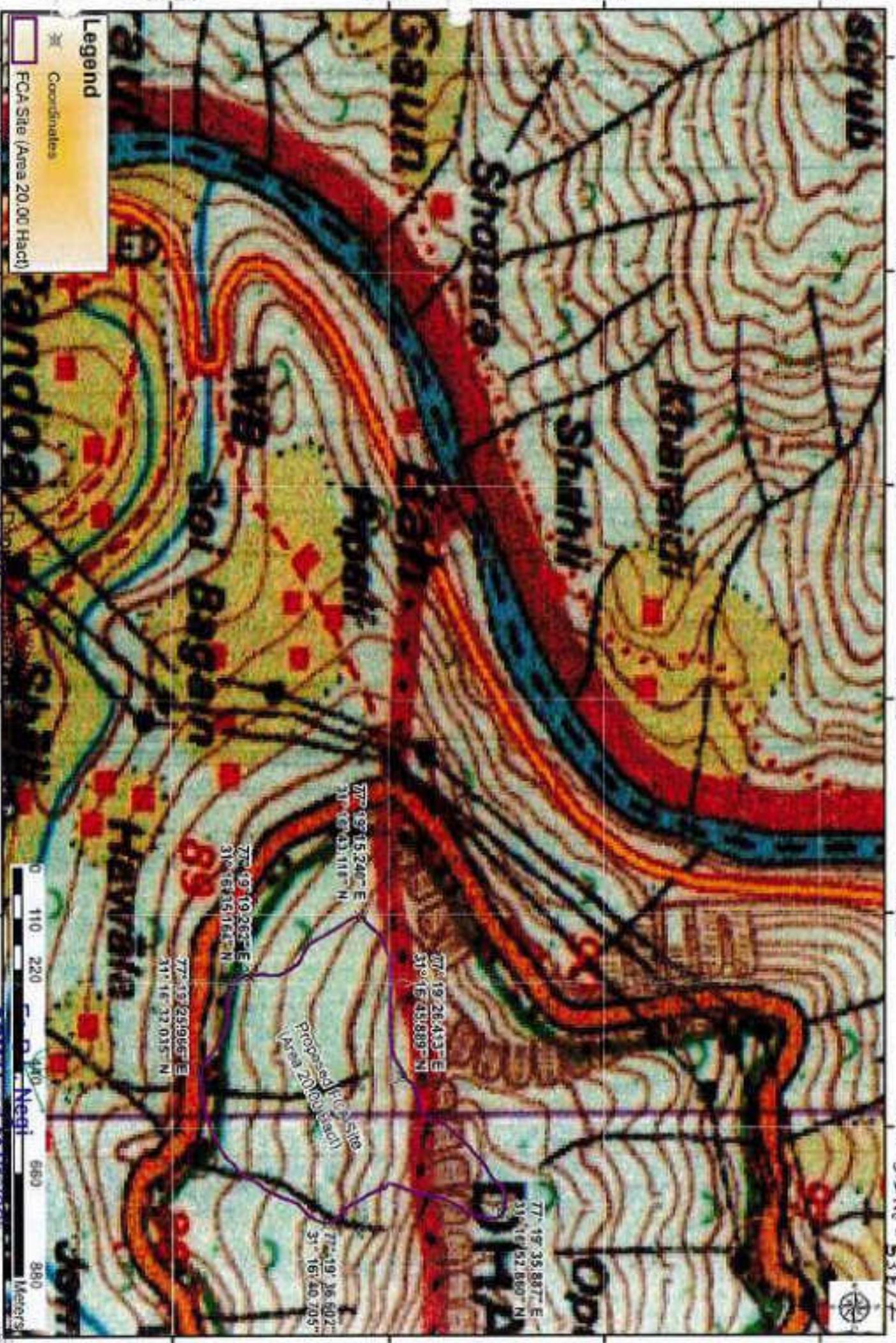
Er. R.L. Negi  
 CGM/Head of Forest Range  
 SJVN, HEP, Shimla

Deputy Conservator of Forest  
 Kotgarh Forest Division, H

**Digital Toposheet Map of Compensatory Afforestation Site at UPF Khalantu (Area 20.00 Hact) Kumsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP

S.S.No - 5337

SCALE - 1:50,000



**Legend**

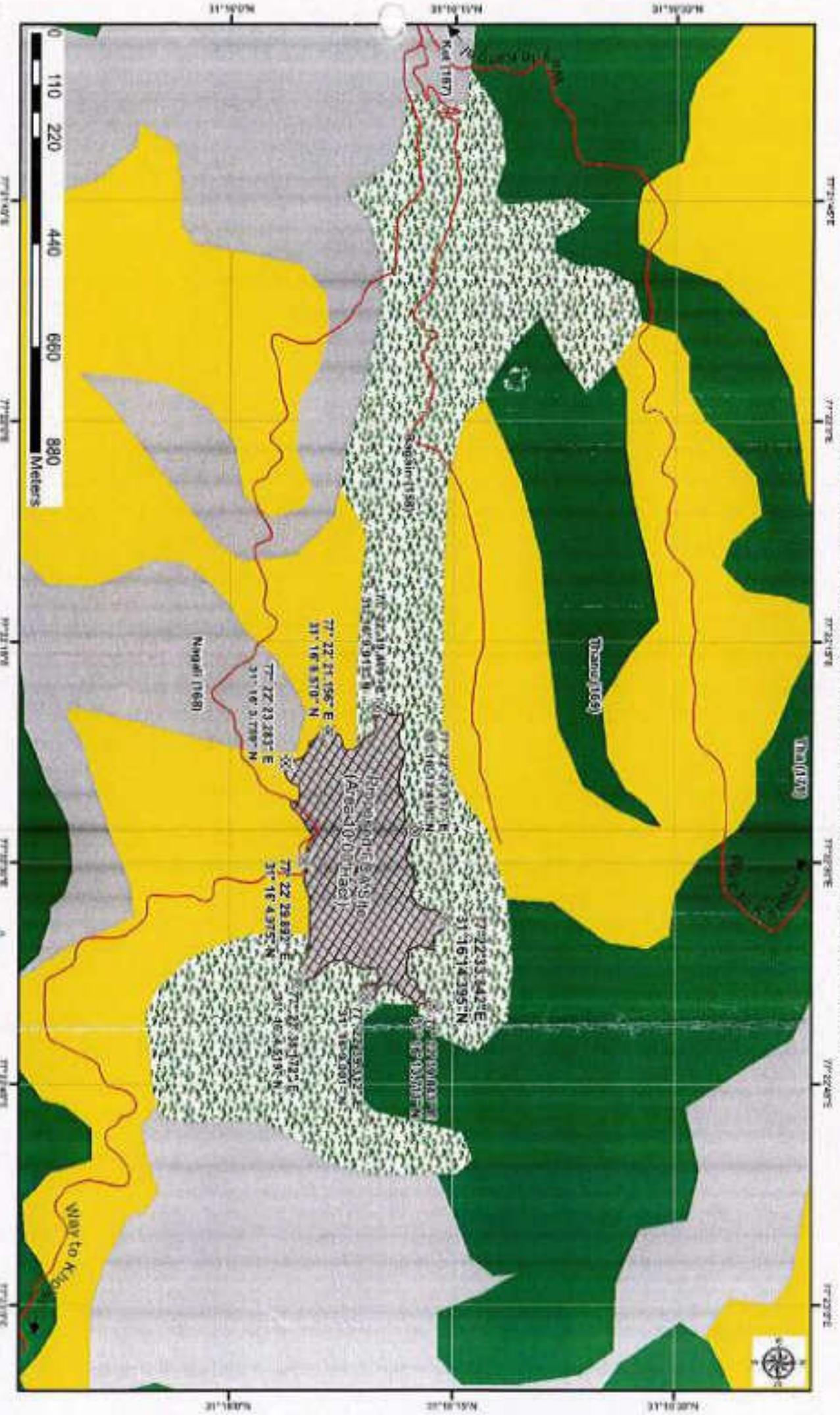
-  Coordinates
-  FCA Site (Area 20.00 Hact)



Kotgarh Forest Division, H.P.

CGM/Head of Project  
 SJVN, LHEP, Bilawal

**Digital Land Use Map of Compensatory Afforestation Site at UPF Roprhalla C-214 (Area 10.00 Hact) Kumarasain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest land for Construction of Sunil Dam HEP



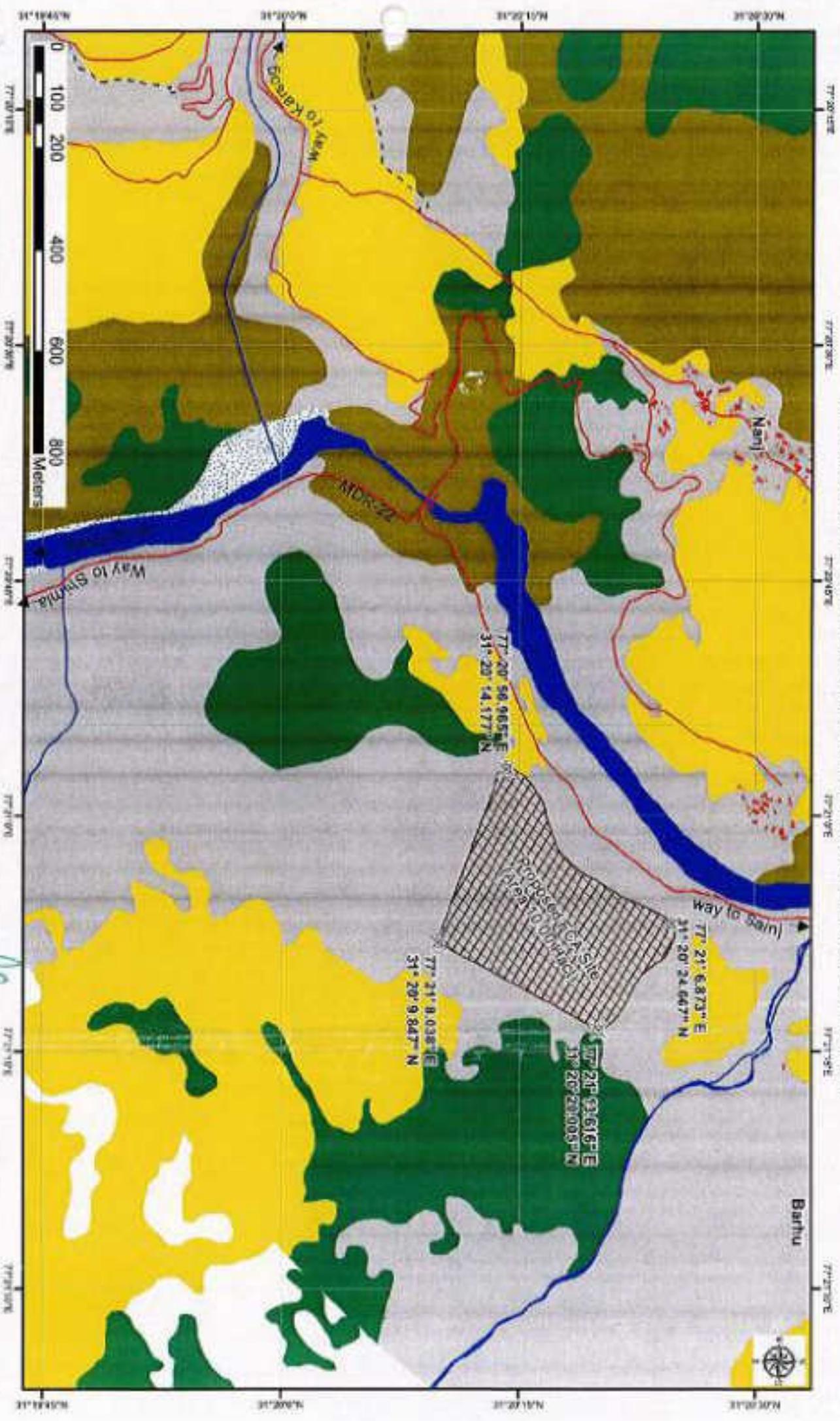
- Legend**
- Proposed FCA Site (10.00 Hact)
  - Existing Road
  - Footpath
  - Buikup
  - Agricultural Land
  - Plantation
  - Green Cover
  - Open Land/Waste Land
  - Drainage
  - Shrub
  - Dry River Bed
  - Bridge

**ER. R.L. Negi**  
 Geoinformatics of Project  
 Deputy Conservator of Forests,  
 Katgam Forest Division, HP

*(Vishakh Jadhav)*  
 Senior  
 Surveyor



**Digital Land Use Map of Compensatory Afforestation Site at UPF Banarkandi C-233 (Area 10.00 Hact) Kumarasain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest land for Construction of Sunni Dam HEP



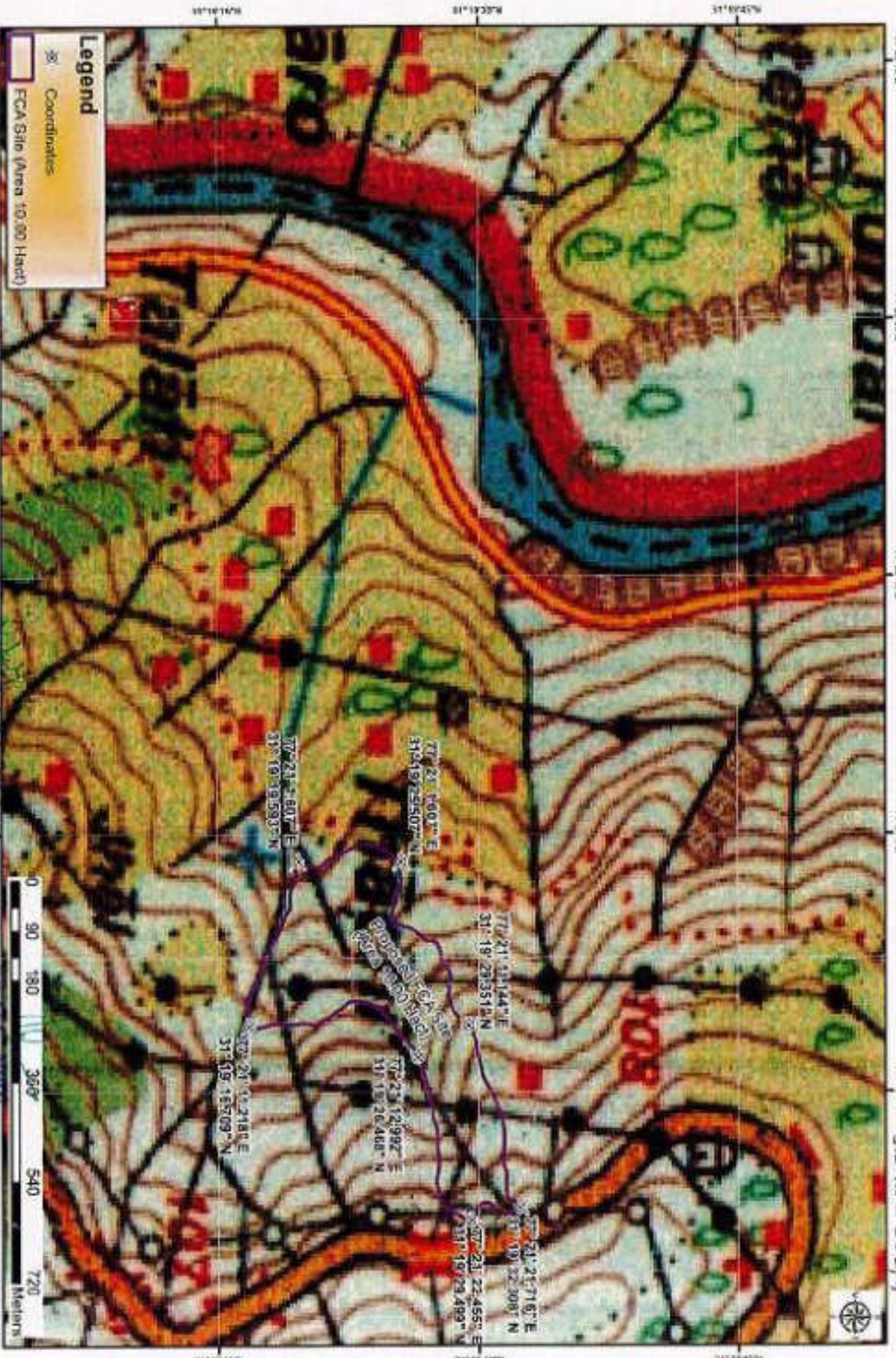
- Legend**
- Proposed FCA Site (10.00 Hact)
  - Existing Road
  - Footpath
  - Builtup
  - Agricultural Land
  - Plantation
  - Green Cover
  - Shrub
  - Open Land/Waste Land
  - Drainage
  - Dry River Bed
  - Bridge

**Er. R.L. Negi**  
 Chief Executive Officer  
 Deputy Commissioner of Forests  
 Kotagam Forest Division, H.P.

**Digital Toposheet Map of Compensatory Afforestation Site at UPF Banarkandi C-233 (Area 10.00 Hact) Kumsarsain Forest Range, District Shimla, HP**

In respect of SJVN Limited diversion of forest Land for Construction of Sunai Dam HEP

SCALE - 1:50,000  
S.S.No - 53E/7



**Legend**

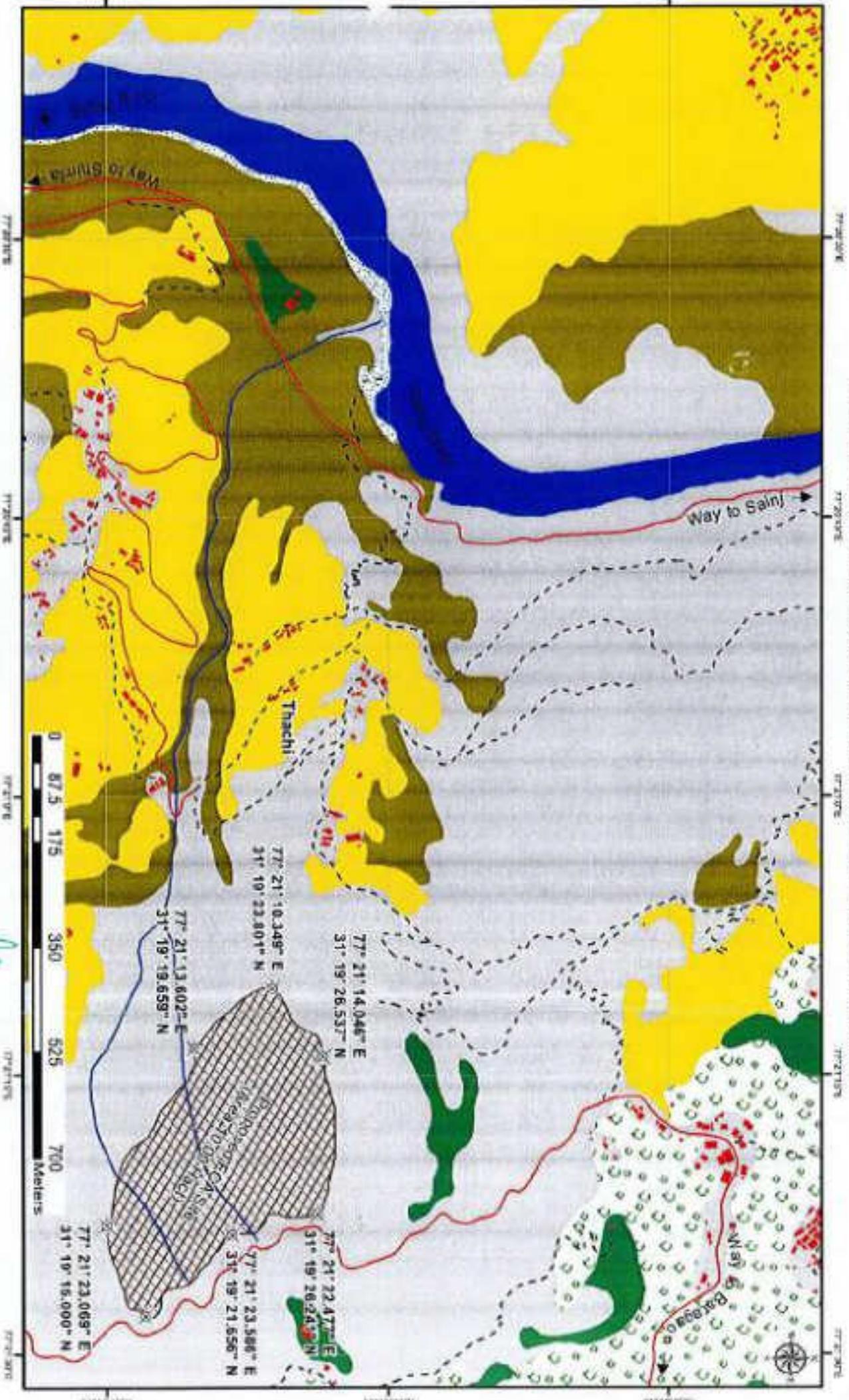
-  Coordinates
-  FCA Site (Area 10.00 Hact)



Deputy Conservator of Forests,  
Kotgarh Forest Division, H.P.

**E. K. L. Negi**  
CGM/Head of Project  
SJVN, LHEP, Bithal

**Digital Land Use Map of Compensatory Afforestation Site at UPF Lang C-231 (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



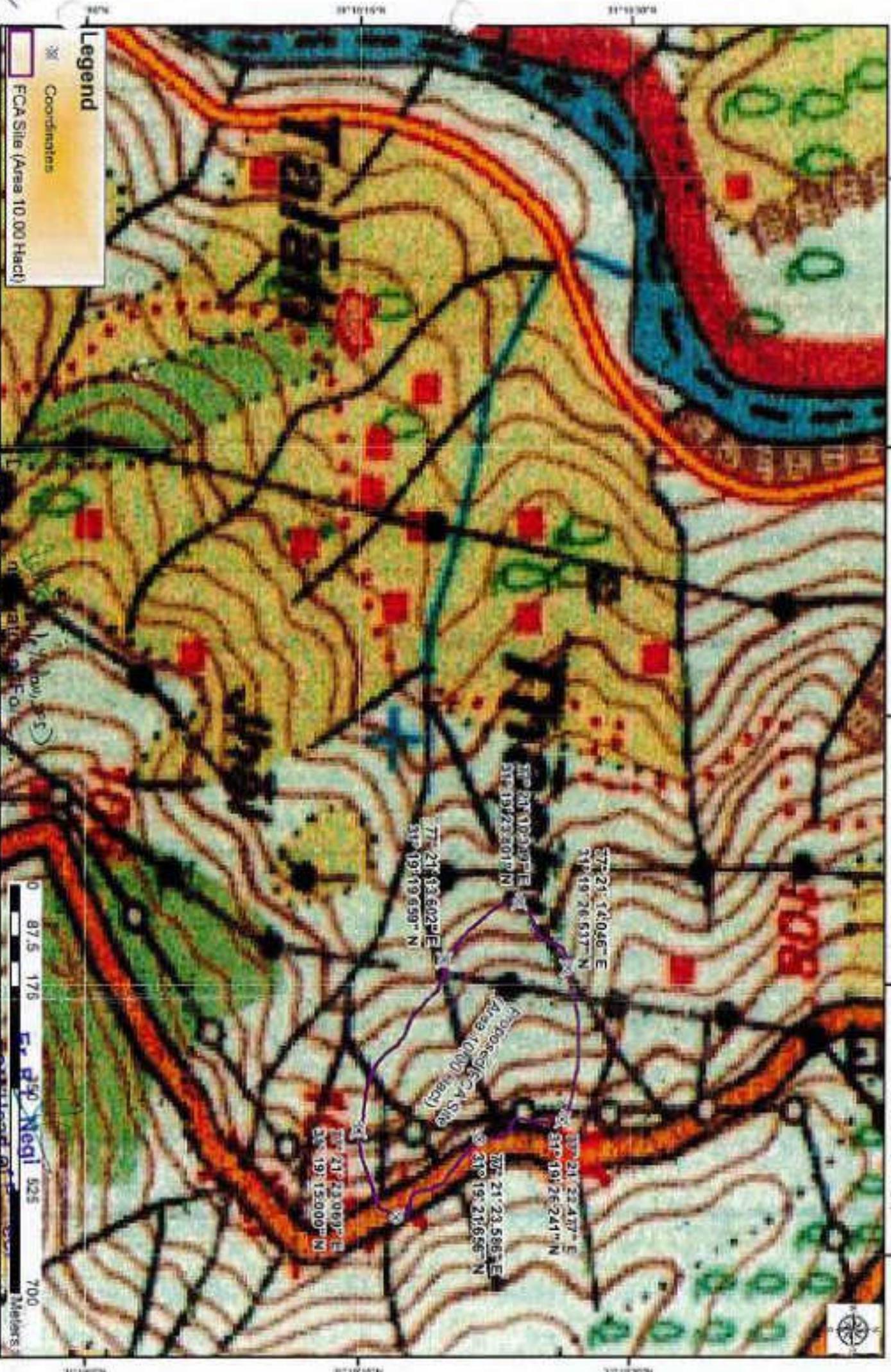
- Legend**
- Proposed FCA Site (10.00 Hact)
  - Existing Road
  - Footpath
  - Builup
  - Agricultural Land
  - Plantation
  - Green Cover
  - Shrub
  - Open Land/Waste Land
  - Drainage
  - Dry River Bed
  - Bridge

**Er. R.L. Negi**  
 CGM/Head of Project/Deputy Conservator of Forests,  
 SJVN/CHERP/SHR/1/Kangra Forest Division, H.P.

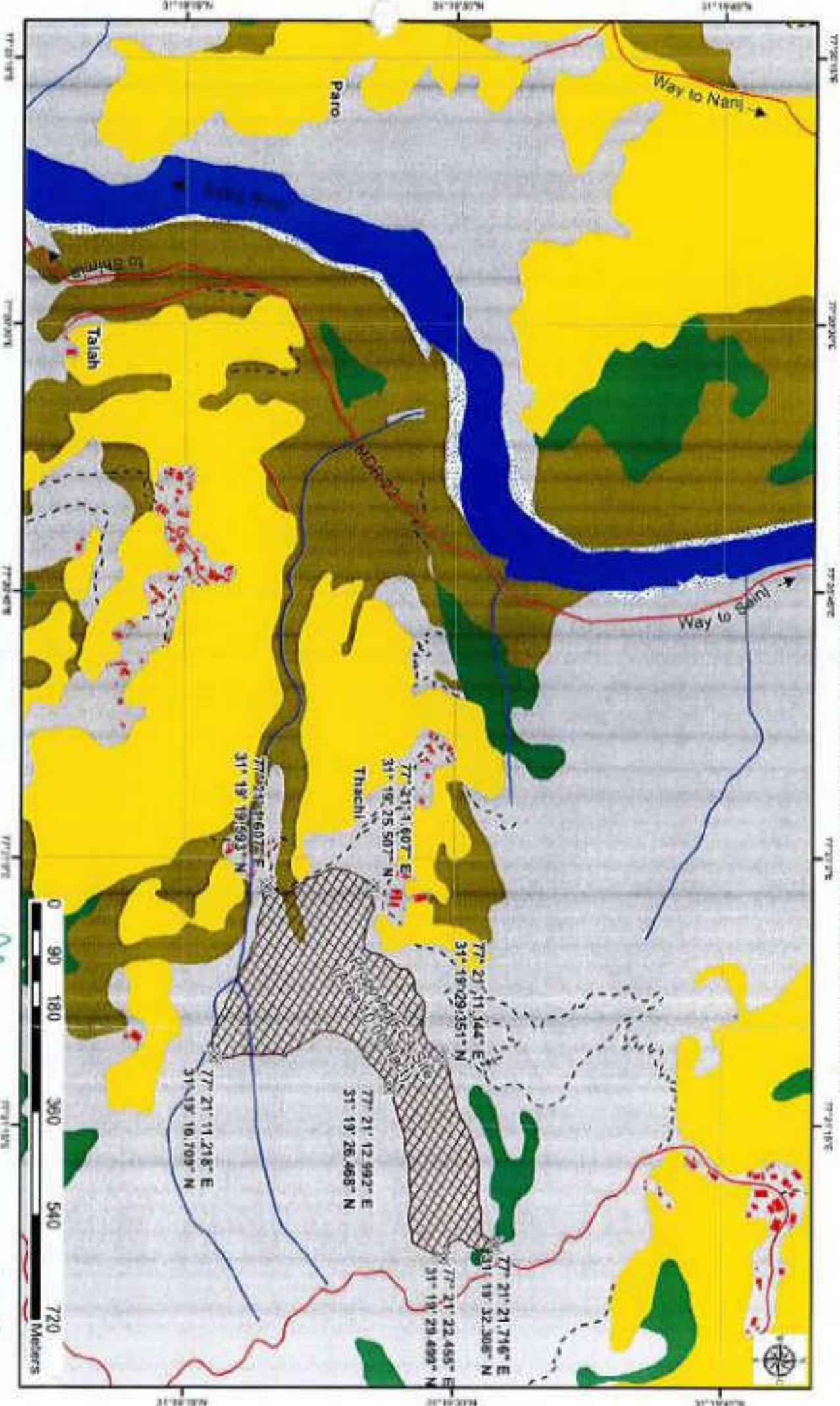
**Digital Toposheet Map of Compensatory Afforestation Site at UPF Lang C-231 (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP**

In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP SCALE - 1:50,000

S. S. No - 53E/7



**Digital Land Use Map of Compensatory Afforestation Site at UPF Banarkandi C-233 (Area 10.00 Hact) Kumarsaln Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



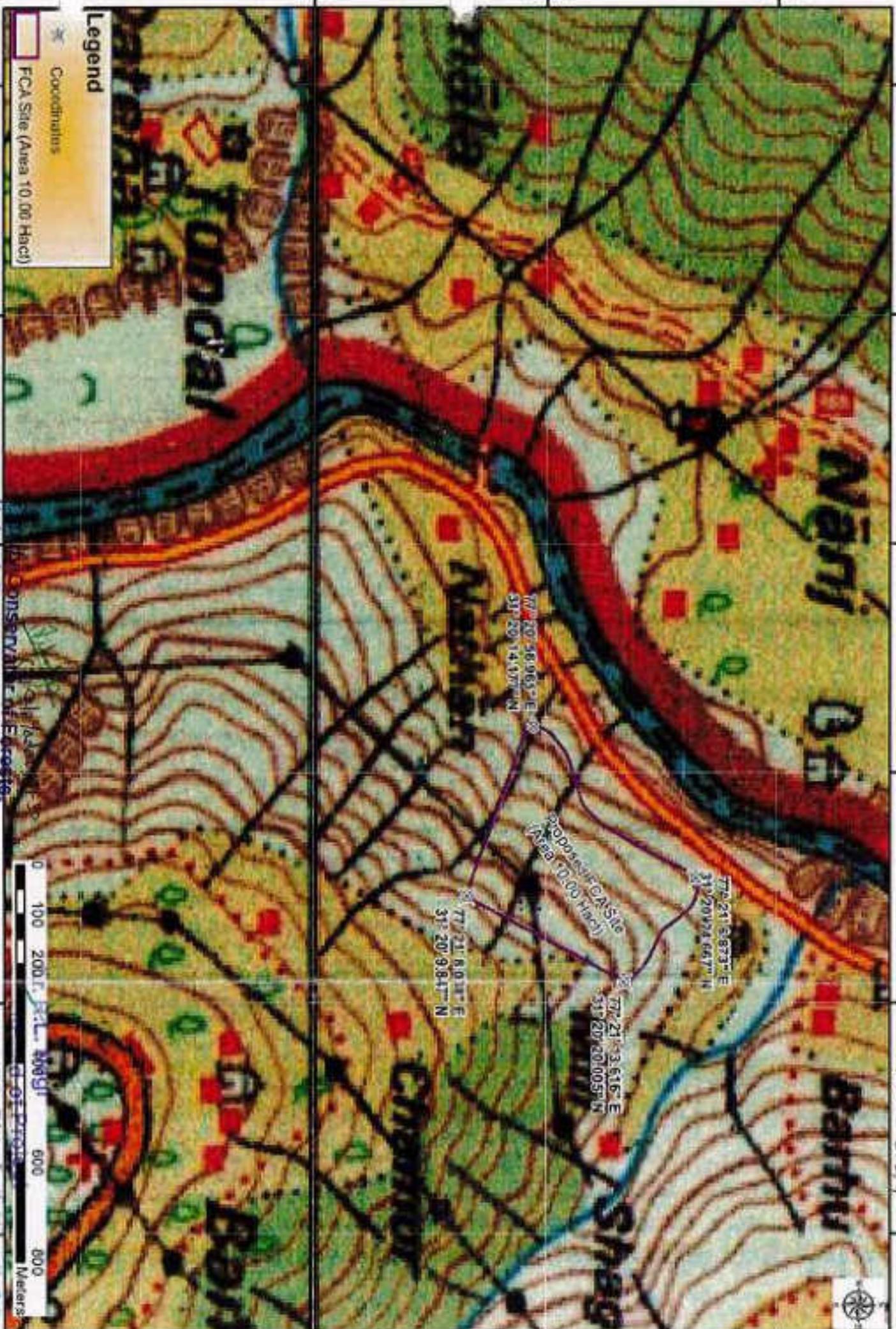
- Legend**
- Proposed FCA Site (10.00 Hact)
  - Existing Road
  - Foodpath
  - Butkup
  - Agricultural Land
  - Plantation
  - Green Cover
  - Open Land/Waste Land
  - Drainage
  - Dry River Bed
  - Bridge
  - Shrub



**Er. R. L. Singh**  
 Deputy Conservator of Forests,  
 Kohgarh Forest Division, H.P.

**Digital Toposheet Map of Compensatory Afforestation Site at UPF Banarkandi C-233 (Area 10.00 Hect) Kumarasain Forest Range, District Shimla, HP**

In respect of SJVN Limited diversion of forest land for construction of Sunni Dam HEP Scale - 1:50,000  
 S.S.No - 53E/7



**Legend**

- Coordinates
- FCA Site (Area 10.00 Hect)

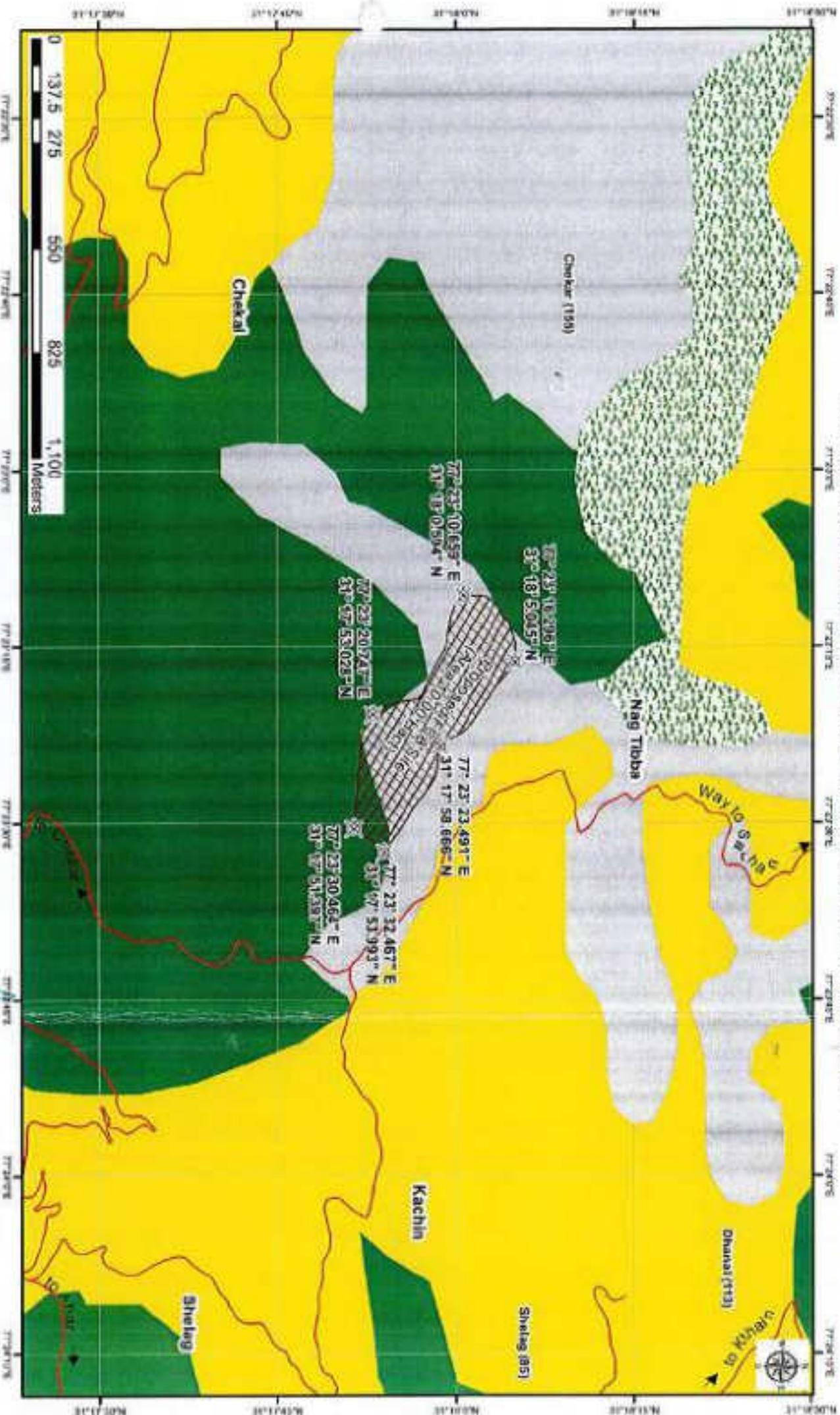


Kutgadh Forest Division, H.P.

SJVN, LHEP, Bimal

# Digital Land Use Map of Compensatory Afforestation Site at DPF Ahar C-32 (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP

In respect of SJVN Limited diversion of forest land for Construction of Sunni Dam HEP



## Legend

- Proposed FCA Site (10.00 Hact)
- Existing Road
- Footpath
- Building
- Agricultural Land
- Forest Land
- Waste Land
- Green Cover
- Water Body
- Open Land/Waste Land
- Dam/Reservoir
- Bridge

Department of Forests,  
Kotgarh Forest Division, H.P.

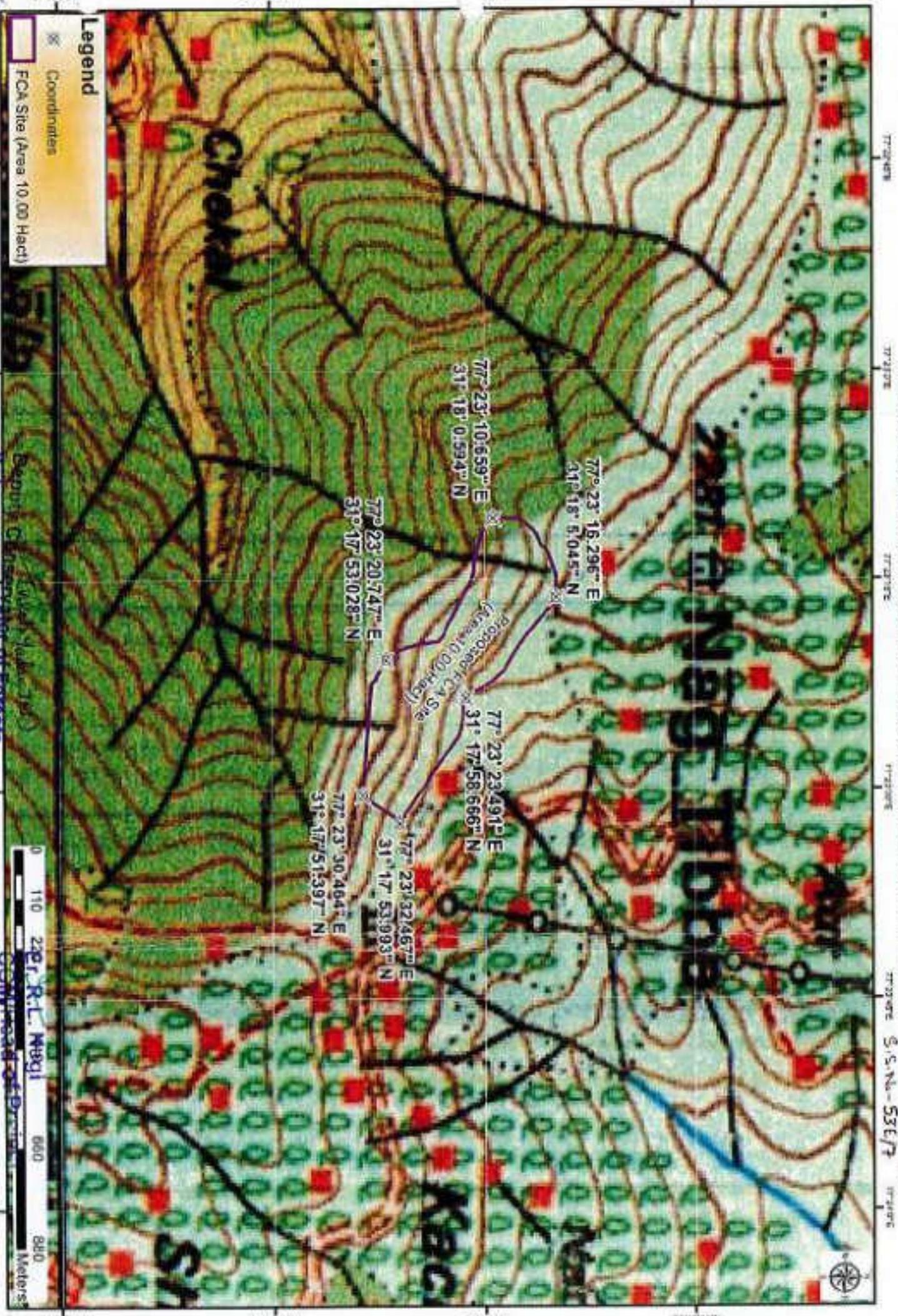
Er. R.L. Negi  
Chief Engineer  
SJVN-CHP

Digital Toposheet Map of Compensatory Afforestation Site at DPF Ahar C-32 (Area 10.00 Hact) Kumarasain Forest Range, District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP

Scale - 1:50,000

S.No. - 53E7

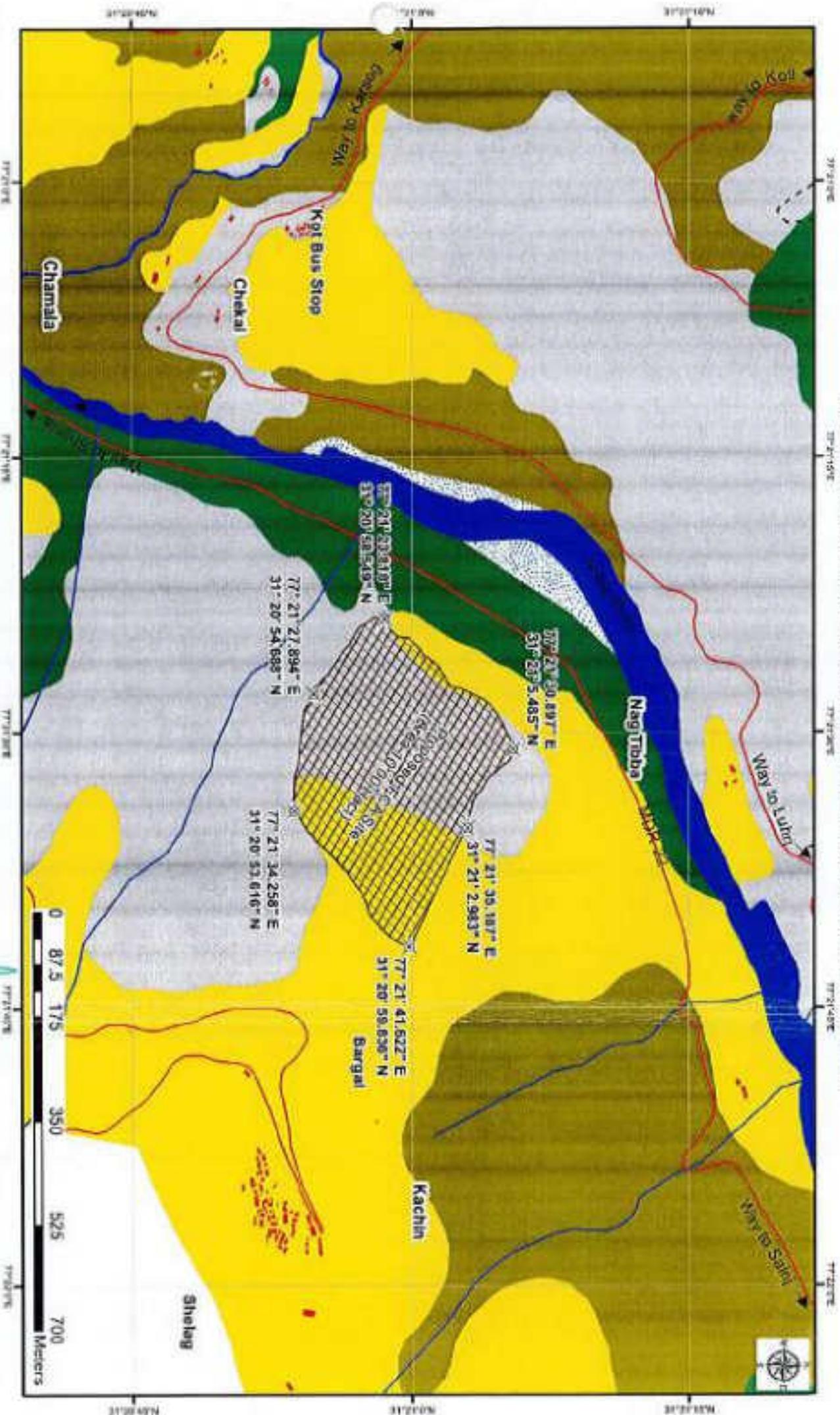


Department of Forests, Government of Himachal Pradesh  
Kotgarh Forest Division, H.P.

COMPENSATORY AFFORESTATION  
SJVN HEP III

# Digital Land Use Map of Compensatory Afforestation Site at DPF Bargal (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP



## Legend

- Proposed FCA Site (10.00 Hact)
- Existing Road
- Footpath
- Building
- Agricultural Land
- Green Cover
- Open Land/Waste Land
- Drainage
- Water Body
- Plantation
- Wildlife Sanctuary
- Deputy Conservator of Forests
- Bridge

Kotgarh Forest Division, H.P.

