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**Full title of project: LUHRI HYDRO ELECTRIC PROJECT, SJVN LIMITED
Hydel Sunni Dam Project FP/HP/HYD/31019/2017.**

**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
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			9-17
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.			18-21
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.			22-23
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.			24

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).			25-30
8	Statement showing the details of non-forest area involved in the proposal (in the prescribed format).			31-47
9	Certificate from the Collector/Deputy Commissioner that no alternative suitable non-forest land is available for the project in question.			48-54
10	Justification for locating the project in forest area to be submitted by User Agency and countersigned by DFO.			55-56
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).			57-58
12	Undertaking by the User Agency to bear the cost of compensatory afforestation duly counter signed by the DFO (in the prescribed format).			59
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).			60
	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.			61
14	<p>A certificate from the competent authority in the State in the prescribed (vide MoEF letter No. 11-9/98-FC (pt.) dated 5th 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.</p> <p>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</p>			62

	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.			63-168
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).			169
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).			170-235
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).			Do
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.			Do
20	Suitability certificate from the Divisional Forest Officer that the land identified for compensatory afforestation is suitable for raising plantation (in the prescribed format).			do
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.			236
22	In case of proposal which requires entry/exit through Protected Forest strips along		NO	

5

	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.			
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.		No	
24	Status of clearance under Environment (Protection) Act, 1986, wherever required.			
25	NOC of the State Pollution Control Board for establishment of the project, wherever required.			
26	Detailed scheme for rehabilitation of project affected persons, wherever required.			237
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.			
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.			
29	Cost benefit analysis as per the guidelines issued under forest (Conservation) Act, 1980 in prescribed format, wherever required.			238-241
30	Any other information/documents necessary for giving clarifications on the project, may be specified and attached.			

II	Documents/Information Required for Proposals for Roads, Railway Lines, Canals and Transmission Lines			
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

	<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 may also be given :-</p> <p>f) Number of towers to be erected both in forest and non forest area.</p> <p>h) Width of the right of way for transmission line.</p>			
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III	Documents/Information Required for Proposals for Hydro Electric Projects			
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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>242-43</p> <p>244</p> <p>245-46</p> <p>247</p> <p>248-49</p> <p>250.</p>
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IV	Documents/Information Required for Proposals for Mining			
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33	<p>The following information/documents must be given :-</p> <p>I New Proposals</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>			
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	<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> <p>II) In case of renewal of Mining Lease</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</p>			
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	<p>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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V	Documents/Information Required for Proposals for Retail Outlets of an Oil Companies.			
34	<p>The following information/ documents must be given :-</p> <p>a) Copy of letter of intent issued by the oil Company.</p> <p>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.</p> <p>c) Layout plan showing dimensions of proposed approach road for entry and exit with clear area calculations.</p> <p>d) Map clearly indicating the directions of the road leading from....to.....</p> <p>e) The area calculations for the curves should invariably be given in the layout plan.</p> <p>f) NOC from NHAI/PWD/Urban or local body</p> <p>g) NOC from Town and Country Planning/ local body</p> <p>h) Certificate by User Agency to the effect that no High Tension line passing above the proposed site duly countersigned by DFO</p> <p>i) A Certificate by User Agency to the effect that no LP Gas godown is located near the proposed site duly countersigned by DFO.</p>			
	Joint Inspection Report.			251-53
	Muck Management Plan.			254-309
	Certificate regarding Wildlife Sanctuary Distance.			310-11
	NPV Bill			312.
	Revenue papers.			313-

Place: Shimla

Dated:

Sushil Kumar, HPFS,
 Divisional Forest Officer,
 Shimla Forest Division,
 Tel. No. 0177-2623412.



एसजेवीएन लिमिटेड
 (भारत सरकार एवं हिमाचल प्रदेश का मूल्य प्राप्त उद्योग)
 निजी रूप एवं अनुसूची 'ए' की एन.यू.
SJVN LIMITED
 A Joint Venture of Govt. of India & Govt. of Himachal Pradesh
 A Mini Ratna & Schedule 'A' P.S.U.
 CIN No. LA010001000000000000000000



No. SJVN/CMD/38/1601

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 Niraha in Tehsil Rampur, Luhri HEP Stage -II near village Narg 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) 26/9/17
 Chairman & Managing Director
 DIN: 03109215

R.L. Negi
 HoP
 LHEP, Shimla

- for information to:
- The Nodal Officer-joint C/CF/CM/GO/CCP/HP (HoFP), District Shimla (H.P.)
 - The chief conservator of Forests, Rampur Forest Circle, Rampur Basher, District Shimla (H.P.)
 - HoP (LHEP) Shimla for information of
- सहायक नोडल ऑफिसर, संयुक्त सी/सी/सीएम/जीओ/सीसीपी/एचपी (होएफपी), जिला शिमला (एच.पी.)
 मुख्य संरक्षक वन, रामपुर वन चक्र, रामपुर बशर, जिला शिमला (एच.पी.)
 एच.पी. (एल.एच.पी.) शिमला के लिए सूचना के लिए

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 Kot Dam HPS (FRL 642 m). In between Rampur HPS and proposed Sunni Dam Project, Lahri HEP Stage-I (nearly 50 km upstream) and Lahri Hydroelectric Project Stage -II (Between LHEP-I & 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 +71m 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. 709.56m. 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 & 7 months.</p>

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

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		<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+0.6800ha underground/National area) + 37.3859 ha. in Kotgarh Forest Division + 201.1520 ha (197.9575ha open surface area+3.1945ha underground/National area) in Karsog Forest Division) in various Khairi 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 (Khairi No. <u>324/1</u> (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.
(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 % LAOF 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

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		<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 Joint Inspection of site.</p> <p>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 Shikari Forest Division (158.6684 ha open surface area+0.6800ha underground/National area) + 37.3859 ha in Kotgarh Forest Division + 201.1520 ha (197.9575ha open surface area+3.1945ha underground/National area) in Karong Forest Division) of Govt./forest is bare minimum and cannot be escaped.</p>																																													
(v)	Cost benefit analysis (to be enclosed)	Enclosed																																													
(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 Ranpur, 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/ National area for Power House & 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>Total</td> <td>397.8863</td> <td>61.4042</td> <td>459.2905</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/ National area for Power House & D/Tunnel	3.8745	0	3.8745	7	Road to Quarry	2.3884	0	2.3884		Total	397.8863	61.4042	459.2905
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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 castes/schedules tribe families.	2 (two)																																													
(iii)	Rehabilitation plan (to be	The work for SIA (Social Impact Assessment) study for Sanni																																													

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.	
6.	Details of certificates/ documents enclosed as per instructions.	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 (PCA), Shimla
		9	NOCs From HPPWD Dept.
		10	NOC from wild life Shimla
		11	NOC from language and culture Department.
		12	NOCs From L&PH Dept.
		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 & Kartog forest divisions of Dist. Shimla & Dist. Mandi.
		16	Email regarding Acceptance of proposal by nodal officer-cum-CCF (PCA), 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 22/9/2019

Place Bithal

[Signature]

For & on behalf of SJVN Ltd

Authorized Signatory
(Name & Designation)

CGM/Head of Project
SJVN, LHEP, Bithal

Full title of project: LUMRI HYDRO ELECTRIC PROJECT, SJVN LIMITED Hydel
Sunni Dam Project FP/HP/HYD/31019/2017.