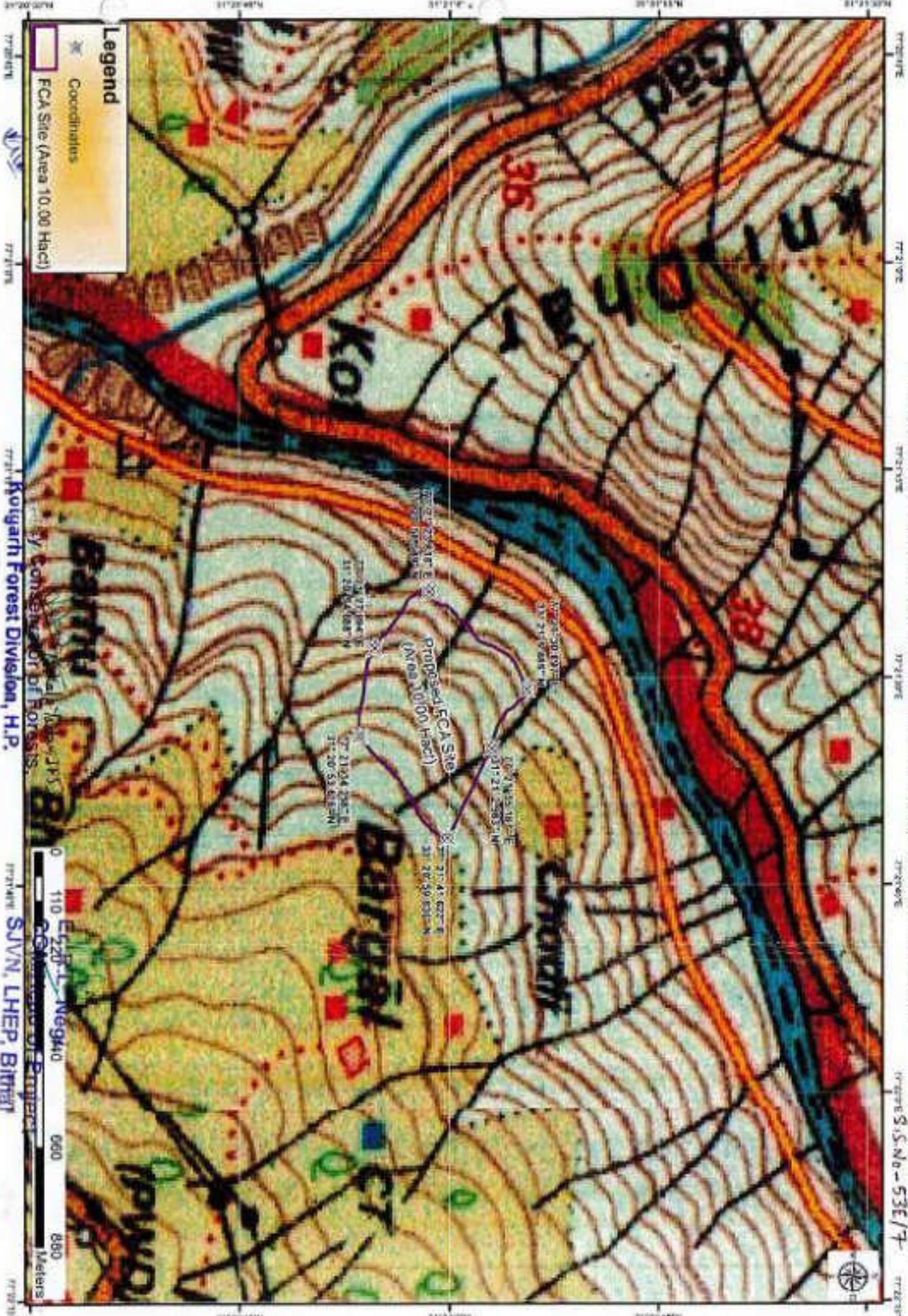
Er. R.L. Megi  
 G.M. Head of Project  
 SJVN, CHEP, BITHAL

**Digital Toposheet Map of Compensatory Afforestation Site at DPF Bargal (Area 10.00 Hact) Kumasain Forest Range, District Shimla, HP**

In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP

SCALE - 1:50,000

PROJECT S.I.S.No-53E/7



**Legend**

- Coordinates
- FCA Site (Area 10.00 Hact)

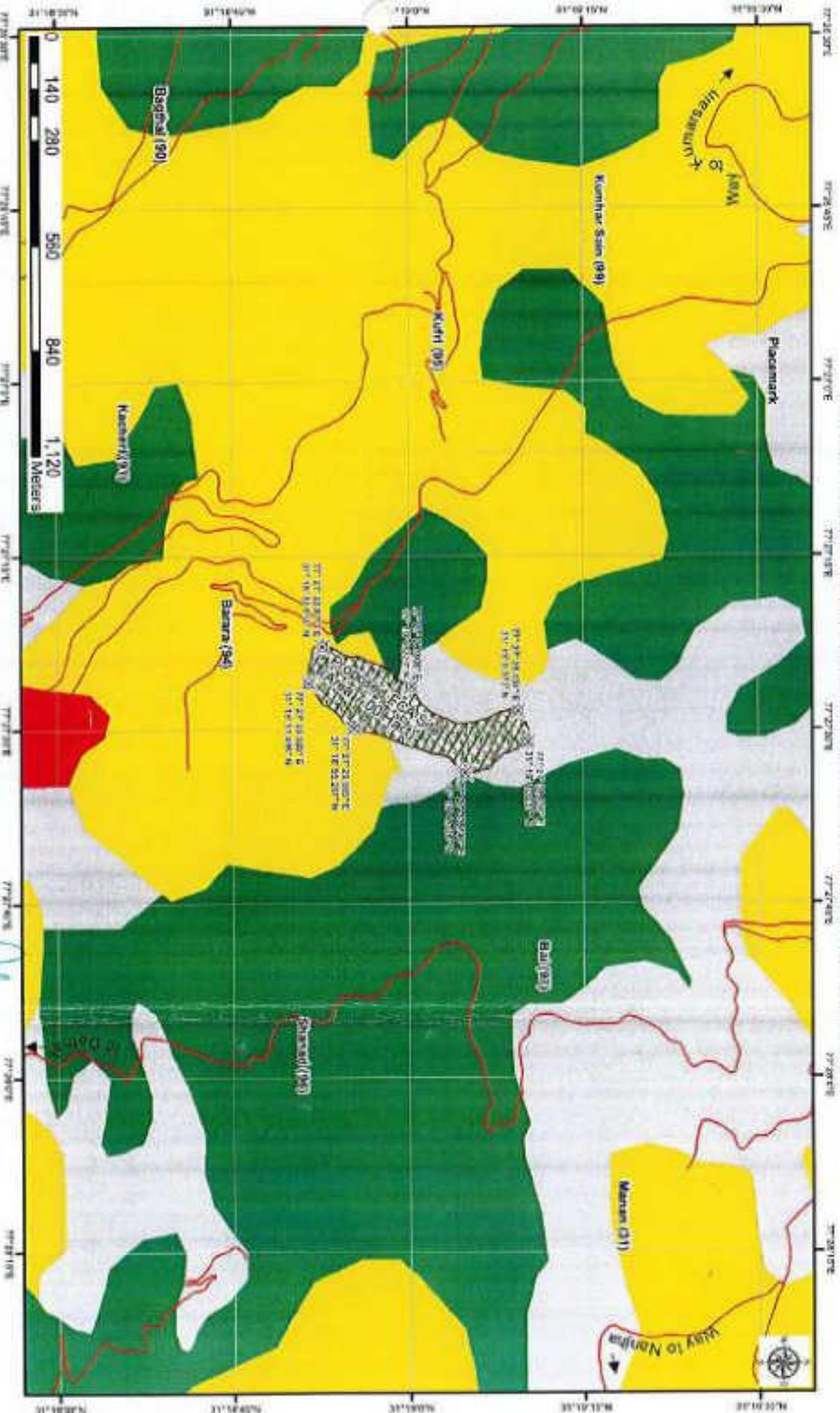
Prepared by: Kuma Forest Range, J.P.S.

Project: SJVN, LHEP, Bithari

Scale: 1:50,000

# Digital Land Use Map of Compensatory Afforestation Site at UF-Bhanoidhar (Area 7.00 Hact) Kumarsain Forest Range, District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP



## Legend

- Proposed FCA Site (7.00 Hact)
- Existing Road
- Footpath
- Plantation
- Green Cover
- Drainage
- Open Land/Waste Land
- Deputy Conservator of Forests
- Bridge

Kotgarh Forest Division, H.P.

Er. R.L. Megi

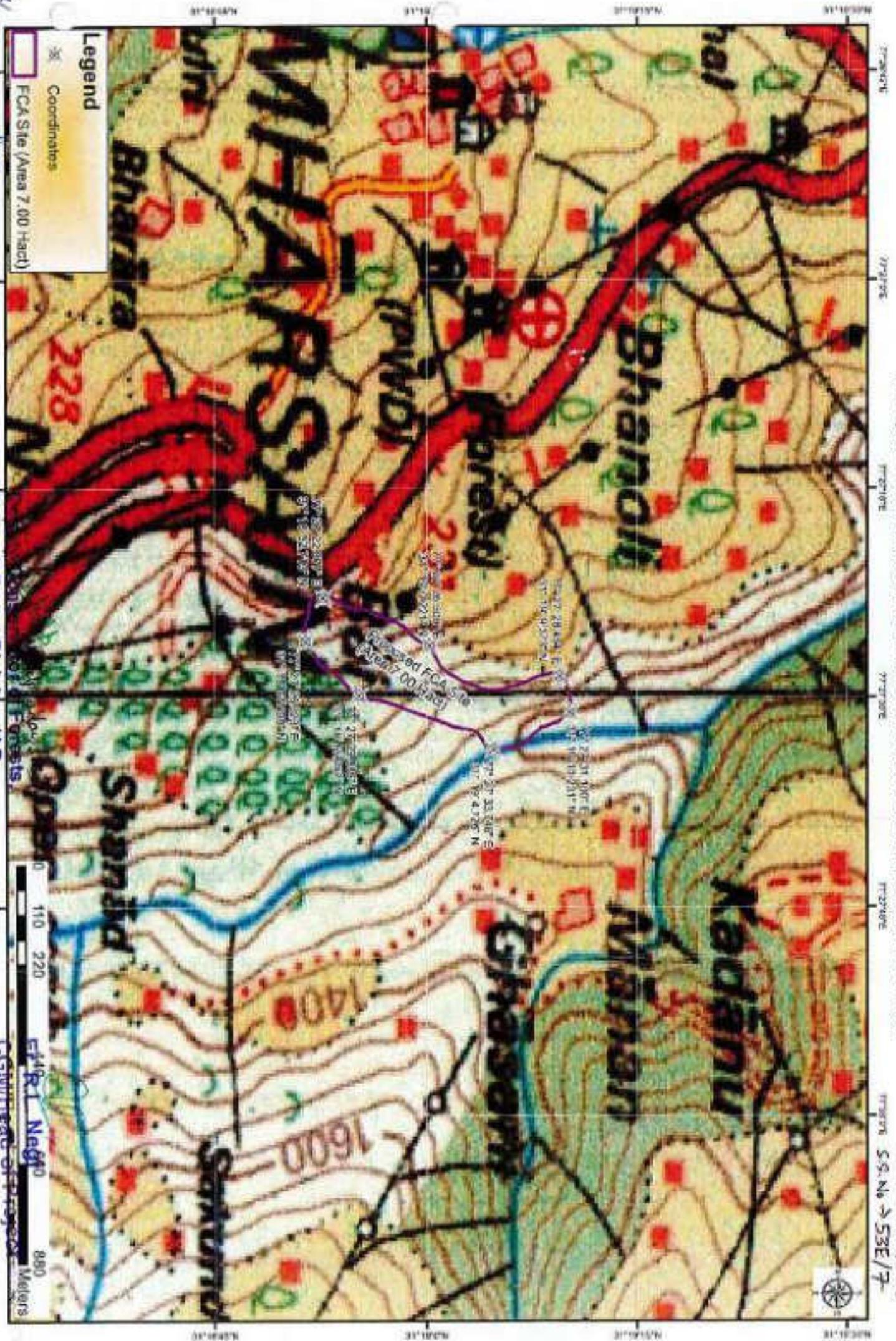
CGM/Head of Project  
 SJVN, Limited  
 Deputy Conservator of Forests



Shimla, Himachal Pradesh  
 The Government of Himachal Pradesh  
 Department of Forests & Environment  
 Shimla, Himachal Pradesh

**Digital Toposheet Map of Compensatory Afforestation Site at UF-Bhanoli (Area 7.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP

Scale - 1:50,000  
 S.S. No → 53E/7-



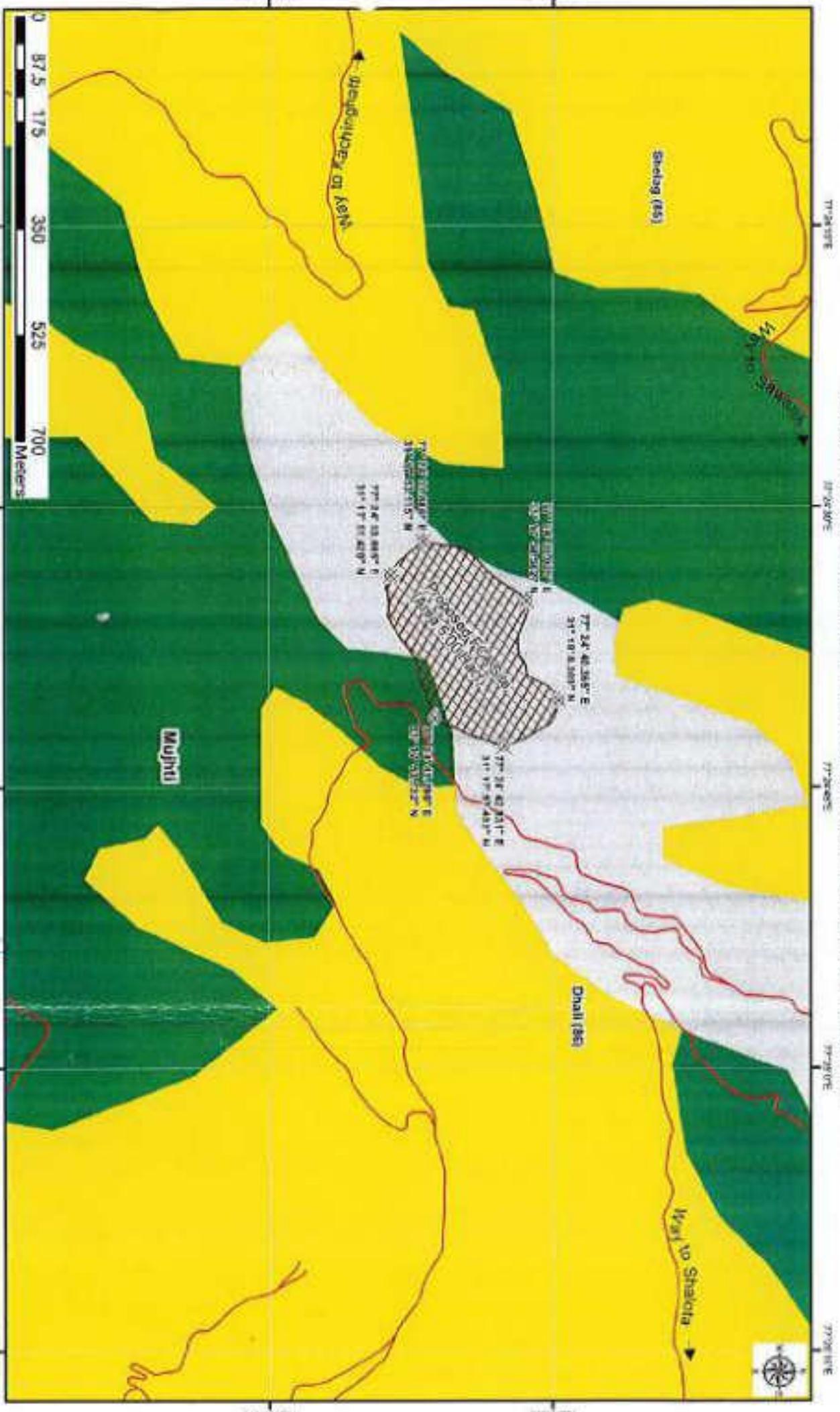
**Legend**

- ✕ Coordinates
- FCA Site (Area 7.00 Hact)

Kotgarh Forest Division, H.P.

Chief of Project  
 S.V.N. Ellep Bhatnagar

**Digital Land Use Map of Compensatory Afforestation Site at UF-Kahudhar (Area 5.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



**Legend**

- Proposed FCA Site (5.00 Hact)
- Existing Road
- Footpath
- Building
- Agricultural Land
- Plantation
- Green Cover
- Open Land/Waste Land
- Depository
- Conservation of Forests
- Bridge

Deputy Conservator of Forests,  
 Kotgarh Forest Division, H.P.

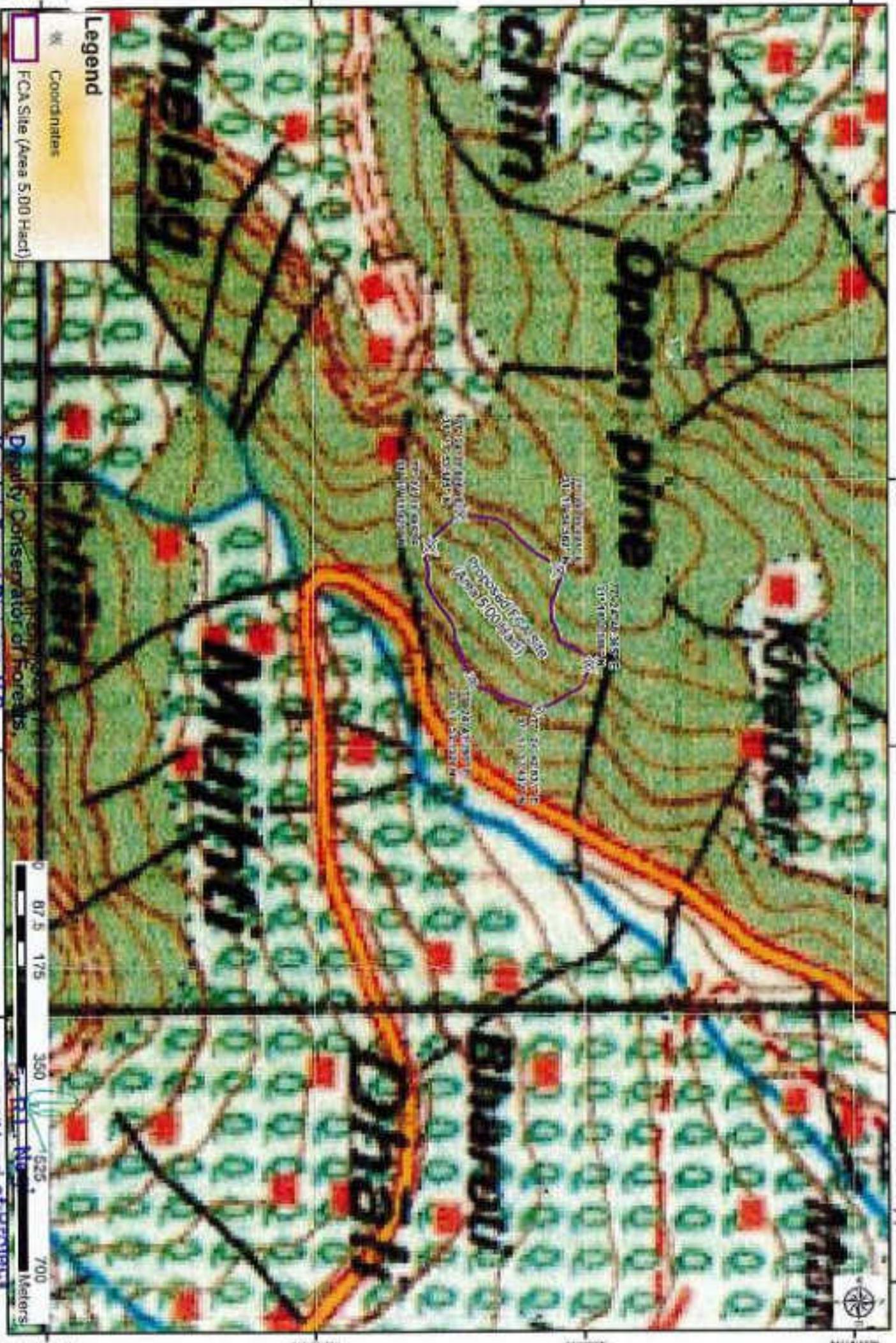
**Er. R.L. Negi**  
**CGM/Head of Project**  
 SJVN Limited  
 HEP, Baniat



This map has been prepared from the advance plan & layout as per the approved plan & layout of the project. It is not to be used for any other purpose without the written permission of the concerned authority.

Digital Toposheet Map of Compensatory Afforestation Site at UF-Kahudhar (Area 5.00 Hact) Kumarsain Forest Range, District Shimla, HP  
In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP

SCALE - 1:50,000  
S.No - 53E/7



**Legend**

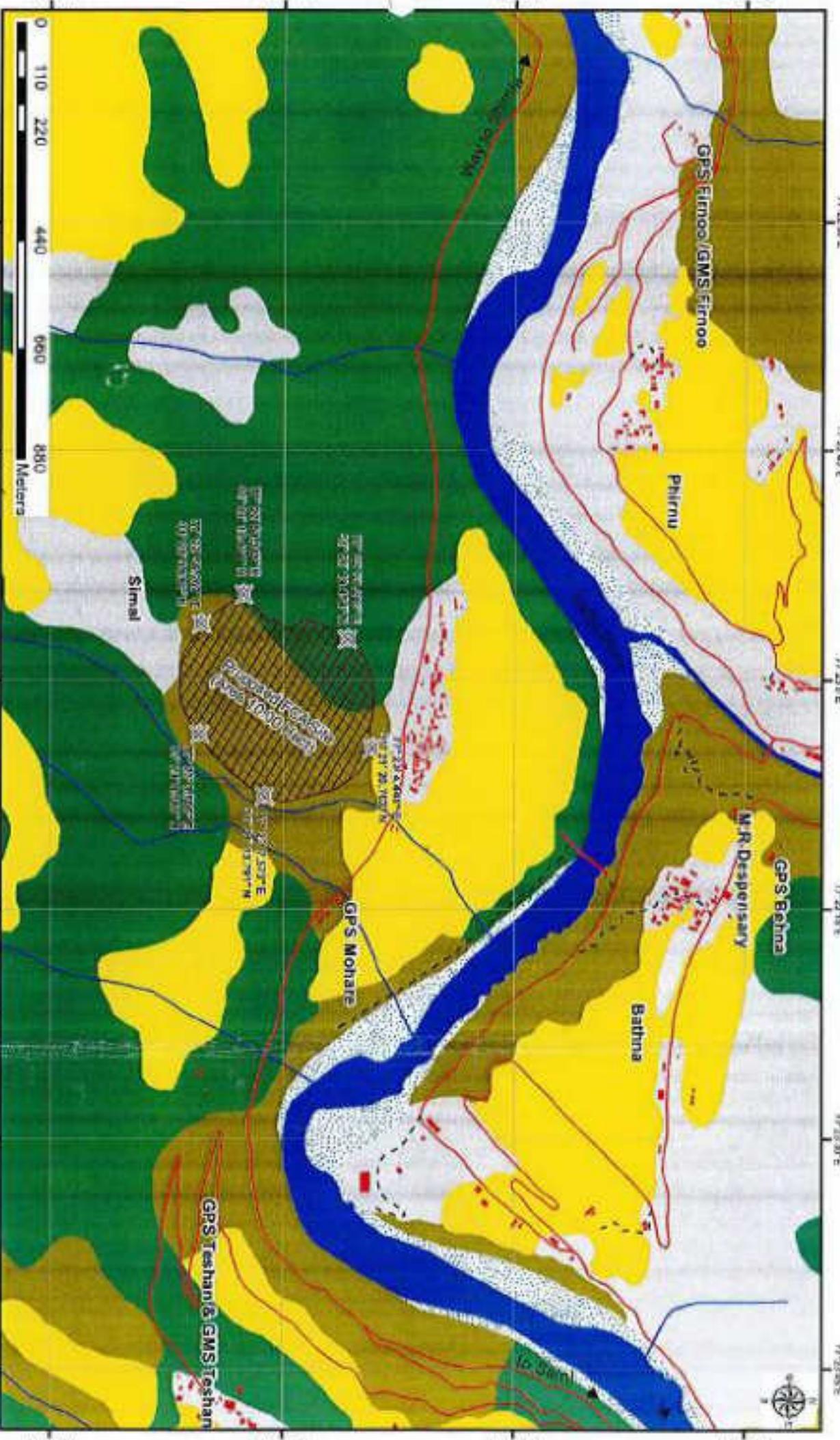
- Coordinates
- FCA Site (Area 5.00 Hact)

Density Conservator of Forests,  
Kotgarh Forest Division, H.P.

CGM/Head of Project,  
SJVN Limited HEP, Bilhal

0 87.5 175 350 525 700  
Meters

**Digital Land Use Map of Compensatory Afforestation Site at UF-Teshandhar (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



**Legend**

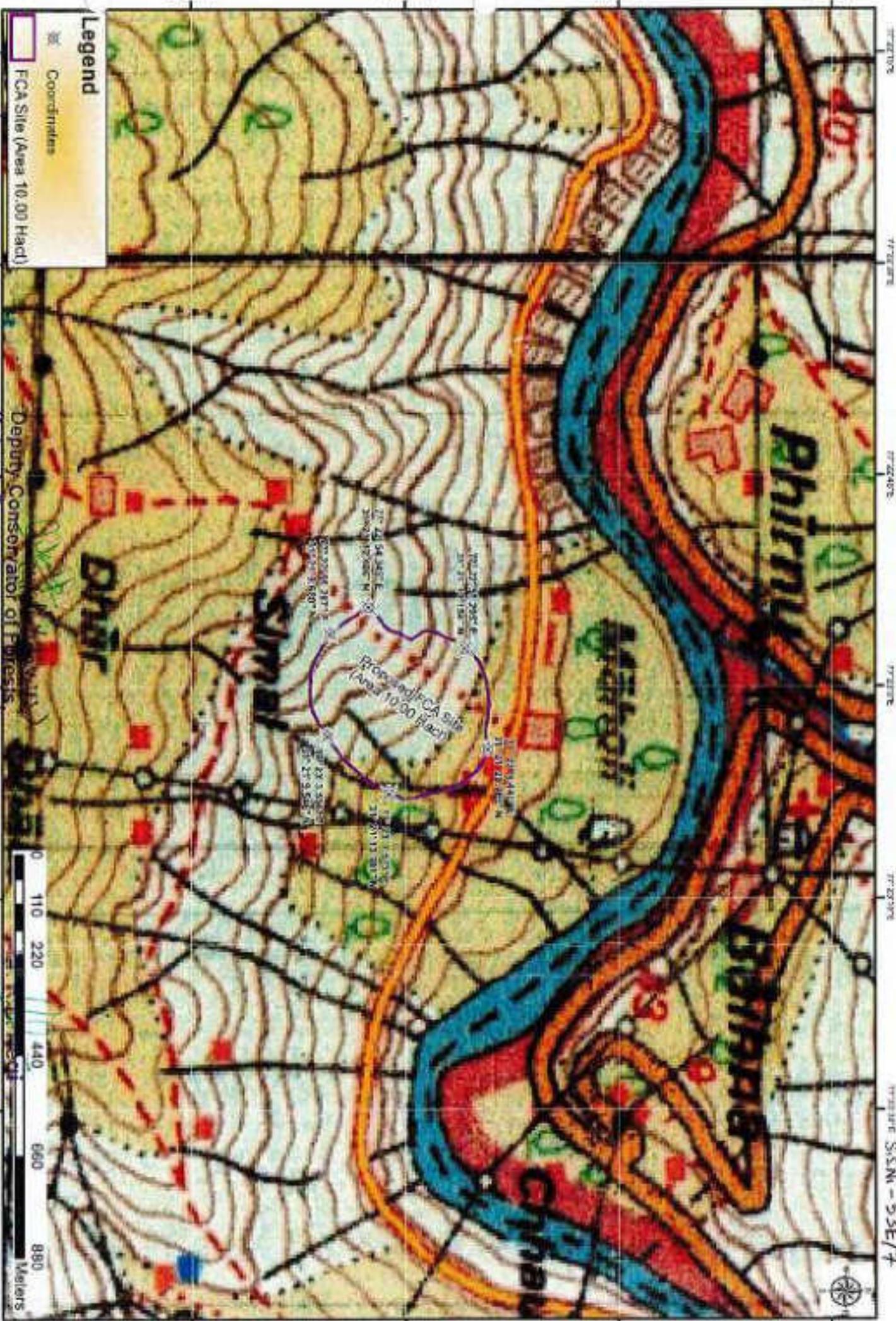
- Proposed FCA Site (10.00 Hact)
- Existing Road
- Footpath
- Builtup
- Agricultural Land
- Plantation
- Open Land/Waste Land
- Green Cover (K.M. Mandal, J.P.S)
- Deputy Conservator of Forests, D.P. Bed
- Kotgarh Forest Division, H.P.
- Bridge

**Er. R.L. Megi**  
**CGM/Head of Project**  
 SJVN Limited  
 Project Engineer

The map is prepared under the supervision of the Director General & Engineer in Charge, SJVN Limited. The responsibility of the content and accuracy of the map is solely of the preparer.

**Digital Toposheet Map of Compensatory Afforestation Site at UF-Teshandhar (Area 10.00 Hact) Kumsarain Forest Range, District Shimla, HP**  
In respect of SJVN Limited diversion of forest land for Construction of Sunni Dam HEP

Scale - 1:150,000  
Sheet S.S.N. - 53E/7



**Legend**

- Coordinates
- FCA Site (Area 10.00 Hact)

Deputy Conservator of Forests  
Kotgarh Forest Division, H.P.

CGM/Head of Project  
S.JVN I HFP Rithal

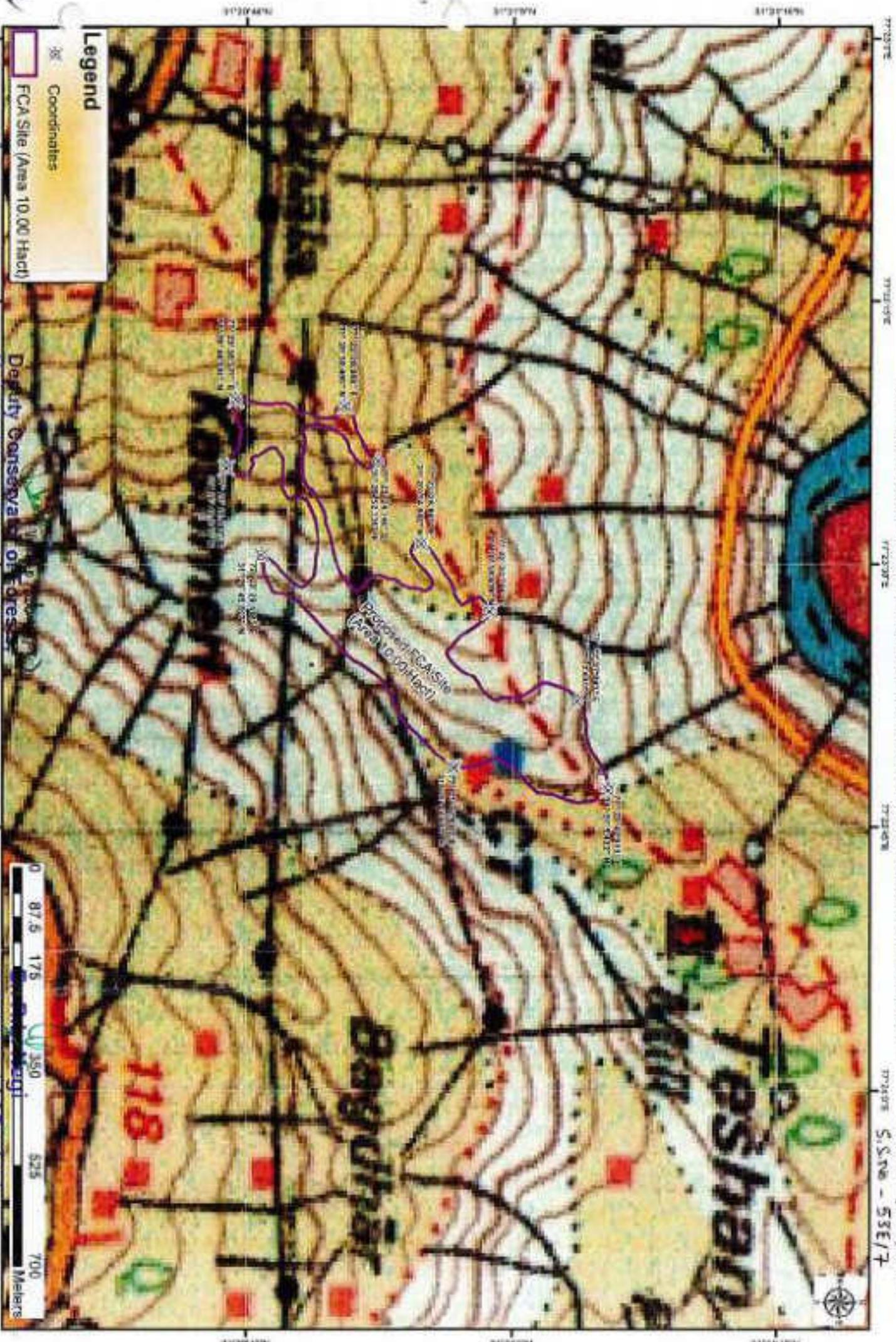


**Digital Toposheet Map of Compensatory Afforestation Site at DPF-Teshan C-14 (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP**

In respect of SJVN Limited diversion of forest Land for Construction of Sunil Dam HEP

SCALE - 1:50,000

S.No - 53E/7



**Legend**

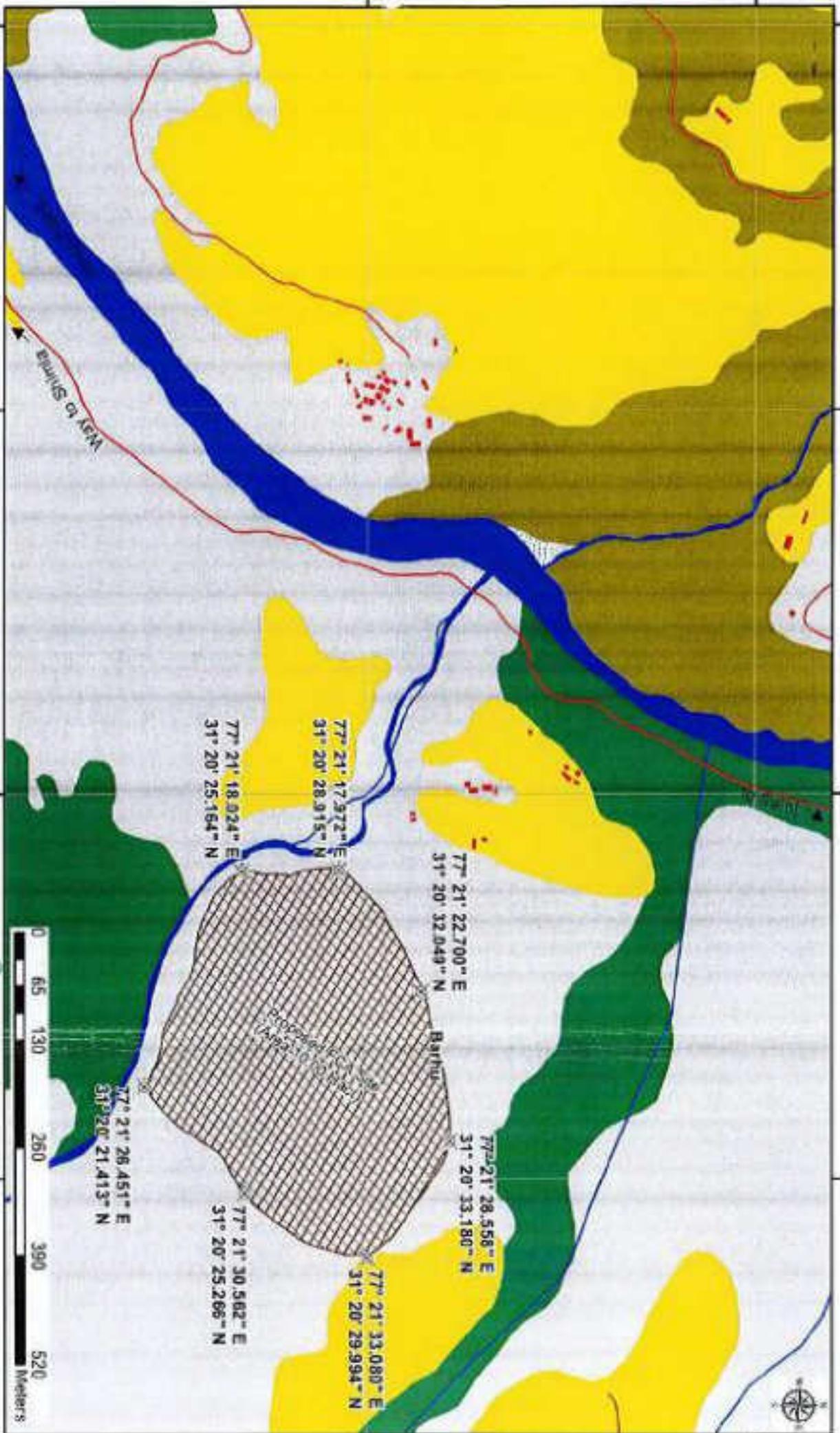
- X Coordinates
- FCA Site (Area 10.00 Hact)

Deputy Conservator of Forests  
Kotgarh Forest Division, H.P.

CGM/Head of Project  
SJVN, LHEP, Bithal



**Digital Land Use Map of Compensatory Afforestation Site at DPF-Bargal C-12 (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest land for Construction of Sunni Dam HEP



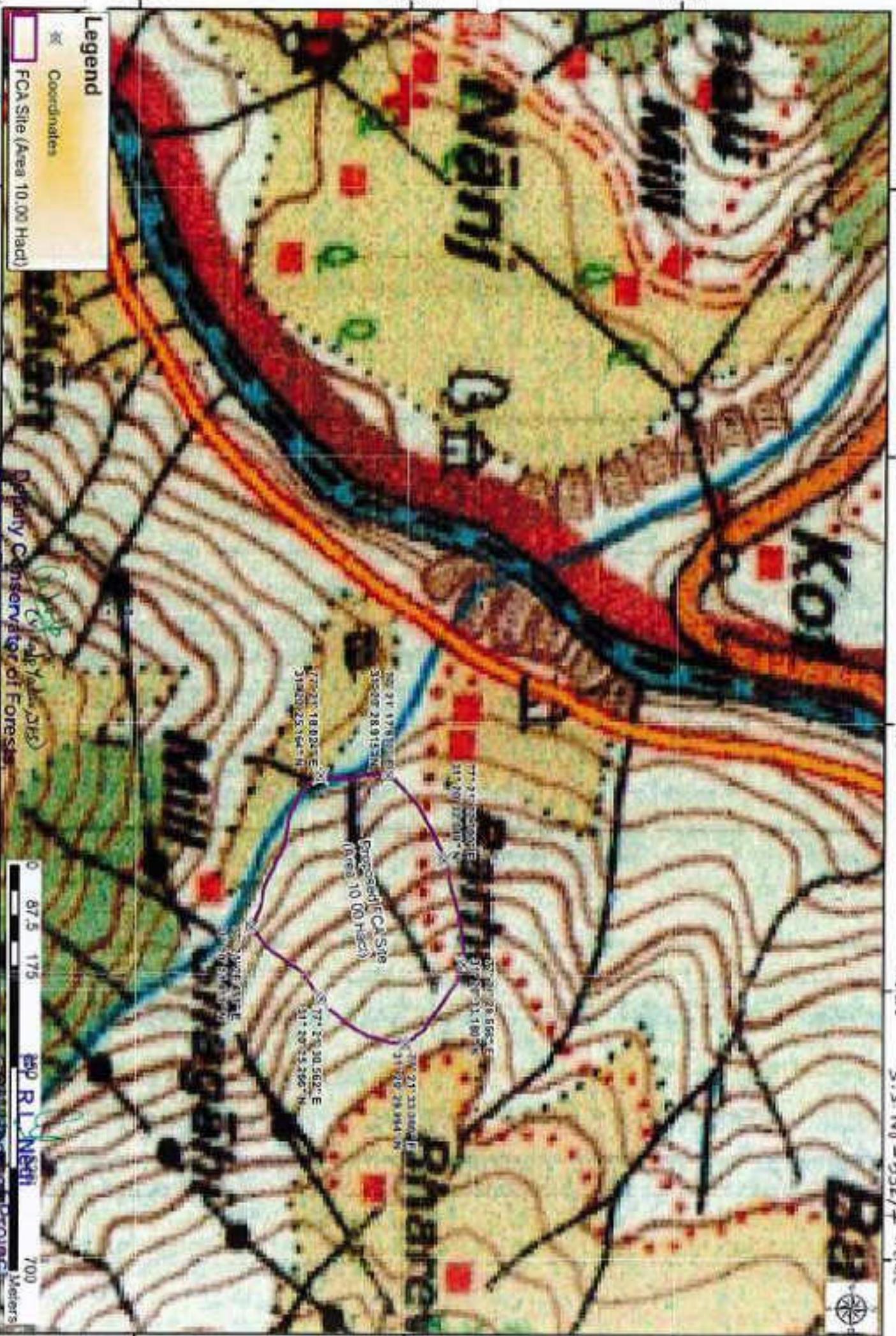
- Legend**
- Proposed FCA Site (10.00 Hact)
  - Existing Road
  - Footpath
  - Builtup
  - Agricultural Land
  - Plantation
  - Open Land/Waste Land
  - Green Cover
  - Drainage
  - Water Body
  - Water Bed
  - Bridge

**Er. R. L. Negi**  
**CGM, Head of Project**  
 S. J. V. N. Limited  
 Shimla, H.P.

**Digital Toposheet Map of Compensatory Afforestation Site at DPF-Bargal C-12 (Area 10.00 Hact) Kumarsaln Forest Range, District Shimla, HP**

In respect of SJVN Limited division of forest Land for Construction of Sunil Dam HEP

Scale - 1:50,000  
S.S. No - 53E/7



**Legend**

-  Coordinates
-  FCA Site (Area 10.00 Hact)

Deputy Conservator of Forests  
Kotgarh Forest Division, H.P.

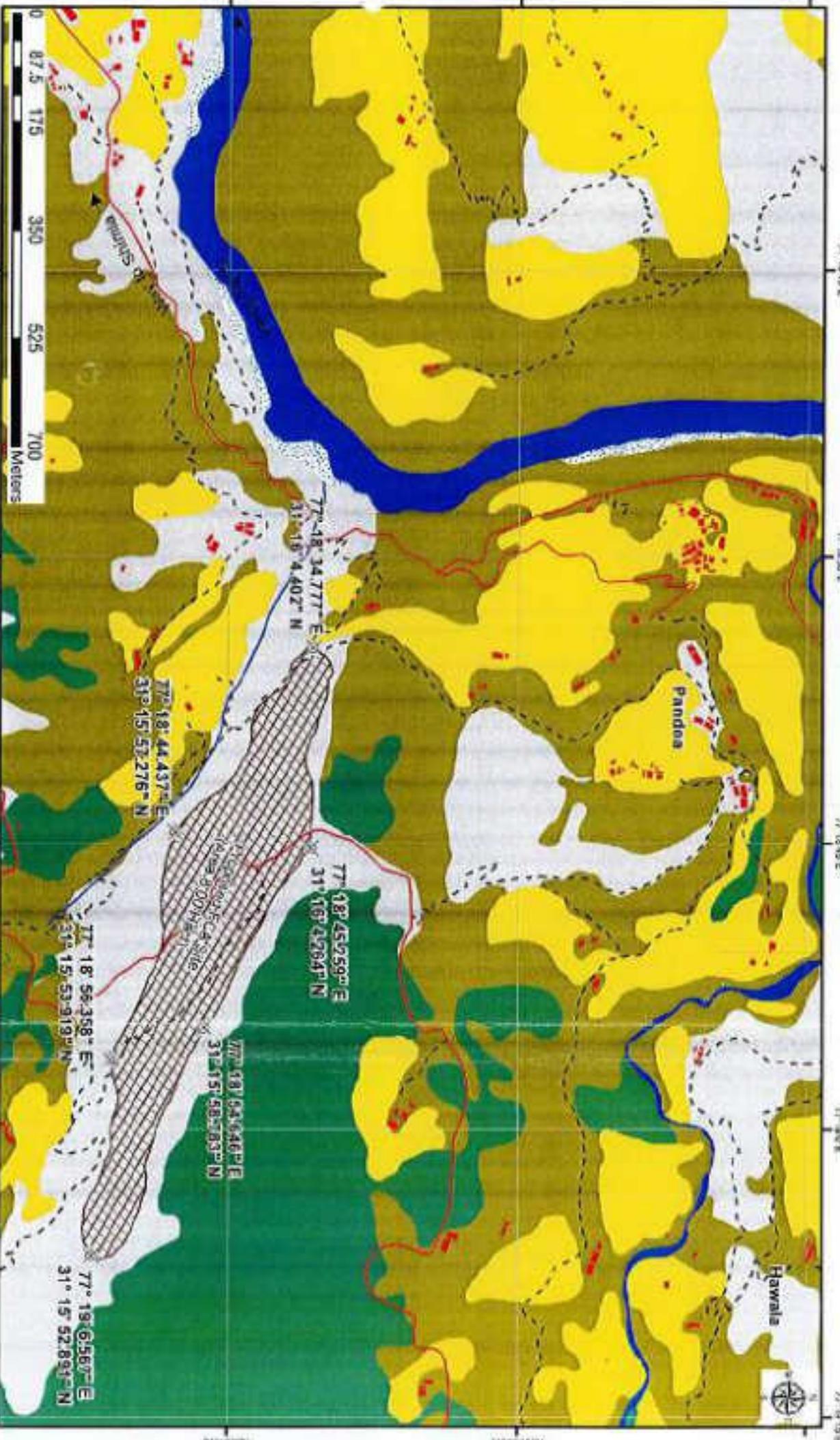
0 87.5 175

BP R.L. Nishi

700  
Meters

Joint Forest Project  
SJVN, LHEP, BILIMATI

**Digital Land Use Map of Compensatory Afforestation Site at UF-Khalontu (Area 8.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



**Legend**

- Proposed FCA Site (8.00 Hact)
- Building
- Existing Road
- Footpath
- Agricultural Land
- Plantation
- Open Land/Waste Land
- Water
- Bridge

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN Limited  
 Deputy Conservator of Forests  
 Kotgarh Forest Division, H.P.

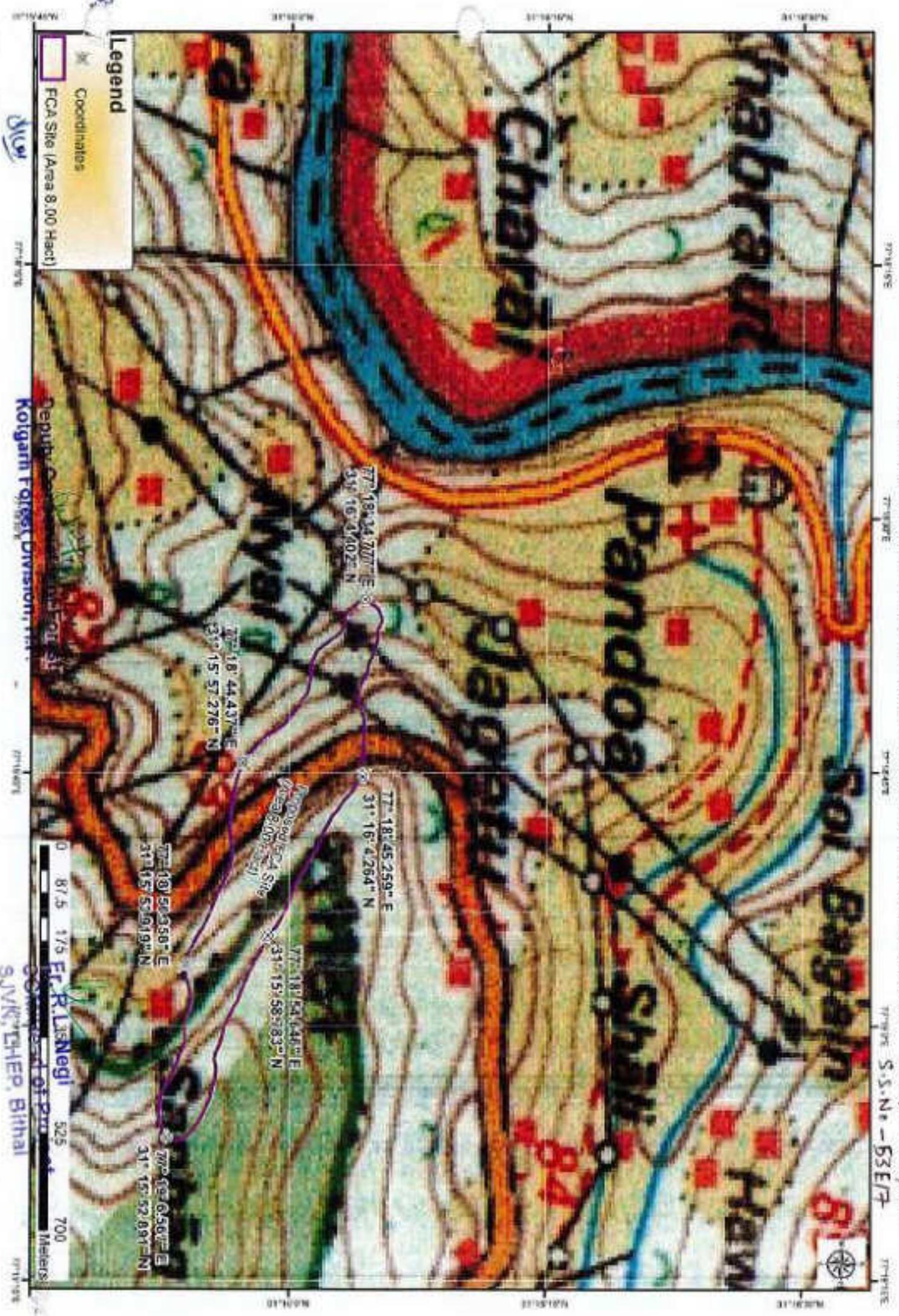
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN Limited  
 Deputy Conservator of Forests  
 Kotgarh Forest Division, H.P.

**Digital Toposheet Map of Compensatory Afforestation Site at UF-Khalontu (Area 8.00 Hact) Kumarasain Forest Range, District Shimla, HP**

In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP

SCALE - 1:50,000

S.S.No - 53E/7



**Legend**

- Coordinates
- FCA Site (Area 8.00 Hact)

77° 18' 24.207" E  
31° 16' 3.402" N

77° 18' 44.437" E  
31° 15' 57.276" N

77° 18' 45.259" E  
31° 16' 4.264" N

Compensatory Afforestation Site  
(Area 8.00 Hact)

77° 18' 54.646" E  
31° 15' 58.783" N

77° 18' 52.350" E  
31° 15' 52.619" N

77° 18' 52.619" E  
31° 15' 52.619" N

0 87.5 175 Fr. R. L. Negi 525 700 Meters

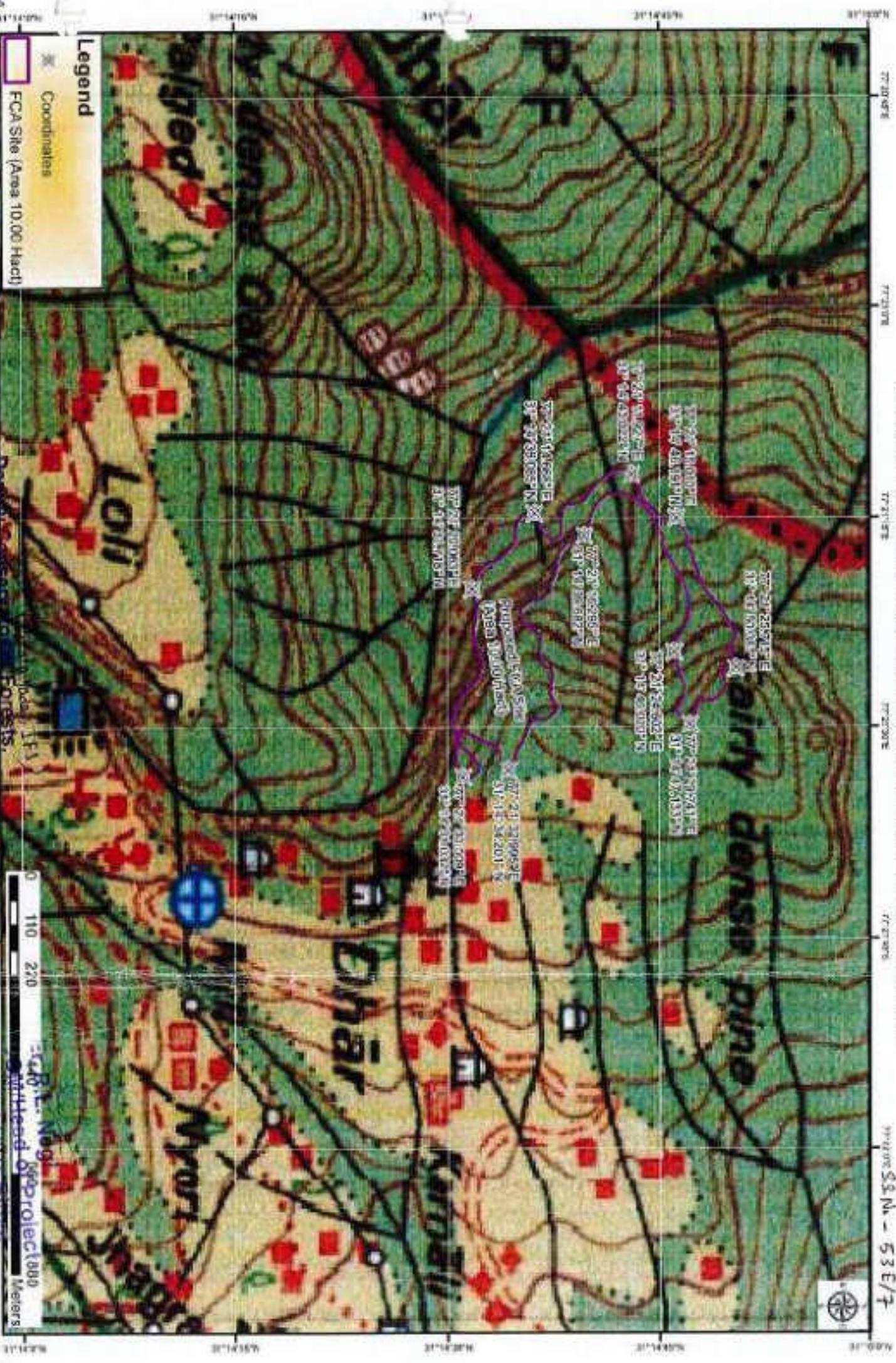
Depul  
Kalgani Forest Division, District Shimla, HP

SJVN, IHEP, Bithal



**Digital Toposheet Map of Compensatory Afforestation Site at UF-Deha (Area 10.00 Hact) Kumarsain Forest Range, District Shimla, HP**  
 In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP

Scale - 1:50,000  
 Sheet S.S. No. - 53E/7



**Legend**

- X Coordinates
- FCA Site (Area 10.00 Hact)

Deputy Conservator of Forests,  
 Kotgarh Forest Division, H:R:37/1

Scale - 1:50,000  
 Sheet S.S. No. - 53E/7

**CHECK LIST SERIAL NUMBER-18**

**SCHEME FOR COMPENSATORY AFFORESTATION**

Detail scheme for Compensatory Afforestation to be carried out in lieu of 37.3859 ha of forest area in Kotgarh Forest division and 42.6141 ha. in Karsog Forest Division to be diverted for the C/O Sunni Dam Project

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

District	Shimla
Village	Nathan
Tehsil	Kumarsain
Name of Forest Division	Kotgarh
Range	Kumarsain
Block/Compartment/Survey No.	List Attached at Pg. No
Area to be afforested	160 Ha.

**2. Description of Area:-**

1	Whether the site selected for Compensatory Afforestation is a land bank or not	Yes the selected area is a land bank.
2	If the CA site is other than the land bank, reasons be given	NA
3	In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:-	NA
4	Soil type	Sandy loam.
5	Topography	Hilly Medium
6	Whether the area is bearing any root stock of vegetation species exist in the area except for some bushes stuff.	No

**3. Plantation Model:-**

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

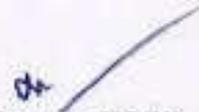
*[Handwritten signature]*

*[Handwritten signature]*  
**Er. R. L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

- (e) **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.
- (f) **Protection (Fencing, Watch man, People's Participation etc.):**- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.
- (g) **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 approachable from Nathan.
- (h) **Any other information:** - Nil.

Dated:- 18-12-2020

Place:- Kotgarh.

  
 (Raj Kumar, HPFS)  
 Divisional Forest Officer  
 Kotgarh, Forest Division/HP.

  
 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bilthal

## Compensatory Scheme for diversion case of Sunni Dam Project UNDER KOTGARH FOREST DIVISION

Area proposed for compensatory afforestation	160 ha				
Name of proposed plantation area	List Attached				
Plants to be planted per ha	1100				
Total number of plants to be planted	176000				
Species to be planted	Chil & Broadleaved etc.				
<b>Particulars of works</b>	<b>Units cost at wage structure for 2020-21.</b>	<b>Year of execution of works</b>	<b>Cost Escalation</b>	<b>Units cost after applying cost escalation.</b>	<b>Total amount</b>
Initial cost for raising afforestation over an area of 160 ha	78640 per ha	2021-2022			
1 <sup>st</sup> year maintenance	8350	2022-2023	10%	86504	13840640
2 <sup>nd</sup> year maintenance	5630	2023-2024	20%	10020	1603200
3 <sup>rd</sup> year maintenance	2915	2024-2025	30%	7319	1171040
4 <sup>th</sup> year maintenance	2915	2025-2026	40%	4081	652960
5 <sup>th</sup> year maintenance	2915	2026-2027	50%	4373	699680
6 <sup>th</sup> year maintenance	2915	2027-2028	60%	4664	746240
7 <sup>th</sup> year maintenance	2915	2028-2029	70%	4956	792960
8 <sup>th</sup> year maintenance	2915	2029-2030	80%	5247	839520
9 <sup>th</sup> year maintenance	2915	2030-2031	90%	5539	886240
10 year maintenance	2915	2031-2032	100%	5830	932800
<b>Total Plantation</b>				6122	979520
Contingencies @ 5%					1157240
				<b>Total</b>	24302040
Departmental Charges @ 17.5 %					4252857
				<b>Total:-</b>	28554897
				<b>Or Says:-</b>	28554900/-

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

Er. R.L. Nogi  
CGM/Head of Project  
SJVN, LHEP, Bithal

## CHECK LIST SERIAL NUMBER-20

### LAND SUITABILITY CERTIFICATE BY THE DCF

This is to certify that 160 hec. Land bearing Survey No./ Component No. As per list attached at Page No. \_\_\_\_\_ Tehsil Kumarsain District Shimla Identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments.

Place - Kotgarh  
Dated...13/02/2020...

  
 (Vikalp Yadav, JPS)  
 Deputy Conservator of Forests,  
 Kotgarh Forest Division, H.P.  
 Office Seal.....

No 1788 dt 26/6/18

1A0

# JOINT CERTIFICATE REGARDING NON AVAILABILTY OF NON FOREST LAND FOR RAISING COMPENSATORY AFFORESTATION

This is to certify that all the Govt. waste land in this district are considered as forest land in view of the Notification Ft. 29-241/B/C/49 dated 25.02.1952 of Govt. of Himachal Pradesh according to which all Govt. waste land has been declared as protected forests. Hence there is no availability of suitable non forest land within the jurisdiction of Kotgarh Forest Division, Shimla District for raising compensatory afforestation in lieu of diversion of 37-38-59 ha. forest land comprised Khasra No. as mentioned in check list serial No.6 for construction of Sumi Dam Hydro Electric Project in District Shimla H.P. under the jurisdiction of Forest Division Kotgarh, District Shimla H.P.

Collector,  
Shimla District, Shimla H.P.

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

*[Handwritten signature]*

*[Handwritten signature]*

Er. R. L. Negi  
Head of Project  
SJVN, LHEP, Bithal

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

JOINT CERTIFICATE REGARDING NON AVAILABILITY OF NON FOREST LAND FOR RAISING COMPENSATORY PLANTATION.

This is to certify that all the Govt. waste land in this district are considered as forest land in view of the Notification Pt. 29-241/B/C /49 dated 25.02.1952 of Govt. of Himachal Pradesh according to which all Govt. waste land has been declared as protected forests. Hence there is no availability of suitable non forestland within the jurisdiction of Shimla Forest Division, Shimla District for raising compensatory plantation in lieu of diversion of ~~157-3484~~ hac. Forest land for Construction of Suni Dam HEP in District Shimla under the jurisdiction of Forest Division Shimla, District Shimla H.P.

Collector,  
Shimla District, Shimla H.P.

Divisional Forest Officer  
Shimla Forest Division  
Shimla-2

*[Signature]*

*[Signature]*

*[Signature]*  
Er. R. L. Negi  
Head of Project  
SJVN, LHEP, Bithal

*[Signature]*  
Er. R. L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

*[Signature]*

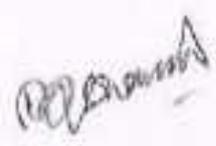
*[Signature]*

**JOINT CETIFICATE REGARDING NON-AVAILABILITY OF NON FOREST LAND FOR RAISING COMPENSATORY PLANTATION**

This is to certify that all the Government waste land in this District is considered as forest land in view of 1952 notification of Government of Himachal Pradesh, hence there is non - availability of suitable non- forest land within the jurisdiction of Karsog Forest Division, Mandi District, for raising of compensatory plantation in lieu of diversion of 194-99-72 hac. forest land for the construction of Sunni Dam HEP within the jurisdiction of Karsog Forest Division, District Mandi H.P.

  
Collector  
Mandi, District Mandi H.P.

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





  
Er. R.L. Negi  
Head of Project  
SJVN, LHEP, Bithal



  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal





# SJVN Limited

(A joint venture of Govt. of India and Govt. of H.P.)

A Mini Ratna & Schedule 'A' PSU

**Luhri Hydro Electric Project**

(An ISO 9001:2008 Certified Project)

143

## Status of Environment Clearance

The Ministry of Environment, Forest and Climate Change has accorded Scoping/TOR approval for Sonni Dam Project vide letter no. No. J-12011/14/ 2017-1A-4, dated 29.06.2017. Accordingly, the work for preparation of EIA/EMP report has been awarded to M/s Voyants Solutions Pvt. Ltd., Gurugram, Haryana. The EIA/EMP report is under preparation stage.

Date: 22.11.2018

Place: Bithal

( R. L. Negi )  
Head of Project  
Sonni Dam HEP, Bithal  
Distt. Shimla (H.P.)

  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Registered & Corporate Office: Halted Building, New Shimla-171009 (H.P.)

Website : [www.sjvn.nic.in](http://www.sjvn.nic.in), CIN:L40101HP1988GO1008409

Head Office of Project: Bithal, P.O. Samathala, Teh. Kumarsain, Distt. Shimla-172030 (H.P.)

Phone No. : 01782-221807, Fax No. : 01782-222616

E-mail: [envqsafetyhep@gmail.com](mailto:envqsafetyhep@gmail.com)

The two nos. temporary site offices are proposed to be constructed of Pre-fabricated tubular structure at Dam site Khaira for Sunni Dam HEP. The built-up area of each site shall be approximate 900 sqm. The following raw materials shall be used for construction:

- 1. Pre-fabricated panel
- 2. Pre-painted steel sheet
- 3. Aggregates
- 4. Sand
- 5. Cement
- 6. M.S. Angel
- 7. Stone

The temporary site offices shall be removed after completion of the Project.

*21/01/20*  
 AGM (Civil)  
 Sunni Dam H.E. Project,  
 Sunni

HOP/ LHEP  
Bithal

*b<sub>2</sub>*  
*6/10/20*

*R.L. Negi*  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**



## **SJVN Limited**

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)

(A Mini Ratna and Schedule 'A' Company)

ON- L40101HP1988G01008409

website- [sjvn.nic.in](http://sjvn.nic.in)

## **Sunni Dam HEP**

(An IS/ISO9001:2015 certified Project)

Village Bithal, P.O. Shamathala, Teh. Kumarsain, Distt. Shimla - 172030

e-mail: [envqcsafetylhep@gmail.com](mailto:envqcsafetylhep@gmail.com); Phone no. : 01782- 222807, Fax: 01782-222277

## **Undertaking for scheme for Rehabilitation of project Affected Person**

It is certified that the process of preparation of revenue papers is in progress. Thereafter, project management will apply for private land acquisition to the State Government of Himachal Pradesh. Further Himachal government will forward the case to its social impact Assesment Unit for social impact Assesment Study. After the completion of the study, GoHP will notify the section XI of "The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013". Subsequently, after public hearing, the state Adminstrator shall prepare R&R scheme.

Enc. Annexure

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 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

Government of Himachal Pradesh  
Department of MPP & Power

\*\*\*\*\*

No. MPP-F(5)-8/2018

Dated: Shimla-171002. 21-10-2019

NOTIFICATION

On the recommendations of the Expert Group constituted by the Revenue Department vide notification No.Rev.B.A.(3)-3/2014-Vol.III dated 22.07.2019 to evaluate the report of Social Impact Assessment Unit and further in exercise of the power under Section 8 (2) of the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 read with Rule 12 of the H.P. Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement (Social Impact Assessment and Consent) Rules, 2015, the Governor of Himachal Pradesh is pleased to recommend Satluj Jal Vidyut Nigam Limited (SJVNL) to acquire the land at Village Jashi, Bharara, Khaira, Lunsu, Bathora, Pandoa, Grehana, Talah, Ogli, Kothi, Malgi, Tehsil Sunni, Village Jhunjhun, Majhrog, Tehsil Kumarsain, District Shimla and Village Jakteen, Bhunra, Balog, Fafaan, Parlog, Baludhank & Kharyali, Tehsil Karsog, District Mandi, (HP) area measuring 53-19-64 hectare comprising of Khasm Nos. as attached at Annexure "A" with the objectives for construction of Sunni Dam Hydro Electric Project (382 MW) in order to harness optimal hydel potential river of Satluj, in the public interest.

By Order

(Prabodh Saxena)  
Principal Secretary (Power) to the  
Government of Himachal Pradesh.

Endst. No. As above

Dated: Shimla-171002, the 21-10-2019

Copy forwarded for information &amp; necessary action to:

1. Additional Chief Secretary (Revenue) to the Govt. of Himachal Pradesh, Shimla-02.
2. Director Energy, Directorate of Energy, Shanti Bhawan, Phase-III, Sector-06, New Shimla-09, alongwith soft copy of notification in Hindi & English to upload the same on departmental Website.
3. The Chairman SIAU-cum-Director HIPA, fairclawns, Shimla.
4. The Deputy Commissioner, District Shimla and Mandi, Himachal Pradesh.
5. The Sub-Divisional Magistrate, Sunni/Kumarsain, Distt. Shimla and Karsog, Distt. Mandi for wide publicity in their area.

Vib

## Proposed Sunni Dam Hydro Electric Project

Tentative detail of Land owners, Landless, Houseless and others

Sr. No.	Description	Nos.	Total
1	Land owners	2281	2281
2	Land owner families	568	568
3	Landless owners (General)	2006	(Sr. No. 3+5) =2281
4	Landless families (General)	502	
5	Land owners (SC)	273	(Sr. No. 4+6) =568
6	Land owner families (SC)	66	
7	Houseless persons	39	(Sr. No. 7+9) =49
8	Houseless families	08 ✓	
9	Houseless persons (SC)	10	(Sr. No. 9+10)=10 ✓
10	Houseless families (SC)	02 ✓	
11	Landless persons	191	(Sr. No. 11+13) =243
12	Landless families	50	
13	Landless persons (SC)	52	(Sr. No. 12+14) =61
14	Landless families (SC)	11	

Head of Project  
 SJVN, LHEP, Bithar

**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithar**

एसजेवीएन लिमिटेड

**SJVN Limited**

(A joint venture of Govt. of India & Govt. of Himachal Pradesh)

A 'Mini Ratna' & Schedule 'A' PSU

CIN : CML4910HP1985DCI001405

सुन्नी डैम हाईड्रो पावर प्रोजेक्ट

Sunni Dam Hydro Power Project

HOP Secretariat



## Undertaking

Certified that the specific CAT Plan of Sunni Dam HEP is under preparation stage in line with comprehensive Catchment Area Treatment Plan of Satluj Basin as prepared by Himachal Pradesh Forest Department. I hereby undertake to provide copy of the approval of competent authority of Catchment Area Treatment Plan (CAT Plan) before the forest proposal is approved by the Ministry of Environment, Forest and Climate change, New Delhi.

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bilhal

Authorized Signatory,

Date :

Place :



the banks will be planted with suitable tree species. In areas with moderately steep slopes indigenous, economically important, soil binding tree species, which are able to thrive well under high humidity and flood conditions, will be planted. The cost of plantation in rim area of reservoir for 45 ha @ Rs. 1.56 lakh/ha has been assessed as Rs 70.20lakh and is included in Green Belt Development Plan under Section 10.6of this report

### 10.7.5 Cost Estimate

The combined cost estimate for protection work and shrub plantation is shown in Table 10.48.

Table 10.48: Cost of Reservoir Rim Treatment

S. N.	Particulars	Amount (Rs. Lakh)
1. 1	Land slide zone Protection	384.53
2. 2	Cost of 600m Protection Wall	136.09
Total		520.62
Sey		561.00

## 10.8 MUCK MANAGEMENT PLAN

### 10.8.1 General

For construction of different components of Sunni Dam HEP, open and underground excavation shall be carried out in overburden and rock. The excavation shall result in large quantity of excavated material i.e. muck which shall have to be evacuated, disposed of and roller compacted or laid on mild slopes *pari-passu* with the excavation work, to such designated areas where the muck piles do not substantially interfere with either environment / ecology or the river flow regime and cause turbidity impairing the quality of water. The disposal of muck has to be scientifically planned keeping in view the pecuniary aspects necessitating nearness to the generating component of work, which understandably reduce the travel time of dumpers, interference to surface flow and ground water aquifer, and disposition of habitation. In the present case, the total quantity of muck / debris, to be generated due to the project, shall be 15.46 lakh cum, out of which 11.59 lakh cum (75%) shall be consumed on project work leaving 3.86 lakh cum, which with 45% swell factor shall amount to 5.60 lakh cum, to be disposed-off away from sites so as to make available the clear site for construction activities. The muck which is suitable for use as aggregate material for concrete on wearing and non-wearing surface, backfill concrete and for bench development, retaining walls and creation of job facilities widening of the road shall be properly stacked. The muck unsuitable for use in concrete etc. shall be dumped on slopes and treated to mix and match with the surrounding environment with least change in landscape. Component wise details of the muck generated and its management is given in Table-10.49. The location of all dumping sites is depicted in Figure-8.1.

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



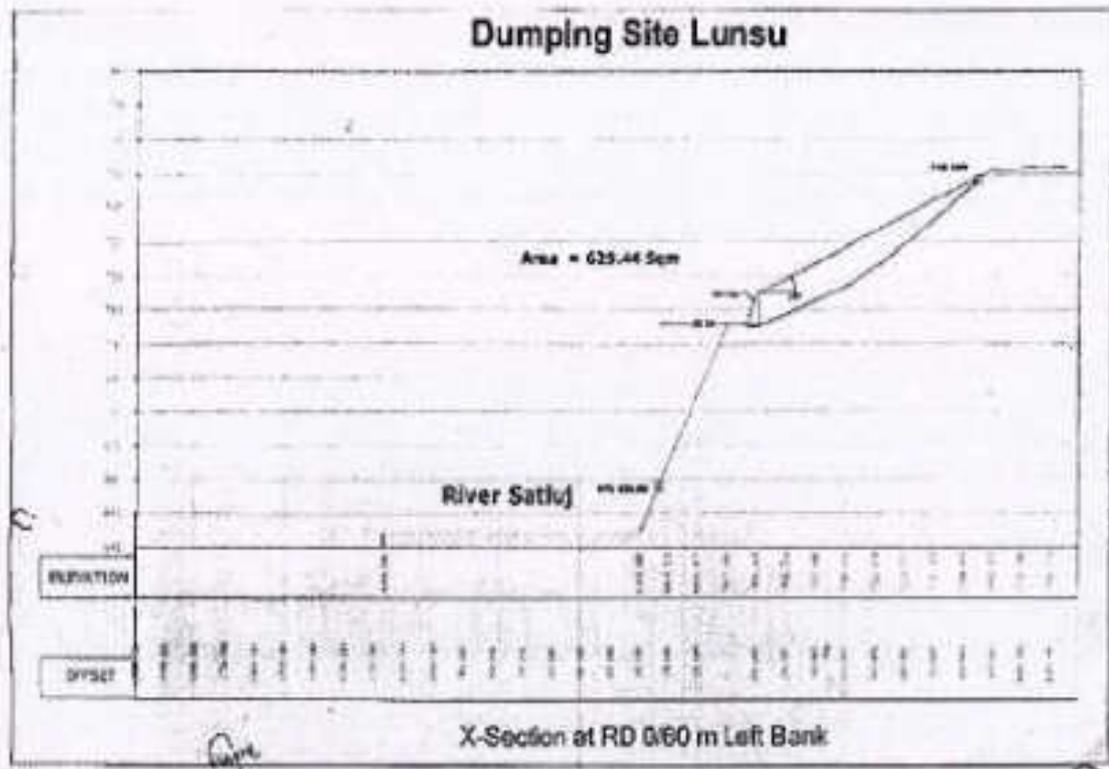


Table 10.53: Typical Cross Section of Dumping Site D-1

### 10.8.3 Implementation of Engineering & Biological Measures

As already explained engineering measures like providing retaining walls and compaction of muck will provide stability to the profile of muck piles. Later on, suitable top soil amended with bio-fertilizers shall be laid on top of muck piles and vegetated.

#### 10.8.3.1 Engineering Measures

It has been observed that after excavation the disposal of muck creates problem as it is susceptible to scattering unless the muck disposal yards are supported with engineering measures such as retaining structures, crate walls and gabions. All the dumping sites need proper handling to avoid spilling of muck either on the adjoining and or into the river water while dumping and in the post dumping stages. The muck disposal sites shall have to be developed from below the ground level by providing 10 m high 300 m long RCC Counterfort retaining wall and also 10 m high 300 m long plum concrete retaining wall. The retaining wall shall be kept at least 30m away from the point of intersection of HFL of the river with the hill slope. Launching apron of boulder wire crate shall be placed in front of the retaining wall. After construction of retaining wall, the muck brought in dumpers shall be dumped and manually spread behind the wall. The muck shall be laid with vertical angle not exceeding 280 in such a manner that rock mass is properly stacked behind the wall with minimum of voids. The muck pile shall be later covered with geo-Geo-coir textile properly held to the ground by steel wire U-nails and rehabilitated by afforestation of herbs and shrubs. Geo-coir textile should also be provided on surface of muck piles where top surface is to be vegetated.

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 Er. R. E. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal



It is proposed to use soil mixture in the pits & patches consisting of soil imported from nearby areas mixed with compost or human or vermin-compost or all of these. The ratio for the mix would be 5 parts: Compost/manure 2 parts: Sand 2 part: and humus or vermin-compost 1 part. This will make nutrients really available for the plants in the preliminary stages and also help increase soil aeration, porosity & permeability and improved moisture available for the plants.

The stabilization sites from the time of execution of biological measures would be protected with barbed wire fencing on 2m high RCC posts and provided with inspection paths. Since the muck dumping sites are being provided with either RCC walls or the wire crate (gabion) wall on the valley side (towards river) which is not negotiable by animals and human beings, fencing would not be required along the entire perimeter. Hence, it would be done on the vulnerable sections i.e. towards the hillside only.

The proposed costs include nursery costs for initial planting and also for mortality replacement.

The biological measures shall be taken up towards the end of construction. The plantations would be maintained for a period of 5 years by irrigating the plantation during dry seasons, mortality replacement and repair of fencing & inspection paths within the area. The task of irrigation would be performed by the watch & ward (chowkidar) provided in the cost estimate.

#### 10.8.4 Species for Plantation

Afforestation with suitable plant species of high ecological and economic value and adaptable to local conditions will be undertaken at the rate of 800 plants per hectare in accordance with canopy cover requirement. The major plant species which can be used in the area shall belong to indigenous species.

#### 10.8.5 Cost Model for Plantation

The cost model for plantation on muck dumping sites is given in Table-10.54.

Table 10.54: Cost Model for Plantation on Muck Dumping Sites (For One-hectare Area)

S. No.	Particular	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
A.	<b>PLANTATION:</b>				
(1)	<b>GRASS SLIP PLANTING AND GRASS SEED SOWING:</b>				
1	Preparation of soil mixture (soil, sand, humus & compost) including digging, purchase, carriage to the site of work and mixing at site.	75.00	Cum.	850.00	63750
2	Digging of staggered patches 1 m x 0.50 m x 0.30 m @ 500 patches/ha.	75.00	Cum.	50.00	3750
3	Filling of staggered patches with imported soil mixture.	75.00	Cum.	15.00	1125
4	Extraction of grass slips from nursery beds @ 50 slips per patch.	25000	Per Slip	0.12	3000
5	Carriage of grass slips from nursery to work site.	25000	Per Slip	0.15	3750
6	Planting of the extracted grass slips in above patches	25000	Per Slip	0.18	4500

  
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SJVN, LHEP, Bithal



S. No.	Particular	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
3	Filling of pits (45cm x 45cm x 45cm) for B/L plantation with imported soil mixture.	600	No.	1.27	762
4	Extraction of plants from nursery beds.	600	No.	0.25	150
5	Carriage of plants from nursery to the work site over an average distance of 10 Km uphill carriage.	600	No. per Km.	0.17	1020
6	Planting of B/L plants in pits including ramming.	600	No.	0.86	516
7	Mulching of B/L plants with grass.	600	No.	0.28	168
8	Cost of plants (in nursery).	600	No.	4.00	2400
<b>TOTAL</b>					<b>54180</b>
(V)	<b>MAINTENANCE:</b>				
1	1 <sup>st</sup> year maintenance.	1	Ha.	4000	4000
2	2 <sup>nd</sup> year maintenance.	1	Ha.	3600	3600
3	3 <sup>rd</sup> year maintenance.	1	Ha.	3200	3200
4	4 <sup>th</sup> year maintenance.	1	Ha.	2800	2800
5	5 <sup>th</sup> year maintenance.	1	Ha.	2000	2000
6	Watch and ward of plantation for 5 years (60 months @ 1000/+) including irrigation during lean seasons.	1	Ha.	1000	60000
<b>TOTAL</b>					<b>78000</b>
B.	<b>SOIL CONSERVATION:</b>				
1.	Construction of gully plugs, small check walls/dams etc.			LUMP-SUM	50000
<b>TOTAL (A) + (B)</b>					
<b>GRAND TOTAL</b>					<b>4,85,432</b>

#### 10.8.6 Cost Estimate for Muck Management Plan

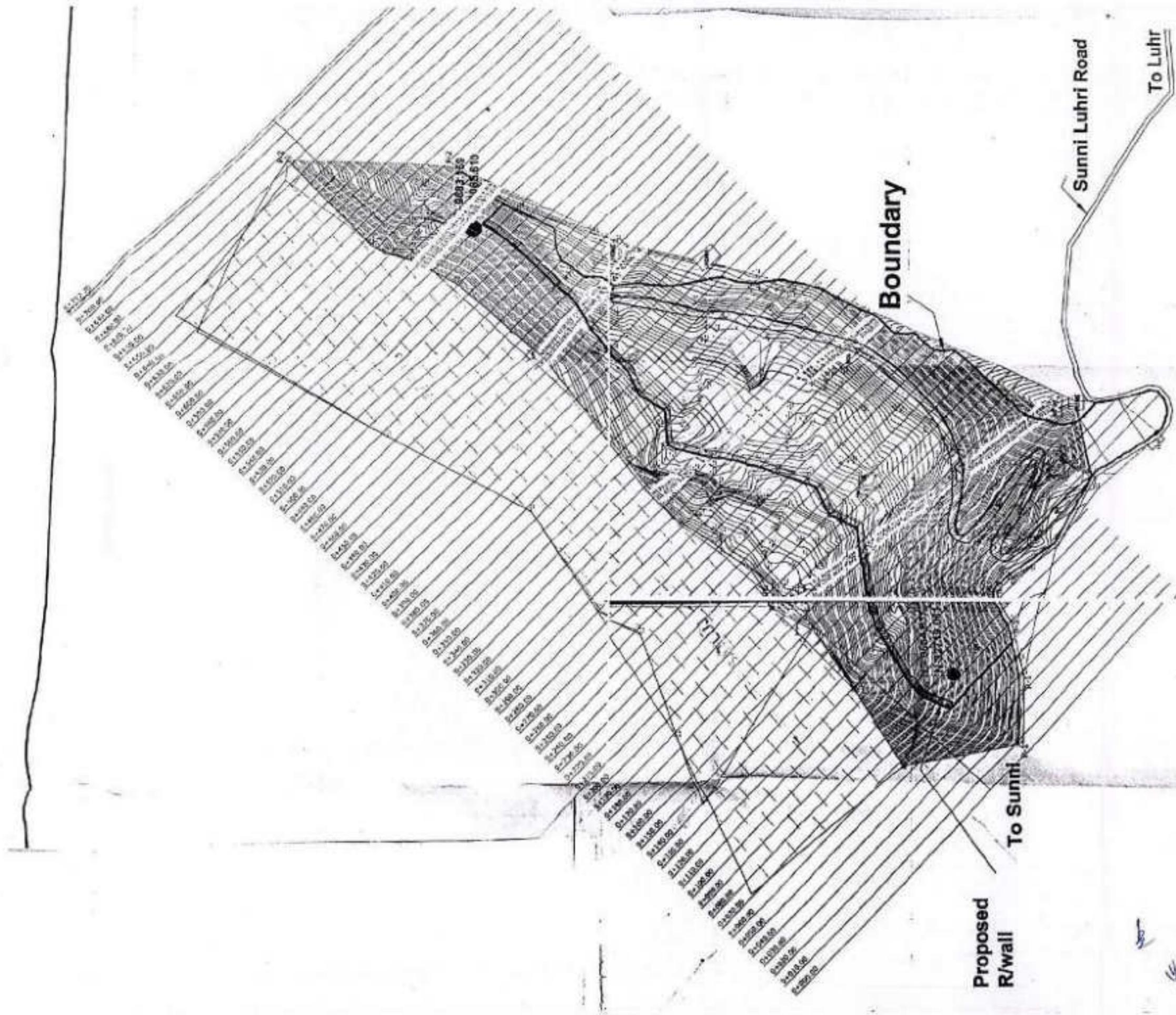
The cost estimate for muck management plan indicating engineering, biological, bio-technological measures and maintenance is provided in Table-10.55.

Table 10.55: Cost Estimate for Muck Management Plan

Sl. No.	Particulars	Quantity	Unit	Rate (Rs.)	Amount (Rs. lakh)
<b>A. Engineering Measures</b>					
1	10m high Plum concrete retaining wall for D-1 site in 300m length	300	RM	137100	411.30
2	10m high RCC Counterfort retaining wall for D-1 site in 300m length	300	RM	142040	426.12
3	Channelization of Nallah by placing GI Wire boulder crates with mesh size 15cmx15cm.	300	RM	21362	64.08
<b>Sub-total (A)</b>					<b>901.50</b>
<b>B. Biological Measures</b>					
1.	Plantation of muck disposal sites	5.0	ha	485432	24.27
2.	Barbed wire fencing on 2m high RCC posts	5.0	ha	30000	1.50

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 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

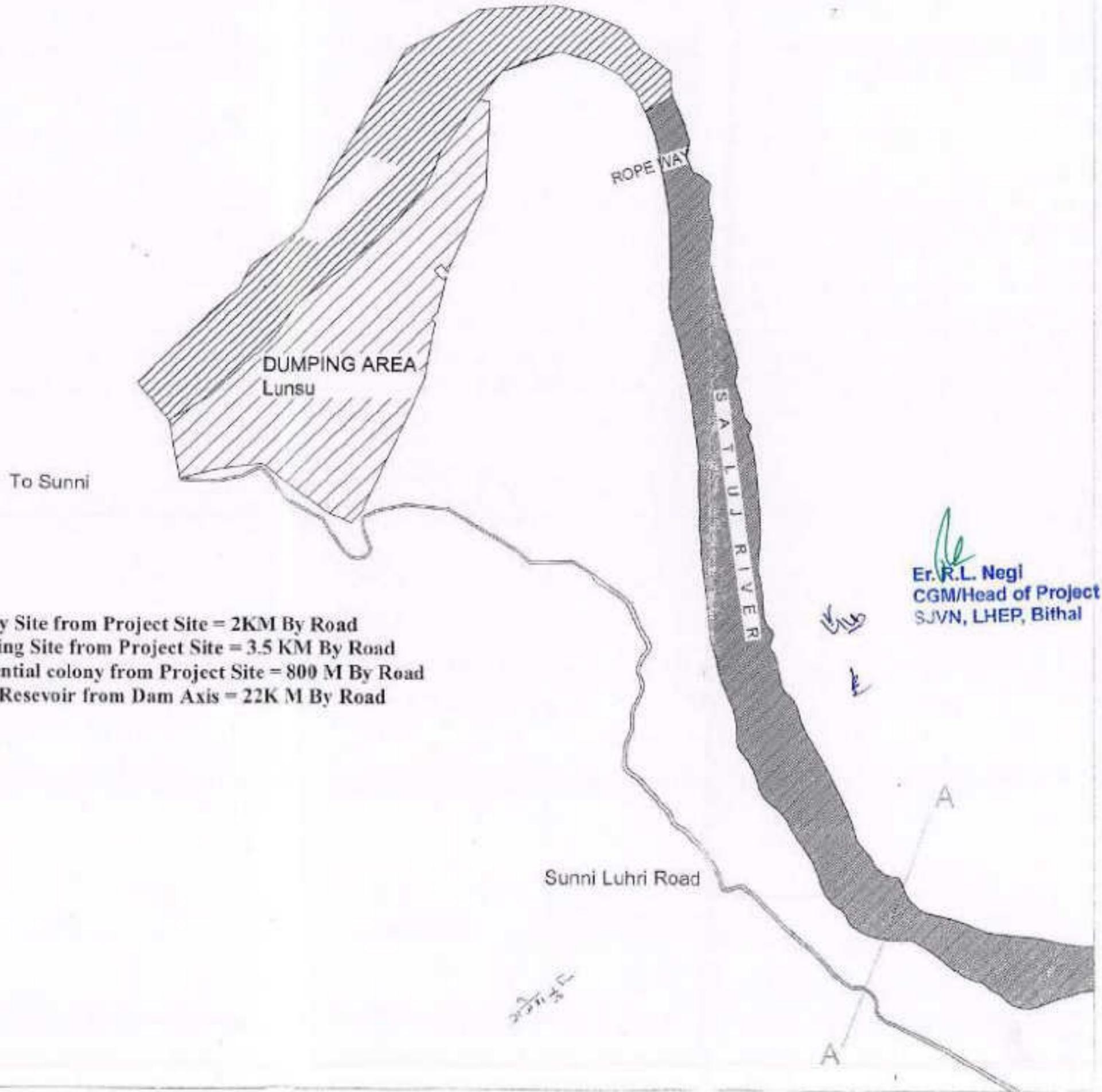


# Plan of Dumping Site at Lunsu for Sunni Dam HEP.

*Singh*

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

# Infra Structure Plan of Sunni Dam HEP .

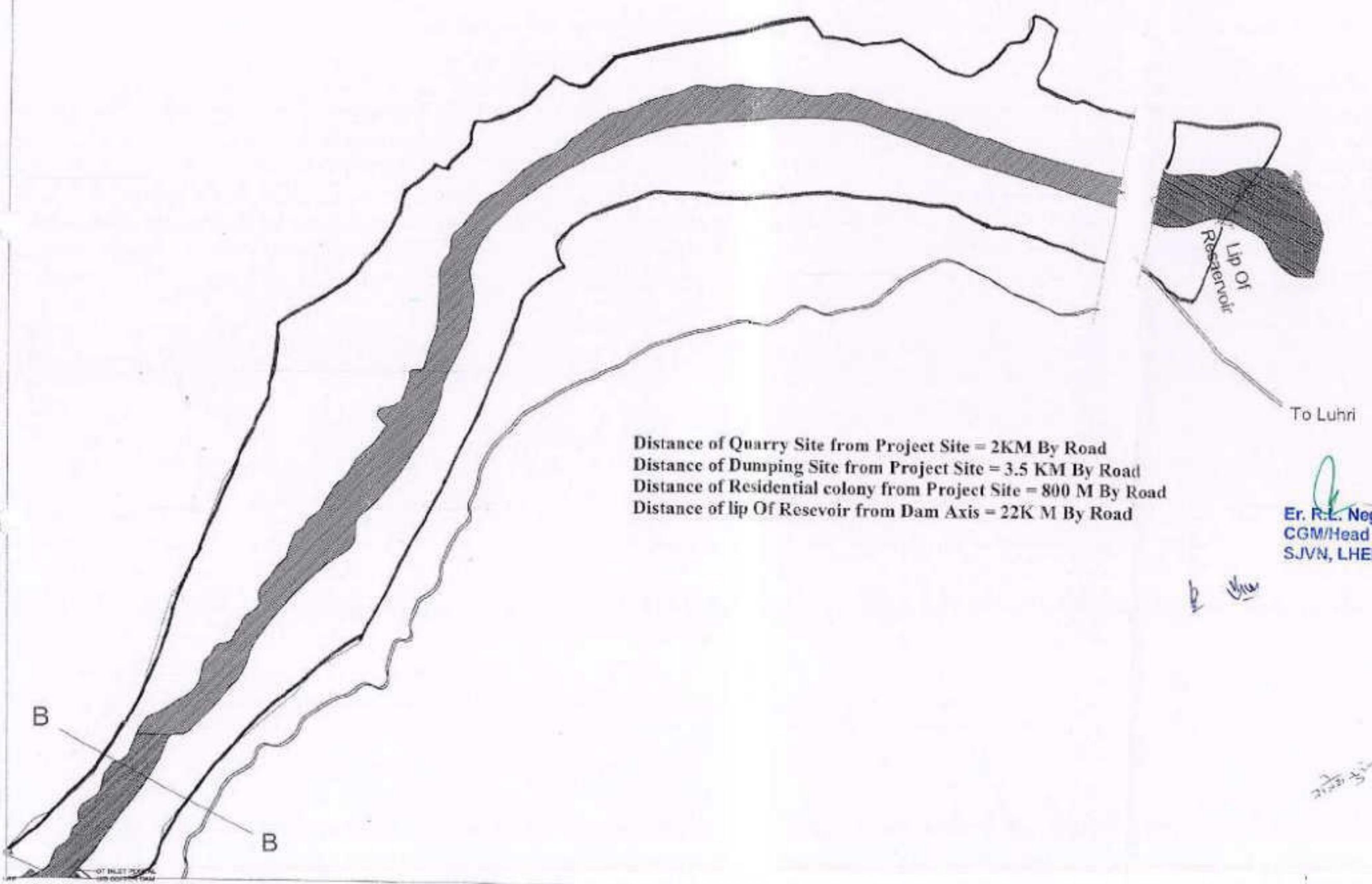


Distance of Quarry Site from Project Site = 2KM By Road  
Distance of Dumping Site from Project Site = 3.5 KM By Road  
Distance of Residential colony from Project Site = 800 M By Road  
Distance of lip Of Reservoir from Dam Axis = 22K M By Road

*Er. R.L. Negi*  
CGM/Head of Project  
SJVN, LHEP, Bithal

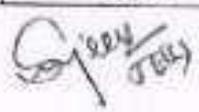


# Infra Structure Plan of Sunni Dam HEP .



Capacity of dumping site Lunsu, SDLHEP.

Sr. No.	R.D.	Length(m)	X-sectional Area (m <sup>2</sup> )	Mean X-sectional Area (m <sup>2</sup> )	Total Quantity in (M <sup>3</sup> )	Remarks
1	60		629.44			
2	70	10	317.74	473.59	4735.90	
3	80	10	283.54	300.64	3006.40	
4	90	10	180.28	231.91	2319.10	
5	100	10	187.42	183.85	1838.50	
6	110	10	221.21	204.32	2043.15	
7	120	10	207.52	214.37	2143.65	
8	130	10	371.83	289.68	2896.75	
9	140	10	651.33	511.58	5115.80	
10	150	10	2360.07	1505.70	15057.00	
11	160	10	2579.95	2470.01	24700.10	
12	170	10	2445.53	2512.74	25127.40	
13	180	10	2785.92	2615.73	26157.25	
14	190	10	2816.75	2801.34	28013.35	
15	200	10	2538.74	2677.75	26777.45	
16	210	10	2261.48	2400.11	24001.10	
17	220	10	1930.49	2095.99	20959.85	
18	230	10	2228.92	2079.71	20797.05	
19	240	10	(2312.78)	2270.85	22708.50	
20	250	10	2316.79	2314.79	23147.85	
21	260	10	2508.90	2412.85	24128.45	
22	270	10	2717.40	2613.15	26131.50	
23	280	10	2729.44	2723.42	27234.20	
24	290	10	3154.96	2942.20	29422.00	
25	300	10	3244.81	3199.89	31998.85	
26	310	10	3215.93	3230.37	32303.70	
27	320	10	3177.06	3196.50	31964.95	
28	330	10	2919.21	3048.14	30481.35	
29	340	10	2715.03	2817.12	28171.20	
30	350	10	2377.05	2546.04	25460.40	
31	360	10	1992.58	2184.82	21848.15	
32	370	10	1689.32	1840.95	18409.50	
33	380	10	1244.09	1466.71	14667.05	
34	390	10	967.58	1105.84	11058.35	
35	400	10	747.70	857.64	8576.40	
36	410	10	587.58	667.64	6676.40	
37	420	10	431.75	509.67	5096.65	
38	430	10	298.79	365.27	3652.70	
39	440	10	143.96	221.38	2213.75	
40	450	10	94.82	119.39	1193.90	
41	460	10	96.06	95.44	954.40	
42	470	10	73.25	84.66	846.55	
43	480	10	62.30	67.78	677.75	
44	490	10	50.07	56.19	561.85	
45	500	10	69.79	59.93	599.30	
46	510	10	95.06	82.43	824.25	

Er. R.L. Negi  
 CGM/Head of Project  
 S.J.V.N, LHEP, Bithal

47	520	10	79.13	87.10	870.95	
48	530	10	66.21	72.67	726.70	
49	540	10	62.85	64.53	645.30	
50	550	10	66.05	64.45	644.50	
				<b>Total</b>	<b>669587.15</b>	

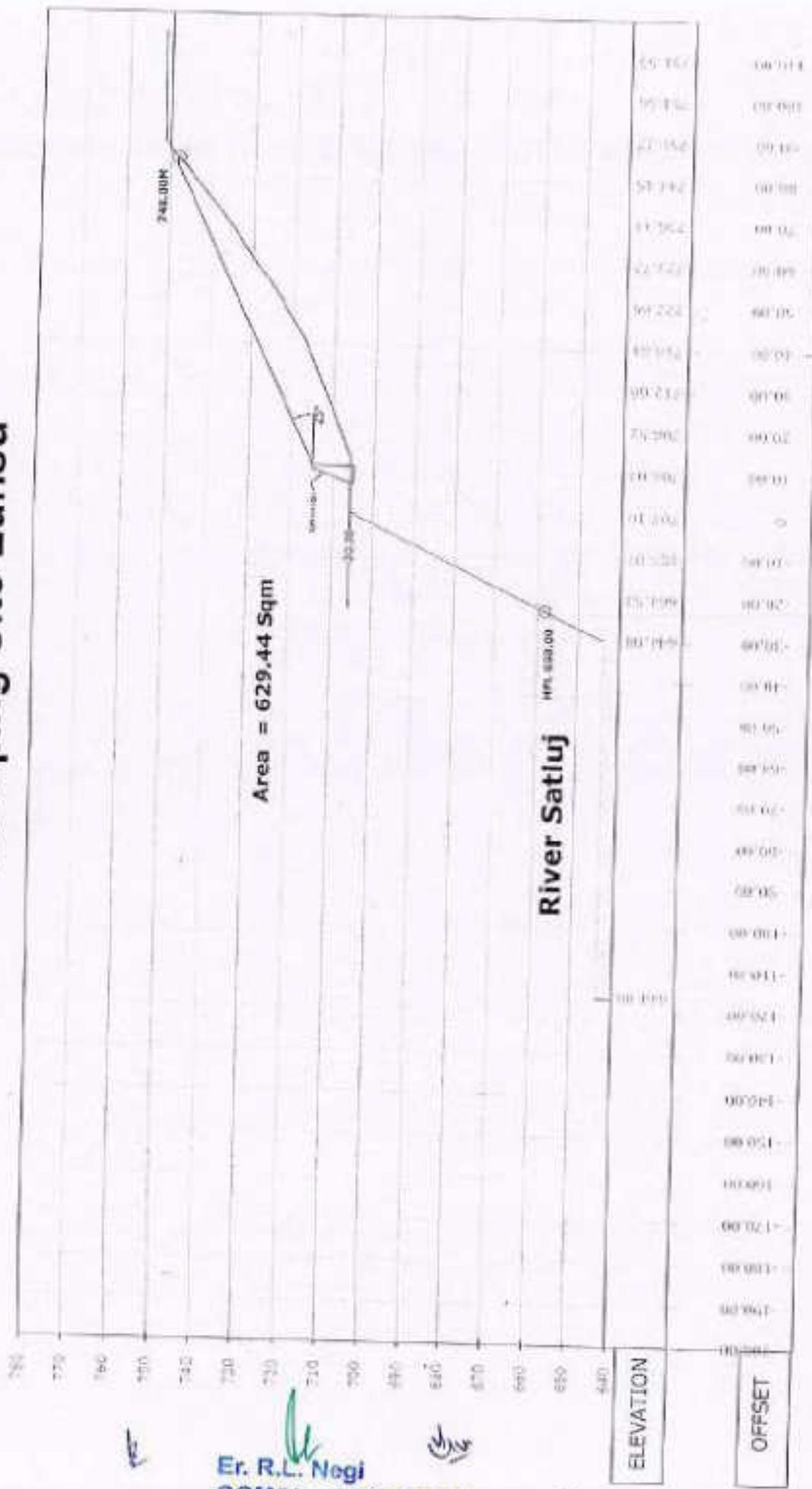
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JEL*

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*Wes*

*R.L.*  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

# Dumping Site Lunsu

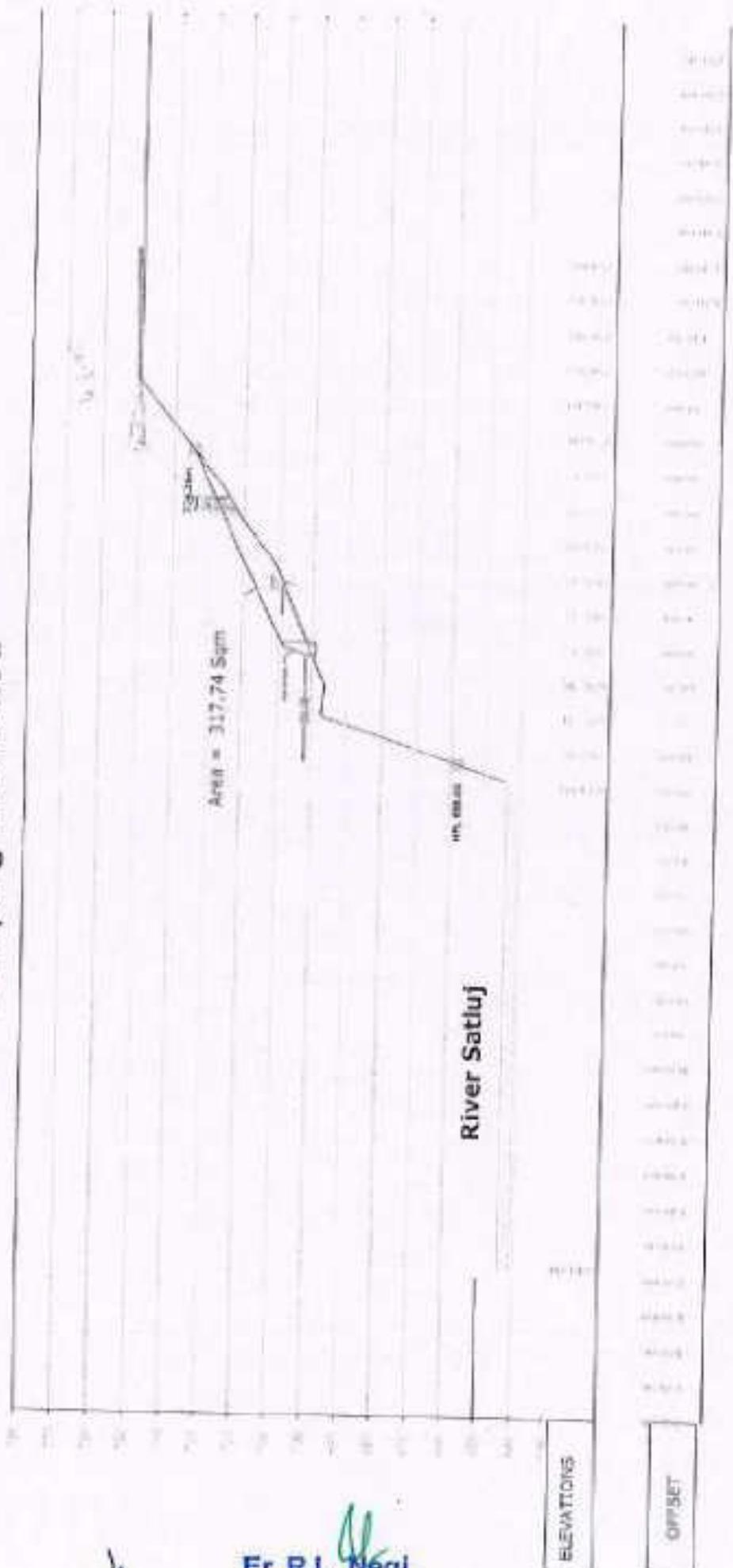


Er. R.L. Negi  
CGM/In-charge of Project  
SJVN, Bilhal

X-Section at RD 0/60 m Left Bank

Rajendra Singh

# Dumping Site Lunsu



X-Section at RD 070 m

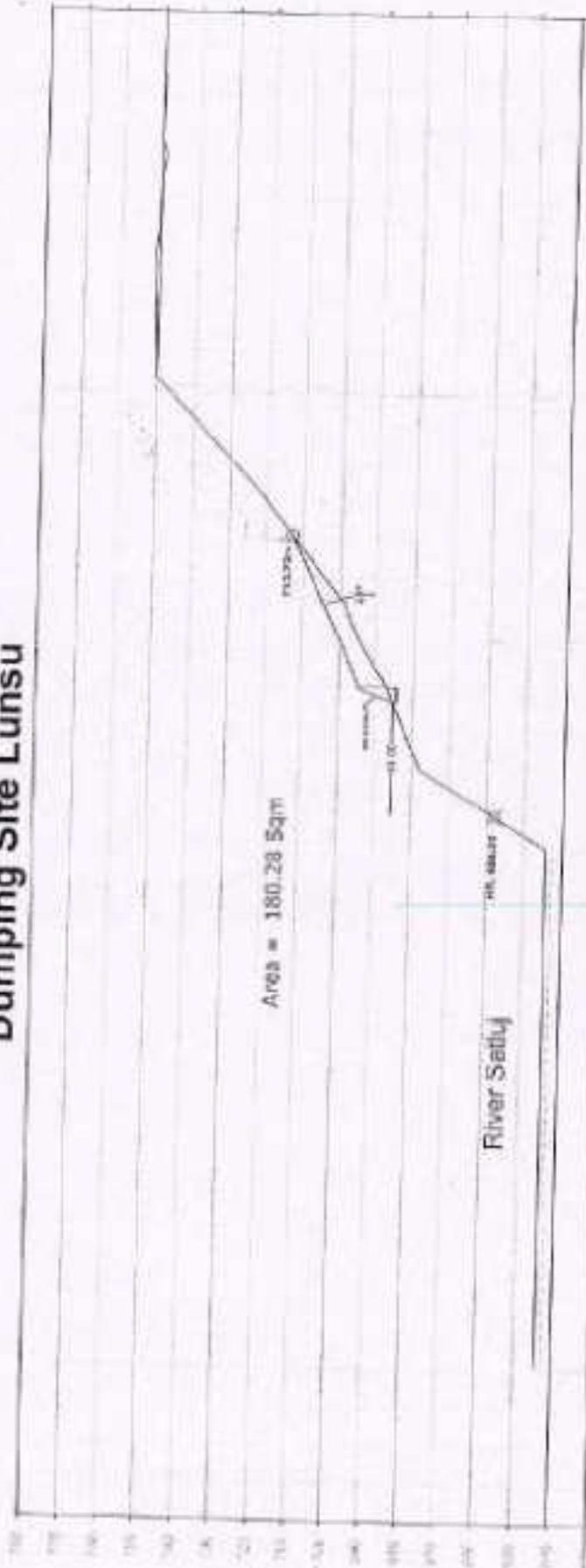
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Er. R.L. Negi  
 CC<sup>o</sup>/Head of Project  
 S<sup>o</sup>, LHEP, B<sup>o</sup>