PART-II

(To be filled by the concerned deputy conservator of forests)

State Serial No. of Proposal

7.	Location of the project/scheme:	
(i)	State Union Territory.	H.P.
(ii)	District	Shimla
(iii)	Forest Division	Shimla
(iv)	Area of forest land proposed for diversion (in hector)	159.3484 ha.
(v)	Legal status of forest	U-24 Lunsu, U-21 Khaira, U-19 Jaise, U-14 Bharara, U-13 Oghi, U-10 Malgi, U-5 Pandoa & U-4 Gharyana.
(vi)	Density of vegetation	0.0575.
(vii)	Species-wise (scientific names) and diameter class-wise enumeration of trees (to be enclosed).	63-161
(viii)	Brief on vulnerability of the forest area to erosion.	Slightly vulnerable to erosion.
(ix)	Approximate distance of proposed site for diversion from boundary of forest	0.3
(x)	Whether forms part of National 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/ defence establishment or any other important monument is located in the area? If so, the details thereof with NOC from competent authority, if required.	No
8.	Whether the requirement of forestland as proposed by the user agency in col. 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 the Act has been carried out? If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is	No.

Full Title of the Project: Diversion of 397.8863 ha of Forest land for the construction of Sanni Dam IEP on Satluj River in favour of SJVN Ltd. within the jurisdiction of Shimla, Keoghri and Karnag Forest Divisions in District Shimla and Mandi, HP.

PART - III

(To be filled by the concerned Conservator of Forests)

14. Whether site, where the forestland involved in the Yes / No case is located has been inspected by the concerned Conservator of Forests? If yes, the date of inspection of observations made in the form of inspection note to be enclosed.	Yes. Inspection report attached at page No. <i>16A</i> .
15. Whether the concerned Conservator of Forests agrees with the information given in Part-II and the recommendations of the Deputy Conservator of Forests.	Yes, I agree with the recommendation of the concerned DFO.
16. Specific recommendations of the concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.	Recommended for approval under FCA, 1980.

Date: *02.12.20*

Place: Shimla-02.

Signature

Name: *R.K. Gupta (H/S)*

Office Seal

**Chief Conservator of Forests,
Shimla Forest Circle, Shimla**

Full title of project: Diversion of 397,8863 ha of Forest land for the construction of Sami Dam HEP on Sathij River in favour of SJVN Ltd. within the jurisdiction of Shimla, Kotgarh and Karsog Forest Divisions in District Shimla and Mandi, HP.

SITE INSPECTION REPORT OF CCF

[For the forest land to be diverted under FCA]

A proposal has been received under FCA, 1980 for diversion of 397,8863 ha. for of forest land for non forestry purpose for the construction of Sami Dam HEP on Sathij River in favour of SJVN Ltd. The site inspection of the forest land within the jurisdiction of Shimla Forest Division involved in the proposal has been done by me on dated 29.05.2020

1. The requirement of forest land (59,3484 ha. as proposed by the user agency in col. 2 of Part I is unavoidable and barest minimum required for the project.
2. No rare/endangered/unique species of flora fauna in the area.
3. No protected archaeological heritage site / defense establishment or any other important monument is located in the area.
4. The user agency has not violated the provision of forest (Conversion) Act, 1980 and no work has been started without proper sanction.

The proposal is recommended for approval.


R.K. Gupta, IFS
Chief Conservator of Forests
Shimla Forest Circle, Shimla
Chief Conservator of Forests,
Shimla Forest Circle, Shimla

11
1/E

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 or 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 [Handwritten Signature]
Name Rajesh Kumar Ekka
OFFICIAL SEAL

(+2)
(17)

Full title of the project: Sunni 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 11-2-20

Place Shimla

Recommended

aqf

Signature

Name

Official Seal
to the Secy. of Forest Deptt.

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° 14' 53" N and Long. 77° 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-Jhakra project. On the Downstream of Sunni Dam Hydroelectric project, lies the 800 MW Kot Dam HPS (FRL 642 m). In between Rampur HPS and proposed Sunni Dam Project, Lohri HEP Stage-I (nearly 50 km upstream) and Lohri 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 #71m 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 131.42 m.

Underground power house having size of 183.42 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.

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 follows: 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 Kangra Forest Division + 201.1520 ha (197.9575ha open surface area+ 3.1945ha underground/Notional area) in various Khatsa 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.


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

Total 27 (Twenty seven) No. of villages in 11 (eleven) No. of Panchayats in Shimla and Mandi Districts of Himachal Pradesh will be directly benefited 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	Karayali	Jarshi
			Bharara
		Chewel	Khaira
			Lansu
			Mungara
		Bhog	Bathaura
			Pandoye
			Grehana
		Ogli	Talah
			Ogli
			Kothi
		Kotgarh	Banshar
	Bhooth		
	Mogra		Talah
Dhunjhun			
Mandi	Karsog	Sartyola	Majharog
			Jaldeer
			Magan
		Bindla	Balog
		Parlog	Bhaunra (PRT)
			Fafan (उपखण्ड)
			Khuroch
			Parlog
		Shashot	Beludbank
		Nangj	Kharyali
			Charyn
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.

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

15
20

Employment likely to be generated from project

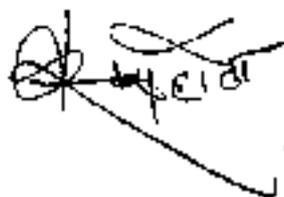
- a) Permanent/regular employment (No. of persons)

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



Head of Project
SJVN, LHEP, Bina



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

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 +95 m high above deepest foundation level across river Satluj near Khaim village and underground power house on the right bank.