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# Dumping Site Lunsu



Area = 180.28 Sqm

River Satly

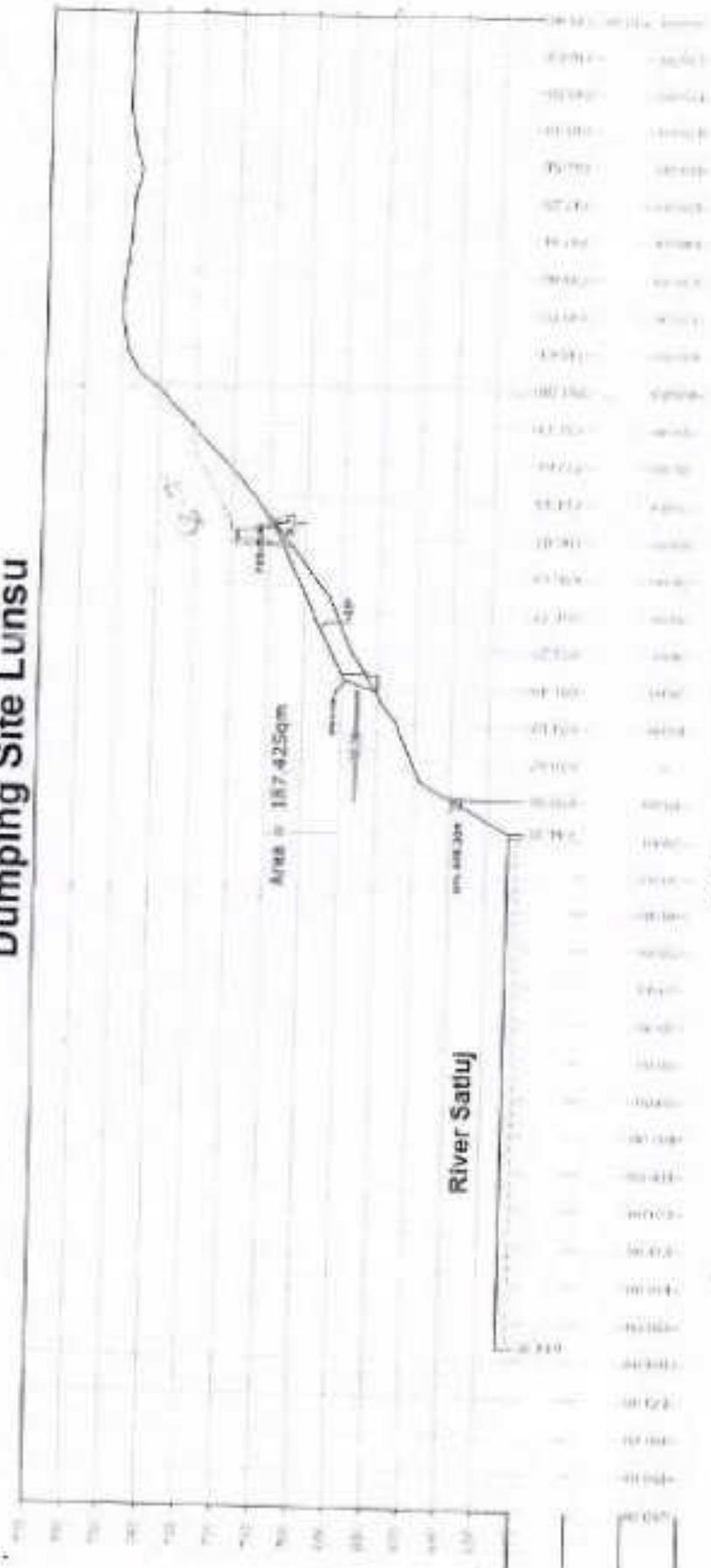
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118.00	0.00
117.50	0.00
117.00	0.00
116.50	0.00
116.00	0.00
115.50	0.00
115.00	0.00
114.50	0.00
114.00	0.00
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107.50	0.00
107.00	0.00
106.50	0.00
106.00	0.00
105.50	0.00
105.00	0.00
104.50	0.00
104.00	0.00
103.50	0.00
103.00	0.00
102.50	0.00
102.00	0.00
101.50	0.00
101.00	0.00
100.50	0.00
100.00	0.00

X-Section at RD 0+00 m

Er. R. L. Negi  
 CGM: Head of Project  
 SJVN, LNER, Bithal

*Signature*

# Dumping Site Lunsu



X-Section at RD 0/100 m

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithar

SCALE

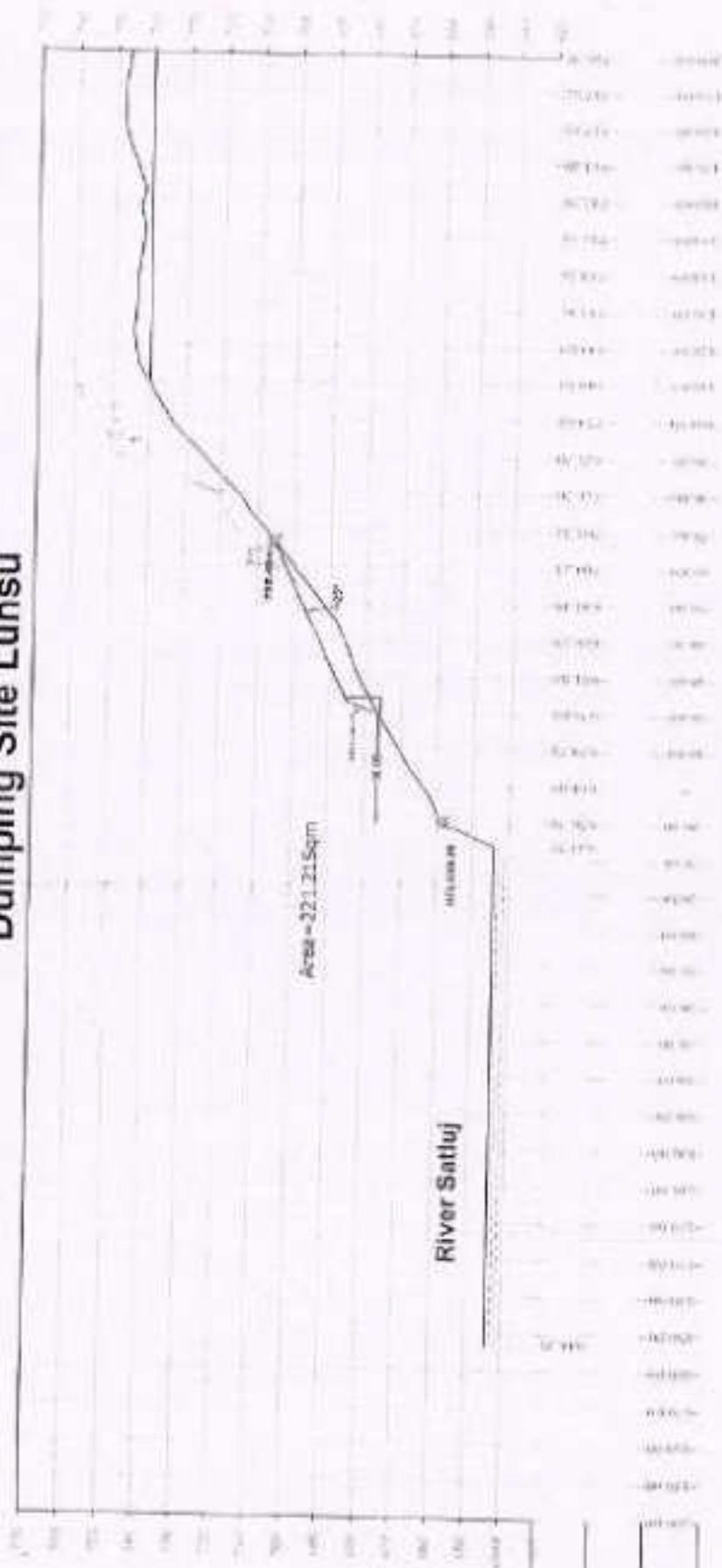
OFFSET

1/2

1/100

1/100

# Dumping Site Lunsu



X-Section at RD 0/110 m

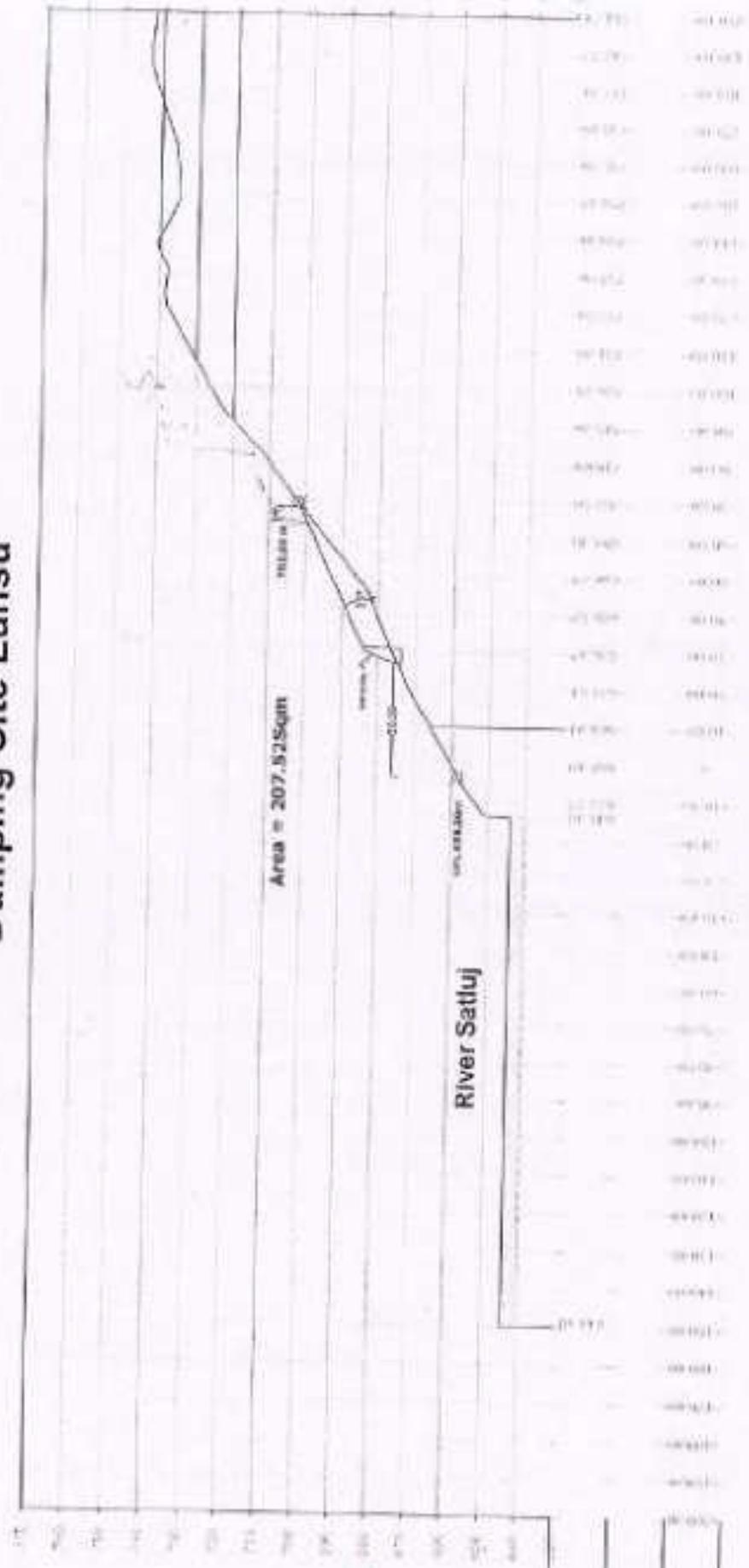
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**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithur**

STATION	
OFFSET	

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# Dumping Site Lunsu



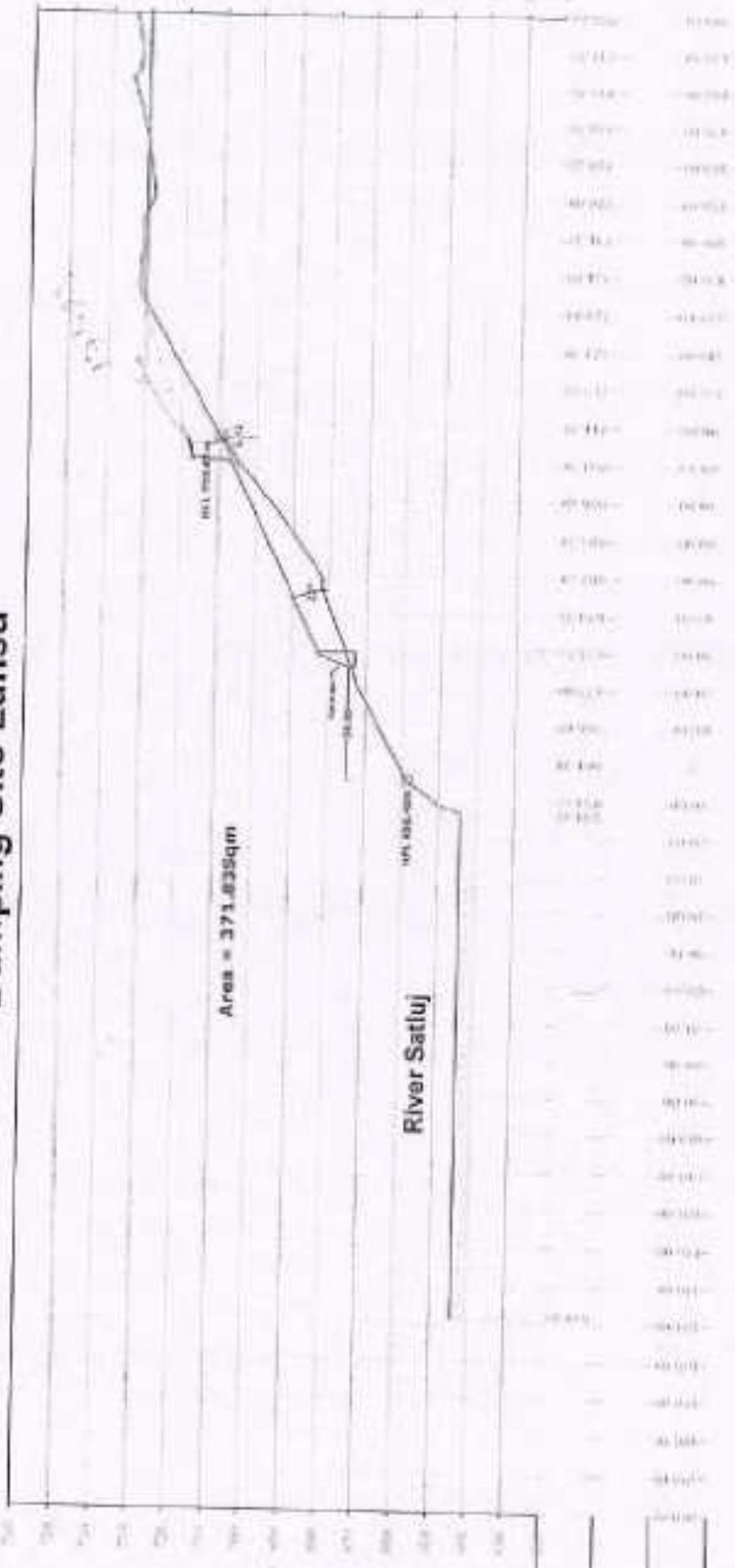
X-Section at RD 0/120 m

  
**Er. R.L. Negi**  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

ELEVATIONS	
OFFSET	

*Signature*

# Dumping Site Lunsu



X-Section at RD 0/130 m

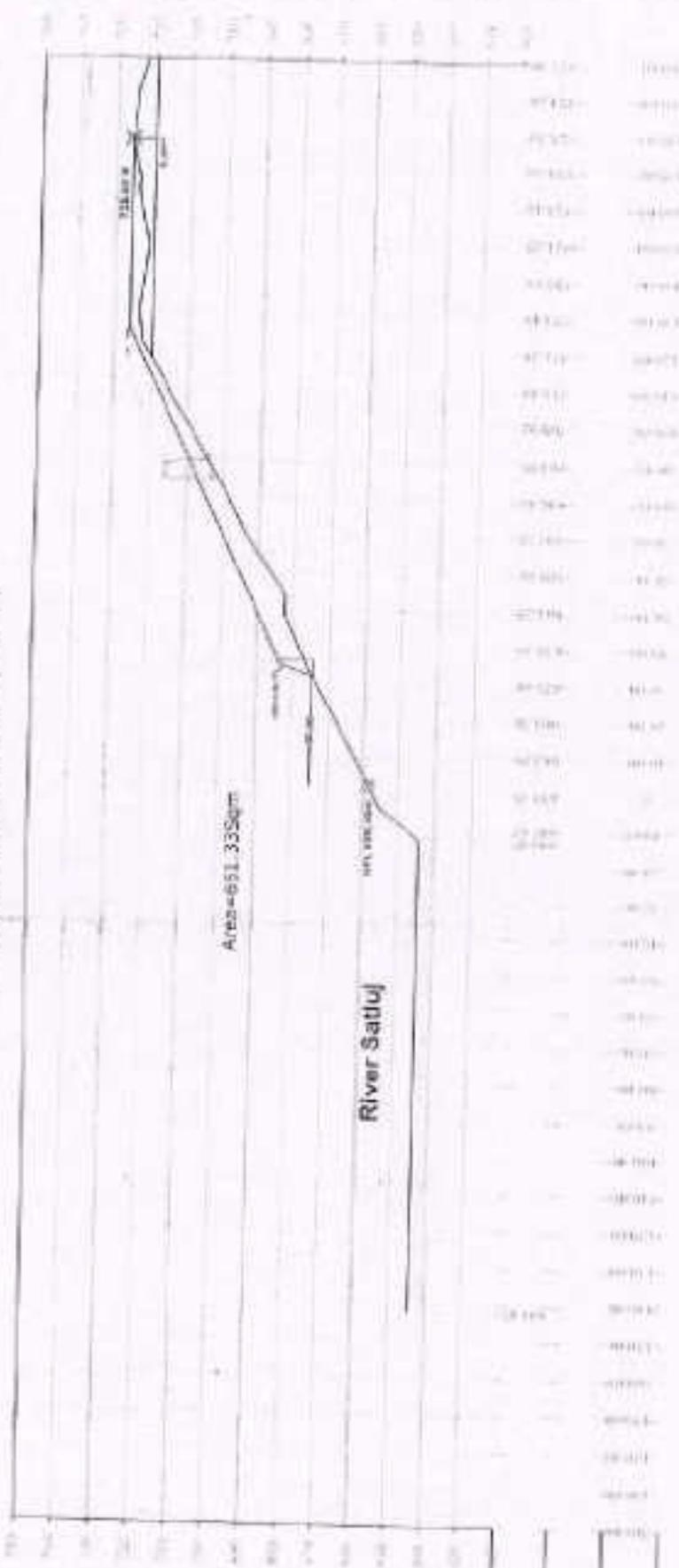

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bittal

SCALE

OFFSET

*S. Singh*

# Dumping Site Lunsu



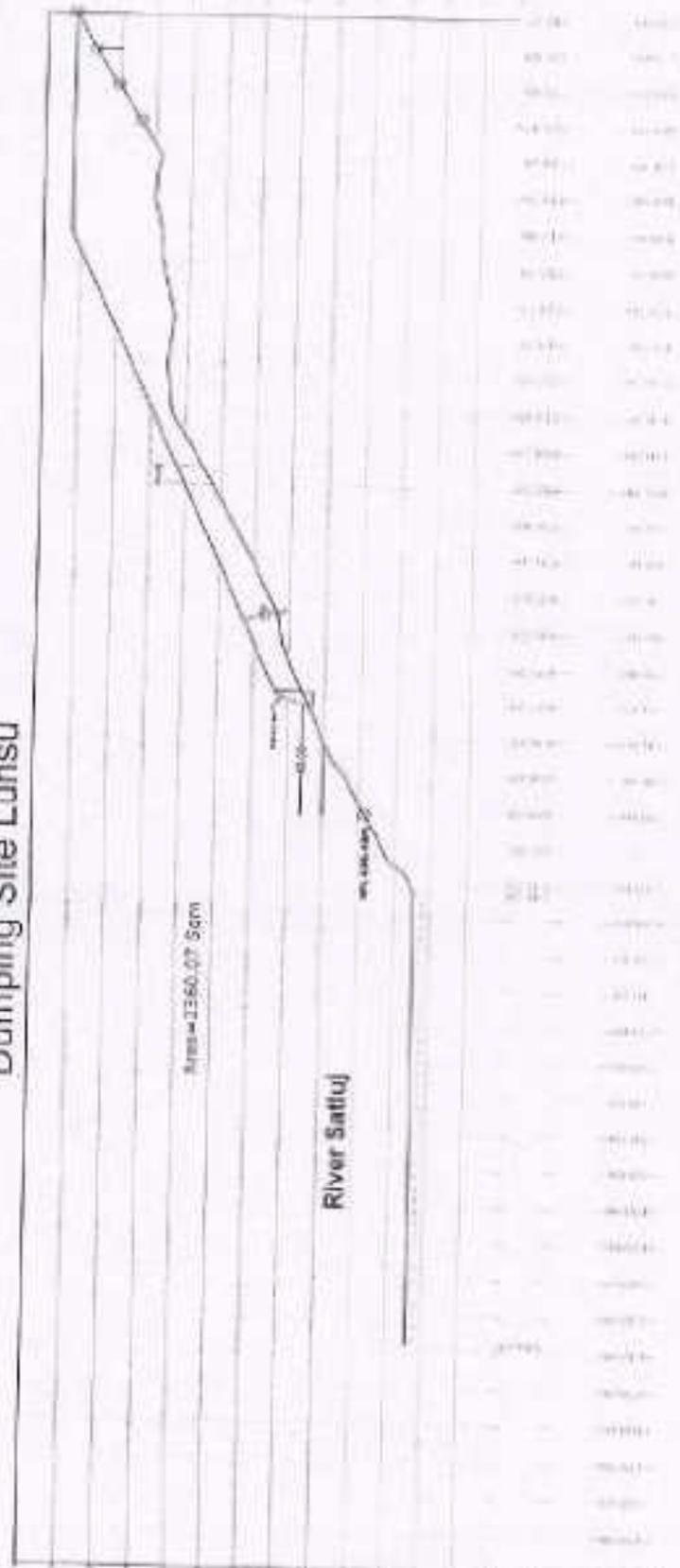
X-Section at RD 0/140 m

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

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# Dumping Site Lunsu



X-Section at RD 0/150 m

  
 Er. R.E. Negi

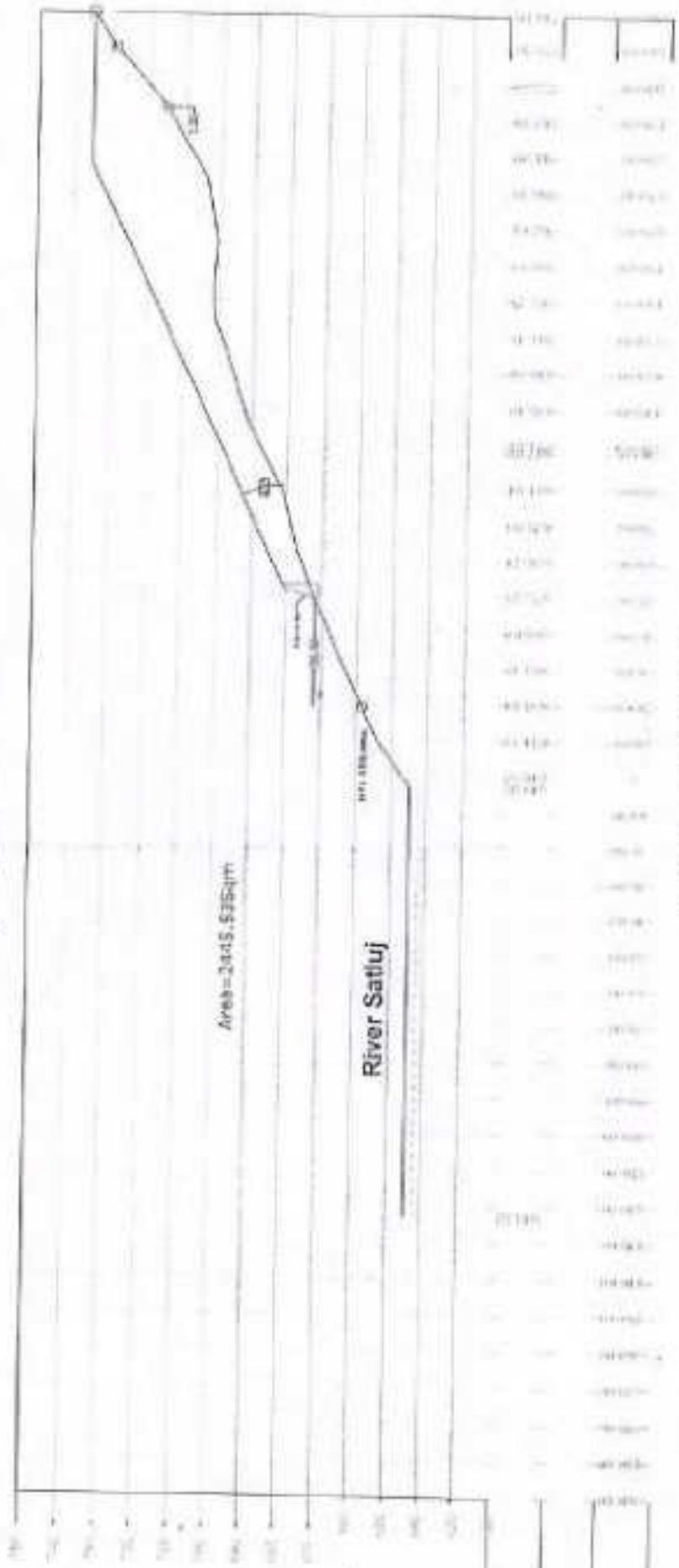
CGM/Head of Project  
 SJVN, LHEP, Bithal

DESIGNATION  
 OFFICER





# Dumping Site Lunsu



X-Section at RD 0/170 m

ELEVATION

OFFSET

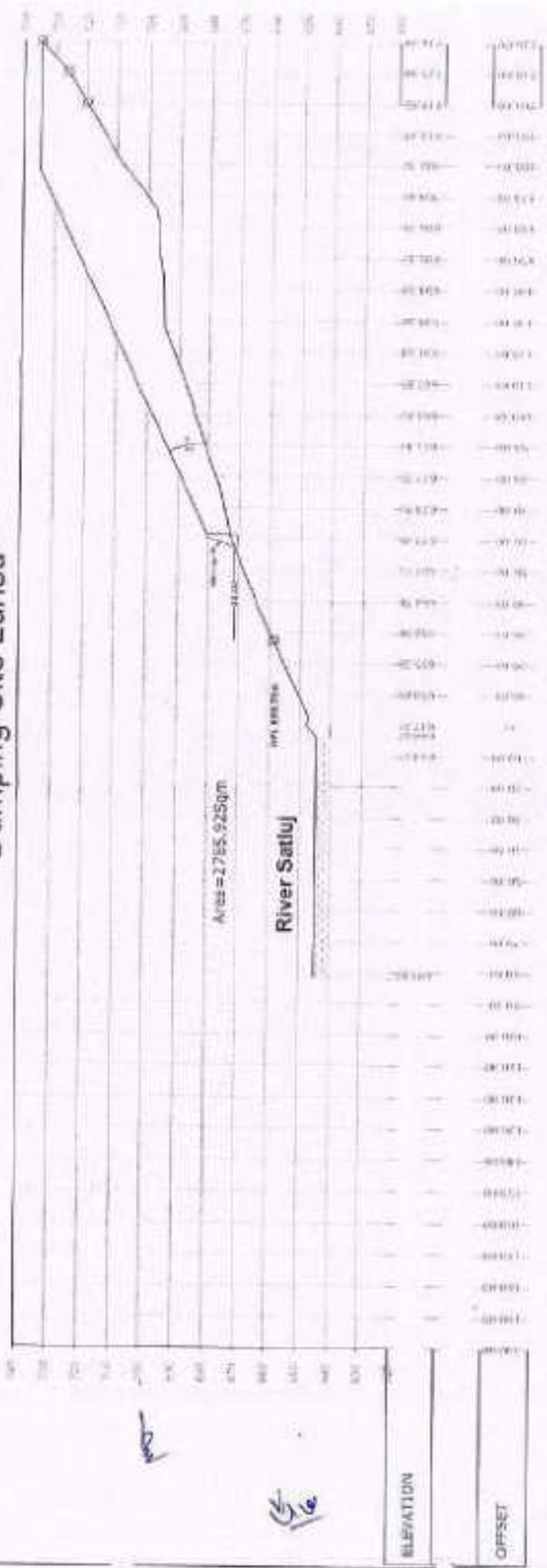
10

10

*R.L. Negi*

**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJMM, LHEP, Bithal**

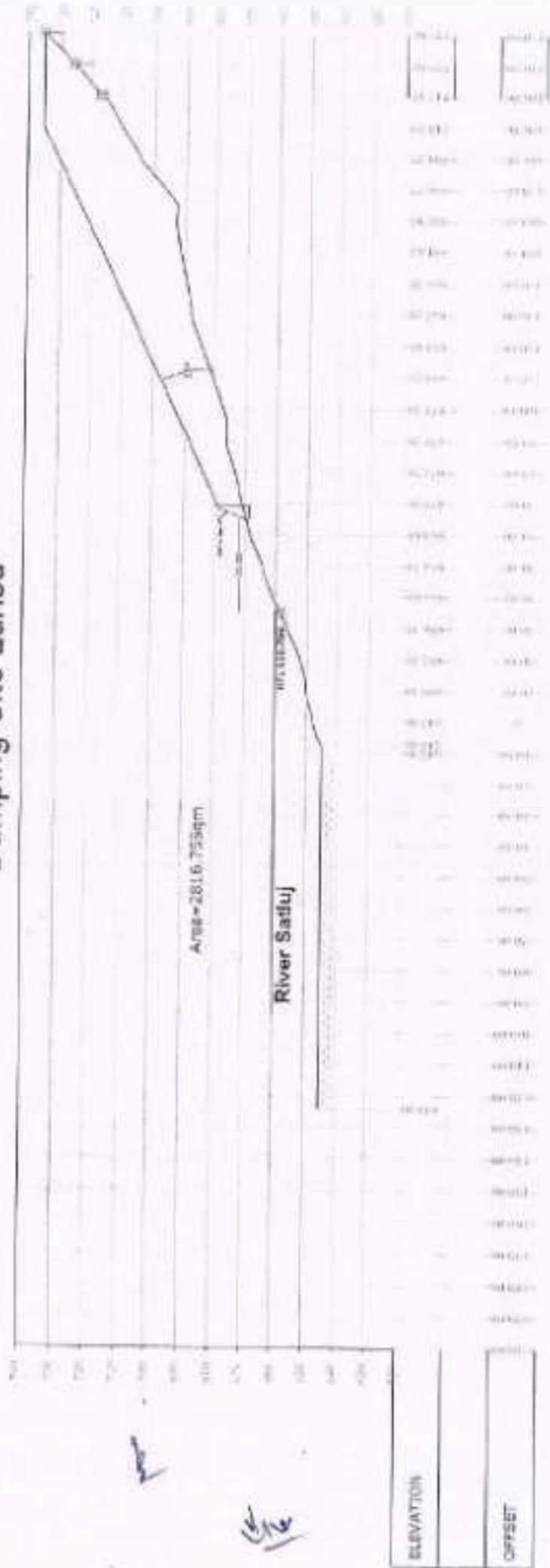
# Dumping Site Lunsu



X-Section at RD 0/180 m

  
**R.L. Negi**  
 CGM/Head of Project  
 SJVM, LHEP, Bithal

# Dumping Site Lunsu



X-Section at RD 0/190 m

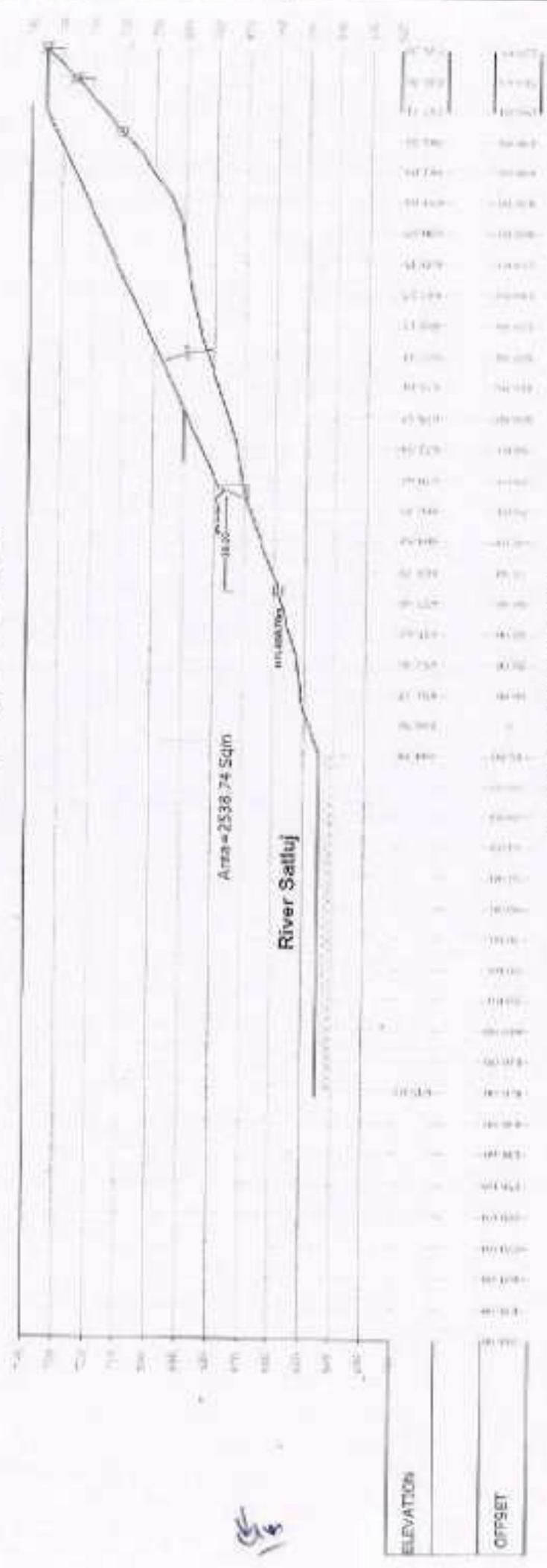
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

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Handwritten signature

### Dumping Site Lunsu



X-Section at RD 0/200 m

1/10

ELEVATION  
OFFSET

Scale

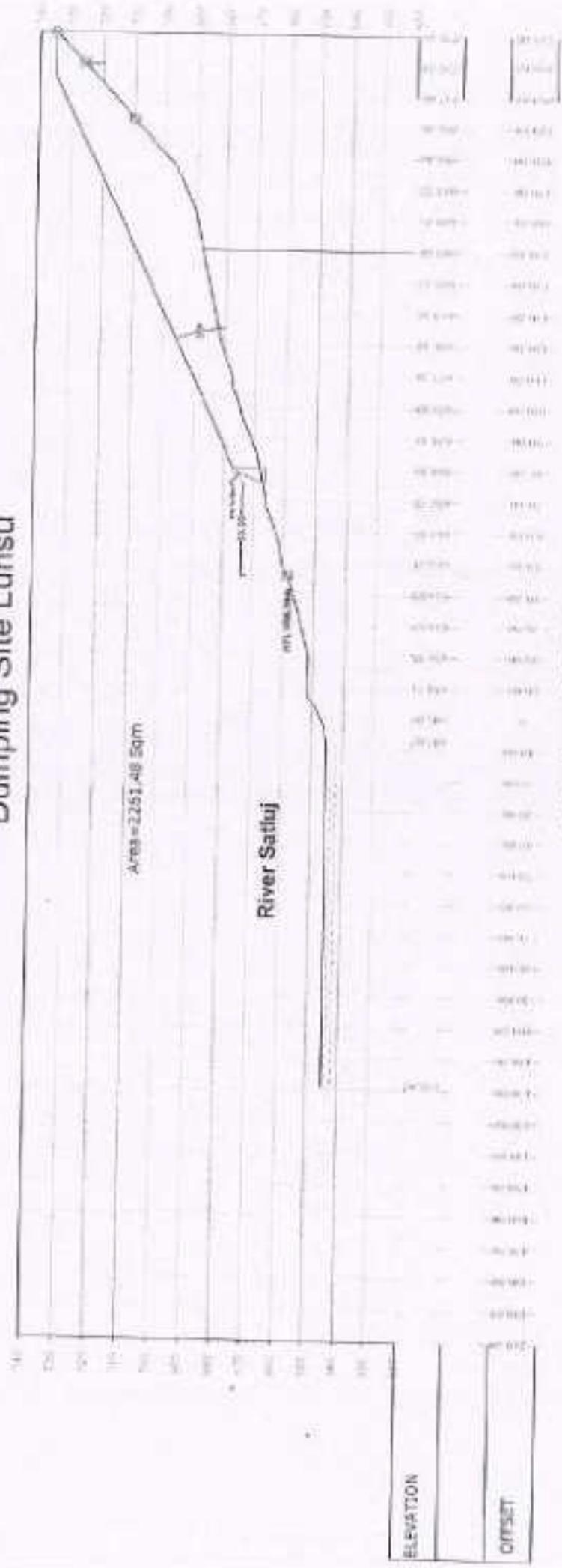
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithur

# Dumping Site Lunsu

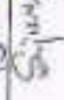
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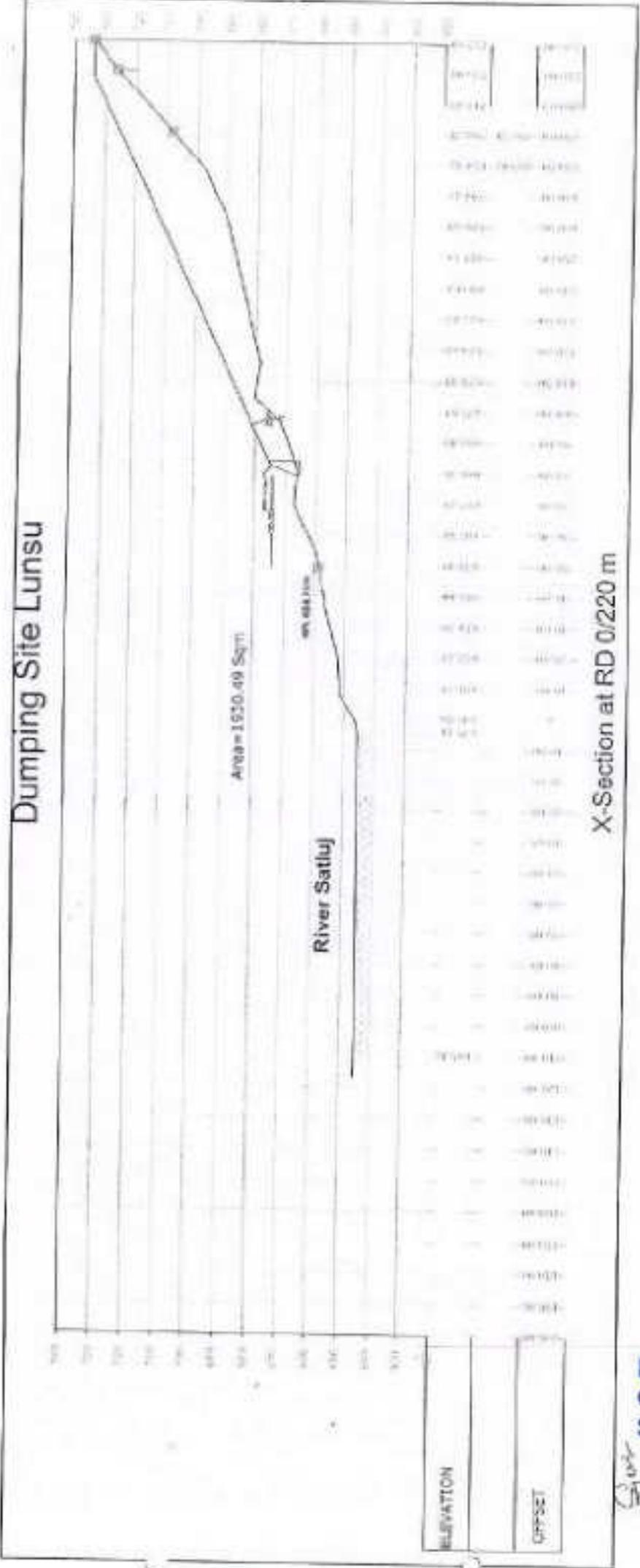
River Satluj