A +95m high, concrete gravity dam from deepest foundation level +623m, with integral 6 nos. spillways having size of 8.5m (W) X 15.0m (H) have been proposed. The Full Reservoir Level has been kept at 710.0 m and Minimum Draw Down Level at El. 707.0m. 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 +200m inside the hill with a top cover of +300m.

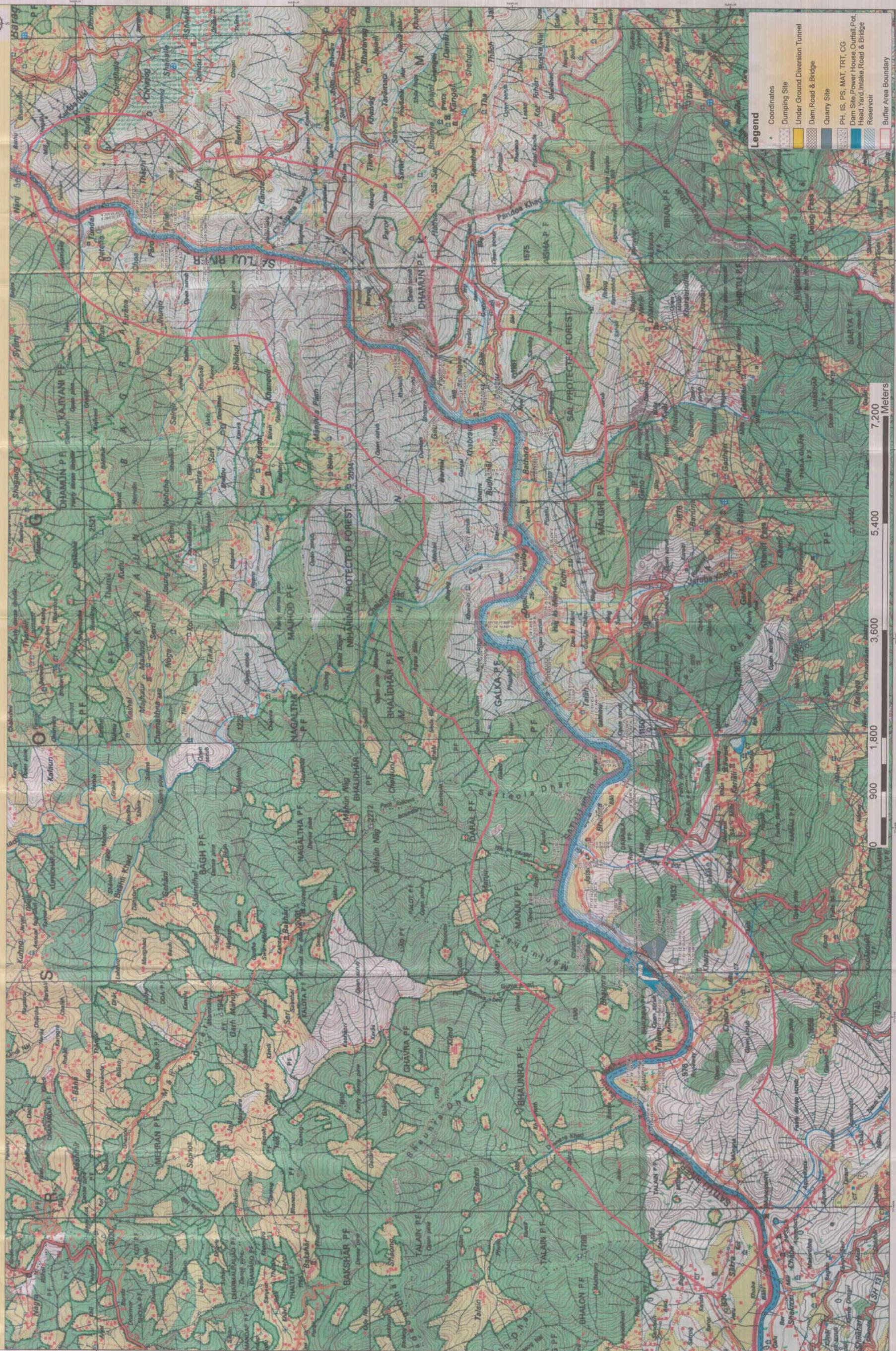
The project is estimated to cost 2555.71 Cr. including IDC and financing charges at June, 2019 price level. The Annual energy of the project calculated as 1381.77 GWh. The tariffs for the project are as below: 1st year Tariff 4.53/kWh, Levelised Tariff 4.16/kWh. The construction period of the project 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+ 0.6800ha underground/National area) + 37.3859 ha. in Pargah Forest Division + 200.4349 ha (197.2404 open surface area+ 3.1945ha underground/National area) in various Khats 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.