X-Section at RD 0/210 m



  
**Er. R.L. Negi**  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

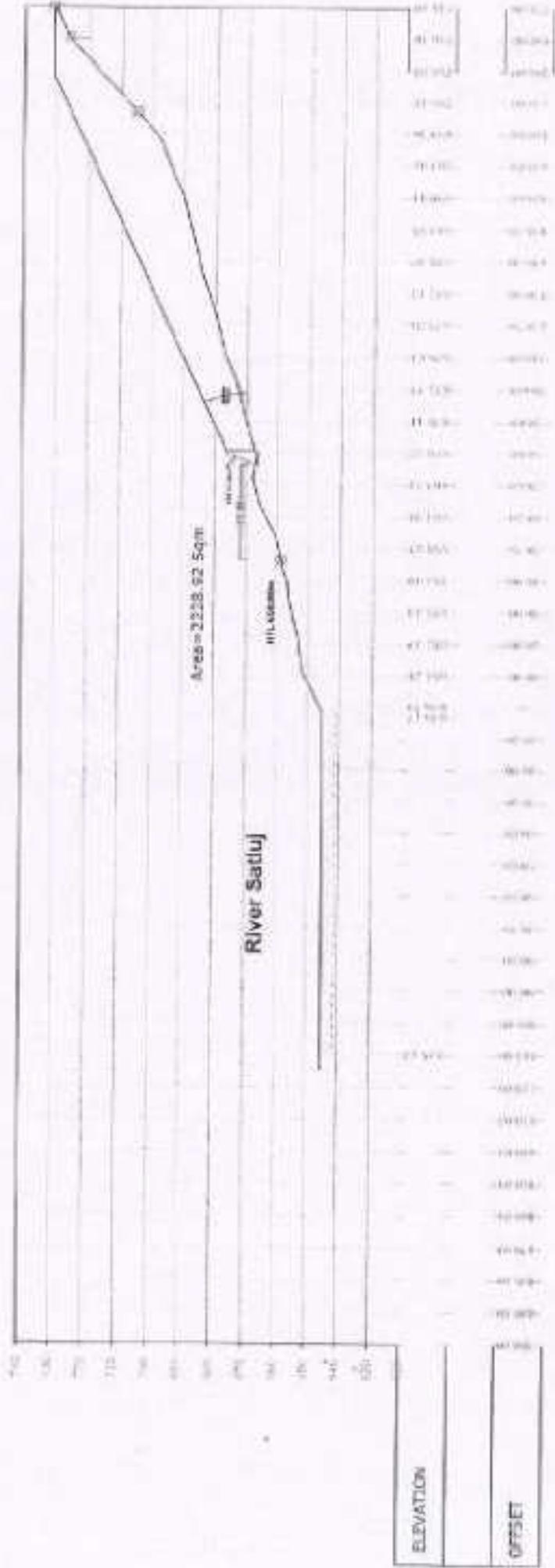
  




Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Signature*

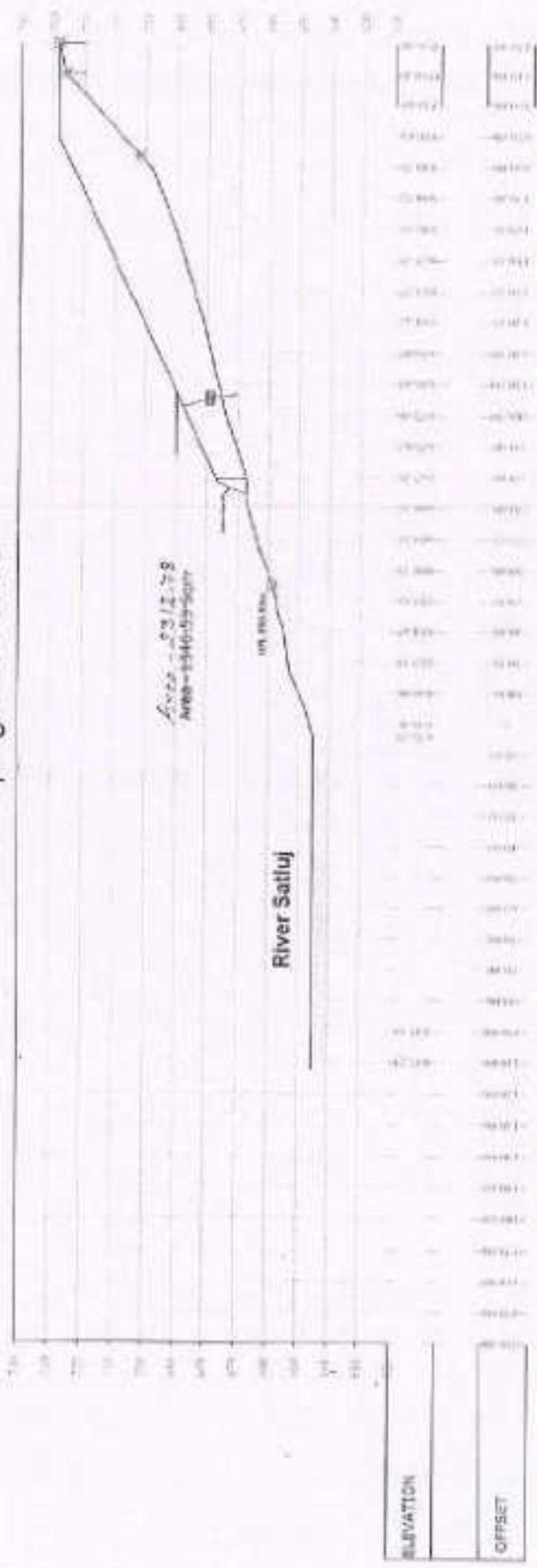
# Dumping Site Lunsu



Er. R.L. Negi  
 CGM/Head of Proje  
 SJVN, LHEP, Bithal

*[Handwritten signature]*

Dumping Site Lunsu

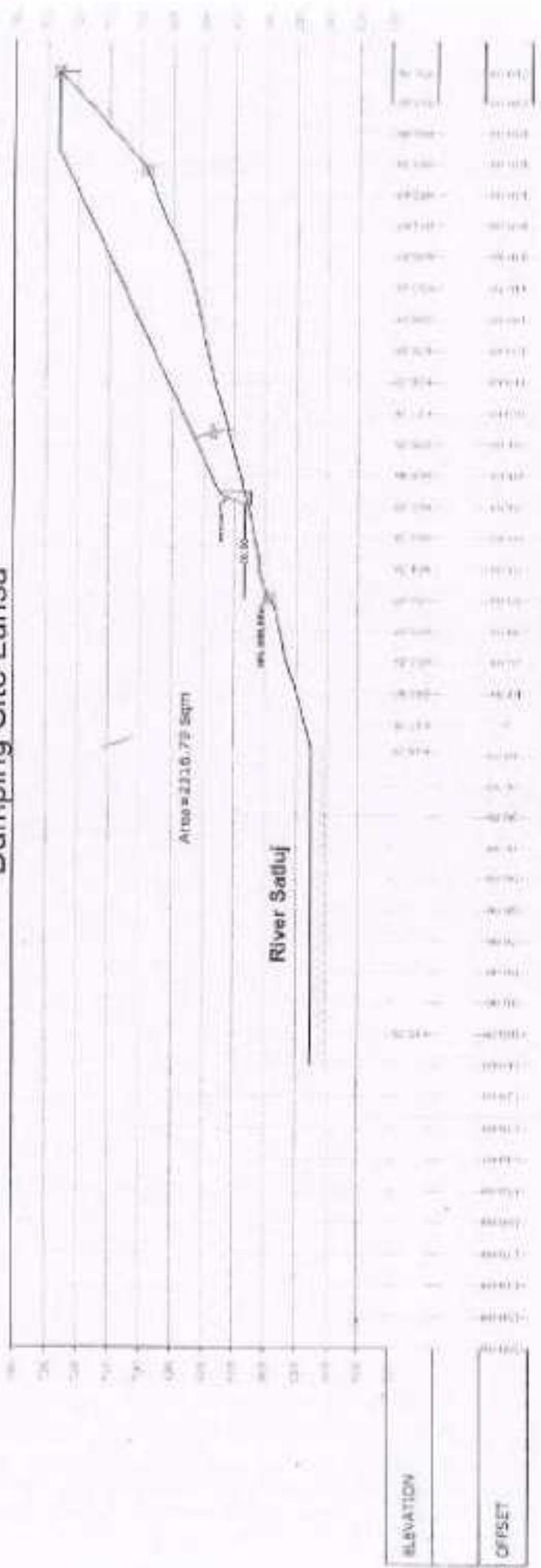


X-Section at RD 0/240 m

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

*Rajendra Negi*

### Dumping Site Lunsu

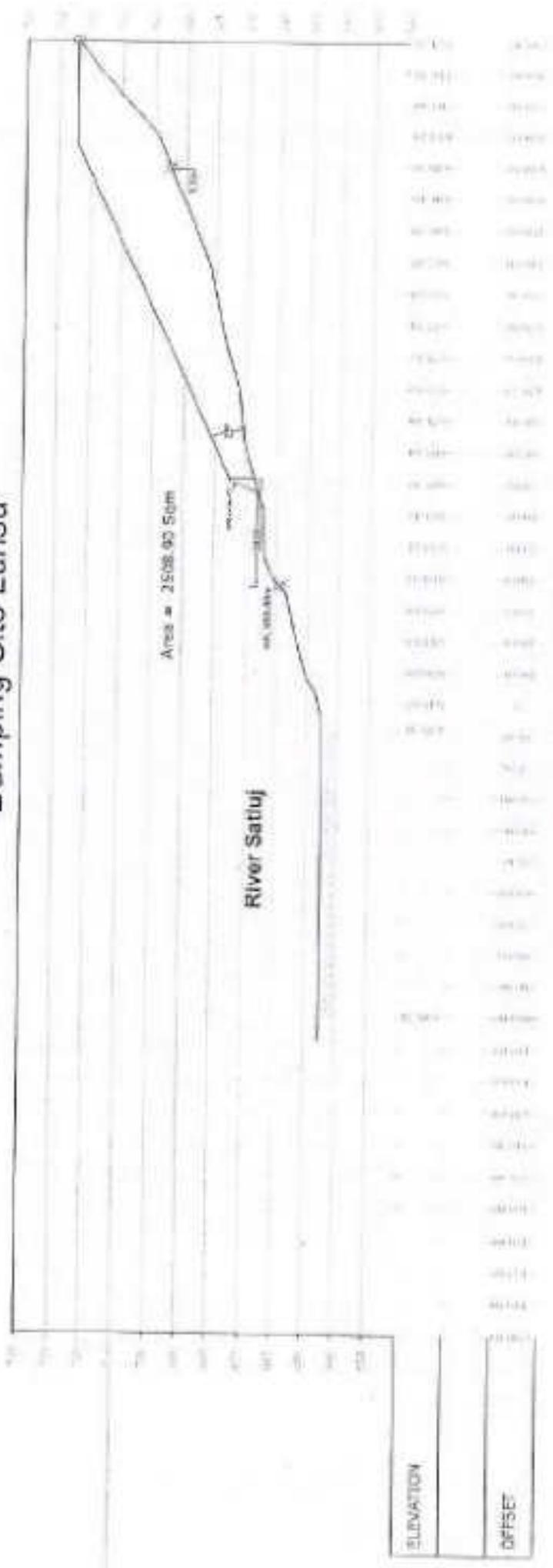


X-Section at RD 0/250 m

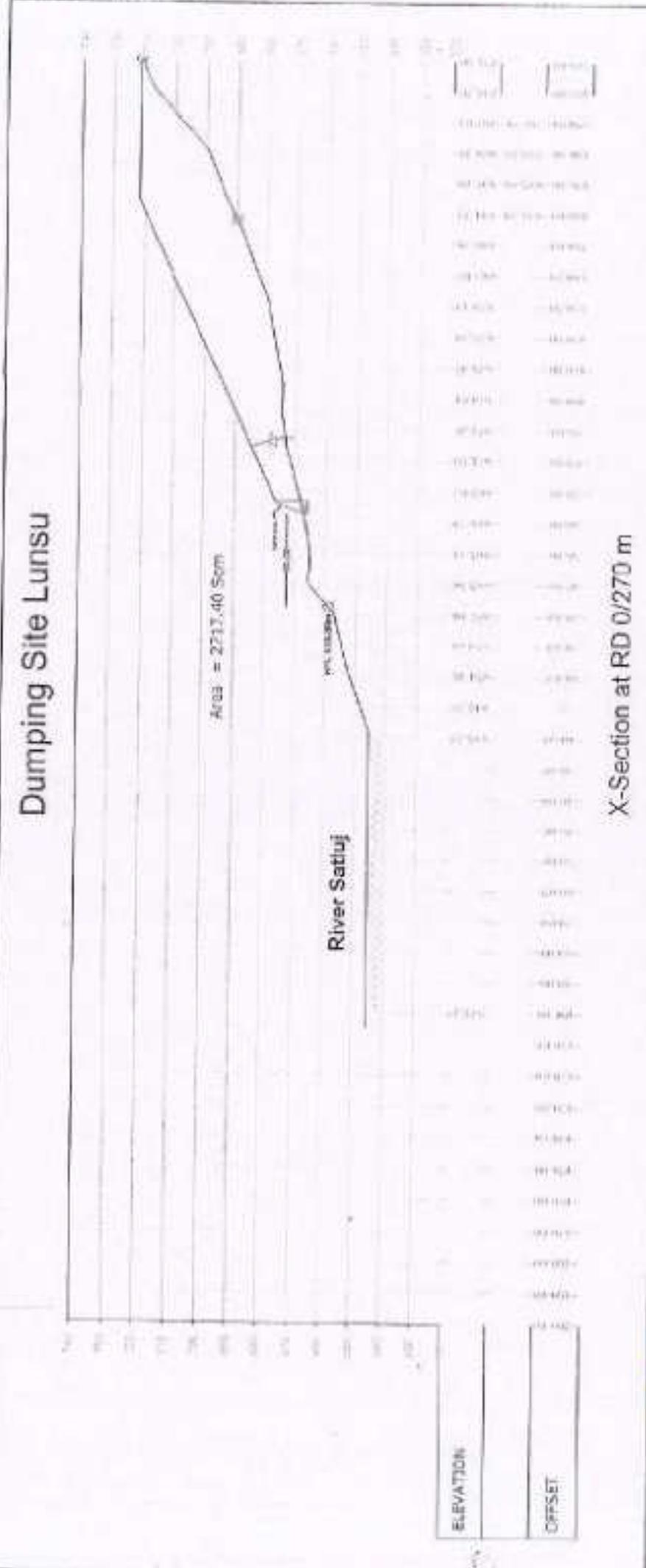
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*R.L. Negi*

### Dumping Site Lunsu



Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal



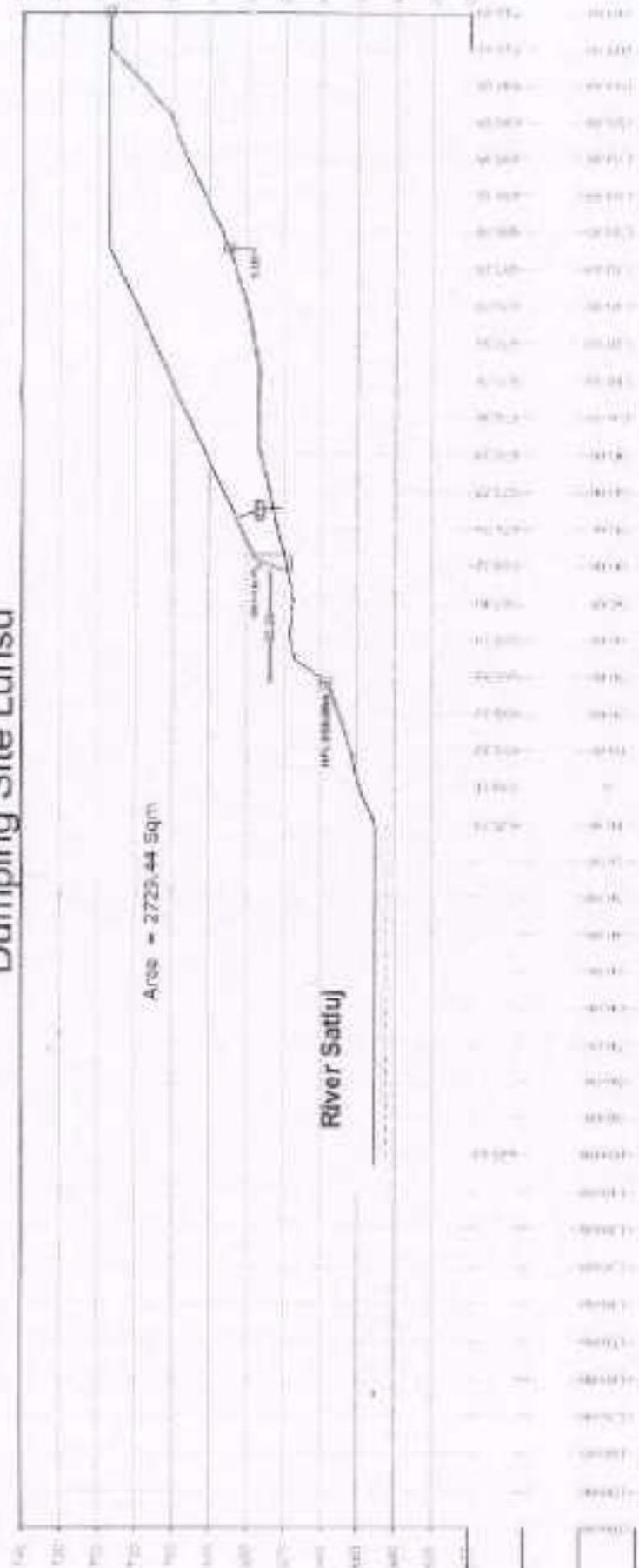
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Signed*  
*RL*

# Dumping Site Lunsu

Area = 2723.44 Sqm

River Satiuj



X-Section at RD 0/280 m

ELEVATION	OFFSET
120.0	0.0
119.5	10.0
119.0	20.0
118.5	30.0
118.0	40.0
117.5	50.0
117.0	60.0
116.5	70.0
116.0	80.0
115.5	90.0
115.0	100.0
114.5	110.0
114.0	120.0
113.5	130.0
113.0	140.0
112.5	150.0
112.0	160.0
111.5	170.0
111.0	180.0
110.5	190.0
110.0	200.0
109.5	210.0
109.0	220.0
108.5	230.0
108.0	240.0
107.5	250.0
107.0	260.0
106.5	270.0
106.0	280.0
105.5	290.0
105.0	300.0
104.5	310.0
104.0	320.0
103.5	330.0
103.0	340.0
102.5	350.0
102.0	360.0
101.5	370.0
101.0	380.0
100.5	390.0
100.0	400.0

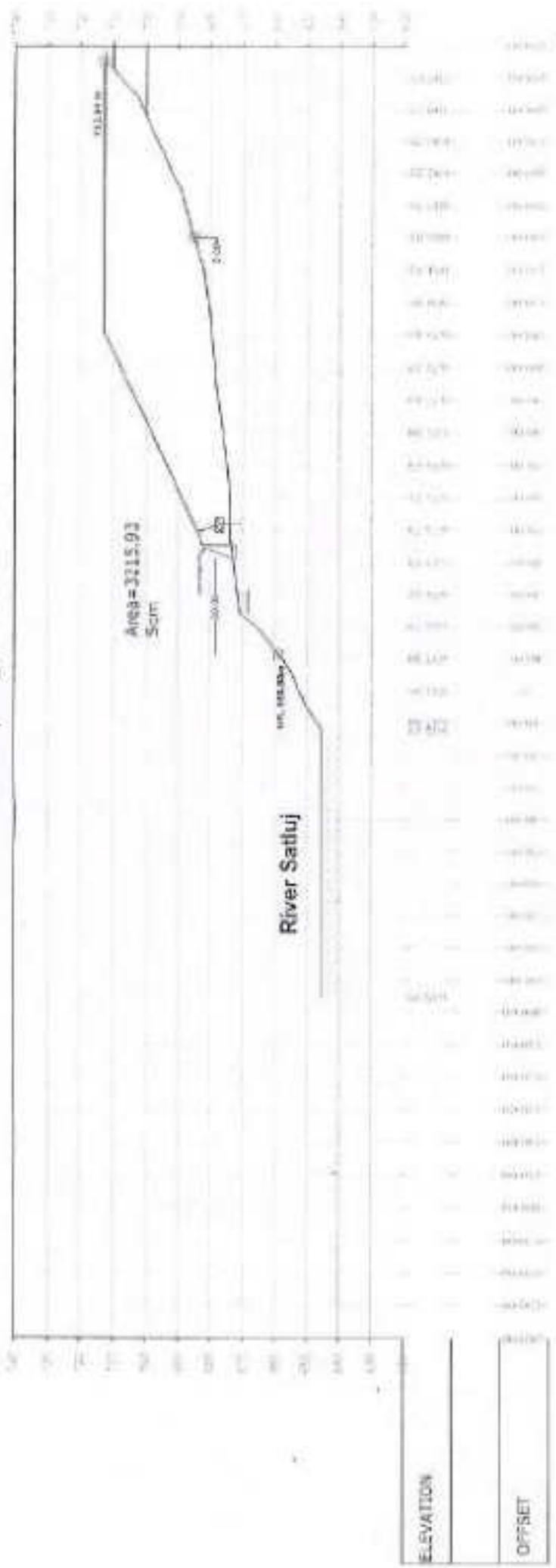
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Handwritten signature*  
 Date: 1/16





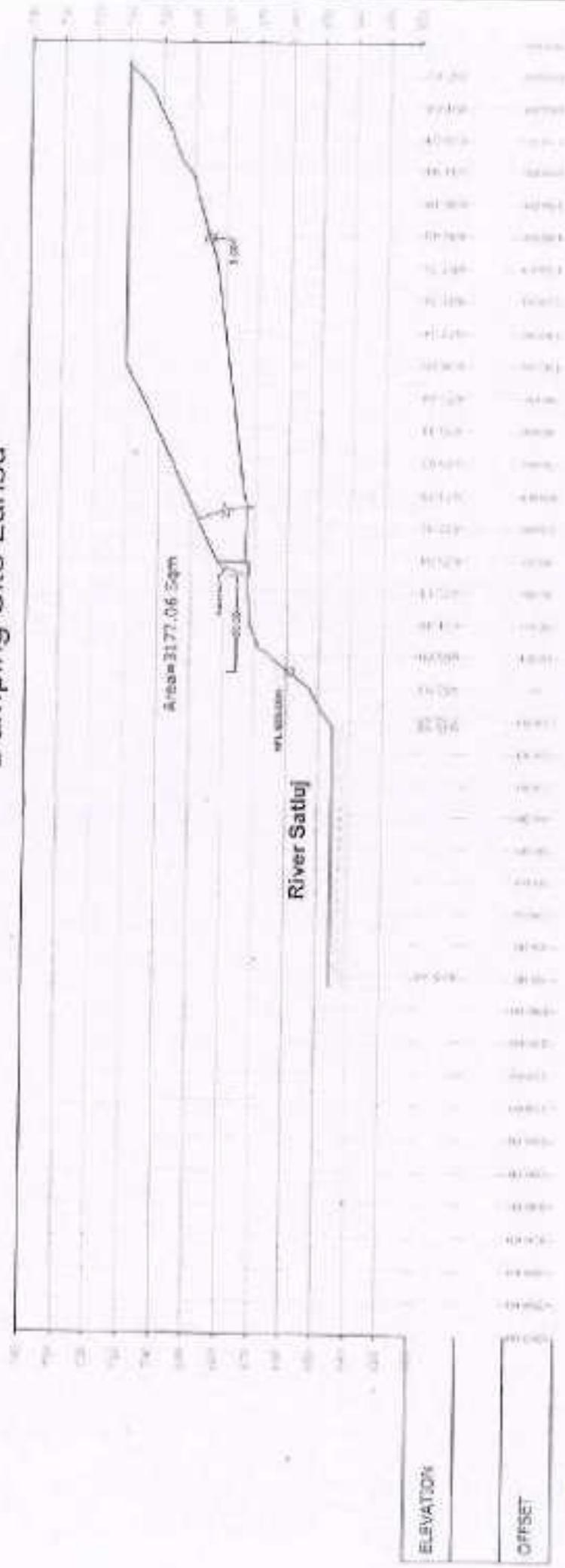
# Dumping Site Lunsu



Er. R.E. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Handwritten signature*  
 Supervisor

# Dumping Site Lunsu

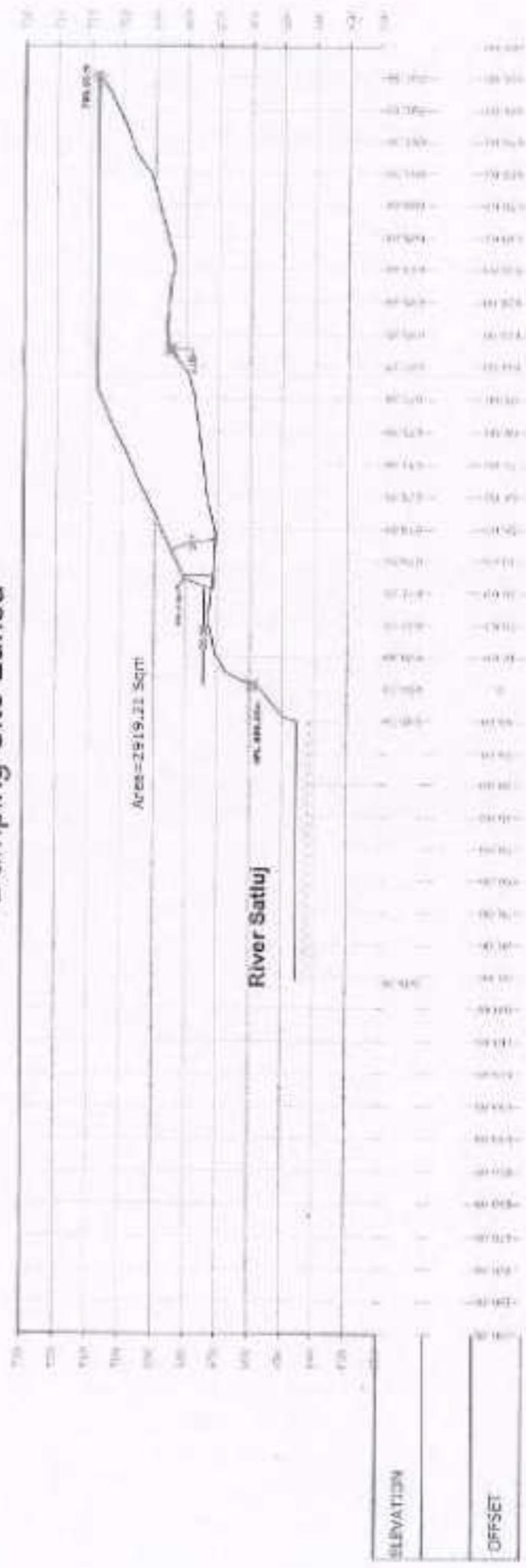


X-Section at RD 0/320 m

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

*[Signature]*

# Dumping Site Lunsu

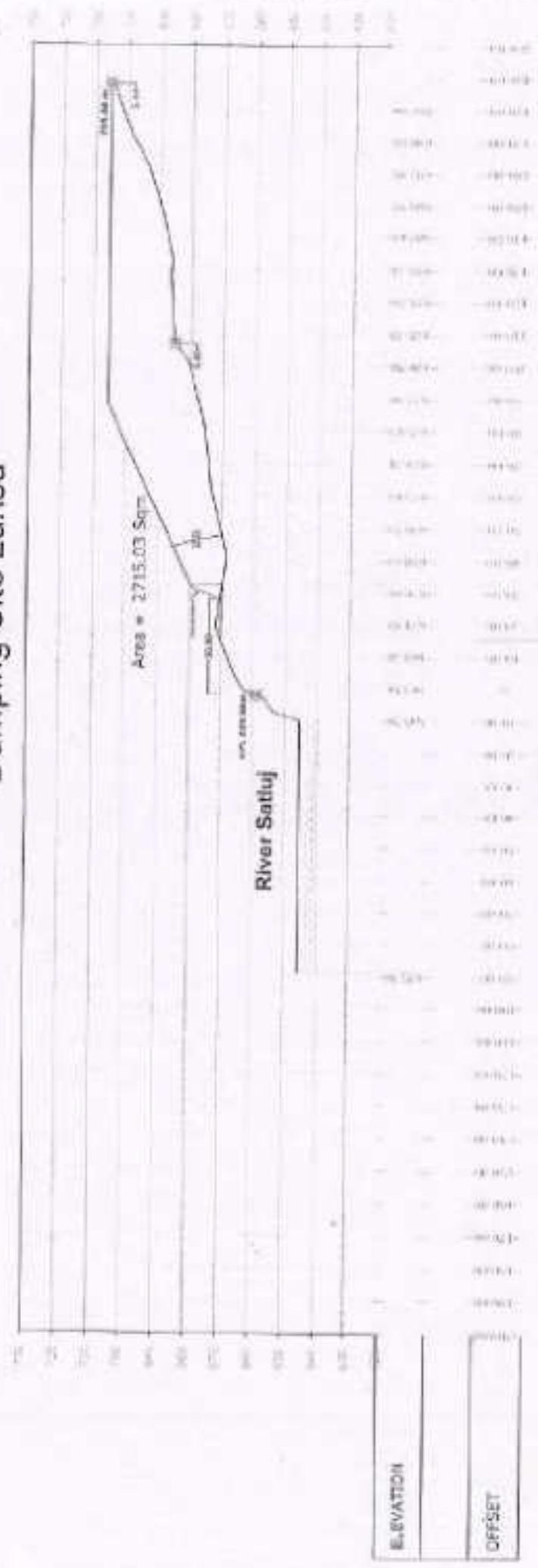


X-Section at RD 0/330 m

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*R.L. Negi*  
 Signature

# Dumping Site Lunsu

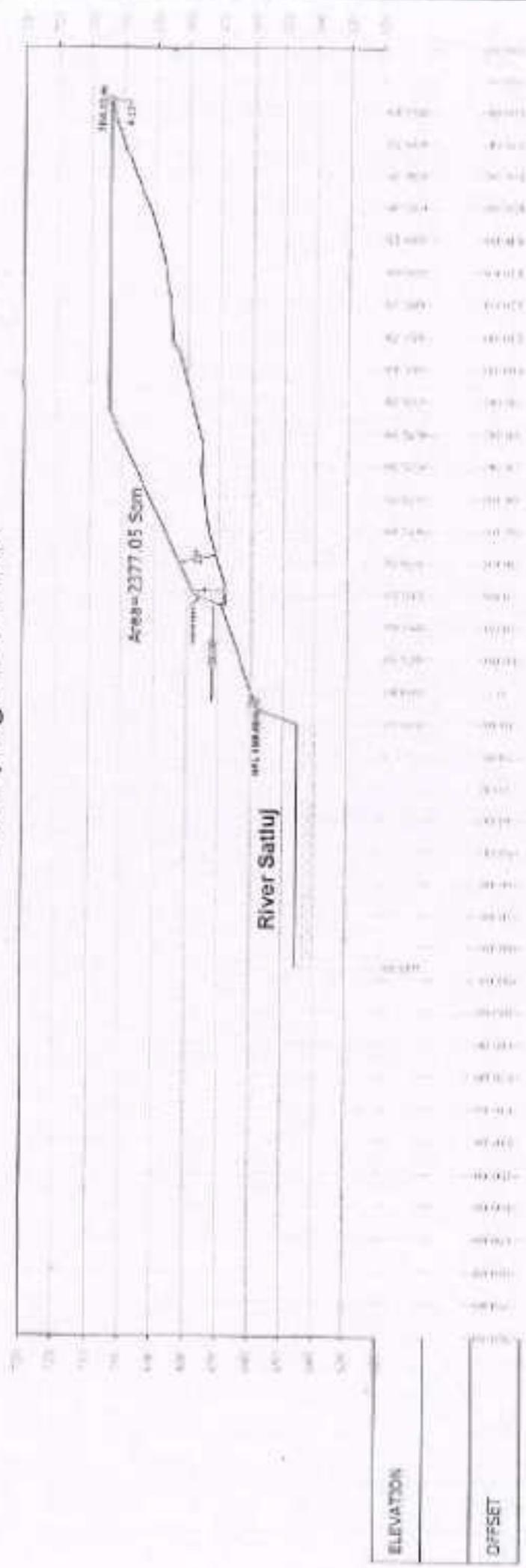


X-Section at RD 0/340 m

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Signature*  
 1/5

### Dumping Site Lunsu

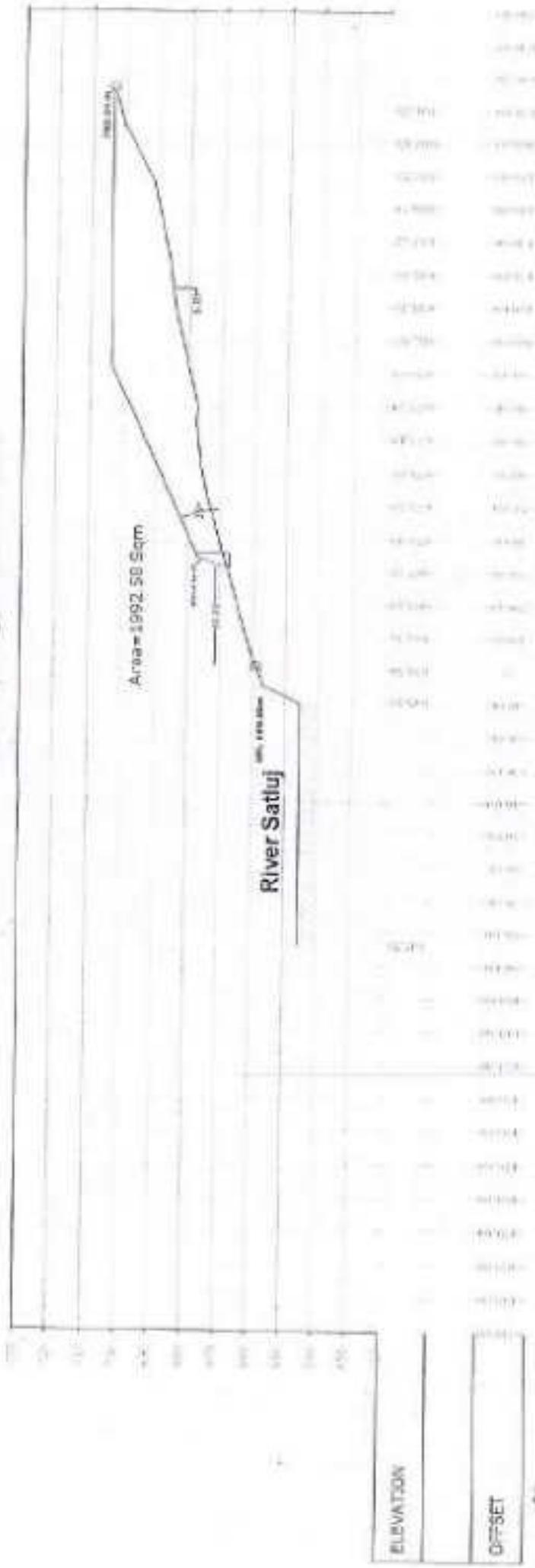


X-Section at RD 0/350 m

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Handwritten signature and initials*

# Dumping Site Lunsu

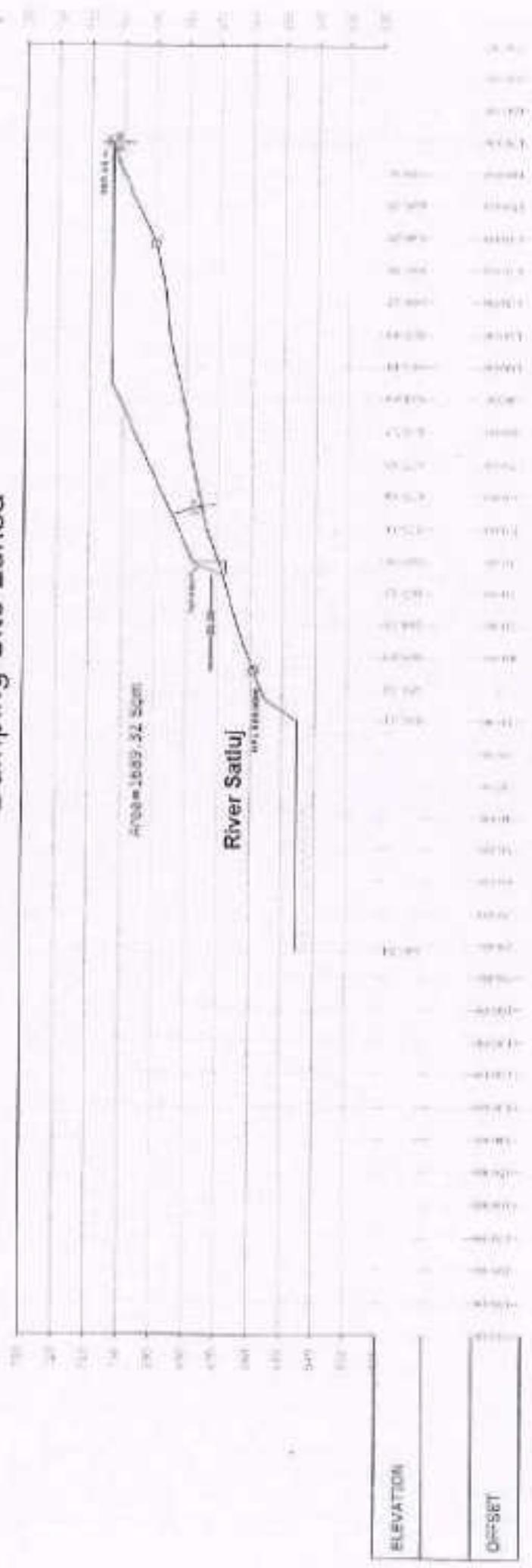


X-Section at RD 0/360 m

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*[Handwritten signature]*

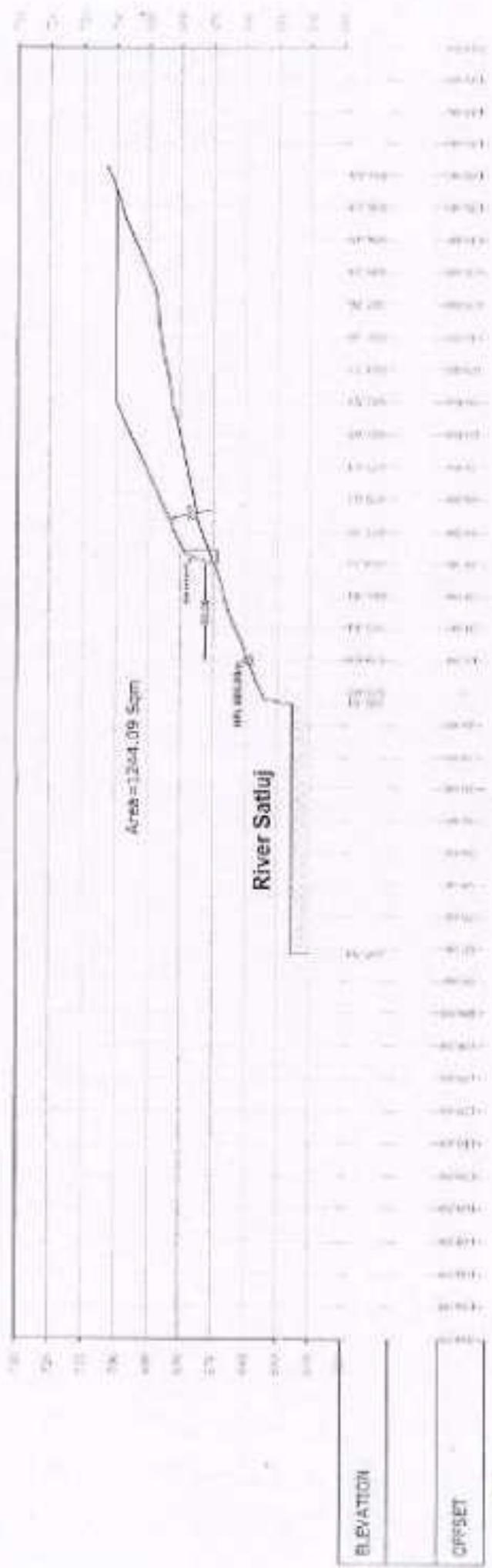
### Dumping Site Lunsu



Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Handwritten signature and date:*  
 1/16

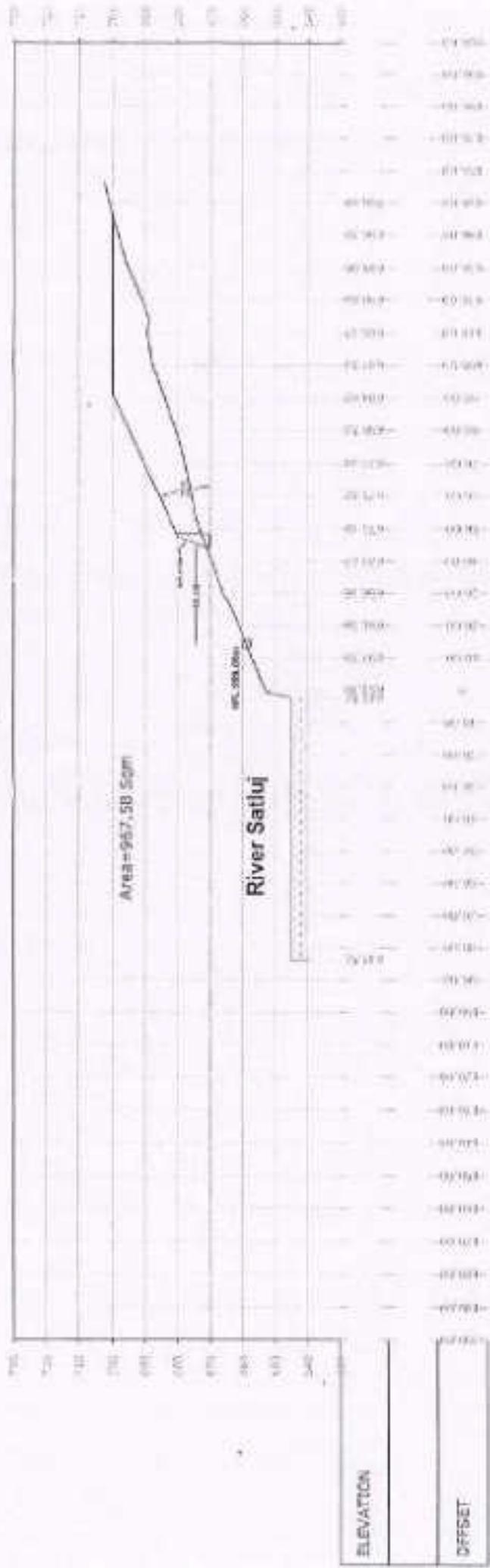
### Dumping Site Lunsu



Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*R.L. Negi*  
*Supervisor*

# Dumping Site Lunsu

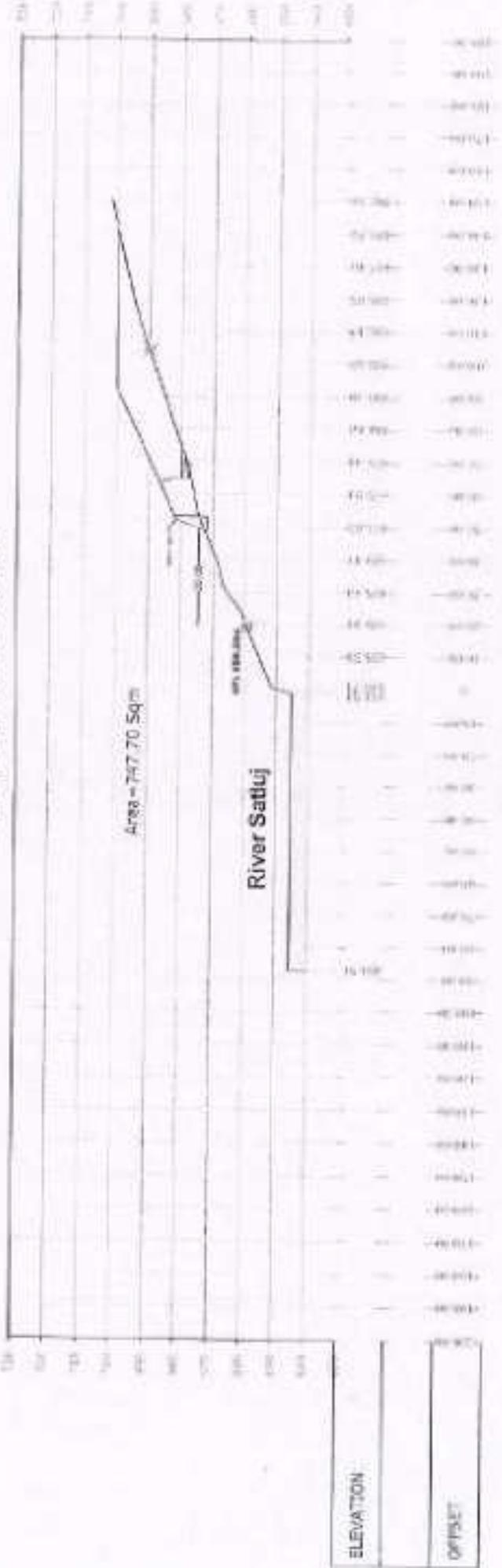


X-Section at RD 0/390 m

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*[Handwritten signature]*

# Dumping Site Lunsu

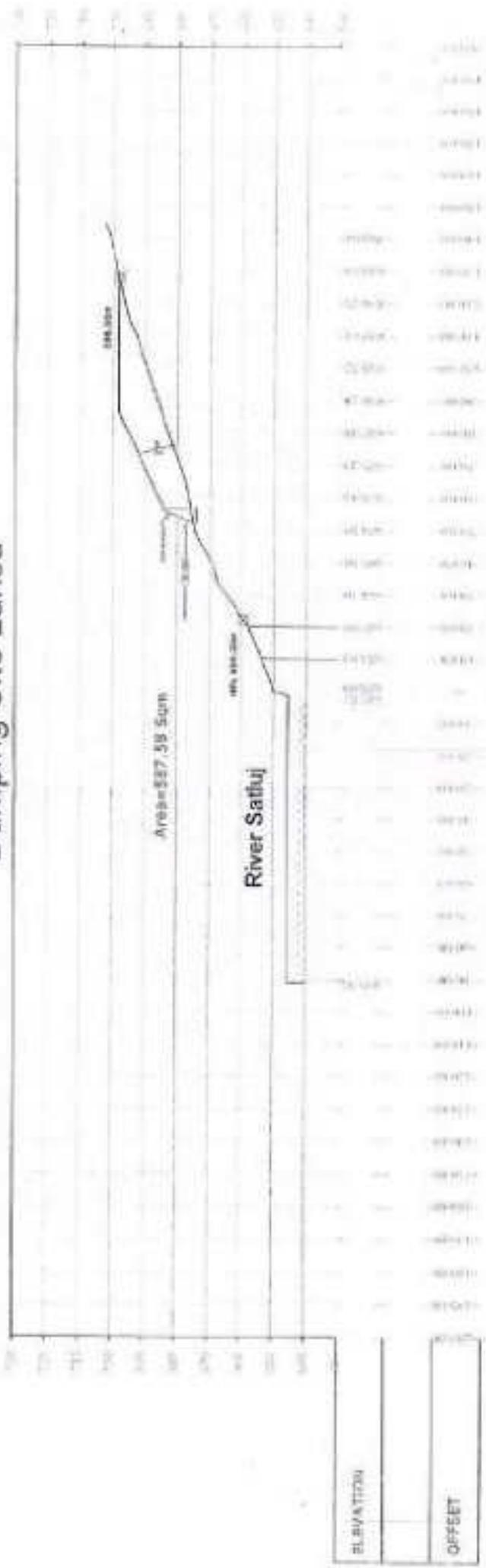


X-Section at RD 0/400 m

*R.L. Negi*  
**Er. R.L. Negi**  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Singh*

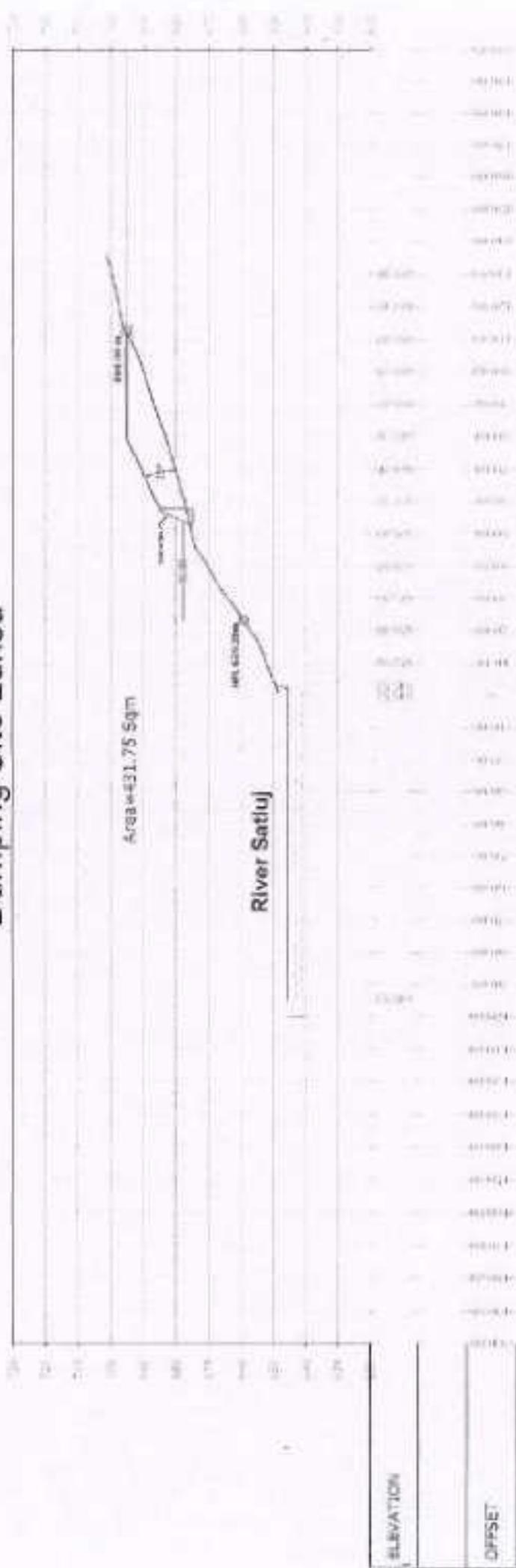
# Dumping Site Lunsu



X-Section at RD 0/410 m

*R.L. Negi*  
 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

# Dumping Site Lunsu



X-Section at RD 0/420 m

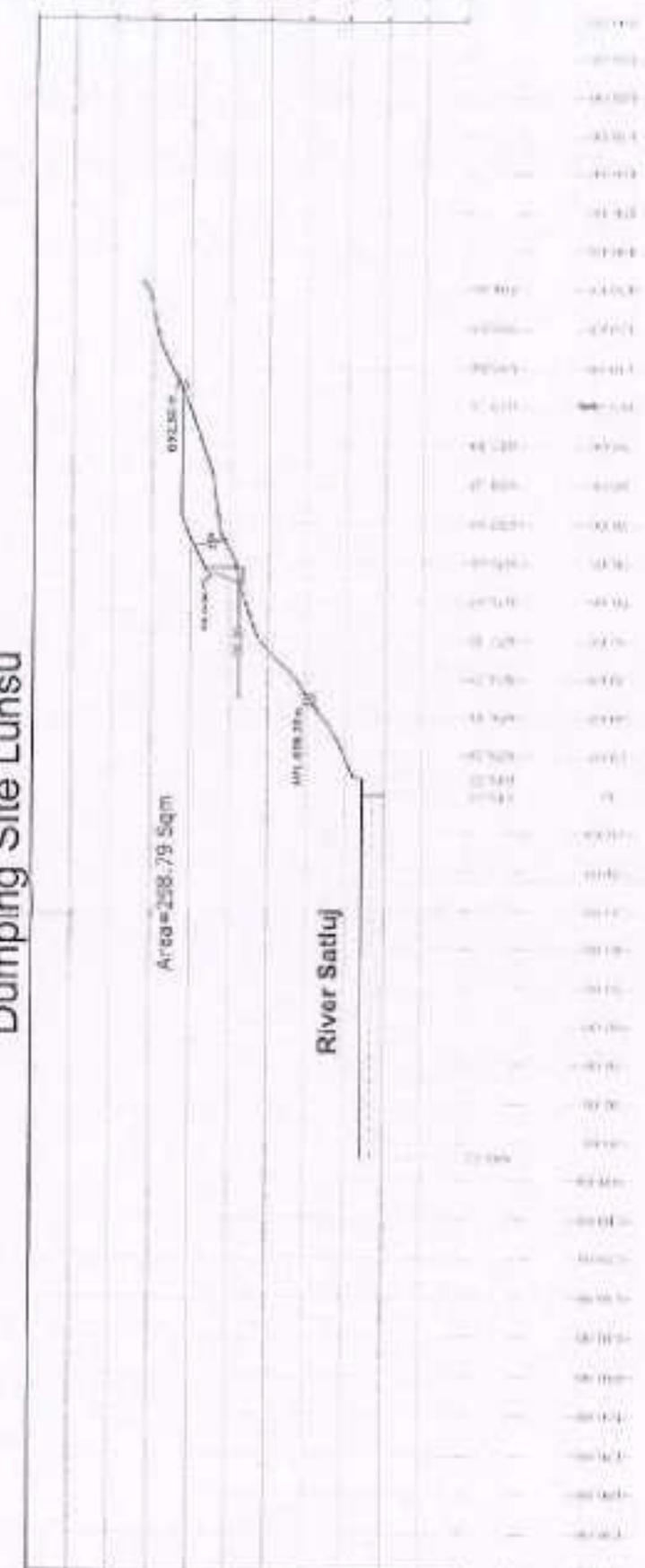
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Handwritten signature/initials*

# Dumping Site Lunsu

Area=258.79 Sqm

River Satluj



X-Section at RD 0/430 m

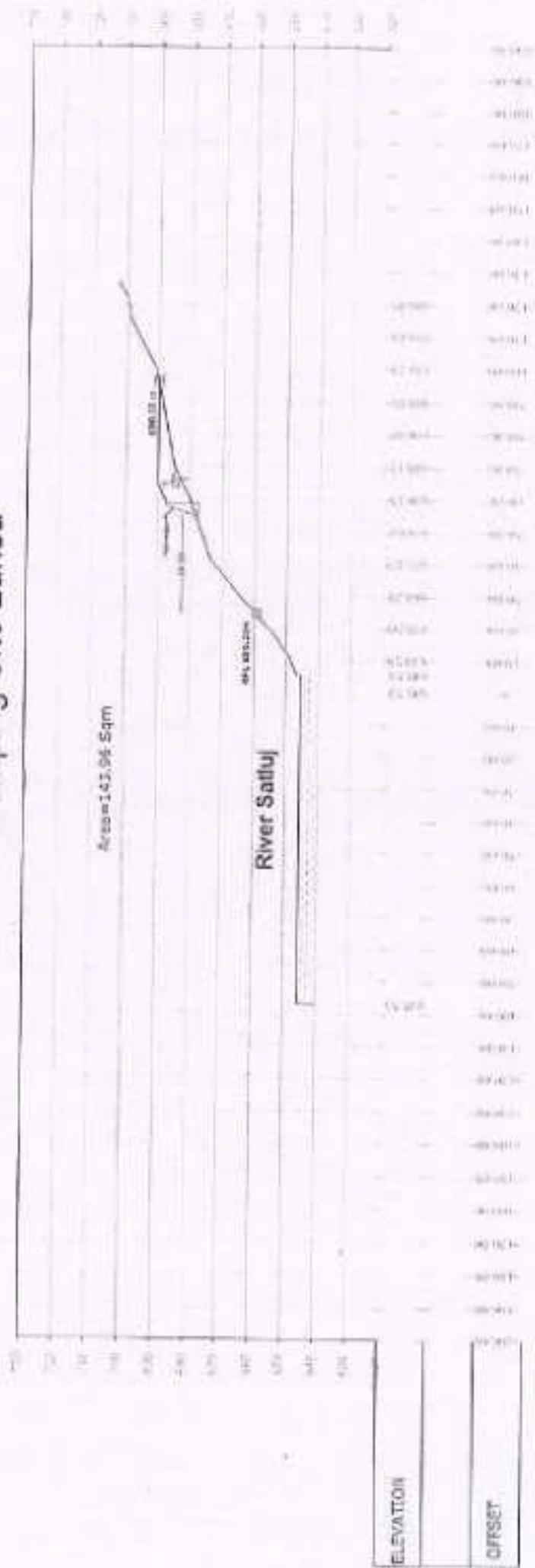
EXISTING ELEVATIONS	PROPOSED ELEVATIONS	OFFSET
250.0	250.0	
249.0	249.0	
248.0	248.0	
247.0	247.0	
246.0	246.0	
245.0	245.0	
244.0	244.0	
243.0	243.0	
242.0	242.0	
241.0	241.0	
240.0	240.0	
239.0	239.0	
238.0	238.0	
237.0	237.0	
236.0	236.0	
235.0	235.0	
234.0	234.0	
233.0	233.0	
232.0	232.0	
231.0	231.0	
230.0	230.0	
229.0	229.0	
228.0	228.0	
227.0	227.0	
226.0	226.0	
225.0	225.0	
224.0	224.0	
223.0	223.0	
222.0	222.0	
221.0	221.0	
220.0	220.0	
219.0	219.0	
218.0	218.0	
217.0	217.0	
216.0	216.0	
215.0	215.0	
214.0	214.0	
213.0	213.0	
212.0	212.0	
211.0	211.0	
210.0	210.0	
209.0	209.0	
208.0	208.0	
207.0	207.0	
206.0	206.0	
205.0	205.0	
204.0	204.0	
203.0	203.0	
202.0	202.0	
201.0	201.0	
200.0	200.0	