Er. Rajat Ragi
COMD of Project
SJVW, LHP, Shimla

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

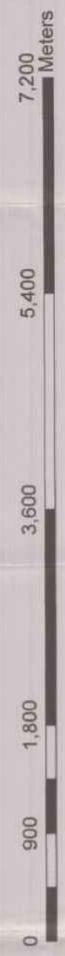
7,200
5,400
3,600
1,800
0
900
Meters

Scale: 1:50,000
Projection: UTM
Datum: Everest
Zone: 48 N
Units: Meter

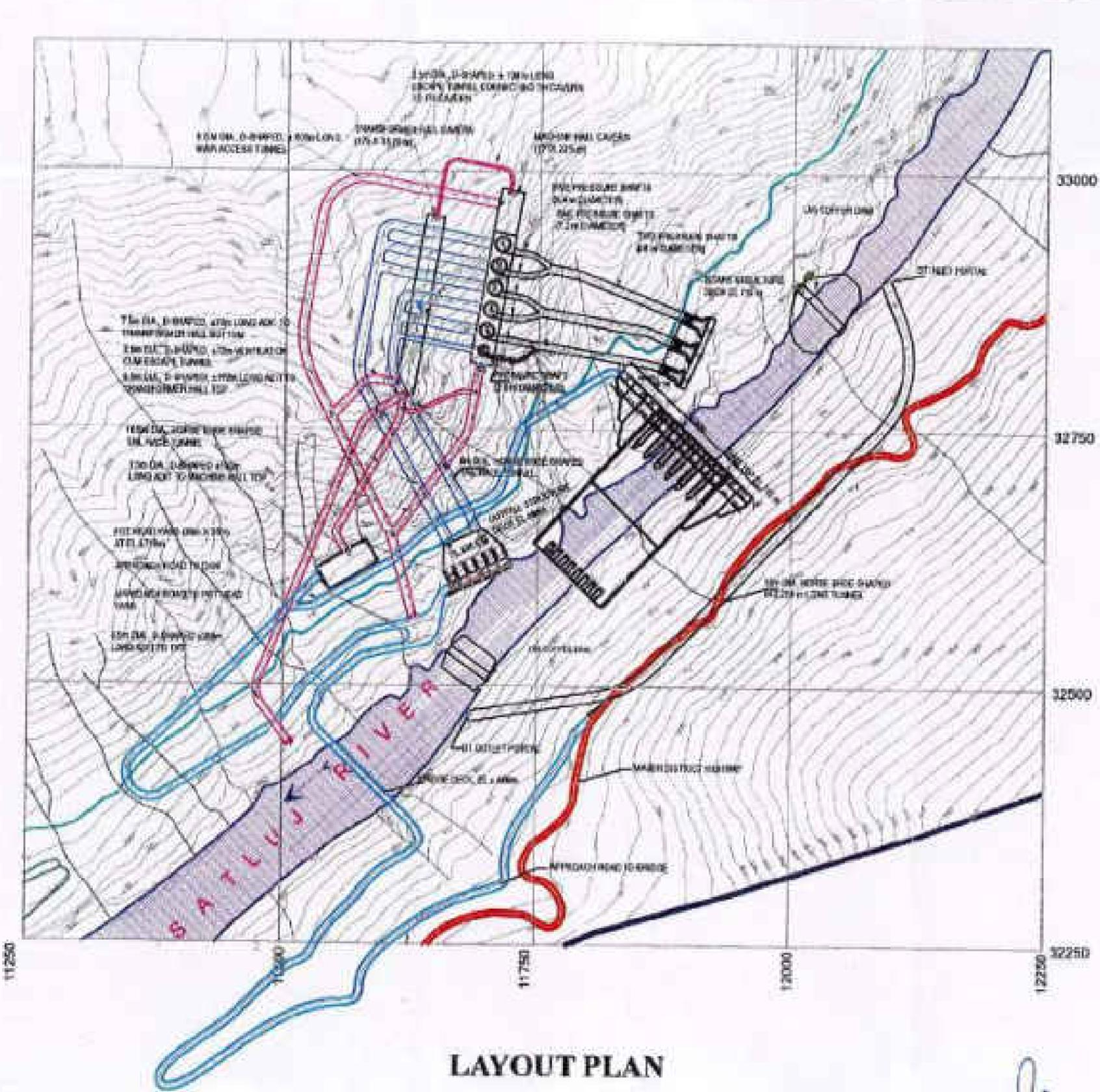
Digital Land Use Map in Respect of SJVN Limited for the Construction of Sunni Dam HEP (382 MW) Area identified for Diversion of Forest Land



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
	Localities
	Road
	Footpath
	Agriculture Land
	Forest
	Grass Land
	Plantation
	Rocky Land
	Shrub
	Open Land / Waste Land
	Builtup
	Bridge
	River
	Nallah
	Water Tank
	Dry River Bed



ERPA, Jharkhand
Coalfields Division
SJVN, Dhanbad



LAYOUT PLAN

NOTE
 1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 2. THE DAM WILL BE CONSTRUCTED WITHIN THE DAM AREA.
 3. THE DAM WILL BE CONSTRUCTED WITHIN THE DAM AREA.

DAM AXIS CO-ORDINATES (PP)		
POINTS	LONGITUDE	LATITUDE
P	77°12'34"	31°14'57"
P'	77°12'38"	31°14'57"

DAM AXIS CO-ORDINATES (PP)		
POINTS	EASTING	NORTHING
P	11889.321	32883.861
P'	11891.943	32883.813

TUNNEL DETAILS				
POINT	LOCATION	DEPTH LEVEL	EASTING	NORTHING
A	W/PORTAL	82.5	11821.891	32968.709
B	WT	58.5	11808.789	32848.771
C	WT	57.5	11818.878	32969.860
D	WT	67.5	11848.105	32763.385
E	WT END POINT	88.5	11708.114	32870.577
F	END POINT OF	87.5	11828.885	32768.288
G	CABLE TUNNEL	78.8	11881.223	32830.989
H	CABLE TUNNEL	87.5	11818.878	32764.863
I	END POINT OF	88.5	11882.792	32813.171
J	WT	58.5	11881.873	32838.841
K	WT	58.5	11828.877	32811.203
L	WT	58.5	11838.573	32885.884
M	CABLE TUNNEL	78.7	11805.884	32744.304
N	WT	58.5	11818.878	32768.081
O	WT	58.5	11818.878	32768.081
P	WT	58.5	11818.878	32768.081
Q	WT	58.5	11818.878	32768.081
R	WT	58.5	11818.878	32768.081
S	WT	58.5	11818.878	32768.081
T	WT	58.5	11818.878	32768.081
U	WT	58.5	11818.878	32768.081
V	WT	58.5	11818.878	32768.081
W	WT	58.5	11818.878	32768.081
X	WT	58.5	11818.878	32768.081
Y	WT	58.5	11818.878	32768.081
Z	WT	58.5	11818.878	32768.081

FOR DPR PURPOSE ONLY

SHREE RAM
 SPM LIMITED

श्री राम लिमिटेड (एस.एल.एस.)
 SHRI RAM LIMITED (SRL)

PROJECT LAYOUT PLAN

DATE	SCALE	BY	CHECKED
17/05/2024	1:1	E. R. L. NEGI	S. D. HEP
PROJECT NO.	PROJECT NAME	PROJECT LOCATION	PROJECT STATUS

27/5/24
 E. R. L. NEGI
 CGM/HOP
 S. D. HEP
 SJVN

**Full title of project: LUHRI HYDRO ELECTRIC PROJECT, SJVN LIMITED Hydel
Sunn I Dam Project FP/HP/HYD/31019/2017.**

CHECK LIST SERIAL NUMBER-07

S.No	District	Division	Range/Tehsil/ Village	Khasra/Survey or Compartment number of Km. Stone.	Forest Area Proposed for diversion (ha.)	Legal Status of Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Shimla	Shimla	Bhaji/Suni/ Lunsu	10	0.5542	U-24 Lunsu	
2.	Shimla	Shimla	Bhaji/Suni/ Lunsu	36	0.2431		
3	Shimla	Shimla	Bhaji/Suni/ Lunsu	654/354/1	3.2039		
4	Shimla	Shimla	Bhaji/Suni/ Khaira	247/1	10.0556	U-21 Khaira	
5	Shimla	Shimla	Bhaji/Suni/ Khaira	252	0.0417		
6	Shimla	Shimla	Bhaji/Suni/ Khaira	360/1	2.4143		
7	Shimla	Shimla	Bhaji/Suni/ Khaira	536/363/1	7.7386		
8	Shimla	Shimla	Bhaji/Suni/ Khaira	266	0.0537		
9	Shimla	Shimla	Bhaji/Suni/ Khaira	268	0.0872		
10	Shimla	Shimla	Bhaji/Suni/ Khaira	229	0.0444		
11	Shimla	Shimla	Bhaji/Suni/ Khaira	230	0.1934		
12	Shimla	Shimla	Bhaji/Suni/ Khaira	257	0.0464		
13	Shimla	Shimla	Bhaji/Suni/ Khaira	258	0.0364		
14	Shimla	Shimla	Bhaji/Suni/ Khaira	262	0.3173		
15	Shimla	Shimla	Bhaji/Suni/ Khaira	285	0.0052		
16	Shimla	Shimla	Bhaji/Suni/ Khaira	289	0.0126		
17	Shimla	Shimla	Bhaji/Suni/ Khaira	290	0.3130		
18	Shimla	Shimla	Bhaji/Suni/ Khaira	291	0.0143		
19	Shimla	Shimla	Bhaji/Suni/ Khaira	292	0.0220		
20	Shimla	Shimla	Bhaji/Suni/ Khaira	317	0.3726		
21	Shimla	Shimla	Bhaji/Suni/ Khaira	319	0.4507		
22	Shimla	Shimla	Bhaji/Suni/ Jaise	2/1	0.2729	U-19 Jaise Garoon	
23	Shimla	Shimla	Bhaji/Suni/ Jaise	3/1	1.7405		

			Jaise				
24	Shimla	Shimla	Bhaji/Suni/ Jaise	4/1	0.7959		
25	Shimla	Shimla	Bhaji/Suni/ Jaise	5/1	0.9620		
26	Shimla	Shimla	Bhaji/Suni/ Jaise	6/1	0.5452		
27	Shimla	Shimla	Bhaji/Suni/ Jaise	10	0.8711		
28	Shimla	Shimla	Bhaji/Suni/ Jaise	13/1	0.4228		
29	Shimla	Shimla	Bhaji/Suni/ Jaise	1091/115	0.1098		
30	Shimla	Shimla	Bhaji/Suni/ Jaise	226	0.0180		
31	Shimla	Shimla	Bhaji/Suni/ Jaise	230	0.0343		
32	Shimla	Shimla	Bhaji/Suni/ Jaise	231	0.0066		
33	Shimla	Shimla	Bhaji/Suni/ Jaise	370	0.0104		
34	Shimla	Shimla	Bhaji/Suni/ Jaise	383/1	0.8784		
35	Shimla	Shimla	Bhaji/Suni/ Jaise	458/1	0.8307		
36	Shimla	Shimla	Bhaji/Suni/ Jaise	476/1	0.0081		
37	Shimla	Shimla	Bhaji/Suni/ Jaise	490	0.0119		
38	Shimla	Shimla	Bhaji/Suni/ Jaise	491	0.0053		
39	Shimla	Shimla	Bhaji/Suni/ Jaise	502/1	0.0077		
40	Shimla	Shimla	Bhaji/Suni/ Bharara	1/1	0.0958	U-14 Bharara	
41	Shimla	Shimla	Bhaji/Suni/ Bharara	19/1	0.9911		
42	Shimla	Shimla	Bhaji/Suni/ Bharara	25	0.4930		
43	Shimla	Shimla	Bhaji/Suni/ Bharara	27	0.1912		
44	Shimla	Shimla	Bhaji/Suni/ Bharara	401	4.3539		
45	Shimla	Shimla	Bhaji/Suni/ Bharara	427	0.2573		
46	Shimla	Shimla	Bhaji/Suni/ Bharara	429	0.2775		
47	Shimla	Shimla	Bhaji/Suni/ Bharara	439	0.1353		
48	Shimla	Shimla	Bhaji/Suni/ Bharara	483/1	0.0136		
49	Shimla	Shimla	Bhaji/Suni/ Bharara	845/489/1	4.1769		
50	Shimla	Shimla	Bhaji/Suni/ Bharara	446/489/1	0.3902		
51	Shimla	Shimla	Bhaji/Suni/ Taha	291/1	3.7596		
52	Shimla	Shimla	Bhaji/Suni/ Taha	288/1	0.2515		

53	Shimla	Shimla	Bhaji/Suni/ Taha	56/1	1.9257		
54	Shimla	Shimla	Bhaji/Suni/ Taha	4	0.1503		
55	Shimla	Shimla	Bhaji/Suni/ Taha	383/1	0.2777		
56	Shimla	Shimla	Bhaji/Suni/ Taha	11/1	0.0038		
57	Shimla	Shimla	Bhaji/Suni/ Taha	384	0.4454		
58	Shimla	Shimla	Bhaji/Suni/ Taha	389	4.0469		
59	Shimla	Shimla	Bhaji/Suni/ Taha	463/1	1.1363		
60	Shimla	Shimla	Bhaji/Suni/ Ogli	108/1	1.1491	U-13 Ogli	
61	Shimla	Shimla	Bhaji/Suni/ Ogli	913/351	0.1540		
62	Shimla	Shimla	Bhaji/Suni/ Ogli	914/351/1	0.2092		
63	Shimla	Shimla	Bhaji/Suni/ Ogli	914/351/2	0.0228		
64	Shimla	Shimla	Bhaji/Suni/ Ogli	912/351/1	6.6533		
65	Shimla	Shimla	Bhaji/Suni/ Ogli	455/1	3.1245		
66	Shimla	Shimla	Bhaji/Suni/ Ogli	458	0.0110		
67	Shimla	Shimla	Bhaji/Suni/ Ogli	460	0.0246		
68	Shimla	Shimla	Bhaji/Suni/ Ogli	461	0.0126		
69	Shimla	Shimla	Bhaji/Suni/ Ogli	467	0.0324		
70	Shimla	Shimla	Bhaji/Suni/ Ogli	470	0.0066		
71	Shimla	Shimla	Bhaji/Suni/ Ogli	805/1	0.5334		
72	Shimla	Shimla	Bhaji/Suni/ Ogli	818/1	0.1134		
73	Shimla	Shimla	Bhaji/Suni/ Kothi	4/1	0.9866		
74	Shimla	Shimla	Bhaji/Suni/ Kothi	602	0.0861		
75	Shimla	Shimla	Bhaji/Suni/ Kothi	609/1	3.0408		
76	Shimla	Shimla	Bhaji/Suni/ Kothi	23/1	0.0999		
77	Shimla	Shimla	Bhaji/Suni/ Kothi	601	0.0129		
78	Shimla	Shimla	Bhaji/Suni/ Malgi	72	0.2468	U-10 Malgi	
79	Shimla	Shimla	Bhaji/Suni/ Malgi	199	0.2059		
80	Shimla	Shimla	Bhaji/Suni/ Malgi	596	0.1482		
81	Shimla	Shimla	Bhaji/Suni/ Malgi	597/1	0.4375		
82	Shimla	Shimla	Bhaji/Suni/ Bathora	2/1	0.4946		