  
**Er. R.L. Negi**  
 CGM/Head of Project  
 SJVN, LHEP, Bithal  


# Dumping Site Lunsu

Area = 143.96 Sqm

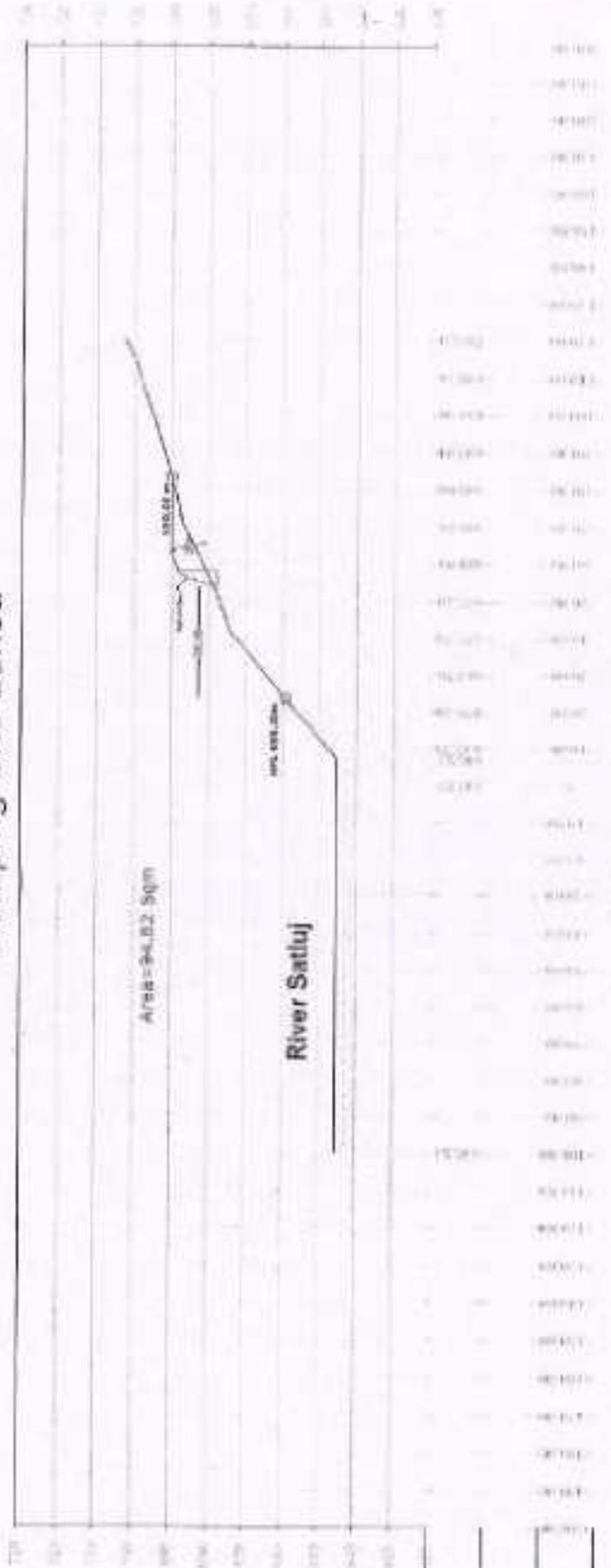
River Sattuj



X-Section at RD 0/440 m

  
**Er. R.L. Negi**  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

# Dumping Site Lunsu



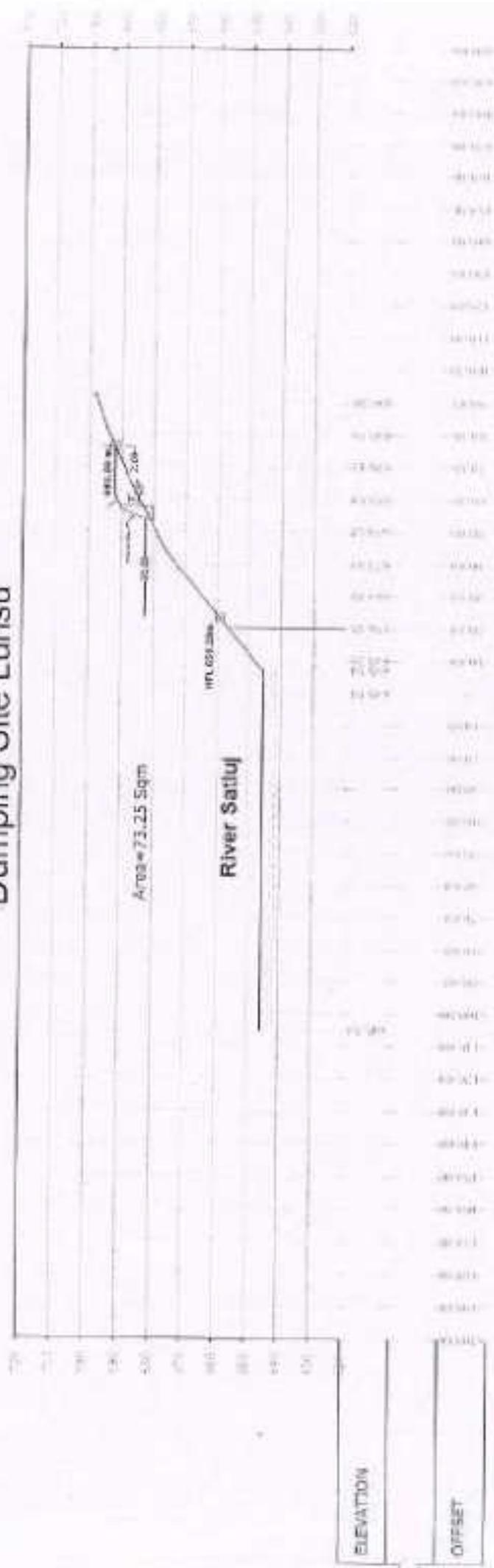
X-Section at RD 0/450 m

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Handwritten signature/initials*



# Dumping Site Lunsu



X-Section at RD 0/470 m

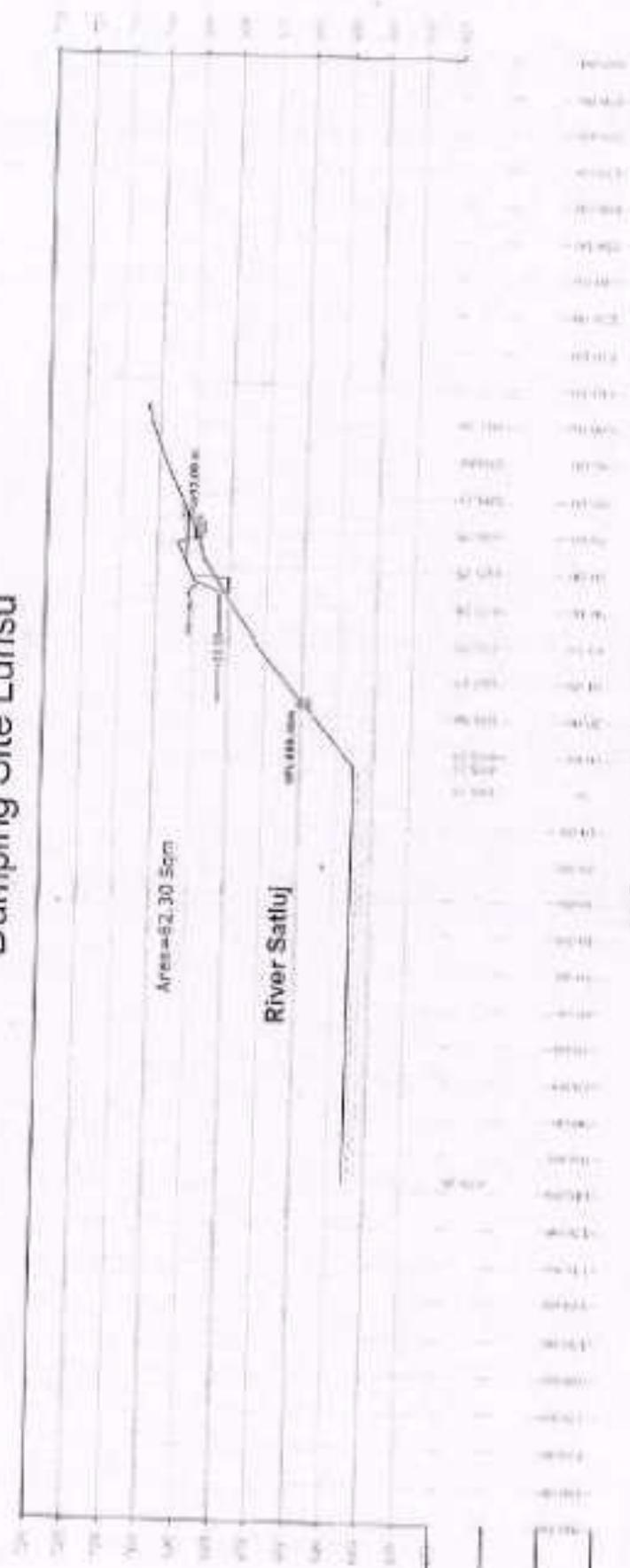
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*R.L. Negi*

# Dumping Site Lunsu

Area=52.30 Sqm

River Satluj



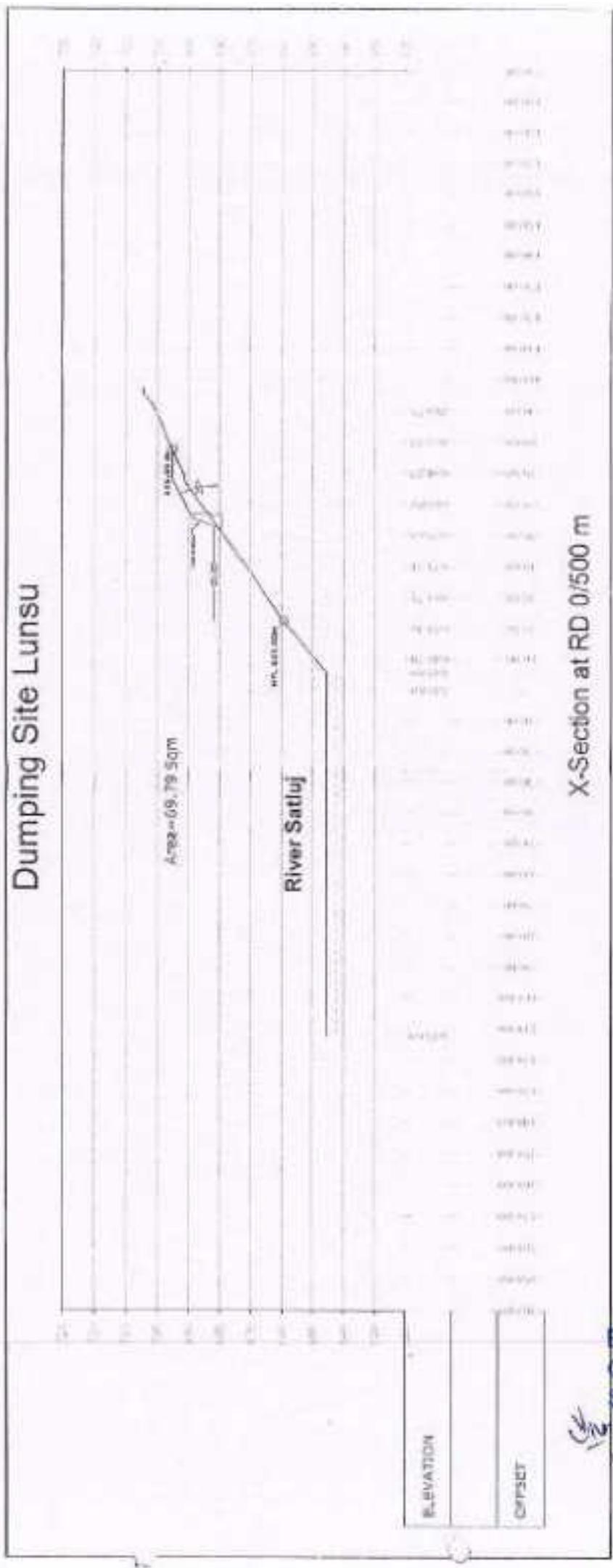
X-Section at RD 0/480 m

ELEVATION	OFFSET
20.00	0.00
19.50	10.00
19.00	20.00
18.50	30.00
18.00	40.00
17.50	50.00
17.00	60.00
16.50	70.00
16.00	80.00
15.50	90.00
15.00	100.00

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Handwritten signature*  
 1/16





  
**Er. R.L. Negi**  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

  
 Site

# Dumping Site Lunsu

Area=95.06 Sqm

River Sattuj



X-Section at RD 0/510 m

ELEVATION	
OFFSET	

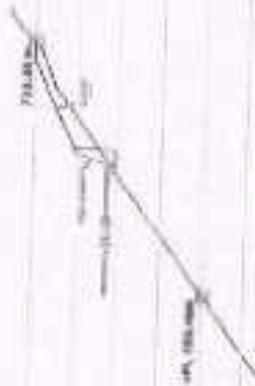
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*R.L. Negi*  
*Er. R.L. Negi*

# Dumping Site Lunsu

Area = 75.13 Sqm

River Satluj



ELEVATION	OFFSET
100.00	0.00
99.00	0.50
98.00	1.00
97.00	1.50
96.00	2.00
95.00	2.50
94.00	3.00
93.00	3.50
92.00	4.00
91.00	4.50
90.00	5.00
89.00	5.50
88.00	6.00
87.00	6.50
86.00	7.00
85.00	7.50
84.00	8.00
83.00	8.50
82.00	9.00
81.00	9.50
80.00	10.00
79.00	10.50
78.00	11.00
77.00	11.50
76.00	12.00
75.00	12.50
74.00	13.00
73.00	13.50
72.00	14.00
71.00	14.50
70.00	15.00
69.00	15.50
68.00	16.00
67.00	16.50
66.00	17.00
65.00	17.50
64.00	18.00
63.00	18.50
62.00	19.00
61.00	19.50
60.00	20.00
59.00	20.50
58.00	21.00
57.00	21.50
56.00	22.00
55.00	22.50
54.00	23.00
53.00	23.50
52.00	24.00
51.00	24.50
50.00	25.00
49.00	25.50
48.00	26.00
47.00	26.50
46.00	27.00
45.00	27.50
44.00	28.00
43.00	28.50
42.00	29.00
41.00	29.50
40.00	30.00
39.00	30.50
38.00	31.00
37.00	31.50
36.00	32.00
35.00	32.50
34.00	33.00
33.00	33.50
32.00	34.00
31.00	34.50
30.00	35.00
29.00	35.50
28.00	36.00
27.00	36.50
26.00	37.00
25.00	37.50
24.00	38.00
23.00	38.50
22.00	39.00
21.00	39.50
20.00	40.00
19.00	40.50
18.00	41.00
17.00	41.50
16.00	42.00
15.00	42.50
14.00	43.00
13.00	43.50
12.00	44.00
11.00	44.50
10.00	45.00
9.00	45.50
8.00	46.00
7.00	46.50
6.00	47.00
5.00	47.50
4.00	48.00
3.00	48.50
2.00	49.00
1.00	49.50
0.00	50.00

X-Section at RD 0/520 m

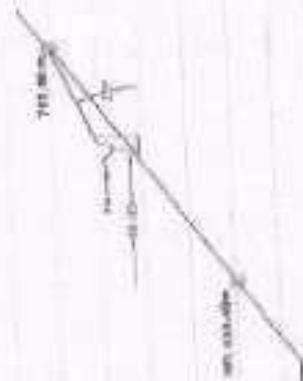
Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*Signature*  
 1/2

# Dumping Site Lunsu

Area = 65.21 Sqm

River Satluj



ELEVATION

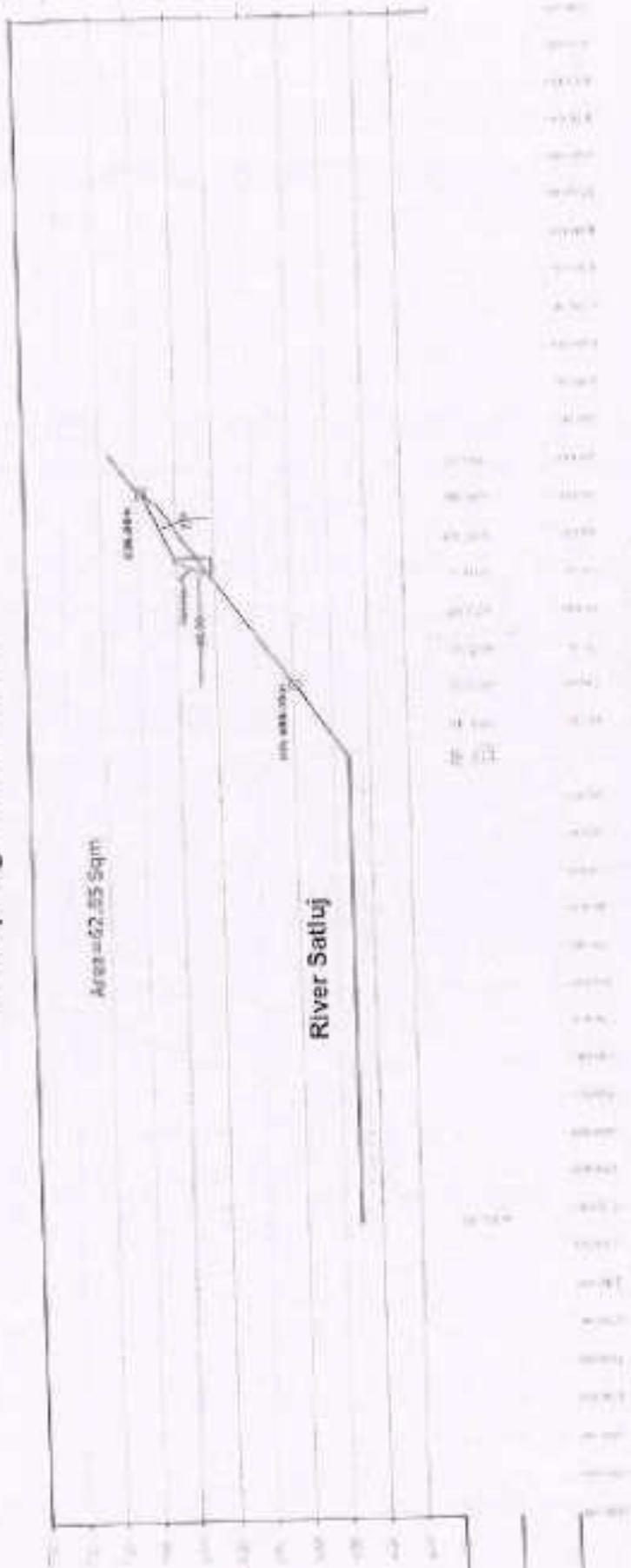
OFFSET

X-Section at RD 0/530 m

Er. R.L. Negi  
 CGM/Head of Proj  
 SJVN, LHEP, Bithur

*[Handwritten signature]*

# Dumping Site Lunsu



X-Section at RD 0/540 m

*[Handwritten signature]*

**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

ELEVATION

OFFSET

*[Handwritten signature]*

Full title of the project :- Sunni Dam Hydro -Electric Project (382 MW)

File No:

Date of Proposal :

Undertaking

It is to certify that I, Head of Project, Sunni Dam HEP, Village Rewali, P.O. Shamathala , Tehsil Kumarsain, Distt Shimla, H.P. hereby undertake that no dumping site is required under Kotgarh Forest Division as the land proposed for diversion under Kotgarh Forest Division is required for reservoir purpose only. As such no dumping management plan is required to be prepared for Kotgarh Forest Division.

Date: 06/05/2020

Place: Bithal

  
(R.L. Negi)  
Head of Project  
Sunni Dam HEP, Bithal  
Distt Shimla (H.P.)  
CGM/Head of Project  
IVN, LHEP, Bithal

Mes

b2

Cost Benefit Analysis Guidelines for forest land diversion -2017

Table-A: Cases under which a cost-benefit analysis for forest diversion is required

No	Nature of proposal	Applicable/ not applicable	Remarks
1	All categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectare in hills	Not applicable	These proposals may be considered on a case to case basis and value judgement
2	Proposal for defence installation purposes and oil prospecting (prospecting only)	Not applicable	In view of national Priority accorded to these sectors, the proposals would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non-forest use
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable	These activities being detrimental to protection and conservation of forest, as a matter of policy, such proposals would be rarely entertained.
4	All other proposals involving forestland more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centres, TV towers etc.	Applicable ✓	These are cases where a cost-benefit analysis is necessary to determine when diverting the forest land to non-forest use in the overall public interest. ✓

*[Handwritten signature]*

*[Handwritten signature]*

Head of Project  
SJVN, LHEP, Bithal

*[Handwritten signature]*

*[Handwritten signature]*  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Cost Benefit Analysis for diversion of forest land

**Table -B: Estimation of cost of forest diversion.**

Sr. No.	Parameters	MoEF Guidelines	HYDEL PROJECT	Total Loss (Rs. in Lakhs)
1	Ecosystem services losses due to proposed forest diversion.	Economic value of loss of ecosystem services due to diversion of forests shall be the net present value (NPV) of the forest land being diverted.	Total Forest Land (class-VI) proposed for diversion= 391.0695 ha. NPV Rates to open forest of class-VI @ 6,99,000/- ha.	2733.576
2	Loss of animal husbandry productivity, including loss of fodder.	To be quantified and expressed in monetary terms as 10% of NPV applicable whichever is maximum.	Total Forest Land (class-VI) proposed for diversion= 98.1004 i) Economic value of fodder production/Rs. in lakhs/year= 391.0695x4514=17.478 Lakhs ii) NPV Rates to open forest of class-VI @ 6,99,000/- ha = 2733.576 Lacs @ 10%	273.358
3	Cost of human resettlement.	To be quantified and expressed in monetary terms as per approved R&R plan.	Calculated approximately (as per Draft Final EMP Report for LHEP stage-I) = 3255.00 Lakhs	3255.00
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	To be quantified and expressed in monetary terms on actual cost basis at the time of diversion.	However there is no loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land. In case of any such loss, it will be compensated by SJVN.	-----
5	Possession value of forest land diverted.	30% of environmental costs (NPV) due to loss of forests or equivalent of adjoining area in the district should be added as a cost component as possession value of forestland whichever is maximum.	Total Forest Land (class-VI) proposed for diversion= 391.0695 ha. NPV Rates to open forest of class-VI @ 6,99,000/- ha = 2733.576 Lacs @ 30%	820.073
6	Cost of suffering to oustees.	The social cost of rehabilitation of oustees (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&R plan) be worked out as 1.5 times of what oustees should have earned in two years had he not been shifted.	Houseless PAFs as per R&R Plan=10. Social cost of rehabilitation of oustees= 10Nos. @ Rs.210/- (minimum Wages)x 30x 24months X 1.5 times = 10x6300x24x 1.5=22,68,000/-	22.680
7	Habitat Fragmentation Cost	While the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity, the cost due to fragmentation has been pegged at 50% of NPV applicable as a thumb rule.	Total Forest Land (class-VI) proposed for diversion= 391.0695 ha. NPV Rates to open forest of class-VI @ 6,99,000/- ha. 391.0695x 699000.00x 50%	1366.788
8	Compensatory afforestation and soil & moisture conservation cost	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value.	Estimated cost for Compensatory afforestation + NPV+ cost of trees= 2089.00+2913.00+754.00=5756.00 Lakhs	5756.00
			<b>Grand Total</b>	<b>14227.475 Lakhs</b>

*Prepared*

*Checked*

Head of Project  
SJVN LHEP, BILGA

**Er. R.L. Negi**  
Head of Project

Table-C - Existing guidelines for estimating benefits of forest-diversion in CBA

Sr. No.	Parameters	MoEF Guidelines	HYDEL PROJECT	Total Benefits (Rs. in Lakhs)
1	Increase in productivity attribute to the specific project	To be quantified & expressed in monetary terms avoiding double counting	Net design energy(Annual) =1298.99 GWH Cost of saleable net design energy @5.07 /kWh (Levelised tariff)=65858.793 Lakhs.	65858.793
2	Benefits to economy due to the specific project.	The incremental economic benefit in monetary terms due to the activities attributed to the specific project	<ol style="list-style-type: none"> <li>One of the most important requirements for the overall development of a State and Nation is power energy. Since, Hydel power is the cleanest, cheapest and environmental friendly source of energy, it is the top priority of the State and Nation. The energy obtained from the project will meet up the present shortage of State/ National grid. Development of the project will facilitate the emergence of industries, trade and commerce and would thereby bring more and more economic improvement.</li> <li>Direct benefit to the state (12% free power) for a 90% dependable year with 95% machine efficiency, the project will generate annual revenue from sale of 12% of the production.</li> <li>The overall improvement of the infrastructure like roads, eco-tourism, communication etc. would boost up the economy of the State and the living standard of the people will go up.</li> <li>Adding more employment opportunities and giving boost to economic growth.</li> <li>The project involves an investment of 2911.85 Crores at completion cost. This will directly benefit the entire Indian GDP. So Annual Benefit for first five years- <math>2911.85/5 = 582.37</math> crores/year. This benefit has not been taken into account.</li> </ol> <p>However, Increase in economy due to more industrialization and agriculture production (assumed as 100% the cost of saleable design energy) = <math>65858.793 \times 100\% = 65858.793</math> Lakhs.</p>	65858.793
3	No. of population benefited due to specific project	As per the Detailed project report	The completion of the project will directly benefit the population residing in 11 (Eleven) number Project affected Panchayats as well as the entire population of the State (12% free power) and rest of India through sale of electricity. <b>Increase in net benefit not valued.</b>	-----
4	Economic benefits due to of direct and indirect employment due to the project	As per the Detailed project report.	During the peak construction stage employment will be generated for about 3500 skilled and unskilled manpower for about 5 years till completion of the project in addition to about 310 employees of SJVN. After the completion of the project, about 200 people are likely to be employed in various categories for Operation, maintenance and security of the HEP & for the routine upkeep and maintenance of the roads & Buildings etc. Assuming 200 people get employed	

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

			completion of project, So Average Benefits=200x40000 (Av./month)x12=960Lakhs	960.00
5	Economic benefits due to Compensatory afforestation	Benefits from such compensatory afforestation received over next 50 years, received and discounted to the present value should be included as benefits of compensatory afforestation. *The benefits of CA the guideline of the Ministry for NPV calculation may be considered.	Estimated cost for Compensatory afforestation + NPV + cost of trees = 2019.00+2913.00+754.00=5756.00 Lakhs	5756.00
			<b>Grand Total (Annual Benefits)</b>	<b>138433.586 Lakhs</b>
<b>Assuming Project Life as 50 Years, Hence Benefits for 50Years= 138433.586x50</b>				<b>6921679.00 Lakhs</b>

(C) Benefit/Cost Ratio

<b>Total Benefit</b>	<b>6921679.00 Lakhs</b>
<b>Total Cost</b>	<b>14227.475 Lakhs</b>
<b>Benefit cost ratio</b>	<b>486.501</b>

*Prakash*

*Shiv*

*Al*

*2*

*Er. R.L. Negi*  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

*Shiv*

*Shiv*

### Sunni Dam HEP- component wise land detail

Total land required	459.2905 ha
Forest land	397.8863 ha
Private land	61.4042 ha

S.No.	Component	Forest land (ha)	Private land (ha)	Total (ha)
1	Reservoir	337.6145	45.0098	382.6243
2	Dam, Power House, Road and Bridge	39.1249	1.0148	40.1397
3	Quarry site	10.3264	0	10.3264
4	Dumping sites	4.5576	6.4255	10.9831
5	Colony site	0	8.9541	8.9541
6	Underground/ Notional area for Power House & D/Tunnel	3.8745	0	3.8745
7	Road to Quarry	2.3884	0	2.3884
	<b>Total</b>	<b>397.8863</b>	<b>61.4042</b>	<b>459.2905</b>

### District wise land detail

District	Forest land(Ha)	Private land (Ha)	Total land (Ha)
Shimla	196.7343	49.5067	246.2410
Mandi	201.152	11.8975	213.0495
<b>Total</b>	<b>397.8863</b>	<b>61.4042</b>	<b>459.2905</b>

*(Signature)*  
 Deputy Conservator of Forests,  
 Kotgarh Forest Division, H.P.

*(Signature)*  
 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

### Sunni Dam HEP

#### Forest Division wise/ Village wise land detail (with underground/ Notional Area)

*Revised on 17/09/2020 as per details as per AREA of Kh.No. 328/1 0.7171 ha added in forest land & deducted from private land*

Name of District	Name of Division	Name of Panchayat	Name of village	Forest land (ha)	Private Land (ha)	Total Land (ha)	
Shimla	Shimla	Karayali	Jaishi	18.2007	3.7634	21.9641	
			Bharara	17.5203	6.1109	23.6312	
		Chewri	Khaira	31.8388	9.9689	41.8277	
			Underground/Notional area in Khaira	0.6800	0	0.6800	
			Loosu	4.5576	3.1672	7.7248	
			Bhangana	0	3.2583	3.2583	
		Baag	Bathaura	7.2771	3.8662	11.1433	
			Pandoya	15.0423	0.4448	15.4871	
			Grehana	6.5503	0.6941	7.2446	
		Ogli	Talah	23.5863	3.2225	26.8088	
			Ogli	22.1604	4.7889	26.9493	
			Kothi	6.3146	0.5522	6.8668	
			Malgi	5.5998	8.5650	14.1648	
	<b>Total in Shimla Division</b>				<b>189.3484</b>	<b>48.4024</b>	<b>207.7508</b>
	Kotgarh	Bacahr	Bhooth	2.7544	0.00	2.7544	
			Talah	9.4813	0.0000	9.4813	
		Mogra	Banjhan	13.3032	0.8678	14.171	
			Majharog	11.8470	0.2365	12.0835	
		<b>Total in Kotgarh Division</b>				<b>37.3859</b>	<b>1.1043</b>
Mandi	Karsog	Sartyola	Jakleen	10.6240	0.6748	11.2988	
			Magaan	22.2516	0.0898	22.3414	
		Bindla	Balog	13.6269	1.7213	15.3482	
			Bhaura (BHT)	35.5165	2.8188	38.3353	
			Underground/Notional area in Bhaura	3.1945	0	3.1945	
		Parlog	Fajaan	18.2982	1.7954	20.0936	
			Khanoch	4.6117	0.00	4.6117	
			Parlog	17.0455	1.4437	18.4892	
			Behadhank	39.2072	2.4310	41.6382	
		Shaahot	Kharyali	28.6676	0.9227	29.5903	
		Naanj	Charya	2.1234	0.00	2.1234	
			Tundal	5.9849	0.00	5.9849	
		<b>Total in Karsog Division</b>				<b>201.1520</b>	<b>11.8975</b>
<b>Grand Total</b>				<b>397.8863</b>	<b>61.4042</b>	<b>459.2905</b>	

  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

DIRECTORATE OF ENERGY  
GOVERNMENT OF HIMACHAL PRADESH  
SHANTI BHAWAN, PHASE-III, SECTOR-6, NEW SHIMLA-171000  
Ph. +91 177 2673552, FAX +91 177 2673553, e-mail: ceenergy09@gmail.com  
No. HPDOR/CE(Energy)/Luhri HEP/Vol.41/2017-14679-54 Dated: 25/08/17

To  
The Chairman-cum-Managing Director,  
SJVN Ltd. Corporate Office, Goyalpur,  
Shanara, Shimla-171005.

Subject: Memorandum of Understanding (MoU), regarding execution of Luhri-I & II HEP & Sunni Dam Hydro Electric Projects on river Sutuj in Shimla, Mandi, Kullu District - Signing thereof.

Sir,

I have been directed to convey that, the Government, has approved to allocate Luhri-I (219 MW) & II (143 MW) HEPs and Sunni Dam Project (528 MW) to SJVNL for implementation on standalone basis without Special Purpose Vehicle (SPV) i.e. on the pattern of Rampur HEP and also approved the draft Memorandum of Understanding (MoU) for these Projects broadly on the basis of MoU signed for Rampur HEP.

It is therefore, requested to sign the MoU for Luhri-I & II and Sunni Dam Projects with the Government at the earliest. In this regard, it is requested to furnish printed copies of the MoA & AoA in respect of SJVNL and the copies of the agreements signed for Rampur HEP and Luhri HEP. A copy of the approved draft MoU is also appended as Annex-A, for taking necessary action please.

Yours faithfully,

DA: As above

*[Signature]*  
Chief Engineer (Energy) 24/8/17  
Directorate of Energy, GoHP.

Copy to the Additional Chief Secretary (MPP & Power), to the GoHP, Shimla-171002 for kind information and necessary action please.

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*  
Chief Engineer (Energy) 24/8/17  
Directorate of Energy, GoHP.

*[Signature]*

*[Signature]*

*[Signature]*  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



सत्यमेव जयते

# INDIA NON JUDICIAL Government of Himachal Pradesh

## e-Stamp

Certificate No.	: IN-HP03048168007028R
Certificate Issued Date	: 23-Sep-2019 12:50-PM
Account Reference	: IMPACC (GVY) hpimpeg07/ SHIMLA HP-8M
Unique Doc. Reference	: SUBIN-HPHPIMPEG0705872894842674R
Purchased by	: SHASHI PRASAD SO U B PRASAD
Description of Document	: Article 5 Agreement or Memorandum of an Agreement
Property Description	: MoU AGREEMENT
Consideration Price (Rs.)	: 0 (Zero)
First Party	: GOVT OF HIMACHAL PRADESH
Second Party	: SJVN LTD SHAKTI SADAN SHANAN MALYANA HP
Stamp Duty Paid By	: SJVN LTD SHAKTI SADAN SHANAN MALYANA HP
Stamp Duty Amount(Rs.)	: 50 (Fifty only)



*[Signature]*  
**SUGAM SETHI**  
 DC Office, Shimla

.....Please write or type below this line.....

*[Handwritten mark]*

*[Signature]*  
**Pr. Secretary (Power) to the  
 Govt. of Himachal Pradesh,  
 Shimla-171002**

*[Signature]*  
**N.L. Sharma**  
 Chairman & Managing Director  
 SJVN Limited  
 Shakti Sadan, Corners Office Complex,  
 Shanau, Shimla-171002 (H.P.)

**Statutory Alert:**

1. The authenticity of this Stamp Certificate should be verified at "www.shcstamps.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

**MEMORANDUM OF UNDERSTANDING SIGNED BETWEEN THE GOVERNMENT OF HIMACHAL PRADESH AND SJVN LIMITED FOR THE EXECUTION OF SUNNI DAM (382 MEGAWATT) HYDRO ELECTRIC PROJECT IN SATLUJ RIVER BASIN IN HIMACHAL PRADESH**

This Memorandum of Understanding (MOU) is executed and entered into on this 25<sup>th</sup> Day of September in the year Two Thousand and Nineteen between the Governor of Himachal Pradesh through the Principal Secretary, Department of Multipurpose Projects and Power to the Government of Himachal Pradesh having its office at Civil Secretariat, Shimla-171002 (here-in-after referred to as the "Government" which expression, unless repugnant to the context or meaning thereof, shall include its successor(s) administrator(s) or permitted assigns), of the FIRST PART.

AND

SJVN Limited, a company incorporated under the Companies Act, 1956, vide Registration No. L40101HP1988OOI008409 dated 24.05.1988 and also a 'Generating Company' within the meaning of Section 2 (28) of the Electricity Act, 2003, having its registered office at Shakti Sadan, SJVN Corporate Headquarters, Shanan, Shimla-171006 (H.P.) through the Chairman and Managing Director, who has been duly authorized to execute the MoU vide Resolution no. 275/24 dated 12.08.2019 (here-in-after referred to as the "SJVN Limited" which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successor(s), administrator(s), and permitted assigns), of the SECOND PART.

WHEREAS, Sunni Dam Hydro Electric Project (HEP), (here-in-after referred to as the "Project"), on the river Satluj in Shimla and Mandi Districts in the State of Himachal Pradesh, with an indicative capacity of 382 Megawatt (MW) is contemplated to be taken up for implementation;

And WHEREAS, SJVN Limited has approached the Government of Himachal Pradesh (GoHP) to Build the project on (build, own, operate, maintain) BOOM / (build, own, operate, transfer) BOOT basis (as applicable);

And WHEREAS, the Government of Himachal Pradesh (GoHP) has agreed to allow the SJVN Limited to initiate steps to Build, Own, Execute, Implement, Operate and Maintain Sunni Dam (382 MW) HEP, on the river Satluj in Shimla and Mandi Districts in the State of Himachal Pradesh.

NOW, THEREFORE, FOR AND IN CONSIDERATION OF PREMISES AND MUTUAL COVENANTS SET FORTH HEREIN, AND FOR GOOD AND VALUABLE CONSIDERATION, THE PARTIES HEREBY AGREE AS FOLLOWS:

1. SJVN Limited shall continue to be a Joint Venture between Government of India and Government of Himachal Pradesh. SJVN Limited shall arrange all necessary finances for the implementation of the project through, loans, debentures, its own income from previous projects or such other sources that may be available. Equity of Government of Himachal Pradesh (GoHP)

No 0382038 2019 Himachal Government Judicial Paper

shall be as per the current existing equity in SJVN Limited and GoHP shall have a right to raise the equity up to 30 % subject to the compliance of provisions of Company Law, Guidelines of SEBI and other prevailing Laws.

2. (A) Twelve percent (12 %) of the energy generated from the project after excluding auxiliary consumption and transformation losses (net energy) shall be given to the State Government free of cost (Government supply) at the interconnection point of the power station with the State / Central Transmission Utilities from Schedule Commercial Operation Date/Synchronization of first generation unit, whichever is earlier.

(B) GoHP shall be allocated additional power to the extent of full unallocated power i.e. 15% of the saleable energy which is available with Ministry of Power, Government of India (GoI) as unallocated power, during the winter months i.e. from October to March each year from the generation of Project at bus bar rate for exclusive consumption in the State of Himachal Pradesh & not for sale subject to necessary approval.

(C) SJVN Limited shall contribute 1% additional Free Power for Local Area Development Fund (LADF) over and above the rates of free power entitlement agreed to be paid to the State Government at the interconnection point of the power station with the State/ Central Transmission Utilities. The additional 1% Free Power from the project shall be provided by SJVN Limited and earmarked for Local Area Development Fund, aimed at providing a regular stream of revenue for income generation to Project affected families on the sustained and continued basis over the entire life of the project. This additional 1% Free Power, over and above the free power entitlement component provided to the Government will be pass through in tariff.

(D) SJVN Limited shall be liable to deposit an equivalent amount of 100 units of electricity, per month for a period of 10 years, as per applicable subsidized tariff determined by Himachal Pradesh Electricity Regulatory Commission (HPERC) from time to time, with respective Local Area Development Committees (LADCs) of the districts and the balance amount equivalent to the quantum of subsidy with the State Government. This shall be done once in a year since the tariff is determined for a year by the HPERC.

(E) SJVN Limited shall contribute 1.5 % of the cost of the project towards pre-commissioning Local Area Development Fund (LADF).

3. SJVN Limited shall prepare and implement Rehabilitation & Resettlement (R&R) Plan for the Project as per the GoHP guidelines and approval, which shall not be lesser beneficial as compared to Right to Fair Compensation and Transparency in Land Acquisition and Rehabilitation & Resettlement (RFCTLARR) Act, 2013. In addition to R&R, the Company shall also run Community Development Schemes and Corporate Social Responsibility programs for the villages within/around the Project site, entwined to cater to local area development including capacity/skill development of affected population, as per the objectives and policies of the company which shall be other than the Local Area Development Fund (LADF) contribution.

4. Minimum 40% of the approved staff strength in this Hydro electric Project during construction as well as Operation and Maintenance Stage shall be taken on absorption / deputation basis from HPSEBL. Pay and allowances of the deputationists shall be as per guidelines of Government of India as applicable from time to time. Employees of HPSEBL on deputation to SJVN Limited

Pr. Secretary (Power) to the Govt. of Himachal Pradesh

Handwritten signature/initials

N.L. Sharma Chairman & Managing Director SJVN Limited Shakti Sadan, Corporate Office Complex, Prunan, Shimla-171006 (H.P.)

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N<sup>o</sup> 0382058 2019 Himachal Government Judicial Paper

shall be offered absorption and in case of their absorption in the SJVN Limited Pay scales and perquisite of SJVN Limited shall be allowed to all the employees absorbed in SJVN Limited.

5. 100% recruitment at the level of workmen (including Technical and Ministerial) required to be done, if any, will be done first from the land oustees and in case of non-availability of suitable candidates amongst land oustees, the recruitment will be done from other residents of Himachal Pradesh State whose names are registered on live register of any employment Exchange located in the State subject to individuals fulfilling the qualification and job specification for the relevant post.

6. The detailed terms and conditions of the Implementation Agreement (IA) shall be formulated with the mutual agreement of GoHP and SJVN Limited.

7. As per the provisions of Hydro Power Policy, 2006 of the State, the SJVN Limited / Developer shall be liable to reimburse to the Himachal Pradesh State Electricity Board Limited (HPSEBL) / Himachal Pradesh Power Corporation Limited (HPPCL), the expenditure incurred on account of Survey & Investigations carried on the Project.

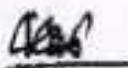
8. The detailed timelines/ milestones shall be finalized at the time of signing of Implementation Agreement.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE CAUSED THE CONTENT OF MOU TO BE SIGNED, SEALED AND DELIVERED BY THEIR DULY AUTHORIZED REPRESENTATIVES ON THE DAY, MONTH AND YEAR FIRST ABOVE WRITTEN.

For and on behalf of Government of Himachal Pradesh

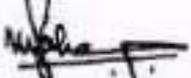
For and on behalf of M/s SJVN Limited

  
Principal Secretary (MPP & Power),  
Government of Himachal Pradesh,  
Civil Secretariat, Shimla-171002 (H.P)

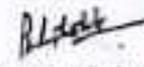
  
N.L. Sharma  
Chairman, Implementation Director,  
SJVN Limited  
S. Anand Complex, Shimla, Himachal Pradesh,  
Shimla-171006 (H.P)

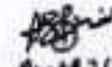
Witnessed by:

Witnessed by:

1.   
Manoj Sahay Thakur  
Director (Energy)

1.   
Greta Kapur  
Director P.A.

2.   
P.K.S. Rohela  
Chief Engineer, DoE

2.   
ANIL SINGH BUNDRA  
Director (P)



# SJVN Limited

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)  
A Mini Ratna & Schedule "A" PSU

CI No. LA0101HP1988GO1008409, Website: [www.sjvn.nic.in](http://www.sjvn.nic.in)

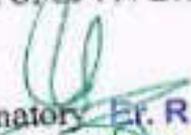
## Sunni Dam Hydro Electric Project

(An ISI ISO 9001: 2008 Certified Project)

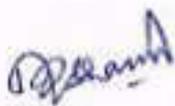
### Undertaking Regarding Techno-Economic Appraisal (T.E.A.) of Sunni Dam HEP

It is to inform that the Detailed Project Report (DPR) of Sunni Dam HEP has been Prepared and submitted to *Central Electricity Authority (CEA)* on 30/08/2019 for *Techno-Economic Appraisal (T.E.A.)* and is under examination with CEA. SJVN Ltd. here by undertakes to provide the copy of Techno-Economic Appraisal (T.E.A.) as soon as it shall be issued by Central Electricity Authority (CEA).

For & on behalf of SJVN Ltd

Authorized Signatory   
(Name & Designation) **E. R. L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

Date: 29/12/2019  
Place: Dardal



# एसजेवीएन लिमिटेड

(भारत सरकार एवम् हिमाचल सरकार का संयुक्त उपक्रम)  
(मिनी रत्न शिड्यूल 'ए' पीएसयू)

## SJVN LIMITED

(A Joint Venture of Govt of India & Govt of HP)  
(A Mini Ratna Schedule 'A' PSU)



कॉर्पोरेट प्लानिंग विभाग / Corporate Planning Dept

शानान, शिमला / Shanana, Shimla-171 006

दूरभाष / Tel No. : 0177 - 2660180

फैक्स / Telex : 0177 - 2660181

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August 30, 2019

Ref. No.: SJVN/CHQ/CP/Sunni Dam/2019- 1317

The Secretary,  
Central Electricity Authority,  
Sewa Bhawan, R.K.Puram,  
New Delhi - 110066

Sub: Submission of DPR of Sunni Dam IEP, 382 MW, Himachal Pradesh

Sir,

Sunni Dam IEP, 382 MW is located in river Sattaj in Shimla and Mandi District of Himachal Pradesh. It is a run of river development. It envisages a 83 m high concrete gravity dam and underground power house.

SJVN has prepared and finalized nine (09) aspects / chapters of the Pre-DPR in consultation with concerned appraising groups of CEA, CWC, GSI, CSMRS and MOWR prior to submission of Detailed Project Report (DPR) to CEA for its Concurrence / Appraisal. These aspects / chapters of the DPR were examined and approved by the concerned appraising groups during pre- DPR Stage. The clearance status of different aspects is attached as Annexure-I. The complete DPR of the project is now ready for submission to CEA comprising the following volumes:

1. Volume-I : Main Report- Chapter I to IV, VI to VIII, X-XV, XIX to XXI
2. Volume-II : Design of Civil Structures- Chapter IX
3. Volume-III : Cost Estimate and Economic Evaluation- Chapter XVI to XVIII
4. Volume-IV : Survey & Investigations (Part-A) - Chapter V
5. Volume-V : Survey & Investigation (Part-B) - Chapter V
6. Volume-VI : Survey & Investigation (Part-C) - Chapter V
7. Volume-VII : Drawings

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

The project is estimated to cost Rs.2555.71 Crores including IDC, Financing charges and infrastructure works amounting Rs. 24.48 Cr at June, 2019 price level. The design energy of the project is 1381.77 GWh. The breakup of the cost estimate & tariff is given below:-

Total Hard Cost at June, 2019 Price Level = Rs.2146.61 Crore  
Interest during Construction = Rs.400.15 Crore

Registered & Corporate Office : SJVN Corporate Head Quarters, Shanana, Shimla-171006 (H.P.)

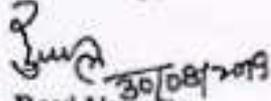
पंजीकृत कार्यालय: एसजेवीएन कॉर्पोरेट हेड क्वार्टर, शानान, शिमला - 171006 (हि. प्र.)

E-Mail : [epsjvn@hotmail.com](mailto:epsjvn@hotmail.com) CIN:L40101HP1988GO1008409

Financial Charges	=	Rs.8.95 Crore
Total Basic Cost including IDC and FC	=	Rs.2555.71 Crore
1st year Tariff	=	Rs.4.53/kWh
Levelised Tariff	=	Rs.4.17/kWh

In view of the above, please find enclosed Detailed Project Report of Sunni Dam HEP, 382 MW, Himachal Pradesh in soft format in CD and one hard copy. The remaining copies of the same shall be sent separately for further examination of the same.

Yours faithfully,

  
 (Er. Ravi Uppal)  
 Chief General Manager  
 Corporate Planning Deptt.,  
 CIQ, Shanan,  
 Shimla-171006 (HP)

CC:

- i) Director (HPP&I), CEA, Sewa Bhawan- For Information Please.
- ii) Director (PAC), CEA, Sewa Bhawan- For Information Please.

  
 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

No. SE-IPH-SNR-WA-PDR-NOC/2017-  
Himachal Pradesh  
I&PH Department

23078-92

To

M/s. Er. Vikash Mahajan,  
AGM (Environment),  
Suni Dam Project, SJVN, Bithal.

Dated Sundernagar the 14 March, 2018.

Subject: Issuance of No Objection Certificate in respect of Suni Dam Project.

Sir,

In pursuance to Principal Secretary (IPH) to the Govt. of HP Shimla letter No.IPH-B(P)S-4/2006 dated 29-8-2007, no objection certificate is hereby granted in favour of **Er. Vikash Mahajan, AGM (Environment), Suni Dam Project, SJVN, Bithal** for the execution of above project subject to the following conditions:-

1. The firm shall enter into legal agreement with the department by signing an agreement with Executive Engineer, I&PH division Harsoo.
2. All the conditions of the agreement so signed shall be strictly adhered to by both parties.
3. That the Chief Engineer (MZ) IPH Department Mandi shall be the sole adjudicator of any dispute arising during construction as well as subsequently and his decision shall be binding on the parties.
4. In case, there is any scarcity of water due to drought or any reasons, the requirement of department shall have precedence over the requirement of this project.
5. The firm shall ensure that the quantum of minimum flow of water to be released and maintained throughout the year immediately downstream of the diversion site is a threshold value of not less than 15% of the minimum inflow observed in the lean season to the main river water body whose water is being harnessed by this project. The firm shall also ensure adequate minimum environmental flow in the river below the diversion site to take care of aquatic life and ecology of the area.
6. The firm shall rehabilitate/ repair/ compensate for the IPH assets/water resource as well as Private Kuhals/Irrigation schemes/Water Supply Scheme in case these are damaged or adversely affected due to construction of the project. During restoration period the arrangement for providing of water to beneficiaries shall be made through tankers and other alternative possible arrangement by the firm.
7. Additional water requirement of the department in future in addition to the project demand will get priority over the requirement of the firm.
8. In addition to IPH-Department requirement, the firm will also satisfy the requirement of private users, if any.