83	Shimla	Shimla	Bhaji/Suni/ Bathora	5	0.0281		
84	Shimla	Shimla	Bhaji/Suni/ Bathora	7	0.0189		
85	Shimla	Shimla	Bhaji/Suni/ Bathora	141/1	0.2437		
86	Shimla	Shimla	Bhaji/Suni/ Bathora	143	0.0468		
87	Shimla	Shimla	Bhaji/Suni/ Bathora	144	0.3584		
88	Shimla	Shimla	Bhaji/Suni/ Bathora	145	5.4078		
89	Shimla	Shimla	Bhaji/Suni/ Bathora	602/146	0.1076		
90	Shimla	Shimla	Bhaji/Suni/ Bathora	601/146/1	0.4880		
91	Shimla	Shimla	Bhaji/Suni/ Pandoa	1/1	0.6022	U-5 Pandoa	
92	Shimla	Shimla	Bhaji/Suni/ Pandoa	4	2.0233		
93	Shimla	Shimla	Bhaji/Suni/ Pandoa	8	0.1990		
94	Shimla	Shimla	Bhaji/Suni/ Pandoa	547/225	0.0857		
95	Shimla	Shimla	Bhaji/Suni/ Pandoa	546/225	1.2193		
96	Shimla	Shimla	Bhaji/Suni/ Gharyana	4/1	0.9424		
97	Shimla	Shimla	Bhaji/Suni/ Gharyana	5/1	2.4724		
98	Shimla	Shimla	Bhaji/Suni/ Gharyana	89/1	0.8081		
99	Shimla	Shimla	Bhaji/Suni/ Lunsu	35	0.1861		
100	Shimla	Shimla	Bhaji/Suni/ Lunsu	50	0.1480		
101	Shimla	Shimla	Bhaji/Suni/ Khaira	360/3/1	0.3279		
102	Shimla	Shimla	Bhaji/Suni/ Lunsu	37	0.2223		
103	Shimla	Shimla	Bhaji/Suni/ Jaise	232	0.0261		
104	Shimla	Shimla	Bhaji/Suni/ Lunsu	369	0.0070		
105	Shimla	Shimla	Bhaji/Suni/ Lunsu	492	0.00044		
106	Shimla	Shimla	Bhaji/Suni/ Lunsu	494	0.0030		
107	Shimla	Shimla	Bhaji/Suni/ Lunsu	116	0.1102		
108	Shimla	Shimla	Bhaji/Suni/ Lunsu	117	0.0066		
109	Shimla	Shimla	Bhaji/Suni/ Lunsu	118	0.0142		
110	Shimla	Shimla	Bhaji/Suni/ Lunsu	234	0.1069		
111	Shimla	Shimla	Bhaji/Suni/ Bharara	403	0.0951		
112	Shimla	Shimla	Bhaji/Suni/ Lunsu	486	0.0373		

113	Shimla	Shimla	Bhaji/Suni/ Talah	290	0.0194		
114	Shimla	Shimla	Bhaji/Suni/ Talah	5	0.0812		
115	Shimla	Shimla	Bhaji/Suni/ Talah	6	0.1513		
116	Shimla	Shimla	Bhaji/Suni/ Kothi	2	0.0078		
117	Shimla	Shimla	Bhaji/Suni/ Kothi	3	0.0208		
118	Shimla	Shimla	Bhaji/Suni/ Kothi	603	0.1228		
119	Shimla	Shimla	Bhaji/Suni/ Kothi	606	0.0154		
120	Shimla	Shimla	Bhaji/Suni/ Kothi	608	0.0198		
121	Shimla	Shimla	Bhaji/Suni/ Kothi	600	0.0392		
122	Shimla	Shimla	Bhaji/Suni/ Malgi	5	0.0017		
123	Shimla	Shimla	Bhaji/Suni/ Bathora	4	0.0832		
124	Shimla	Shimla	Bhaji/Suni/ Pandoa	5	0.0095		
125	Shimla	Shimla	Bhaji/Suni/ Pandoa	6	0.0095		
126	Shimla	Shimla	Bhaji/Suni/ Pandoa	215	0.0792		
127	Shimla	Shimla	Bhaji/Suni/ Khaira	238	9.0467		
128	Shimla	Shimla	Bhaji/Suni/ Khaira	361/1	0.1735		
129	Shimla	Shimla	Bhaji/Suni/ Khaira	205	0.0095		
130	Shimla	Shimla	Bhaji/Suni/ Ogli	1	3.7834		
131	Shimla	Shimla	Bhaji/Suni/ Ogli	7	3.8788		
132	Shimla	Shimla	Bhaji/Suni/ Ogli	8	1.1430		
133	Shimla	Shimla	Bhaji/Suni/ Jaise	224/1	0.0498		
134	Shimla	Shimla	Bhaji/Suni/ Jaise	503/1	0.0029		
135	Shimla	Shimla	Bhaji/Suni/ Bharara	25/1	1.9042		
136	Shimla	Shimla	Bhaji/Suni/ Bharara	400	3.8704		
137	Shimla	Shimla	Bhaji/Suni/ Ogli	224/1	0.0498		
138	Shimla	Shimla	Bhaji/Suni/ Bharara	404	0.0247		
139	Shimla	Shimla	Bhaji/Suni/ Bharara	217	0.0860		
140	Shimla	Shimla	Bhaji/Suni/ Bharara	443	0.0284		
141	Shimla	Shimla	Bhaji/Suni/ Bharara	467/1	0.0984		
142	Shimla	Shimla	Bhaji/Suni/ Talah	1	3.2536		