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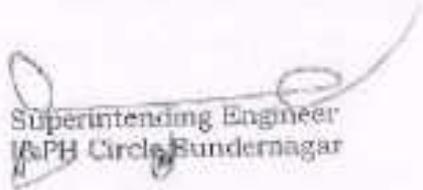
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*[Handwritten signature]*  
Er. R. L. Negi  
Head of Project  
SJVN, LHEP, Bithal

*[Handwritten signature]*  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

9. In the event of violation of any of the aforesaid terms and conditions of the NOC by the firm, the NOC shall be treated as cancelled.

  
Superintending Engineer  
I&PH Circle Sundernagar

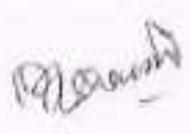
Copy forwarded to the Principal Secretary (IPH) to the Govt. of HP Shimla-2 with reference to their office letter No. IPH-B(P)5-4/2006 dated 29-8-2007 for favour of information please.

Copy forwarded to the Engineer-in-Chief, I&PH department Shimla-1 for favour of information please.

Copy forwarded to the Chief engineer (MZ) I&PH department Mandi for favour of information please.

Copy forwarded to the Executive Engineer, I&PH Division, Karnag for information and necessary action with reference to his office letter No. 13294 dated 06/03/2016 vide which the case for issuing NOC has been recommended in favour of **Er. Vileash Mahajan, AGM (Environment), Suni Dam Project, SJVN, Bithal.**

  
Superintending Engineer  
I&PH Circle Sunder Nagar





  
Er. R.L. Negi  
Head of Project  
SJVN, LHEP, Bithal



  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Himachal Pradesh  
I&PH Department-

No. IPH-SE-WS-WA-I - NOC Suni Dam/ 2018

3769-73

Dated:- 16.8.2018

To

The AGM(ENV)Suni Dam  
HEP Bithal Tehsil Suni  
Distt Shimla HP

Subject

NOC Suni Dam.

In pursuance to Principal Secretary (I&PH) to the Govt. of H.P. Shimla letter No.H-H-13(F)5-4-2006 dated 2007 the necessary NOC as applied for the construction of 373-MW Suni Dam Hydro Electric project Power House in Tehsil Suni, District Shimla HP is hereby issued so far the District Shimla is concerned subject to following terms and conditions:-

1. The Firm shall enter into legal agreement with the department in this respect.
2. The Executive Engineer I&PH Division Suni and IPH Division Matiana shall be the sole adjudicator of any dispute arising during construction as well as subsequently and his decision shall be binding on all the parties.
3. In case there is any scarcity of water due to drought or any reason, the requirement of department shall have precedence over the requirement of his Hydro Electric project.
4. The firm shall ensure adequate minimum environment flow in river below the diversion site to take care of aquatic life and ecology of the area. However the minimum flow shall not be less than 25% of the available discharge at any time in the river.
5. The firm shall rehabilitate / repair/ compensate for the I&PH assets/ water resource as well as private Kuhals / Irrigation scheme / Water supply Schemes in case these are damaged or adversely affected due to construction of the project.
6. Additional requirement of water of the department in future in addition to the project demand will prevail over the requirement of the firm.
7. In addition to I&PH department requirement's the firm will also satisfy the requirement of private users, if any.

1111/6-8-18  
Emvt-980  
18/08/18

S.M.N.

15/8/18

Handwritten signature

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

- 8. Housing developers / builders in rural areas applying to the department will not be granted water from our existing schemes unless the scheme has sufficient water and the Gram sabhas of concerned gram panchayats pass resolutions approving same.
- 9. Permission to make alternative arrangements will be given subject to the condition that the arrangement will not affects adversely or impact on existing water supply source being used by the IPH Department or other users. It will be located at a reasonable distance from an existing ground water source and downstream of any existing surface water source. It will also require approval of gram Sabha of concerned Gram Panchayats.
- 10. The NOC and permission to make alternative arrangements shall be granted by local IPH Executive Engineer, concerned withdrawn.
- 11. In the event of violation of the aforesaid terms and condition of the NOC by the firms the NOC shall be treated as cancelled.

  
 Superintending Engineer  
 I&PH Circle Shimla-9

Copy to the Engineer-in Chief, IPH Department, U.S Club, Shimla-1 for information please.

Copy to the Chief Engineer, (SZ) IPH Department, Shimla-1 w.r.t. his letter No-3929-30 dated 14-07-2018 for information please.

Copy to the Executive Engineer, IPH Shimla Rural Division at Sunni w.r.t. his office letter No-2570-72 dated 28-07-2018 for information and necessary action. He is direct to submit detail of assests to be effected during construction/ after completion of the above project.

Copy to the Executive Engineer, IPH Division Matiana w.r.t. his office letter referred for information and necessary action. He is direct to submit detail of assests to be effected during construction/ after completion of the above project.

  
 Superintending Engineer  
 I&PH Circle Shimla-9

  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**



No. FSH-F (2)-39-148/2017-ARC-Sunni Dam Project- 6277  
 Directorate of Fisheries,  
 Himachal Pradesh.

235

From The Director-cum-Warden of Fisheries, 14/6/2018  
 Himachal Pradesh.

To ✓  
 Sri Vikas Mahajan,  
 Dy. General Manager  
 Lohri Hydro Electric Project, (SJVNI)  
 Bithal, P.O.-Samathala, Tehsil-Kumarsain,  
 District-Shimla (HP)-172030.

Dated Bilaspur-174001 the,

Subject:- NOC for Sunni Dam Project 373 MW in Shimla Distt.

Sir,

I invite a reference of your letter No. SJVN/Sunni Dam HEP/  
 Env/NOC/Fisheries/2018-1309-10 dated 22.02.2018 regarding subject cited above.

Keeping in view the approval of the State Govt., accorded vide letter No. Fish-  
 A(4)-7/2015-II, dated 14.06.2018 to issue a conditional NOC in favour of captioned HEP and requisite  
 undertaking/affidavit furnished by you for the disposal of Silt/Muck and Sustenance of Aquatic fauna as  
 well as for releasing the payment of Rs. 186.50 Lac (Rupees One Crore Eighty Six Lac and Fifty Thousand)  
 only as proposed in the project proposal for mitigation of Fisheries losses, the Department of Fisheries,  
 Himachal Pradesh has no objection if the project is started at the site subject to fulfillment of above  
 conditions, otherwise, NOC of the Department will be presumed Null and void.

This may be treated as NO OBJECTION CERTIFICATE.

Yours faithfully,

(Satpal Mehta)

Director-cum-Warden of Fisheries,  
 Himachal Pradesh, Bilaspur.

E-mail: Fisheries.bil@nic.in  
 Tel/Fax: 01978-224068

Enclt No. As above-

Dated:-

Copy forwarded for favour of information to:-

1. The Principal Secretary (Fisheries) to the Govt. of H.P., Shimla-2.
2. The Director, Directorate of Energy, Govt. of H.P., Shanti Bhawan, New Shimla-9.
3. The Deputy Commissioner, Shimla, Distt Shimla (HP).
4. The Chief Engineer (P&M) HPSEB, Vidyut Bhawan, Shimla-4.
5. The Assistant Director of Fisheries, Shimla, Distt. Shimla (H.P.)
6. Incharge, Web Cell, Directorate of Fisheries, H.P. for necessary action.

Er. R.L. Negi  
 Head of Project  
 SJVN, LHEP, Bithal

(Satpal Mehta)

Director-cum-Warden of Fisheries,  
 Himachal Pradesh, Bilaspur.

E-mail: Fisheries.bil@nic.in  
 Tel/Fax: 01978-224068

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

Envt-915  
 20/6/18

Envt (Envt)  
 20/6/18

Envt

Envt

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Envt



**एसजेवीएन लिमिटेड**  
 (भारत सरकार एवं विद्युत विभाग द्वारा नियंत्रित एवं सहायित)  
 मिनी रत्न एवं अनुसूची 'ए' की एक यू.  
**SJVN LIMITED**  
 A Joint Venture of Govt. of India & Govt. of Himachal Pradesh  
 A Mini Ratna & Schedule 'A' P.S.U.  
 C.No. 1067014P-TS&G-001028405



No. SJVN/CMD-35/1601

Dated: 04/10/2017

To  
 The Principal Chief Conservation of Forests,  
 Himachal Pradesh Forest Department,  
 Talland,  
 Shimla-171001

Subject: Declaration of authorized signatory for diversion of forest land of Luhri Hydro Electric Project Stage-I (210 MW), LHEP Stage-II and Sunni Dam Project.

Sir,

SJVN Ltd. is in process of development of Luhri Hydro Electric Project Stage-I of 210 MW at Nirath in Tehsil Rampur, Luhri HEP Stage-II near village Nanj and Sunni Dam Project near village Khaira in Himachal Pradesh. For the purpose of processing proposal for diversion of forest land for these projects, Sh. R.L. Negi, HoP is hereby authorized to sign all the relevant papers/documents/undertakings etc. for Luhri Hydro Electric Project Stage-I (210 MW), LHEP Stage-II and Sunni Dam Project.

Thanking you,

Your sincerely

R.N. Misra  
 Head of Project  
 SJVN, LHEP, Bithal

(R.N. Misra)  
 Chairman & Managing Director  
 DIN: 03109225

H.E.P. 01701/1  
 4361  
 12/11/17  
 HoP  
 Chief of Project (LHEP) / (Sunni)

SUNNI (LHEP)  
 Dy. Mgr (LHEP)  
 Dy. Mgr (Sunni)  
 for information to:

1. The Nodal Officer-cum CCF, C&P/O/P, CEF, HP (HoFF), District Shimla (H.P.)
2. The chief conservator of Forests, Rampur Forest Circle, Rampur Busher, District Shimla (H.P.)
3. HOP (LHEP), Bithal for information pl.

Head of Project  
 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

**DIRECTORATE OF ENERGY  
GOVERNMENT OF HIMACHAL PRADESH**  
**SHANTI BHAWAN, PHASE-III, SECTOR-6, NEW SHIMLA-171009**  
 Ph. +91 177 2673552, FAX +91 177 2673553, e mail: [energy@hp.gov.in](mailto:energy@hp.gov.in)  
 No. HPDOE/CE/energy/Jaisi HEP/2017-11213-215 Dated: 23/01/2017

To: The Chairman-cum-Managing Director,  
 SJVN Ltd., Corporate Office Complex,  
 Shimana, Shimla-171006

Subject: Allotment of Jaisi HEP (528 MW) to Sarda Jal Vidyut Nigam Limited - Letter of Allotment thereof.

Sr, The Government of HP in CMM held on 04.01.2017 after considering your request has decided to allocate Jaisi Dam project (528 MW) renamed as Sunni Dam Project (528 MW) in favour of SJVNL subject to the fulfillment of the following terms & conditions:-

1. Memorandum of Understanding (MoU) for implementation of Sunni Dam Project be signed within two months.
2. A Special Purpose Vehicle (SPV) for execution of Sunni Dam Project be incorporated within 6 months after signing of MoU and an Implementation Agreement be executed.
3. Optimization of potential be ensured as per the proposal envisaged by HP Power Corporation for 528 MW. The brief Project Profile comprising Safety Features, Location Map & General Layout of the project is enclosed as Annex-A.

You are therefore, requested to take further necessary action accordingly please.

Yours faithfully,

*[Signature]*  
 Director,  
 Directorate of Energy, GoHP

DA: As above

Copy to:

1. The Additional Chief Secretary (MPP & Power), to the GoHP, Shimla-171001 for your information in compliance to the decision of the Government vide your kind office letter no. MP-PI(2)-4/2016 dated 12.01.2017.
2. The Managing Director, HPPCL, Shanti Bhawan, Parjiti, Shimla-171005, it is intimated that the LoA for allocation of Jaisi Dam HEP (528 MW) issued vide DoE letter no. 2305-07 dated 10.06.2016 stands withdrawn and the allotment made in favour of HPPCL is hereby cancelled.

*[Signature]*  
 Director,  
 Directorate of Energy, GoHP

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*  
 Head of Project  
 SJVN, LHEP, Bithal

*[Handwritten signature]*

**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

JOINT INSPECTION REPORT OF SUNNI DAM HEP

For Diversion of Forest Land under Shimla Forest Division

Joint Inspection of the forest land *under Shimla Forest Division* proposed to be diverted for the development of **Sunni Dam HEP** in District Shimla (H.P.) was carried out on 12/09/2019.

The user Agency has proposed the Project to be taken up for implementation near Khaira and falls in district Shimla and Mandi of Himachal Pradesh as a run-of-the River project on River Satluj. The project envisages construction of a  $\pm 71$  m (above River Bed) high concrete gravity dam near Khaira, River diversion Tunnel  $\pm 642$ m long on left Bank, intake structure comprising of three (03) no. intakes & three (03) no. of pressure Shafts further bifurcated into six (06). An underground power house on the right bank with 6 Nos. of Francis Turbines has been proposed with installed capacity of 382 MW having Main units of 4 x 73 MW and Auxillary units of 1x73MW+1x17MW.

The project is estimated to cost **2555.71 Cr.** including IDC and financing charges at June, 2019 price level. The Annual energy of the project calculated as 1381.77 GWh. The tariffs for the project are as below: 1st year Tariff 4.53/kWh, Levelised Tariff 4.16/kWh. The construction period of the project has been proposed as 4 years & 7 months.

The total forest land finalized for the project is **397-16-92Ha** & falls on left & right banks of River Satluj in District Shimla and District Mandi under Shimla, Kotgarh and Karsog Forest Divisions. The total land identified shall be utilized for various project components i.e. construction of underground Power House, dam, reservoir, diversion tunnel, job facilities, approach roads, bridge etc.

The construction of Dam, Diversion Tunnel, reservoir, Dumping areas, approach roads etc. are located under Shimla Forest Division. The land required under *Shimla Forest Division* comes out to be **159-34-84 ha** (Including 00-68-00 ha. for underground works of Diversion Tunnel on notional basis) out of the total **397-16-92 Ha** of forest land required for the project (including 03-87-45 ha. for underground works of diversion tunnel & Power house on notional basis).

Er. R. D. Negi  
CGM/Head of Project  
SJVN, LHEP, Shimla

Sub-Division Magistrate  
Shimla (Rural)  
AE HEP  
Sant

*[Signature]*  
Magistrate Shimla

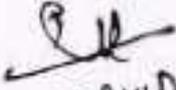
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Supt. Forest

*[Signature]*  
Supt. Forest

*[Signature]*  
Supt. Forest

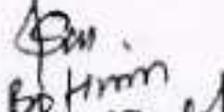
There is no scope of avoidance of forest land and diversion of 159-34-84 ha (including 00-68-00 ha for underground works of Diversion Tunnel on notional basis) of forest land under Shimla Forest Division is the barest minimum and cannot be escaped.

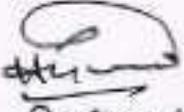
The Joint Inspection committee therefore recommends that 159-34-84 ha (including 00-68-00 Ha. for underground works of Diversion Tunnel on notional basis) of forest land as per check list No.6 (enclosed as Annexure-1) may be diverted under section 2 of the Forest Conservation Act 1980.

  
AE HPPWD  
Sanni

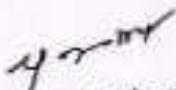
  
Tehsildar  
Sanni

  
A2 (S)  
HASEBL

  
Bathinda  
Forest Deptt

  
20/8/11

  
Divisional Forest Officer  
Shimla Forest Division  
SHIMLA

  
Sub-Division Magistrate  
Shimla (Rural)



  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



## JOINT INSPECTION REPORT OF SUNNI DAM HEP

### Diversion of Forest Land under Kotgarh Forest Division

Joint Inspection of the forest land *under Kotgarh Forest Division* proposed to be diverted for the development of **Sunni Dam HEP** in District Shimla (H.P.) has been carried out on 17/05/2018.

The user Agency has proposed the Project to be taken up for implementation near Khaira and falls in district Shimla and Mandi of Himachal Pradesh as a run-of-the River project on River Satluj. The project envisages construction of a  $\pm 71$  m (above River Bed) high concrete gravity dam near Khaira, River diversion Tunnel 680m long on left Bank, intake structure comprising of three (03) no. intakes & three (03) no. of pressure Shafts further bifurcated into six (06). An underground power house on the right bank with 6 Nos. of Francis Turbines has been proposed with installed capacity of 373 MW having Main units of  $4 \times 71$  MW and Auxillary units of  $1 \times 71$  MW +  $1 \times 18$  MW.

The project is estimated to cost **2911.85 Cr.** including IDC and financing charges at March, 2017 price level. The Annual energy of the project calculated as 1369.05 GWh. The tariffs for the project are as below: 1st year Tariff 5.40/kWh, Levelised Tariff 5.07/kWh. The construction period of the project has been proposed as 5 years.

The total forest land finalized for the project is **391-06-95Ha** & falls on left & right banks of River Satluj in District Shimla and District Mandi under Shimla, Kotgarh and Karsog Forest Divisions. The total land identified shall be utilized for various project components i.e. construction of underground Power House, dam, reservoir, diversion tunnel, job facilities, approach roads, bridge etc.

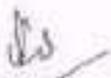
Some area of the reservoir of the Project is located under Kotgarh Forest Division. The land required under **SDM, Kumarsain sub-division** (in *Kotgarh Forest Division*) comes out to be **37-38-59 Ha** out of the **total 391-06-95 ha** of forest land required for the **Project** (including 03-87-45 Ha. for underground works of diversion tunnel & Power House on notional basis).

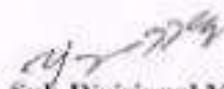
  
 Divisional Forest Officer  
 Kotgarh Forest Division, H.P.  


  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

There is no scope of avoidance of forest land and diversion of 37-38-59 Ha of forest land under SDM, Kumarsain sub-division (in Kotgarh Forest Division) is the barest minimum and cannot be escaped.

The Joint Inspection committee therefore recommends that 37-38-59 ha of forest land (in Kotgarh Forest Division) as per check list No.6 (enclosed as Annexure-1) may be diverted under section 2 of the Forest Conservation Act 1980.

  
Divisional Forest Officer  
Kotgarh Forest Division  
Kotgarh, District Shimla (H.P.)  
Kotgarh Forest Division, H.P.

  
Sub-Divisional Magistrate  
Kumarsain, District Shimla  
(H.P.)  
KUMARSAIN, DISTRICT SHIMLA





  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

**JOINT INSPECTION REPORT OF SUNNI DAM HEP**

**For Diversion of Forest Land under Karsog Forest Division**

Joint Inspection of the forest land *under Karsog Forest Division* proposed to be diverted for the development of **Sunni Dam HEP** in District Shimla (H.P.) was carried out on 21/09/2019.

The user Agency has proposed the Project to be taken up for implementation near Khaira and falls in district Shimla and Mandi of Himachal Pradesh as a run-of-the River project on River Satluj. The project envisages construction of a ±71 m (above River Bed) high concrete gravity dam near Khaira, River diversion Tunnel ±642m long on left Bank, intake structure comprising of three (03) no. intakes & three (03) no. of pressure Shafts further bifurcated into six (06). An underground power house on the right bank with 6 Nos. of Francis Turbines has been proposed with installed capacity of 382 MW having Main units of 4 x 73 MW and Auxillary units of 1x73MW+1x17MW.

The project is estimated to cost 2555.71 Cr. including IDC and financing charges at June, 2019 price level. The Annual energy of the project calculated as 1381.77 GWh. The tariffs for the project are as below: 1st year Tariff 4.53/kWh, Levelised Tariff 4.16/kWh. The construction period of the project has been proposed as 4 years & 7 months.

The total forest land finalized for the project is 397-16-92Ha & falls on left & right banks of River Satluj in District Shimla and District Mandi under Shimla, Kotgarh and Karsog Forest Divisions. The total land identified shall be utilized for various project components i.e. construction of underground Power House, dam, reservoir, diversion tunnel, job facilities, approach roads, bridge etc.

The construction of Dam, underground Power House, reservoir, approach roads etc. are located under Karsog Forest Division. The land required under *Karsog Forest Division* is proposed to be 200-43-49 ha (Including 03-19-45 ha. for underground works of Power House & Tunnel on notional basis) out of the total 397-16-92 Ha of forest land required for the project (including 03-87-45 ha. for underground works of diversion tunnel & Power House on notional basis).

Er. R.L. Nogi  
CGM/Head of Project  
SJVN, LHEP, Rihial

Mohan Singh. R.K. Baghel

R.P.Soni

Rajendra Singh

Sph. Divisional Officer (Ch. II)  
Mandi (HP)

Divisional Forest Officer

DFO Karsog

There is no scope of avoidance of forest land and diversion of 200-43-49 ha (including 03-19-45 ha. for underground works of Power House Tunnel on notional basis) of forest land under *Karsog Forest Division* is the barest minimum and cannot be escaped.

The Joint Inspection committee therefore recommends that 200-43-49 ha (including 03-19-45 ha. for underground works of Power House Tunnel on notional basis) of forest land as per check list No.7 (enclosed as Annexure-1) may be diverted under section 2 of the Forest Conservation Act 1980.

(1) Mohan Singh.  
FIC. Bagshad.  
Foh. Karsog.  
CCS

*[Signature]*

*[Signature]*  
R.A. Sen

*[Signature]*  
A.S. Pajant

*[Signature]*  
A.S. Kang

*[Signature]*  
Notional Forest Officer  
Karsog Forest Division, Karsog

*[Signature]*  
Sub-Divisional Officer (Civil)  
Karsog, Dist. Mandi (HP)

*[Signature]*

*[Signature]*

Er. R. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

ATTENDANCE SHEET

JOINT INSPECTION OF SUNNI DAM HEP (Karsog Forest Division)

Diversion of Forest Land under Karsog Forest Division

Joint Inspection of the forest land under Karsog Forest Division proposed to be diverted for the development of **Sunni Dam HEP** in District Mandi (H.P.) has been carried out on 21/09/2019.

The following Officers have attended the Joint Inspection:

Sr. No.	Name & Designation	Department	Mobile No.	Signature
1	SDM, Karsog	Revenue	8988/65780	[Signature]
2	Gurdeep Ram R.F. Asst	Forest Dept	98170 90207	[Signature]
3	Hira Lal RFO, Pangora	-do-	94181-90052	[Signature]
4	Dharam Lal. Fgd. Karsog	-do-	9817276908	[Signature]
5	Kab. Das Fgd. of B. K. Talichan	-do-	9805474587	[Signature]
6	Suchant Thakur Fgd. of Mahantpur Talichan	-do-	9817776777	[Signature]
7	Narash Kumar Fgd. of Talichan Talichan	-do-	98170-30274	[Signature]
8	Mohan Singh Fgd. of Karsog	Revenue	98160 93698	[Signature]
9	Kishor Lal RFO, Pangora	Revenue	94185-80781	[Signature]
10	Mor Dharam Singh Fgd. of Talichan	-do-	94182-53757	[Signature]
11	Meero Singh Fgd. of Talichan	W.R.O. Mahantpur	82195 50260	[Signature]
		Er. Raj Negi		
		CGM/Head of Project		
		SJVN, IHEP, Bithal		

11/09/2019  
128  
24/09/19

**FORM - A**

Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act, 1980 for  
Diversion of fresh forest area

**PART - I**

(To be filled up by User Agency)

**A. General Details****A-1. Project Details**

(i). Proposal No. : FP/HP/HYD/31019/2017

(ii). Name of Project for which Forest Land is required : Sunni Dam Project

(iii). Short narrative of the proposal and Project/scheme for which the forest land is required :  
Sunni Dam Hydro Electric Project is a run of the river type development proposed to harness the hydel  
potential of river Sattu]. The project envisages construction of a concrete gravity dam of ±95 m high  
above deepest foundation level across river Sattu] near Khafra village and underground power hou

(iv). State : Himachal Pradesh

(v). Category of the Project : Hydel

(vi). Shape of forest land proposed to be diverted : Non Linear

(vii). Estimated cost of the Project(Rupres In lacs) : 255571

(viii). Total Area of Forest Land proposed for diversion(In ha.) : 397.8863

(ix). Non-Forest Land required for this project(In ha.) : 67.4042

(x). Total period for which the forest land is proposed to be diverted(In years): 50

**A-2. Details of User Agency**

(i). Name : SJVN LIMITED

(ii). Address1 : Sunni Dam Hydro Electric Project, SJVN Ltd., Bithel, Shimla

(iii). Address2 : NIL

(iv). State : Himachal Pradesh

(v). District : Shimla

(vi). Pin : 172030

*Handwritten signature*

*Handwritten signature*  
 Jointly Held  
 Board of Project  
 SJVN, LREP, Bithel

(viii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency:

### B. Details of land required for the Project

- B-1. Details of proposal seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

List of proposal submitted in Past							
S.No	Proposal Status	Proposal No.	Moef File No.	Area Proposed for Diversion(Ha.)	Area Diverted(Ha.)	Date of In-Principle Approval	Date of Final Approval
NIL							

- B-2. Details of forest land proposed to be diverted

#### B-2.1 Details of Divisions involved

Details of Divisions involved			
S.No	Division Name	Forest Land(Ha.)	Non-Forest Land(Ha.)
1.	Srimmishraha	159.3484	48.4004
2.	Koogah	37.3859	1.1043
3.	Carsoo	201.152	11.8975

#### B-2.2 Details of Districts involved

District wise breakup			
S.No	District Name	Forest Land(Ha.)	Non-Forest Land(Ha.)
1.	Shimla	196.7343	45.5067
2.	Mandi	201.152	11.8975

#### B-2.3 Village wise breakup

Villages wise Breakup			
S.No	Village	Forest Land(Ha.)	Non-Forest Land(Ha.)
1	Jarsh	18.2007	3.7634
2	Bharava	17.5203	6.1109
3	Khakra	31.8588	9.9685
4	Underground/ National in Khakra	0.68	0
5	Lumpa	4.5576	3.1672
6	Nuapana	0	3.2583
7	Berhaum	7.2771	3.8662
8	Pandoyo	15.0423	0.4448
9	Gehara	6.5505	0.6941
10	Talsh	23.5863	3.2225
11	Ogl	22.1604	4.7889
12	Kothi	6.3146	0.5522

6.	2.0605	 <a href="#">View File</a>
7.	0.40	 <a href="#">View File</a>

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 

#### Division 2. : Kargah

(i). Area of forest land proposed to be diverted (in ha.) : 37.3859

(ii). : Non Linear

(a). No. of patches : One

Patch wise details		
Patch No.	Area of Patch (in ha.)	Kml File of Patches
1.	37.3859	 <a href="#">View File</a>

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 

#### Division 3. : Karsog

(i). Area of forest land proposed to be diverted (in ha.) : 201.192

(ii). : Non Linear

(a). No. of patches : Four

Patch wise details		
Patch No.	Area of Patch (in ha.)	Kml File of Patches
1.	20.698	 <a href="#">View File</a>
2.	3.1945	 <a href="#">View File</a>
3.	168.2505	 <a href="#">View File</a>
4.	9	 <a href="#">View File</a>

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 

*Handwritten signature*

- (i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No

J. Applicability of special provisions governing Scheduled Areas

- (i). Whether the Project or a part thereof is located in a Scheduled Area? : No

K. Status of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted

- (i). Whether the process for settlement of Rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted has been completed? : Yes

- (a). Copy of documentary evidence in support of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted: -

L. Details of land identified for Compensatory Afforestation

- (i). Whether non-forest or Revenue forest land is required to be provided by User Agency? : Not Applicable

- (ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted? : Not Applicable

- (iii). Reason for not providing Non-Forest Land: Not Applicable

M. Hydel/Irrigation/Multipurpose Project

- (i). Installed power generation capacity of the Project (in MW): 302

- (ii). Total command area of the Project (in ha.): 459,2905

- (a). Copy of the approval of competent authority to the Catchment Area Treatment Plan (CAT Plan): -

- (b). Copy of the approved CAT plan: -

Additional Information Details

Documents		
S.No	Documents	Remarks
1		Forwarding letter in Mode Officer regarding observation raised on 02.01.2018
2		ROCs regarding Compensatory afforestation
3		NOCs regarding non

*Signature*

*Signature*  
 In-charge of Project  
 GVN, LREP, Bihel

Himachal Pradesh  
Public Works Department

No. SE-IV-R-NOC/17-  
To

19996-99

Dated:- 29/08/2018

The Chief Manager (Env.),  
Sunni Dam Project, SJVNL Ltd. Bithal,  
Vill. Rewali P.O. Shamathla Tehsil Kumarsain,  
Distt. Shimla, H.P. 172030

Subject:- No objection certificate for Sunni Dam Project (373 MW).

Reference:- Your office letter No. SJVN/Sunni Dam/Env/FCA-Vol-I/2017-955-957 dated 19.09.2017 and No. 1094-96 dated 22.11.2017.

Reference is invited to your office letter dated 19.09.2017 and 22.11.2017 cited above on the mentioned subject vide which NOC for construction of Sunni Hydro Electric Project (373 mtr.) has been desired. The detailed report/NOC in this regard has been submitted by Executive Engineer Shimla Rural Division Dhumi HP.PWD, Dhumi vide his letter No.PW-SRDD-WA-NOC/2018-20162-64 dated 01.01.2018. The site was also inspected by the undersigned along-with Sh. Pradeep Ravat Manager (Civil) SJVNL Ltd and Sh. Jitender Dutt Assistant Engineer, Sunni Sub-Division, HPPWD Sunni on dated 23.03.2018 to assess the effect of the said project on PWD infrastructure i.e Roads/Buildings/ Bridges and pedestrian crossings etc. which at present are facilitating the movement of people, animals and materials etc. across Satluj river and are connecting Shimla District with Mandi District under 4<sup>th</sup> Circle, HPPWD Shimla (Sunni Sub-Division and Jalog Sub-Division under Shimla Rural Division Dhumi). The NOC for construction of Sunni Dam project which has already been approved by Govt. of H.P. is issued subject to the following terms and conditions.

- I. There is a proposal for construction of 95 mtr. High concrete gravity dam with FRL of 712 mtr. at Khaira over Satluj basin having a Reservoir length of 18.00 km (approx.) as per the project details submitted by the SJVN Ltd. This will cause submergence of various public utilities in the area which are presently being run/maintained by this department like roads, bridges and their approach roads along-with pedestrian rope ways (Jhullas) over Satluj as well as proposed jeepable/motorable bridges over Satluj basin to facilitate link for both river banks in larger public interest falling under the jurisdiction of this Circle. The detail of few of the structures which are being affected is as under:-
    - (i) R.C.C pre-stressed bridge of 63.00 mtrs. span over river Satluj along-with approach roads at village Parlog connecting the Shimla and Mandi Districts is likely to be submerged in the reservoir of the project.
    - (ii) There is a proposal of construction of Suspension bridge of jeepable standard at village Pandoa over Satluj River of 90.00 mtr span for which tenders have been invited, however work was not awarded in view of the proposed construction of Sunni Dam Project. Since the FRL of the proposed Sunni Dam Project is 712 Mtr. therefore, this suspension bridge will have to be shifted to alternate location with increase span, which will increase the cost of the proposed bridge.
- The pedestrian Jhullas which are likely to be affected by the project are situated over river Satluj at village Jassi, Bharara, Ogli Pandoa and Jhunjhun. The shifting of these utilities/structures shall involve more span, more cost which shall also have to be shifted.

Er. B.L. Negi  
Head of Project  
SJVNL, LHEP, Bithal

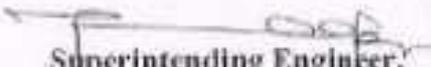
Er. R.L. Negi  
CGM/Head of Project  
SJVNL, LHEP, Bithal

Mean discuss  
PPM-31  
6-4-18  
Bharam  
Jhunjhun  
Jassi  
Ogli Pandoa  
Bharara

255

The SJVN Ltd. Shall remain liable for their alternate replacement/shift at their own cost or liable to bear the cost of re-construction as per the specification of the PWD on the basis of the estimate to be furnished by PWD. It shall be appropriate in the larger public interest if such likely submergence of these various public utilities/structures are well defined and level marked at those sites well in advance during planning stage along with alternates to be provided by the SJVN Ltd.

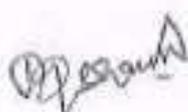
2. That there should not be any damage to the existing PWD road infrastructure falling under the jurisdiction of Sunni Sub-Division and Jalog Sub Division during planning, execution and post execution stage i.e. operational stage of the project by SJVN Ltd. Due to increase in reservoir level beyond the location of the proposed Dam structure over the Satluj basin towards Rampur side for a length of 18 Kms (approx.) the existing PWD road infrastructure at various locations/reaches shall be under the threat of scouring where strata is loose and sandy which may result in the collapse of existing road infrastructure and may cause huge inconvenience to the public. Such event has recently been seen during the operational stage of Kol Dam project where the increased reservoir level has damaged the existing Shimla Mandi road near Tattapani. The SJVN Ltd shall remain liable for its prompt restoration to its original condition including alternate routes where required and bear the cost of reconstruction/restoration on the basis of the estimate to be furnished by PWD.
3. That all debris/Malba shall have to be disposed off at approved dumping sites and no debris/malba shall be disposed off on the existing PWD road infrastructure falling under the jurisdiction of HPPWD Sunni Sub Division and Jalog Sub Division.
4. That in case any damages is caused to the PWD roads/ structures due to construction of the project, the SJVNL shall be liable to bear the cost of re-construction of damaged road (s)/ structure(s). The restoration cost shall have to be deposited by SJVNL before the start of the work. That during all stages of the project as referred above, there should be no hindrance to the smooth flow of traffic on the existing PWD roads falling within the project area.
5. This NOC pertains to the area falling under the jurisdiction of this Circle. The NOC of the area falling under different Circle/ Divisions of HP.PWD may be taken separately.
6. If during the operation of hydro project any damage to roads infrastructure occurs same shall be restored by SJVNL or cost of restoration deposited with HPPWD.

  
Superintending Engineer,  
4<sup>th</sup> Circle, HP.PWD., Shimla.

Copy to Engineer-in-Chief, HPPWD Shimla for information with reference to his office letter No.PW @ NOC-4<sup>th</sup> circle/WS-2017-7876-77 dated 13.10.2017.

Copy to the Chief Engineer (SZ), HP.PWD., Shimla-2 for information please.

Copy to Executive Engineer, Shimla Rural Division Dhamsi HP.PWD., Dhamsi for information w.r.t his letter No.PW-SRDD-WA-NOC/2018-20162-64 dated 01.0.1.2018.







Er. R.L. Negi  
Head of Project  
SJVN, LHEP, Bithal



  
Superintending Engineer,  
4<sup>th</sup> Circle, HP.PWD., Shimla.

  
Er. R.L. Negi  
COM/Head of Project  
SJVN, LHEP, Bithal

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

42 P.W. 453-W-452-N.O.C.-SJVN/2018-12021-23

Date: 21/3/18

The Dy. General Manager (Env.)  
Suna Dam Project,  
SJVN LHP, Bithal P.O. Shantiniketa, Tehsil Kumarsain,  
Distt. Shimla, Himachal Pradesh

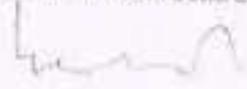
Subject:- NOC for Suna Dam Hydro-Electric Project (373 MW)

Reference:- Your office letter even no. SJVN/SDHEP/Env-PCA/2017-194-668 dated 19.09.2017 and 1080-87 dated 22.11.2017.

In that connection, it is submitted that the joint inspection has been carried out by the Assistant Engineer Churag Sub-Division HPPWD Churag and Officer/ officials of the SJVN Ltd. on date Nov. 17, 2017 with prime objective of ensuring that what kind of structures / schemes are being affected by the above said project. Hence the NOC is given on the following conditions:-

1. That in case any damage is caused to the PWD road/ Structures due to construction of work, the firm shall be liable to bear the cost of re-construction of damaged roads/ structure (s). Further the road should be restored.
2. That in case any new road structures are constructed by HPPWD before the construction of the project in question, no damages shall be caused by above firm to these assets of the department, and in case of any damage the said firm shall be liable to bear all cost of re-construction.
3. Road to obstruction should be cleared for the smooth plying of vehicular traffic at the time of execution of work and prior intimation may be given to the department before the start of execution of work.
4. The relocation cost should have to be deposited by the firm before the start of the work for which intimation is to be submitted.
5. If the road/bridge is submerged due to construction of Dam, in that case the Suna Dam Project shall have to construct alternate road and bridge as per HPPWD specification before the start of Dam construction work, so that the people of that area may not suffer.
6. If during the operation of the Hydro Project any damage to road infrastructure occurs, then the NOC will be withdrawn.

DA:NR

  
Executive Engineer,  
Karsog Division,  
HPPWD, Karsog

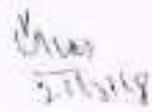
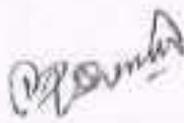
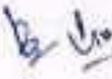
Copy to the Superintending Engineer, 1<sup>st</sup> Circle HPPWD Mandi w.r.t. his letter no. 45/W-26-NOC/2018-25134-35 dated 13.03.2018 for information please.  
Copy forwarded to Assistant Engineer Churag Sub-Division HPPWD Churag w.r.t. his letter no. 1183 dated 14.12.2017 for information and necessary action accordingly.

Envt-801  
21/03/18  
1570  
21.03.18

  
Er. R.L. Negi  
Head of Project  
SJVN, LHP, Bithal

Executive Engineer,  
Karsog Division,  
HPPWD, Karsog

  
S. Singh (Env.)  
  
M. Prasad  
21/3/18

  
M. Prasad  
21/3/18  
  
P. Sharma  
  
M. Singh  
  
B. Singh

  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHP, Bithal



HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

Telephone No: 01782-240075

e-mail: ce-kam-hppwd.in

NO-PW-KMS-WA-NOC/2018-  
To

5594-96 Dated:-

21<sup>3</sup>/<sub>2018</sub>

The Superintending Engineer,  
11<sup>th</sup> Circle, HPPWD,  
Rampur Bsr.

**Subject: -** Regarding issuance of NOC for Sunni Dam Projects (355 MW).

**Reference:-** Your office endorsement No. PW/SE/XI/WS/NOC-KMS/2018-2017-18 dated 17.05.2018.

The NOC case for the subject cited project as received vide your office letter under reference is returned herewith after attending the following observations for taking further necessary action please.

1. The road length are well above the FRL of the project and the plan of private land acquisition/diversion of Forest Land. The FRL of the project reservoir is at EL 712.00 Mtrs and land acquisition/diversion is upto EL 717.00 Mtrs, whereas the lowest point of the PWD road in question is above EL 715.41 Mtrs at all places.
2. The formation level of the road has been marked in the counter site plan attached.
3. Since the road is not involved in the above project, therefore, the same has not been marked separately in the counter plan. However, the same has now been marked with distinct colour.
4. The application of client department regarding request for NOC has been attached.
5. The Typical Cross section of the road showing the road formation level has been attached.
6. Since the PWD road is not involved in the above project, Therefore, the area of land with Khasta No is not required.
7. The undertaking from the client department is attached.

It is also intimated that the Slapper Tattapani Sunni Luri road has been declared N.H. (in principle). Hence the NOC from the N.H authority may also be sought. The SJVN has also been directed to procure the NOC from N.H authority. The FRL level of the project reservoir is at F.L. 712.00 Mtrs and land Acquisition/Diversion of upto E/L 717.00 Mtrs. Whereas the lowest point of the PWD road is above 715.41 Mtrs. Therefore, it seems that the PWD road in question also falls in the of Land Acquisition process. The SJVN Ltd. has given

PPM 338  
22-8-18  
C.M.S. (G.M.)  
M.J. (P.D.M.)  
25/8/18

Er. R.L. Negi  
COM/Head of Project  
SJVN, LHEP, Bithal

undertaking that any damage to the PWD road surface will be restored by them at their own cost and if required the SJVN will deposit the amount with this department for the restoration of PWD road coming in the alignment of proposed Dam. Hence the NOC case is hereby recommended for approval on the basis of the undertaking given by the SJVN Ltd please.

Encl:- NOC Case File.

Yours faithfully,

Executive Engineer,  
Kumarsain Division,  
HPPWD, Kumarsain

Copy to the Assistant Engineer, Baragaon Sub-Division, HPPWD, Baragaon w.r.t his letter No.PW-BSD-NOC/2018-646-47 dated 10.08.2018.

Copy to the AGM (Civil), S&I, LHEP Bithal, Distt. Shimla H.P. w.r.to his letter No.SJVN/LHEP/S&I/W-49/18-243 dated 17.07.2018 for information.

Executive Engineer,  
Kumarsain Division,  
HPPWD, Kumarsain

30(P) Retain a copy  
Original to be forwarded to AGM (E)  
22/8/18  
R.L. Negi

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

No. WL (Misc.)-60/HEPs Vol-III/ 5219  
Himachal Pradesh Forest Department

From:

Principal Chief Conservator of Forests,  
(Wildlife)-cum-Chief Wildlife Warden,  
Himachal Pradesh, Shimla-171001,

To

The Dy. General Manager (Env.),  
Sunni Dam Project,  
SJVN Ltd., Bithal,  
Vill. Rewali, P.O. Shamathla,  
Teh. Kumarsain, Distt. Shimla,  
(H.P.)- 172030

Dated Shimla-171001, the 06-01-2018

Subject:

NOC for Sunni Dam Project.

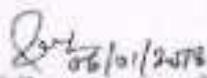
Sir,

Kindly refer to your office letter No.SJVN/Sunni Dam/Env/FCA-Vol  
1/2017-2486 dated 08.09.2017 and No.SJVN/SDHEP/Env-FCA/2017-1093 dated  
22.11.2017 on the subject cited above.

2 As per field report and the recommendation of CCF (WL) South  
Shimla, the area proposed for setting up the project does not fall within the boundary  
of Majathal Wildlife Sanctuary and is located at a distance of 15.5 km from the  
boundary of Majathal Wildlife Sanctuary. Hence necessary "No Objection  
Certificate" (NOC) from the Wildlife point of view is hereby issued in your favour for  
the construction of Sunni Dam Project (373 MW).

Yours faithfully,

  
Er. R. L. Negi  
Head of Project  
SJVN, LHEP, Bithal

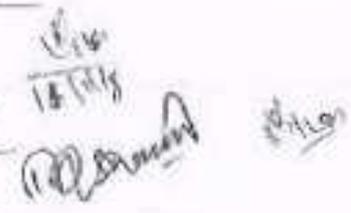
  
Principal Chief Conservator of Forests,  
(Wildlife-cum-CWLW, HP Shimla.

Encls. No. WL (Misc.)-60/HEPs/Vol III/ \_\_\_\_\_ Dated \_\_\_\_\_

Copy to CCF WL Circle (S) Shimla w.r.t. his Memo. No. M-47/4481  
dated 28.12.2017 for information please.

S.M.G. (Env)

Principal Chief Conservator of Forests,  
(Wildlife-cum-CWLW, HP Shimla.

Envt Dept-130  
12-1-18  


  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

29/1/18

No. Bhasani-1/2015-Pura Vividh-596  
 Department of Language & Culture, H.P.  
 Sanskriti Bhawan, B-39, SDA Complex,  
 Kasumpti- Shimla-171009

To

The Asstt. General Manager,  
 Luhri Hydroelectric Project,  
 Bithal, P.O. Shamathla, Tehsil Kumarsain,  
 District Shimla-172030

Subject: Issuance of NOC

Sir,

Kindly refer to your letter no. SJVN/LHEP/HR/NOC-Sunni HEP/17-2538 dated 27-10-2017 on the subject cited above. The site was inspected with your engineers on 30-12-2017. The desired *No Objection Certificate* regarding heritage property in Sunni Hydro Electric Project site area is enclosed herewith.

Enclosed:-As above- NOC- 1 page

Yours faithfully,



(C L Kashyap)

Archaeological Engineer

Phone:0177-2626614-234.

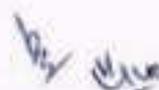
Email: kashyapcl@gmail.com



Er. R.L. Negi

CGM/Head of Project

SJVN, LHEP, Bithal



## NO OBJECTION CERTIFICATE

A reference has come to this office from Satluj Jal Vidut Nigam Limited (SJVNL) vide their letter no. SJVN/LHEP/HR/NOC-Sunni HEP/17-2538 dated 26-10-2017, that the Nigam has assigned the construction of Sunni Hydro Electric Project on River Satluj by the H.P. Govt. The Project Site (Dam, Reservoir & Power House) touches Mandi District on right bank & Shimla on left bank of River Satluj. A stretch of 17 Kilometres along with River Satluj has been inspected on 30-12-2017 from Patakhara to Khaira Village.

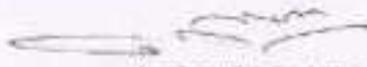
The sites shown to archaeological team are as under:

- 1) Tail end of reservoir Site at Patakhara Village
- 2) Pandoa, Oagli, Parlog, Talah, Bharada Villages along the River Satluj.
- 3) Dam Site at village Khaira.

During inspection it is found that there is no monument of archaeological importance or remains of past in the above shown sites. During the construction of project, if any buried remains, revealed, the same should be brought to the knowledge of this department immediately, for the re-assessment of site. In case of violation of this condition, at any stage, this NO OBJECTION CERTIFICATE shall stand cancelled.

Dated: 18-01-2018

Place: Shimla

  
Archaeological Engineer  
Language & Culture Department  
Himachal Pradesh, Shimla-171 009

Countersigned

  
Director,

Language & Culture Department,  
Himachal Pradesh, Shimla-171 009

**Director Language & Culture  
Himachal Pradesh Shimla**

Archaeological Engineer  
Language & Culture Deptt.  
**H.P. Shimla-171009**



  
**Er. R.L. Negi**  
CGM/Head of Project  
SJVN, LHEP, Bithal



No.MPP(F)10-8/2017  
 Government of Himachal Pradesh  
 Department of MPP & Power

From

The Pr. Secretary(MPP & Power) to the  
 Government of Himachal Pradesh, Shimla-2.

To

The AGM(HR), SJVN Ltd.,  
 Luhri HEP, Bithal,  
 P.O. Shamathla, Teh. Kumarsain,  
 Dist. Shimla-172030.

Dated Shimla-2, the 28-03-2018

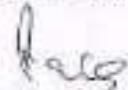
Subject:

Issuance of NOC.

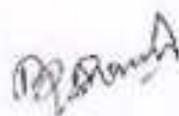
Sir,

I am directed to refer to your letter No. SJVN/LHP/HR/NOC  
 Sumi HEP/17-2807(A) dated 18.11.2017 on the subject cited above and to say that  
 vide letter No.TBD(F)+1/2017-loose dated 13.3.2018 Deputy Secretary(TD) to the  
 GoIP has intimated that Sumi Dam, HEP, including all its components, do not fall  
 in the tribal area. A copy of this letter is enclosed for information and necessary  
 action at you end.

Yours faithfully,

  
 (Dr. Ajay Sharma)  
 Special Secretary (Power) to the  
 Government of Himachal Pradesh  
 Phone No. 2624899







  
 Er. R. L. Negi  
 Head of Project  
 SJVN, LHEP, Bithal

  
 Er. R. L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal



No. TBD (F)4-1/2017-Loose  
Government of Himachal Pradesh  
Tribal Development Department.

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14-03-18  
263  
(41)

From

To Pr. Secretary(TD) to the  
Government of Himachal Pradesh.

To The Special Secretary (Power) to the  
Government of Himachal Pradesh.

Dated: Shimla-2,

13 March 2018.

**Subject:- Issuance of N.O.C.**

Sir,

I am directed to refer to your letter No. MPP(F)10/24/2016, dated 1-1-2018 on the subject cited above and to say that the H.P. Transfer of Land (Regulation) Act, 1968 regulates the transfer of land in the interest of persons belonging to the Scheduled Tribes and for matters connected therewith. The Sunni Dam, Hydro Electric Project including its all components being constructed by SJVN, do not fall in the tribal area, therefore, the H.P. Transfer of Land (Regulation) Act, 1968 does not apply in this case.

Yours faithfully,

Deputy Secretary (TD) to the  
Government of Himachal Pradesh.