143	Shimla	Shimla	Bhaji/Suni/ Talah	2	3.7149		
144	Shimla	Shimla	Bhaji/Suni/ Talah	3	0.1494		
145	Shimla	Shimla	Bhaji/Suni/ Talah	451	4.2193		
146	Shimla	Shimla	Bhaji/Suni/ Ogli	1	3.5226		
147	Shimla	Shimla	Bhaji/Suni/ Ogli	2	6.5874		
148	Shimla	Shimla	Bhaji/Suni/ Ogli	454	0.0035		
149	Shimla	Shimla	Bhaji/Suni/ Kothi	1	1.8688		
150	Shimla	Shimla	Bhaji/Suni/ Malgi	1	4.5444		
151	Shimla	Shimla	Bhaji/Suni/ Pandoa	18	0.8924		
152	Shimla	Shimla	Bhaji/Suni/ Pandoa	214	7.1008		
153	Shimla	Shimla	Bhaji/Suni/ Pandoa	213	2.8259		
154	Shimla	Shimla	Bhaji/Suni/Kh aira	232	0.0499		
155	Shimla	Shimla	Bhaji/Suni/Jai shi	9	1.476		
156	Shimla	Shimla	Bhaji/Suni/Jai shi	505/1	0.0518		
157	Shimla	Shimla	Bhaji/Suni/ Gharyana	1	2.3276	U-4 Gharyana	
158	Shimla	Shimla	Open Surface		0.6800		
				Total	159-3484		

Place: Shimla
Dated:

Sushil Kumar, HPES.
Divisional Forest Officer,
Shimla Forest Division,

24
31

Full Title of the Project: **Sarai Dam Project (242 MP)**
 File No:
 Date of Proposal:

CHECK LIST SERIAL NUMBER: - 07

STATEMENT SHOWING DETAILS OF FROM LAND PROPOSED FOR DIVERSION

Sl. No	Source	Destination	Range/ Tehsil/Village	Akshay Survey or Compartments Number or Km. Sq.	Private Land proposed for Diversion (Hect)	Legal status of the Private Land	Remarks
1	2	3	4	5	6	7	8
1	0.0528	...	
	0.1177	...	
	0.0071	...	
	0.1720	...	
	0.1751	...	
	0.0170	...	
	0.1188	...	
	0.1771	...	
	0.2141	...	
	0.1188	...	
	0.2442	...	
	0.0187	...	
	0.0171	...	
	0.0060	...	
	0.1758	...	
	0.0447	...	
	0.0178	...	
	0.0371	...	
	0.0318	...	
	0.0471	...	
	0.0178	...	
	0.1329	...	
	0.0188	...	
	0.0114	...	
	0.1870	...	
	0.0313	...	
	0.0578	...	
	0.0213	...	
	0.0774	...	
	0.0402	...	
	0.0361	...	
	1.5472	...	
2	0.0218	...	
	0.0771	...	
	0.0008	...	
	0.1741	...	
	0.0214	...	
	0.0302	...	
	0.0228	...	
	0.1187	...	
	0.0171	...	

Engr. Neg
 Assistant of Project
 Sarai

...

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			24	80510	बालक शाला
			25	80527	बाला
			26	81009	बाला
			28	84262	बालक शाला
			30A	81074	बाला
			31	83818	बालक शाला
			31	80638	बालक शाला
			32	80661	बालक शाला
			33	80718	बालक शाला
			34	80627	बालक शाला
			35	80627	बालक शाला
			36	80627	बालक शाला
			37	80638	बालक शाला
			38	82278	बालक शाला
			39	80718	बालक शाला
			40	80712	बालक शाला
			41	80648	बालक शाला
			42	80661	बालक शाला
			43	80628	बालक शाला
			44	80682	बालक शाला
			45	80677	बालक शाला
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 In-charge of Project
 SJVN, LHP, Bithal

			28	0.0172	बारा जला
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			31	0.0222	बारा जला
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			98	0.0116	बारा जला
			99	0.0116	बारा जला
			100	0.0116	बारा जला

Dr. Rajendra Prasad
Minister of Project
GATE, GATE, Bihar

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			30	0.208	एक मिन
			31	0.211	एक मिन
			32	0.215	एक मिन
			33	0.217	एक मिन
			34	0.220	एक मिन
			35	0.222	एक
			36	0.224	एक
			37	0.226	दो गुणित मिन
			38	0.228	एक
			39	0.230	एक मिन
			40	0.232	एक मिन
			41	0.234	एक मिन
			42	0.236	एक मिन
				0.238	एक मिन
				0.240	दो गुणित मिन
				0.242	एक
			43	0.244	दो गुणित मिन
			44	0.246	एक मिन
			45	0.248	दो गुणित मिन
			46	0.250	
				0.252	एक मिन
				0.254	दो गुणित मिन
			47	0.256	दो गुणित मिन
			48	0.258	दो गुणित मिन
			49	0.260	दो गुणित मिन
			50	0.262	दो गुणित मिन
			51	0.264	दो गुणित मिन
			52	0.266	दो गुणित मिन
			53	0.268	एक मिन
			54	0.270	एक मिन
			55	0.272	एक मिन
			56	0.274	एक मिन
			57	0.276	एक मिन
			58	0.278	दो गुणित मिन
			59	0.280	दो गुणित मिन
			60	0.282	दो गुणित मिन
			61	0.284	एक मिन
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			64	0.290	दो गुणित मिन
			65	0.292	दो गुणित मिन
			66	0.294	एक मिन
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			68	0.298	एक मिन
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			70	0.302	दो गुणित मिन
			71	0.304	दो गुणित मिन
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			80	0.322	दो गुणित मिन
			81	0.324	दो गुणित मिन
			82	0.326	एक मिन
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			84	0.330	एक मिन
			85	0.332	दो गुणित मिन
			86	0.334	दो गुणित मिन
			87	0.336	एक मिन
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			90	0.342	दो गुणित मिन
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			94	0.350	एक मिन
			95	0.352	दो गुणित मिन
			96	0.354	दो गुणित मिन

Ministry of Project
LAMP, Ethal

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			12	0001	सात दिवस	
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 Government of Project
 Social Welfare, District

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			47	0.000	काय सेवा
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 GOVERNMENT OF PUNJAB
 CHIEF SECRETARY
 L-114, PHASE-1, GATE NO. 3
 SAHIBZAD ROAD, LAHORE