\*\*\*\*\*

13/3/18  
S. K. Singh

13-3-18  
Smt. Shikha  
P. Singh

(Signature)

Er. R. L. Negi  
Head of Project  
SJVN, LHEP, Bithal

Er. R. L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

(Signature)



## Annexure I.1

## SALIENT FEATURES OF SUNNI DAM HEP (382MW)

<b>1.0 Location</b>	
State	Himachal Pradesh
District	Shimla & Mandi
River	Satluj
Nearest Village (Dam Site)	Khaira
Rail Head	Kalka (Haryana) 155km
Latitude of Dam Site	31°14'53"N.
Longitude of Dam site	77°12'39"E
<b>2.0 Hydrology</b>	
Catchment Area at Diversion Site	52955 km <sup>2</sup>
90% dependable year	2001-2002
Flood discharge for river diversion	773.00 m <sup>3</sup> /sec
Probable Maximum Flood (PMF)	15473.00 m <sup>3</sup> /sec
<b>3.0 Reservoir</b>	
Full Reservoir Level (FRL)	EL. 712.00 m
Minimum Draw Down Level (MDDL)	EL. 709.50 m
Gross Storage at FRL	82.5 X 10 <sup>6</sup> m <sup>3</sup>
Live Storage at FRL	7.9 X 10 <sup>6</sup> m <sup>3</sup>
Length of Reservoir	20.70 km
Desilting Basin	Reservoir will act as Desilting basin
<b>4.0 Dam</b>	
Type of Dam	Concrete Gravity
Top of the Dam	EL. 715.00 m
Average River Bed Level at Dam Site	EL. 644.00 m
Dam Height above River bed	71.00m



Length of Dam at Top	178.00 m
Top Width of Dam	8.00 m
<b>5.0 Spillway</b>	
Design Flood (PMF)	15473.00 m <sup>3</sup> /sec
Type of Spillway	Combination of Upper Level Spillway (ULS) and Low Level Spillway (LLS) (sluice spillway)
Energy Dissipation System	Stilling Basin
<b>Low Level Spillway (LLS) (Under sluice Spillway)</b>	
Type	Sluice type
No. of Bays	Six (06) (Block No 3 to 8)
Size of opening	8.5 m (W) X 16.0m (H)
Type & No. of gate	Radial, Six (06)
Width of each block	14.5 m
Total length of LLS Blocks	87.00m
Crest Level	EL. 660.00 m
<b>Upper Level Spillway (ULS) (Overflow Spillway)</b>	
Type	Ogee with open crest overflow
No of Bays	One (01) (Block No. 9)
Size	5.0 m (W) X 4.5 m (H)
Type and No of gates	Flap Gate, One (01)
<b>6.0 River Diversion</b>	
River Diversion Discharge (1 in 25 years)	773.00 m <sup>3</sup> /sec
Diversion Scheme	Through Diversion Tunnel (DT) and coffer dams
Location of Diversion Tunnel	Left Bank
No. of Tunnel	One (01)
Diameter and shape of DT	10.0 m, Horse Shoe Shape
Length of Tunnel	642.208 m



<b>7.0 Power Intake</b>	
Number of Intake	Three (03)
Invert level	EL. 685.0
Discharge Capacity of Intake 1 and 2 (for Main Units)	277.84 m <sup>3</sup> /sec each
Discharge Capacity of Intake 3 (for Environment Units)	171.27 m <sup>3</sup> /sec
<b>8.0 Pressure Shaft</b>	
Number of Pressure Shaft	Three (03) further bifurcated into six (06)
Design Discharge for Pressure Shaft-1 and 2 (for Main units)	277.84 m <sup>3</sup> /sec each
Design Discharge for Pressure Shaft-3 (for Environment units)	171.27 m <sup>3</sup> /sec
<b>9.0 Power House</b>	
Type	Underground
Location	Right Bank
Normal Tail Water Level	EL. 651.20 m
Minimum Tail Water Level	EL. 647.50 m
Gross Head	59.97 m
Rated Head	57.85 m
Size of Power House Cavern	171m (L) X 22.5m (W) X 51.5m (W)
Size of Transformer Hall Cavern	175m (L) X 18.70m (W) X 27m (W)
Turbine Type	Francis
No of Unit	Six (06)
Design Discharge for Main Plant	555.68 m <sup>3</sup> /sec
Design Discharge for Auxiliary Plant	171.27 m <sup>3</sup> /sec
Installed Capacity for main units	4*73 MW
Installed Capacity for environment units	1*73MW + 1*17MW
Total Installed Capacity	382 MW



<b>10.0 Tail Race Tunnel</b>	
Number	Two (02)
Size & Shape of Tunnel	10.5 m dia and 9.0 m dia Horse Shoe Shaped
Length	288 m & 208 m
<b>11.0 Power Generation</b>	
Design Energy	1381.77 GWh (987.84 GWh: Main Plant + 393.93 GWh: Auxiliary Plant)
<b>12.0 Estimated Cost</b>	
Total Hard Cost at June'19 Price Level	Rs. 2146.61 Crore
Interest During Construction	Rs. 400.15 Crore
Financial Charges	Rs. 8.95 Crore
<b>Total Project Cost</b>	<b>Rs. 2555.71 Crore</b>
<b>13.0 Financial Aspects</b>	
1 <sup>st</sup> year tariff at Power House bus bars (including IDC) during 90% dependable year as per CERC guidelines	Rs. 4.53/kWh
Levelised tariff at Power House bus bars (including IDC) during 90% dependable year as per CERC guidelines	Rs. 4.16/kWh
<b>14.0 Construction Period</b>	
Total construction period	4 years, 7 months

Er. M. Mogi  
CGM/Head of Project  
SJVN, LHEP, Bid-1

**Short narrative of the proposal and project/scheme for which the forest land is required**

Sunni Dam Hydro Electric Project is a run of the river type development proposed to harness the hydel potential of river Satluj. The project envisages construction of a concrete gravity dam of  $\pm 95$  m high above deepest foundation level across river Satluj near Khaira village and underground power house on the right bank.

A  $\pm 95$  m high, concrete gravity dam from deepest foundation level  $\pm 623$  m, with integral 6 nos. gated spillways having size of 8.5 m (W) X 15.0 m (H) have been proposed. The Full Reservoir Level has been kept at 710.0 m and Minimum Draw Down Level at El. 707.0 m. The length of the dam at top shall be 185 m. The proposed dam is divided in 11 blocks.

Underground power house having with size of 185.42 m (L) x 22.0 m (W) x 48.36 m (H) shall be provided on right bank with installed capacity of 355 MW (4 x 67.4 MW – Main Units, 1 x 67.4 MW + 1 x 18 MW- Environmental Units). The power house cavern is proposed  $\pm 200$  m inside the hill with a top cover of  $\pm 300$  m.

The project is estimated to cost 2555.71 Cr. including IDC and financing charges at June, 2019 price level. The Annual energy of the project calculated as 1381.77 GWh. The tariffs for the project are as below: 1st year Tariff 4.53/kWh, Levelised Tariff 4.16/kWh. The construction period of the project has been proposed as 4 years & 7 months.

The diversion of total 397.1692 ha of forest land for the Project (159.3484 ha in Shimla Forest Division (158.6684 ha open surface area + 0.6800 ha underground/Notional area) + 37.3859 ha in Kotgarh Forest Division + 200.4349 ha (197.2404 open surface area + 3.1945 ha underground/Notional area) in Karsog Forest Division) in various Khasra Nos. as per check List-07 showing details of forest land proposed for diversion, is required for establishment of Sunni Dam HEP located in Northern Power region.

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Er. R. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



# कार्यालय ग्राम पंचायत विन्दा

269

विकास खण्ड...क.र.स.ग.... तहसील...क.र.स.ग.... जिला...म.प्र.... (वि. प्र.)

आज दिनांक...10-07-2017 को ग्राम सभा/ग्राम पंचायत...विन्दा... की मासिक/विशेष बैठक प्रधान/उप प्रधान श्री/श्रीमति...हिमी देवी... जी की अध्यक्षता में सम्पन्न हुई। उपस्थिति...7/7... रही तथा निम्न कार्यवाही अगल में लाई गई।

प्रस्ताव नं.:..... दिनांक...06/10/2017...

## प्रतिलिपि

*M. S. Negi*  
*U.S.*

विषय - सुनी कांच जल विद्युत परियोजना के सम्बन्ध में ग्राम पंचायत विन्दा द्वारा सहायता पत्र जारी करने के लिए।

उपर्युक्त सहायता के सम्बन्ध में ग्राम पंचायत विन्दा की सुनई के सम्बन्ध में उपरोक्त प्रस्ताव-समाप्त हेतु चर्चा का ग्राम पंचायत-सभा के सत्र में सातसुनई जल विद्युत विभाग द्वारा सुनी कांच जल विद्युत परियोजना प्रस्तुत हो। कांच जल के लिए निम्न आंक पर ग्राम पंचायत विन्दा अपनी सहमति प्रदान करती है। अतः सर्व सामग्री से निर्वाह लेना तथा उपरोक्त परियोजना के लिए निम्न आंक पर ग्राम पंचायत विन्दा सहमति प्रदान करती है। ग्राम पंचायत विन्दा के कार्य व कार्यालय में उपरोक्त परियोजना के सम्बन्ध में ग्राम पंचायत विन्दा के स्थायी पुस्तक के अन्तर्गत के अन्तर्गत पर ही कार्य।

Er. R.L. Negi  
Head of Project  
SJVN, LHEP, Bithal

- (1) आगरेसु कांच जल विन्दा चलेगा
  - (2) कांच जल की जमीन को सुनई 2035/1/1/1/1 से सुनई 2035/1/1/1/1 में पानी लाकर विभाग के कार्य शुरू होने से पहले सिंचित करना होगा।
  - (3) कांच जल को सड़क से जोड़ना
  - (4) घेरना से कलाका सुना निर्माण
  - (5) स्लैब मैदान निर्माण कांच जल
  - (6) कांच जल से कलाका, कौरा, रकनपुर, जस, का निर्माण।
- सांशोधन अधिकारी कांच जल के सम्बन्ध में ग्राम पंचायत विन्दा के सम्बन्ध में उपरोक्त प्रस्ताव-समाप्त हेतु चर्चा का ग्राम पंचायत-सभा के सत्र में सातसुनई जल विद्युत विभाग द्वारा सुनी कांच जल विद्युत परियोजना प्रस्तुत हो। कांच जल के लिए निम्न आंक पर ग्राम पंचायत विन्दा अपनी सहमति प्रदान करती है। अतः सर्व सामग्री से निर्वाह लेना तथा उपरोक्त परियोजना के लिए निम्न आंक पर ग्राम पंचायत विन्दा सहमति प्रदान करती है। ग्राम पंचायत विन्दा के कार्य व कार्यालय में उपरोक्त परियोजना के सम्बन्ध में ग्राम पंचायत विन्दा के स्थायी पुस्तक के अन्तर्गत के अन्तर्गत पर ही कार्य।

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

*A. S. Negi*  
*Asst. (H.R.)*

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HOP LHEP, Bithal  
Diary No. 5823  
Date 9/11/18

संयोजक  
ग्राम पंचायत विन्दा  
विकास खण्ड क.र.स.ग.



# कार्यालय ग्राम पंचायत करयाली

विकास खण्ड बसन्तपुर, तह0 सुन्नी, जिला शिमला (हि.प्र.)

आज दिनांक 25.09.2017 को ग्राम सभा/ग्राम पंचायत करयाली की

नासिक/विशेष बैठक प्रधान/उप-प्रधान श्री/श्रीमती सुनीता गायत्री जी की

अध्यक्षता में सम्पन्न हुई। उपस्थिति पूर्ण रही तथा निम्न कार्यवाही अमल में लाई गई।

प्रस्ताव नं. 9

**प्रतिलिपि**

दिनांक 27.9.2017

**विषय :- सतलुजं जल विद्युत निगम को सहमति पत्र प्रदान करने बारे :-**

वैदिक में उपरोक्त विषय पर विचार विमर्श के उपरान्त निर्णय लिया कि ग्राम पंचायत करयाली के कार्ड नं. 6 जैसी

में सतलुजं जल विद्युत निगम द्वारा नौदा का निर्माण किया जाना है जिस हेतु ग्राम पंचायत द्वारा स्थानीय ग्रामवासियों से विचार विमर्श के उपरान्त निम्न शर्तों के अनुसार सहमति पत्र प्रदान किया जाता है।

1. प्रभावित क्षेत्रों को अधिक से अधिक मुआवजा प्रदान किया जाना।
2. पारम्परिक जल स्त्रोत व अन्य कोई भी जो परियोजना के कारण प्रभावित होंगे का नये सिरे से संरक्षण करना।
3. प्रभावित इलाकों को आज की राजस्व एकी अनुसार मुआवजा प्रदान करना।
4. C.O.D कॉलोनी ग्राम पंचायत करयाली में निर्माण किया जाना। (जैसी व मंडाड़ा)
5. प्रस्तावित परियोजना का नाम ग्राम जैसी ग्राम पंचायत करयाली किया जाना।

सहमति पत्र प्रदान किया जाता है।

**Er. R. E. Negi**  
Chief Lead of Project  
LHEP, Bilhal

*[Handwritten signature]*

*[Handwritten signature]*

Head of Project  
SJVN LHEP, Bilhal



प्रधान *[Signature]*  
ग्राम पंचायत करयाली

# कार्यालय ग्राम पंचायत बनाहर

विकास खण्ड नारकण्डा तहसील कुमारसैन जिला शिमला  
पंचायती राज विभाग

प्रतिलिपि कार्यवाही बैठक ग्राम सभा बनाहर जो दिनांक 25/11/2017 को प्रधान/उपप्रधान श्री/श्री भूप राम वर्मा की अध्यक्षता में सदस्यों की उपस्थिति में सम्पन्न हुई। बैठक की गणपूर्ति 4/7 रही।

प्रस्ताव संख्या (1)

दिनांक 25/11/2017

**विषय :- ग्राम पंचायत बनाहर के अन्तर्गत सरकारी भूमि पर सनावगी नाथान क्षेत्र में सुन्नी डैम जल विधुत परियोजना के लगने से कोई भी आपत्ति बारे विचार :-**

बैठक में सर्व सहमति से प्रस्ताव पारित किया गया है। कि ग्राम पंचायत बनाहर के अन्तर्गत सरकारी भूमि पर सनावगी नाथान क्षेत्र में सुन्नी डैम जल विधुत परियोजना के तहत डैम लगाना चाहते हैं इस विषय में ग्राम पंचायत की बैठक में चर्चा की गई। चर्चा के उपरान्त निर्णय लिया गया कि उक्त परियोजना के अन्तर्गत इस क्षेत्र में डैम लगाया जाये तो इस क्षेत्र का विकास होगा।

अतः ग्राम पंचायत बनाहर के अन्तर्गत सरकारी भूमि पर सनावगी नाथान क्षेत्र में सुन्नी डैम जल विधुत परियोजना के डैम लगने से कोई भी आपत्ति नहीं है। डैम लगना उचित है ताकि क्षेत्र के लोगों का विकास हो।

प्रतिलिपि :-

(1) परियोजना प्रमुख सुन्नी जल विधुत परियोजना, एस0जे0वी0एन0एल विधुत की संज्ञा में आवश्यक कार्यवाही हेतु प्रेषित है।

प्रमाणित किया जाता है कि प्रस्ताव कार्यवाही रजिस्टर के मुताबिक असल में सही है।

*Handwritten signatures*

*Handwritten signature*  
Er. R.L. Negi  
COM/Head of Project



विकास खण्ड नारकण्डा  
जिला शिमला  
पंचायती राज विभाग (शिमला)

*Handwritten signature*  
Er. R.L. Negi  
COM/Head of Project  
SJVN, LHEP, Bithal

### कार्यवाही नकल

ग्राम पंचायत.....नाँदा..... विकास अण्ड...करसोरा किला...मंडी (हि.प्र.)

आज दिनांक 25-11-2023 को ग्राम पंचायत/ ग्राम तथा नाँदा की बैठक प्रधान/उप प्रधान श्री/श्रीमती राजेश्वरी - चन्द, जी की अध्यक्षता में सम्पन्न होकर निम्न कार्यवाही अमल में लाई गई उपस्थिति 1/1 रही।

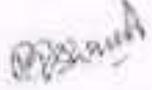
प्रस्ताव संख्या :- 2 सुबुनी बाँध परिवर्तना के लिए सहयोग कार्रवाई प्रस्ताव :-

आज की बैठक में प्रधान अधिकारी द्वारा प्रस्ताव रखा कि ग्राम पंचायत नाँदा का कुछ क्षेत्र सुबुनी बाँध परिवर्तना के अन्तर्गत प्रभावित होगा। इस विषय पर चर्चा करते हुए सब अधिकारी सहयोगों ने निर्णय लिया कि ग्राम पंचायत नाँदा का बाँध परिवर्तना के अन्तर्गत कुछ क्षेत्र लगने में कोई कार्रवाई नहीं है।

प्रस्ताव अतिरिक्त किया गया है कि बाँध परिवर्तना के अन्तर्गत कुछ क्षेत्र बचिस्टर सुग्रीवक सहित है।

 राजेश्वरी चन्द  
ग्राम पंचायत नाँदा  
मंडी जिला, हि.प्र.

  
[Illegible text]

  
Head of Project  
SJVN, LHEP, Bithal

  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



# कार्यालय ग्राम पंचायत... परलोग

283

विकास खण्ड करसोग, तहसील करसोग, जिला मण्डी (हि.प्र.)

कार दिनांक 27/05/2017 को ग्राम पंचायत/ग्राम पंचायत परलोग की

मासिक/विशेष बैठक प्रयोजन/उप-प्रधान श्री/श्रीमती तिलक देवी की

व्यवस्था में सम्पन्न हुई। उपस्थिति 7/7 रही तथा निम्न कार्यवाही जमा में आई गई।

प्रस्ताव नं. 05

**प्रतिलिपि**

दिनांक 27/05/2017

सुन्नी काँध जल विद्युत परियोजना स्थापित करने हेतु सहमति पत्र जारी करने काई :-

प्रधान महोदय ने बैठक में प्रस्ताव रखा कि सुन्नी काँध जल विद्युत परियोजना (ऊँस. के वि. एन. एल.) सतलुज नदी पर खैरा गाँव ग्राम पंचायत चौकड़ी तहसील सुन्नी के पास विद्युत परियोजना हेतु जलाशय का निर्माण किया जा रहा है। इस परियोजना के अन्तर्गत ग्राम पंचायत परलोग विकास खण्ड करसोग का कुछ प्रभावित क्षेत्र आता है। पंचायत बैठक में इस संदर्भ में विस्तृत चर्चा की गई व उक्त परियोजना स्थापित करने वाले ग्राम पंचायत परलोग के प्रभावित क्षेत्र में गाँववासियों की समस्याएँ व शर्तें मकान आदि आते हैं। प्रभावित क्षेत्र के गाँववासियों को इस परियोजना स्थापित करने से पूर्व अमीन/मुकाम आदि का उचित मुआवजा दिया जाये तथा आम लोगों से सहमति पत्र प्राप्त करके ग्राम पंचायत परलोग ने सर्व सम्मत से निर्धारित किया कि उक्त परियोजना स्थापित करने वाले ग्राम पंचायत परलोग सहमति प्रदान करते हैं; तथा ग्राम पंचायत परलोग समर्थ-उपद अपने क्षेत्र के विकास हेतु उचित वित्तीय सहायता की माँग करती है। लक्ष्य प्रयोजित क्षेत्र में लोगों का विकास है। प्रस्ताव ग्राम पंचायत द्वारा सर्व सम्मति से पारित।

प्रतिलिपि महाप्रबन्धक, सुन्नी काँध विद्युत परियोजना विथल जिला शिबला को आवश्यक कार्यवाही हेतु प्रस्तुत है।

सहमति पत्र किया जाता है कि मकाल प्रस्ताव अन्त में रही है।



*Er. R.L. Negi*  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

हस्ताक्षर दिनांक  
 27/05/2017



आज दिनांक 21/05/2014 प्रतिलिपि प्रस्ताव संख्या 46  
 मासिक/विशेष बैठक ग्राम सभा प्रधान/उप-प्रधान श्री श्री संगीता देवी जो ग्राम पंचायत की  
 में हुई। उपस्थिति 08 रही, जिसमें निम्नलिखित कार्यवाही अगल में लाई गई।

प्रस्ताव सं० 06

**विषय :-** सुन्नी कंध जल विद्युत परियोजना स्थापित करने हेतु सहजता पत्र जारी करने का

प्रधान ग्रहोदय ने पत्र में सहजता पत्र की सुन्नी  
 जल विद्युत परियोजना स्थापित करने हेतु सहजता पत्र जारी  
 करने के लिए सुन्नी के पास विद्युत परियोजना हेतु जल संचयन  
 का निष्पत्ति किया जा रहा है। इस परियोजना के अन्तर्गत ग्राम पंचायत  
 साइट परियोजना स्थापित करने का कुछ प्रभावित क्षेत्र आता है।  
 परियोजना पत्र में ग्राम सभा के विद्युत कर्मियों की गतिविधि हेतु  
 परियोजना स्थापित करने के लिए ग्राम पंचायत साइट के प्रभावित  
 क्षेत्र में आवेकितियों की गणना प्र. श्री गणेश इत्यादि को  
 ही प्रभावित क्षेत्र के गैर आवेकितियों को उक्त परियोजना स्थापित  
 करने से पूर्व जमीन गणना इत्यादि का उचित अनुशासन दिया  
 जाये तथा ग्राम लोगों से सहजता पत्र प्राप्त करने के लिए परामर्श  
 साइट ने एवं सहजता पत्र निर्धारित किया कि इन्त परियोजना  
 स्थापित करने के लिए ग्राम पंचायत साइट से सहजता पत्र प्राप्त करनी है।  
 तथा ग्राम पंचायत साइट स्तरी-2 पर अपने क्षेत्र के विकास हेतु  
 उचित प्राथमिक आवश्यकताओं का उन्नी है। ताकि प्रभावित क्षेत्र  
 में लोगों को विकास हो।



महजूर किया जाता है कि प्रस्ताव  
 प्रस्ताव शुद्ध अनुशासन है।

- वाई फं:
1. Sitarwar
  2. Kaur
  3. सिद्धा देवी
  4. भागवती
  5. गंगा कुमारी

21/05/2014

*(Handwritten signature)*

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*(Handwritten signature)*

Head of Project -  
 LHEP, Bithal

*(Handwritten signature)*



# कार्यालय ग्राम पंचायत चेबड़ी

275

डाकघर खैरा, विकासखण्ड बसन्तपुर, तहसील सुन्नी, जिला शिमला (हि० प्र०)

Email :- [chebri.bpur@gmail.com](mailto:chebri.bpur@gmail.com) Phone No. 0177-2780893

आज दिनांक ..06-05-2017..को ग्राम सभा / ग्राम पंचायत चेबड़ी की मासिक/बिशेष बैठक प्रधान/उपप्रधान श्री भेषी लाल जी की अध्यक्षता में सम्पन्न हुई। उपरिधती 7/7 रही तथा निम्न कार्यवाही अम्ल में लाई गई।

प्रस्ताव न० ..04..

दिनांक ... 06-05-2017..

सुन्नी बांध जल विद्युत परियोजना स्थापित करने हेतु ग्राम पंचायत चेबड़ी द्वारा सहमति पत्र जारी करने बारे :-

पंचायत की मासिक बैठक में अध्यक्ष अनुमति अनुसार उपरोक्त प्रस्ताव चर्चा हेतु रखा गया और बताया गया कि ग्राम पंचायत चेबड़ी के गाँव खैरा में सतलुज जल विद्युत निगम द्वारा सुन्नी बांध जलविद्युत परियोजना प्रस्तावित है। बांध बनाने के लिए ग्राम पंचायत चेबड़ी अपनी सहमति प्रदान करती है।

अतः बैठक में पंचायत द्वारा सर्व सम्मति से निर्णय लिया गया कि उक्त परियोजना के लिए ग्राम पंचायत चेबड़ी सहमति प्रदान करती है। निगम से ग्राम पंचायत चेबड़ी आशा रखती है कि परियोजना के स्थायी दफ्तर तथा स्थायी कालीनी गाँव खैरा में ही बनाई जाए। पंचायत सदैव इसके लिए आपकी आभारी रहेगी व पारित प्रस्ताव की प्रतिलिपि परियोजना प्रमुख, सुन्नी बांध जलविद्युत परियोजना, बिथल, जिला शिमला को आगामी कार्यवाही हेतु प्रस्तुत की जाती है।

प्रतिलिपि :-

अपर महाप्रबंधक (का० एवं प्रशा०), सुन्नी बांध जलविद्युत परियोजना, बिथल, जिला शिमला को आगामी कार्यवाही हेतु प्रस्तुत की जाती है।

प्रमाणित किया जाता है कि नकल मुताबिक मूल के असल है।



PRADHAN

SECY

GRAM PANCHAYAT CHEBRI  
DEV. BLOCK BASANTPUR, SHIMLA, H.P.

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*  
HEAD OF PROJECT  
SJVN, LHEP, BITHAL

*[Handwritten signature]*  
Er. R.L. Negi  
CGT/Head of Project  
SJVN, LHEP, Bithal

*[Handwritten signature]*

कार्यालय ग्राम पंचायत सरकोला



विकास खण्ड कर्नापुत्र जिला मण्डी (हिजाँन)

आज दिनांक 07.05.2017 को ग्राम पंचायत सरकोला की मासिक/विशेष/ग्राम

सभा बैठक प्रधान की अध्यक्षता में सम्पन्न हुई जिसमें उपस्थित रही जिसमें निम्नलिखित कार्यवाही अमल में लाई गई।

प्रस्ताव संख्या 5

दिनांक 07.05.2017

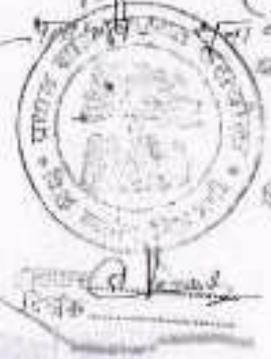
विद्यमान सुनी खंडा अल विद्युत परिशोधन संकीर्त करने  
एवं सहमति प्राप्त करने के बारे में।

ग्राम पंचायत सरकोला की अध्यक्षता

की बैठक की अध्यक्षता प्रधान विकास खण्ड कर्नापुत्र जिला मण्डी में  
अध्यक्षता में उपस्थित सहसचिव चर्चा के लिए किया।  
चर्चा उपरान्त ग्राम पंचायत के.ई. सरकोला में निर्णय  
हुआ कि खंडा में सार्वजनिक अल विद्युत निशुल्क द्वारा सुनी में  
सुनी खंडा अल परिशोधन प्रस्तावित है। निम्न के संदर्भ में  
क.सं.सं.जी.सी. 270 संकेत एच.डी.जी. 14/5/16/17-386 के  
संदर्भ में पंचायत में चर्चा की गई। अतः पंचायत बैठक में  
हरे सभा में निर्णय लिया गया कि उपरोक्त परिशोधन के  
लिए के.ई. सरकोला सहमति अग्रिम करनी है।

निम्न में प्रस्ताव सरकोला अंगी करती है कि  
के.ई. संकेत एच.डी. संकेत आगरी रैंगी। और सभा-अपरपंचायत  
को बोले की पूरी करें। ताकि पंचायत का विकास हो। एने  
विद्युत पर पूर्ण निश्चय है।  
अतः (अध्यक्ष/प्रधान) अतः ग्राम सभा में सर्वसम्मति से बात है।

प्रस्तावित सुनी खंडा अल परिशोधन (निशुल्क) प्रस्ताव  
आपसमूह कार्यवाही एवं अग्रिम।



Handwritten signature and official stamp of the Gram Panchayat.

Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



# कार्यालय ग्राम पंचायत भौगड़ा

277

विकास खण्ड नारकण्डा, तहसील कुमारसैन, जिला शिमला-हिमाचल।

क्रमांक.....

दिनांक 20/05/2017

सेवा में,

अपर महाप्रबंधक (कां.सं. पुरा.)  
सूजी बांध जल विद्युत परियोजना, बिथल।

विषय:-

सूजी बांध जल विद्युत परियोजना स्थापित  
करने हेतु सहमति पत्र।

महोदय,

आपके कार्यालय पत्र संख्या एस.जे.वी.एन/एस.एच.डी.सी/14/05/1401/न-287 दिनांक 05/05/2017 दिनांक परिसर उपरोक्त परियोजना के अंतर्गत बांध बनाने हेतु सहमति जारी करने हेतु निवेदन किया गया है। इस संबंध में निवेदन किया जाता है कि ग्राम पंचायत भौगड़ा द्वारा सूजी बांध जल विद्युत परियोजना स्थापित करने हेतु अपनी सहमति प्रदान करती है।

धन्यवाद।

Er. R.L. Negi  
CGM/Head of Project  
& JVN, LHEP, Bithal



हस्ताक्षर  
दिनांक





# ग्राम पंचायत बाग

239

डाकघर पन्वोआ, विकास खण्ड वसन्तपुर, तह. सुन्नी, जिला झिम्ला (हि.प्र.)

सेवादास वर्मा  
प्रधान  
मो. 9805068377

प्रस्ताव संख्या: 01

दिनांक: 29/3/2017

आज दिनांक 29-03-2017 प्रातः 10 बजे ग्राम पंचायत

की बैठक प्रधान श्री सेवादास वर्मा की अध्यक्षता में आयोजित की गई  
बैठक में उपस्थिति 64 रही और निम्न निर्णय लिए गए।

विषय:- सुन्नी बांधा जल विद्युत परियोजना निर्माण हेतु सहमति पत्र जारी करने बौर।

उपरोक्त विषय के संदर्भ में सतलुज जल विद्युत निगम से पत्र संख्या  
एसजे वी एन/एल एन ई पी/1145-2017-391 द्वारा ग्राम पंचायत बाग से परियोजना  
स्थापित करने हेतु सहमति पत्र हेतु आग्रह किया गया है। अध्यक्ष की अध्यक्षता  
नुसार इस विषय को पंचायत में चर्चा हेतु रखा गया। चर्चा के बाद बात  
स्पष्ट रूप से पंचायत के संज्ञान में लई गई कि यह परियोजना दोबरी  
पंचायत के क्षेत्र नामक स्थान पर स्थापित की जाएगी। लेकिन बांध बनने  
के कारण बाग पंचायत का सतलुज नदी के साथ लगा निचला हिस्सा भी  
प्रभावित हो गा। जिस से कई लोगों के घर तथा जमीन जलाशय में डूब  
जाएगी। चर्चा में यह बात भी उभर आई कि परियोजना से 855 मैकवाट  
विद्युत उत्पादन होगा जो देश तथा प्रदेश के विकास में गाँव का पत्थर  
साबित हो गा।

अतः पंचायत देश तथा प्रदेश हित में इस परियोजना से  
सहमति जताती है लेकिन इस परियोजना से प्रभावित लोगों को क्षतिपूर्ति हेतु  
सरकार द्वारा निर्धारित मुकामों तथा विस्थापित लोगों के पुर्नवसन हेतु सभी  
दिशा-निर्देशों का पालन करने की एसजे वी एन एल से अपेक्षा करती है।

पंचायत वैधानिक रूप से इस परियोजना को स्थापित करने हेतु अपनी  
सहमति व्यक्त करती है तथा इस प्रस्ताव के माध्यम से यह भी वास्तव  
करती है कि परियोजना आरम्भ करने से पहले गाँव बांधा की सहमति  
लेना अनिवार्य हो गा।

प्रस्ताव सर्व सहमति से पारित किया गया। नकल असल के  
मुताबिक दुरुस्त है।



PRADHAN  
GRAM PANCHAYAT BAG  
DEV. BLOCK - W. P. S. SHAL...

Er. R.L. Negi  
COM Head of Project  
SJVN, LHEP, Bithal

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील कुमारसेन जिला शिमला हि० प्र० (अजाग्रत)

क्रमांक	गांव/महाल	तहसील	जिला	नंबर खसरा	रकबा (है०मी०)
1	भूड	कुमारसेन	शिमला	1 ✓	00-17-28 ✓
				1/1 ✓	01-11-05 ✓
				2 ✓	01-47-11 ✓
				किता = 3 ✓	02-75-44 ✓



  
**Er. R.L. Negi**  
 CGM/Head of Project  
 SJVN, LHEP, Bithal





सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील कुमारसैन जिला शिमला हि० प्र० (जिला/प्र०)

क्रमांक गांव/महाल तहसील जिला नंबर खसरा रकबा (हे०मै०)

1	तलाठ	कुमारसैन	शिमला	1/1 ✓	5-60-69 ✓
				2 ✓	1-75-62 ✓
				3/1 ✓	2-11-82 ✓
				कित्ता = 3 ✓	9-48-13 ✓

*R.L. Negi*

*R.L. Negi*

*R.L. Negi*  
 Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

*R.L. Negi*

# राजस्व विभाग, बिहार प्रवेश - नकल जमाबंदी

जिला : सिमरन  
 तहसील : कुमरसैन  
 गावपालिका : कुमरसैन  
 पञ्चायत क्षेत्र : कानपुर

रसीद संख्या : 0901171650  
 नाम : **Tek Chand**  
 पितृपति : ...

नकल शुल्क : 1  
 सेवा शुल्क : 10  
 कुल शुल्क : 11

रसीद नं. : 144

श्रीमान : **तखर**

साल : 2013-2014

रकबा इकाई : है आ-ई

क्र.सं.	खसती नं.	नाम प्राथिक व पञ्चम	नाम कलाकार व पञ्चम	नाम गाँव व क्षेत्र व पञ्चम	नाम गाँव व क्षेत्र व पञ्चम	रकबा इकाई	रकबा इकाई	शुल्क
1	2							
48	105	शरारत विमान पट्टर	शरारत पट्टर	शरारत पट्टर	शरारत पट्टर	08-8-12	08-8-12	54
49	106	शरारत विमान पट्टर	शरारत पट्टर	शरारत पट्टर	शरारत पट्टर	08-8-12	08-8-12	54

**Er. R.L. Negi**  
**CGM/Head of Project**  
**SVM, LHEP, Bihar**

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 For validity Refer: Notice No:Rev-CF/10-12009 Dated 14-Feb-2011

Jam0901171650



दिनांक : 11-Dec-2017

पृष्ठ संख्या : 1

**राजस्व विभाग, हिमाचल प्रदेश - नकल जमावंदी**

जिला : हिमाला  
 तहसील : कुमायरीन  
 कालखंड/वर्ग : कुमायरीन  
 पटवार क्र : कानर  
 पटवार नं. : 144

रसद संख्या : 0901171661  
 नाम : Tek Chand  
 पितापति : --

नकल शुल्क : 1  
 रोज शुल्क : 10  
 कुल शुल्क : 11

मौजम : सलाह

साल : 2013-2014

रकबा इकाई: हे-जान्सी

1	2	3	4	5	6	7	8	9
48 दिन	119 दिन	सरकार हिमाचल प्रदेश	कला लख दाई हरक बरिन बर्तमान	गाम धर व दीनार वसायत भालपारी	2	01-75-62 रजुदीन	गाम व धन अर वीर नं. (1)	रु. 54 रु. 58 रु. 60 रु. 61
15 अ.	100							
48								
रकम धर 2								
(1)								
2,000								
रकम								
0,000								
रकम								
0,000								

**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

Assistant  
 Chartered Engineer  
 Civil, Electrical, Sanitary

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 कुमायरीन as accessed by Tehsil Operator TEHOPRESUNNI on 11-December-2017 from Tehsil  
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 For Landry Order, Note: No Rev-Code/7/10-12/2009 Dated 14-Feb-2011

Jan0901171661  


दिनांक: 11-Dec-2017

**राजस्व विभाग, बिमाचल प्रदेश - नकल जमाबंदी**

जिला : बिहार  
 तहसील : कुमरसेन  
 कम्प्यूटरीकृत : कुमरसेन  
 पदवार क्षेत्र : बलाहर

रसीद संख्या : 0901171662  
 नाम : **Tek Chand**  
 पिता/पति : -

नकल शुल्क : 1  
 सेवा शुल्क : 10  
 कुल शुल्क : 11

रजिस्ट्रार नं. : 144

मौजाला : तलाह

साल : 2013-2014

साल : 2013-2014

| क्र. क्र. | सर्वेक्षण नं. | सर्वेक्षण क्षेत्र | सर्वेक्षण क्षेत्र का नाम | सर्वेक्षण क्षेत्र का क्षेत्र |
|-----------|---------------|-------------------|--------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 48        | 119           | तलाह              | सर्वेक्षण क्षेत्र का नाम | सर्वेक्षण क्षेत्र का क्षेत्र |
| 49        | 108           | तलाह              | सर्वेक्षण क्षेत्र का नाम | सर्वेक्षण क्षेत्र का क्षेत्र |

**Er. R. Negi**  
**CGM/Head of Project**  
**SJVN, LIFE, Bithal**

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 Jhansi



Dr. R.L. Negi

वीर्य मूत्र

तलाह

राज्यीय

कुमार बन

बिहार शिमला

क्र.सं.	संख्या		वर्णन	प्रकार/वर्णन	दिनांक	स्थान	टिप्पणी
	क	ख					
1	1	क	222	$(116+50) \div 2 = 184$	5-60-69	शुद्ध	
		ख	120	$220 \div 2 = 110$			
		ग	176	$(78+17) \div 2 = 110$			
		घ	153	$(66+42) \div 2 = 82$			
			249	$(68+70) \div 2 = 178$			
			<u>5669</u>				
3	3	क	308	$(152+15) \div 2 = 462$	1-26-45	शुद्ध	
		ख	215	$(11+14) \div 2 = 35$			
3	1	क	240	$(12+11) \div 2 = 456$	2-11-82	शुद्ध	
		ख	170	$(10+20) \div 2 = 255$			
		ग	100	$(9+18) \div 2 = 135$			
		घ	47	$(3+10) \div 2 = 30$			
		ङ	125	$(6+18) \div 2 = 150$			
		च	<u>2182</u>				
3	2	क	का नामी	जादा नकल	3-51-70	शुद्ध	

Dr. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal

Dr. R.L. Negi



अस्य राजसूत किरदार महाल तलाह तलिल (क्यायतन जिला जिला रि.ड.)  
 3211  
 पंचायत विभाग  
 10 मीटर प्रति सेंटीमीटर



राजसूत किरदार महाल तलाह तलिल (क्यायतन जिला जिला रि.ड.)  
 3211  
 पंचायत विभाग  
 10 मीटर प्रति सेंटीमीटर

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील कुमारसैन जिला शिमला डि० प्र० (अलाइमेंट)

क्रमांक	गांव/महाल	तहसील	जिला	नंबर खसरा	रकबा (हे०मी०)
1	झुंजन	कुमारसैन	शिमला	1 ✓	7-43-22 ✓
				190 ✓	3-61-08 ✓
				2 ✓	2-26-02 ✓
				किता = 3 ✓	13-30-32 ✓

*[Handwritten Signature]*

*[Handwritten Signature]*

*[Handwritten Signature]*  
**Er. R.L. Negi**  
**CGM/Head of Project**  
**SJVN, LHEP, Bithal**

**राजस्व विभाग, हिमाचल प्रदेश - नकल जमाबंदी**

जिला : शिमला  
 जकरील : कुमावटीन  
 कस्बे/गीबत : कुमावटीन  
 धरणा/घाट : कोराल  
 इंदरकर नं. : 152

रसीद संख्या : 0901171657  
 नाम : Tek Chand  
 पिता/पति : --

नकल शुल्क : 1  
 सेवा शुल्क : 20  
 कुल शुल्क : 21

नोडल : कुजल

सन : 2013-2014

कमात ईन्फो. नं.-20-11

1	2	3	4	5	6	7	8	9
शेखर नं.	शरीफ नं.	नाम नाशिक व पुरान	नाम कारतदार व पुरान	आत नाश व दीकर व धारणा आधारी	नाशक संख्या	कमात एत वत व	दिरसा या धनामा	कैशियर
15 जिन	29	राकर हिमाल प्रदेश			1	01-42-32	नाशक संख्या	
18	20		राकर नाशक व पुरान		2	02-28-02	नाशक संख्या	
00		जय हिमाल			27	06-19-04	नाशक संख्या	
00		जय हिमाल			28	00-00-33	नाशक संख्या	
0.00		जय हिमाल			40	04-16-08	नाशक संख्या	
0.00		जय हिमाल			2898	00-01-45	नाशक संख्या	
		जय हिमाल			54	00-18-08	नाशक संख्या	
		जय हिमाल			57	00-18-08	नाशक संख्या	
		जय हिमाल			99	00-01-77	नाशक संख्या	
		जय हिमाल			71	05-04-57	नाशक संख्या	
		जय हिमाल			72	00-00-72	नाशक संख्या	
		जय हिमाल			104	00-00-63	नाशक संख्या	

**Er. R.L. Negi**  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

Approved  
 Deputy Engineer  
 Bithal, Distt. Solan





सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकवा

तहसील कुमारसैन जिला शिमला डि० प्र० [जलाशय]

क्रमांक गांव/महाल	तहसील	जिला	नंबर खसरा	रकवा (है०मै०)
1 मजरोग	कुमारसैन	शिमला	1 ✓	7-65-02 ✓
			61 ✓	0-01-14 ✓
			62 ✓	1-59-80 ✓
			65/1 ✓	0-06-96 ✓
			67 ✓	0-03-38 ✓
			318/67/1	0-01-00 ✓
			66 ✓	0-53-71 ✓
			58 ✓	0-71-53 ✓
			3 ✓	1-21-30 ✓
			316/59 ✓	0-00-86 ✓
			कित्ता -10 ✓	11-84-70 ✓





  
Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



राजस्व विभाग, मिनाचल प्रदेश - नकल जमाबंदी

रसीद संख्या : 09062010282  
 शान : 2014-2015

प्रमाणित किया गया :  
 सेवा शुल्क : 100  
 कुल शुल्क : 107

मोहरण : मजराया

रकबा ईकाई: है-आ-से

क्र.सं.	खेती का नाम	खेती का प्रकार	खेती का क्षेत्रफल (है.)	खेती का क्षेत्रफल (आ.)	खेती का क्षेत्रफल (से.)	खेती का क्षेत्रफल (है-आ-से)	खेती का क्षेत्रफल (है-आ-से)	खेती का क्षेत्रफल (है-आ-से)	
1	1	2	3	4	5	6	7	8	9
21	41	मजराया मिनाचल प्रदेश	मजराया मिनाचल प्रदेश	मजराया मिनाचल प्रदेश	मजराया मिनाचल प्रदेश	मजराया मिनाचल प्रदेश	मजराया मिनाचल प्रदेश	मजराया मिनाचल प्रदेश	मजराया मिनाचल प्रदेश
21	42								

Er. R.L. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

दिनांक : मिनाचल प्रदेश - मिनाचल

दिनांक : 07-Sep-2020

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 Office of the **CGM/Head of Project**  
 SJVN, LHEP, Bithal



1 2 3 4 5 6 7 8 9

					151 प्रमाणित	90-90-42		
					150 अनुदान	00-03-42	त. प्रमाणित	
					149 अनुदान	03-17-18	प्रमाणित	
					148 अनुदान	00-01-47	प्रमाणित	
					135 अनुदान	00-01-47	प्रमाणित	
					134 अनुदान	00-01-42	प्रमाणित	
					132 अनुदान	00-01-42	प्रमाणित	
					206 अनुदान	00-01-42	प्रमाणित	
					207 अनुदान	00-01-42	प्रमाणित	
					220 अनुदान	00-01-42	प्रमाणित	
					222 अनुदान	00-02-78	प्रमाणित	
					223 अनुदान	00-04-42	प्रमाणित	
					245 अनुदान	00-05-04	प्रमाणित	
					246 अनुदान	03-04-85	प्रमाणित	
					248 अनुदान	07-05-43	प्रमाणित	
					250 अनुदान	03-12-35	प्रमाणित	
					255 अनुदान	00-10-45	प्रमाणित	
					280 अनुदान	04-20-12	प्रमाणित	

Er. R.L. Negi  
CGM Head of Project  
SJVN, LHEP, Bithal

प्राप्त : विवरण संख्या - विवरण

दिनांक : 07-Sep-2020

पृष्ठ संख्या : 3

*(Handwritten marks)*

1 2 3 4 5 6 7 8 9

280	281	282	283	284	285	286	287	288	289
290	291	292	293	294	295	296	297	298	299
300	301	302	303	304	305	306	307	308	309
310	311	312	313	314	315	316	317	318	319
320	321	322	323	324	325	326	327	328	329
330	331	332	333	334	335	336	337	338	339
340	341	342	343	344	345	346	347	348	349
350	351	352	353	354	355	356	357	358	359
360	361	362	363	364	365	366	367	368	369
370	371	372	373	374	375	376	377	378	379
380	381	382	383	384	385	386	387	388	389
390	391	392	393	394	395	396	397	398	399
400	401	402	403	404	405	406	407	408	409
410	411	412	413	414	415	416	417	418	419
420	421	422	423	424	425	426	427	428	429
430	431	432	433	434	435	436	437	438	439
440	441	442	443	444	445	446	447	448	449
450	451	452	453	454	455	456	457	458	459
460	461	462	463	464	465	466	467	468	469
470	471	472	473	474	475	476	477	478	479
480	481	482	483	484	485	486	487	488	489
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610	611	612	613	614	615	616	617	618	619
620	621	622	623	624	625	626	627	628	629
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690	691	692	693	694	695	696	697	698	699
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740	741	742	743	744	745	746	747	748	749
750	751	752	753	754	755	756	757	758	759
760	761	762	763	764	765	766	767	768	769
770	771	772	773	774	775	776	777	778	779
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810	811	812	813	814	815	816	817	818	819
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860	861	862	863	864	865	866	867	868	869
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880	881	882	883	884	885	886	887	888	889
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980	981	982	983	984	985	986	987	988	989
990	991	992	993	994	995	996	997	998	999

Er. R.L. Negi  
 CGM  
 Head of Project  
 SJVN, LHEP, Bithal

Project : SJVN LHEP - Bithal

Date: 07-Sep-2020

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FOR THE DIRECTOR  
 GENERAL MANAGER  
 PROJECT MANAGEMENT  
 DIRECTOR GENERAL  
 SJVN LTD  
 BITHAL

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44		<p>सहायक अभियंता सिविल डिपार्टमेंट</p> <p>Er. R.L. Megi CGM/Head of Project SJVN, LHEP, Bithal</p> 		<p>120</p> <p>137</p> <p>172</p> <p>216</p> <p>224</p> <p>226</p> <p>234</p> <p>247</p> <p>248</p>	<p>00-12-74</p> <p>00-02-08</p> <p>00-04-08</p> <p>00-07-18</p> <p>00-08-64</p> <p>00-01-84</p> <p>00-04-80</p> <p>00-02-64</p> <p>00-07-04</p> <p>00-01-80</p>	<p>00-57-60</p> <p>00-01-80</p> <p>01-70-80</p> <p>01-01-80</p> <p>00-97-82</p> <p>00-97-82</p>
45				<p>111</p> <p>247</p> <p>248</p>	<p>00-57-60</p> <p>00-01-80</p> <p>01-70-80</p> <p>01-01-80</p> <p>00-97-82</p> <p>00-97-82</p>	

पंजीकृत अभियंता - सिविल

दिनांक: 07-Sep-2020

पृष्ठ संख्या: 6

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45		Er. R.L. Negi CGM/Head of Project SJVN, LHEP, Bithal		4	00-44-21 A.G. Negi 00-30-72 00-40-26 00-01-06 00-01-03 00-48-48 A.G. Negi 00-00-48 00-01-03 00-42-38 A.G. Negi	00-44-21 A.G. Negi 00-30-72 00-40-26 00-01-06 00-01-03 00-48-48 A.G. Negi 00-00-48 00-01-03 00-42-38 A.G. Negi	<p>01-11-2020</p> <p>01-27-2020</p> <p>00-01-2020</p> <p>01-26-2020</p>
46		Er. R.L. Negi CGM/Head of Project SJVN, LHEP, Bithal		5	00-44-21 A.G. Negi 00-30-72 00-40-26 00-01-06 00-01-03 00-48-48 A.G. Negi 00-00-48 00-01-03 00-42-38 A.G. Negi	00-44-21 A.G. Negi 00-30-72 00-40-26 00-01-06 00-01-03 00-48-48 A.G. Negi 00-00-48 00-01-03 00-42-38 A.G. Negi	<p>01-11-2020</p> <p>01-27-2020</p> <p>00-01-2020</p> <p>01-26-2020</p>

Project : Baramulla S&W - Bithal

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Er. R.L. Negi  
CGM/Head of Project  
SJVN, LHEP, Bithal



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	<p>श्री अशोक</p>	<p>Er. R. K. Negi            CGM/Head of Project          SJVN, LHEP, Bithal</p>		<p>205          प्रस्ताव</p> <p>215          प्रस्ताव</p> <p>242          शीत ऋतु</p> <p>278          प्रस्ताव</p> <p>300          प्रस्ताव</p>	<p>00-00-02          प्रस्ताव</p> <p>00-00-35          प्रस्ताव</p> <p>00-00-00          प्रस्ताव</p> <p>00-01-35          प्रस्ताव</p> <p>00-00-02          प्रस्ताव</p> <p>00-01-06          प्रस्ताव</p> <p>00-00-00          प्रस्ताव</p> <p>00-01-03          प्रस्ताव</p> <p>00-00-00          प्रस्ताव</p>		
			<p>06-03-82          प्रस्ताव</p> <p>00-04-70          प्रस्ताव</p> <p>00-27-64          प्रस्ताव</p> <p>00-01-05          प्रस्ताव</p> <p>00-04-52          प्रस्ताव</p> <p>00-01-05          प्रस्ताव</p>	<p>00-00-15          प्रस्ताव</p> <p>00-00-43          प्रस्ताव</p>			
			<p>00-06-41          प्रस्ताव</p> <p>00-08-20          प्रस्ताव</p>	<p>126-77-60          प्रस्ताव</p> <p>00-01-04          प्रस्ताव</p>			

श्री अशोक - प्रस्ताव

दिनांक: 07-Sept-2020

पृष्ठ संख्या: 9

					00-21-94 00-21-96 00-24-92	01-21-92 103-28-80 16-16-84		* गरीब वार सार्वजनिक धर्मार्थ (1) सार्वजनिक धर्मार्थ : 183, 170, 171, 173, 174 & 170 * गरीब वार सार्वजनिक धर्मार्थ (2) सार्वजनिक धर्मार्थ : 205, 202 * गरीब वार सार्वजनिक धर्मार्थ (3) सार्वजनिक धर्मार्थ : 270 & * गरीब वार सार्वजनिक धर्मार्थ (4) सार्वजनिक धर्मार्थ : 203 & * गरीब वार सार्वजनिक धर्मार्थ (5) सार्वजनिक
					00-28-27 00-28-72 00-28-16	106-28-80 17-47-21		

Er. R. K. Negi  
 CGM/Head of Project  
 SJVN, LHEP, Bithal

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Signature

Approved Comm. Verification: 10  
 O.K. Kulkarni  
 District Collector, Bithal



परिच्छेद बुक

पञ्जाब मेजरसि तहसील बठिन्दर जिला मेजरसि

क्र.सं.	संख्या		संख्या	संख्या	संख्या	संख्या
	संख्या	संख्या				
1	65	65	का	40 (14+3) 2 = 340 46x4 2 = 92 12x2 2 = 12 24 (11+10) 2 = 252 <u>696</u>	0-06-96	मेजरसि
	65	2	का	का	0-05-11	मेजरसि

मेजरसि  
07-02-18  
मेजरसि

Er. R.L. Negi  
CGM  
SJV

मेजरसि

असम शासकीय विस्तार विभाग  
 जमिनी नकल गिरीब जमिनी नकल जिला मेघालय

मेघालय शासकीय विस्तार विभाग  
 जमिनी नकल गिरीब जमिनी नकल

मेघालय शासकीय विस्तार विभाग  
 जमिनी नकल गिरीब जमिनी नकल



Handwritten notes and calculations in the middle-right section of the map, including numerical values and possibly area or distance measurements.

Handwritten notes at the bottom-left corner of the map, likely providing additional details or a legend for the survey.

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