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Full Title of the Project: **Sinni Dam Project (382 MW).**
 File No. :
 Date of Proposal:

CHECK LIST SERIAL NUMBER: - 07

STATEMENT SHOWING DETAILS OF Private Land PROPOSED FOR DIVERSION

Sr. No	District	Division	Rango/ Tehsil/ Village	Khasra/ Survey or Compartment Number or Km. Sqm	Private Land proposed for Diversion (Ha)	Legal status of Non-Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Bihar	Bihar	near 2 nd mile 10th row	10	1.2583	used	
				100-1	1.2583		


 En. J. Negi
 GM/Head of Project
 SJVN, LHEP, Bihar



SJVN Limited

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

A Mini Ratna & Schedule "A" PSU

CI No. LA0101HP/198GO/0001409, Website: www.sjvn.co.in

Sunni Dam Hydro Electric Project

(An ISO 9001: 2015 Certified Project)

Certificate

It is to certify that the land in question recorded in the check list no.7 (i.e. list of private/non forest land) has not been recorded as forest in the revenue record.

For & on behalf of SJVN Ltd

Authorized Secretary
EC, RE, Non
COMES for Project
SJVN, Ltd. (P.O. 3)

Date: 01/06/2020
Place: Billaal

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19 06 15

		361 ✓	0.0143	Change/ Decision	Nil
		282 ✓	0.0070	Change/ Decision	Nil
		117 ✓	0.176	Change/ Decision	Nil
		119 ✓	0.0007	Change/ Decision	Nil
	Inter	171 ✓	0.2729	Change/ Decision	
		57 ✓	1.5025	Change/ Decision	Nil
		47 ✓	0.7939	Change/ Decision	
		57 ✓	0.9620	Change/ Decision	Nil
		67 ✓	0.3437	Change/ Decision	
		79 ✓	0.8711	Change/ Decision	
		137 ✓	0.4218	Change/ Decision	
		9 ✓	1.470	Change/ Decision	
		1090/113 ✓	0.1098	Change/ Decision	Nil
		226 ✓	0.1100	Change/ Decision	Nil
		200 ✓	0.0343	Change/ Decision	Nil
		218 ✓	0.0000	Gas Metering Point	
		170 ✓	0.0134	Change/ Decision	Nil
		303 ✓	0.0784	Change/ Decision	
		450 ✓	0.0207	Change/ Decision	Nil
		475 ✓	0.0081	Change/ Decision	
		490 ✓	0.0119	Change/ Decision	Nil
		491 ✓	0.0051	Change/ Decision	Nil
		402 ✓	0.0077	Change/ Decision	Nil
		505 ✓	0.0018	Gas Metering Point	
	Inter	171 ✓	0.0554	Gas Metering Point	
		180 ✓	0.9111	Change/ Decision	Nil
		25 ✓	0.0050	Change/ Decision	

Er. R. L. Negi
Head of Project
SJVNLHCP, Bhub.

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Er. R. L. Negi
Head of Project
SJVNLHCP, Bhub.

Handwritten initials

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		37 ✓	0.1942	Change	Damtion
		40 ✓	4.3539	Change	Damtion
		47 ✓	0.2572	Change	Damtion
		49 ✓	0.2775	Change	Site Damtion
		49 ✓	0.8353	Change	Damtion
		49 ✓	0.0156	Change	Damtion
		865/09/1 ✓	4.1700	Change	Damtion
		865/09/1 ✓	0.3902	Change	Damtion
	Tahit	2979 ✓	3.7296	Change	Damtion
		3881 ✓	0.2115	Gar Munka Nafak	
		361 ✓	1.9257	Change	Site Damtion
		4 ✓	0.1307	Change	Site Damtion
		3021 ✓	0.2777	Change	Damtion
		111 ✓	0.0628	Change	Site Damtion
		284 ✓	0.4454	Change	Damtion
		387 ✓	4.0469	Change	Damtion
		4021 ✓	1.1363	Change	Damtion
	Ogi	1081 ✓	1.1481	Change	Damtion
		913551 ✓	0.1540	Change	Damtion
		914351/2 ✓	0.0228	Change	Damtion
		914351/1 ✓	0.2583	Change	Damtion
		912351/1 ✓	6.6552	Change	Damtion
		4501 ✓	1.1241	Change	Damtion
		451 ✓	0.0119	Change	Site Damtion
		462 ✓	0.0246	Change	Site Damtion
		401 ✓	0.0126	Change	Site Damtion
		467 ✓	0.0724	Change	Site Damtion
		472 ✓	0.0186	Change	Site Damtion
		8051 ✓	0.5354	Change	Site Damtion
		8181 ✓	0.1134	Gar Munka Nafak	
	Kati	45 ✓	0.0001	Change	Site Damtion

Er. R. L. Negi
 Head of Project
 SJVN, LHP - Bina




 Er. R. L. Negi
 Head of Project
 SJVN, LHP - Bina

31 45 45

		605 ✓	0.0861	Chengah Darakhan
		606 ✓	1.0418	Chengah Darakhan
		257 ✓	1.0009	Gas Muskrat Khatol
		607 ✓	1.0129	Chengah Darakhan
	Magaj	75 ✓	1.2468	Chengah Darakhan
		100 ✓	1.3080	Gas Muskrat Khatol
		290 ✓	1.1482	Chengah Darakhan
		397 ✓	0.4370	Chengah Darakhan
	Hadhara	201 ✓	0.4996	Gas Muskrat Khatol
		3 ✓	0.0201	Chengah Darakhan
		7 ✓	0.0189	Chengah Darakhan
		141 ✓	0.2457	Chengah Darakhan
		143 ✓	0.0604	Chengah Darakhan
		144 ✓	0.1384	Chengah Darakhan
		145 ✓	1.4078	Chengah Darakhan
		602/146 ✓	0.1176	Chengah Darakhan
		603/146 ✓	0.4060	Chengah Darakhan
	Pandor	1/1 ✓	0.0922	Gas Muskrat Khatol
		4 ✓	2.0131	Chengah Darakhan
		8 ✓	0.1990	Chengah Darakhan
		54/223 ✓	0.0857	Chengah Darakhan
		56/223 ✓	1.2193	Chengah Darakhan
	Gadhin	41 ✓	0.0428	Chengah Darakhan
		51 ✓	2.0724	Chengah Darakhan
		401 ✓	0.8081	Gas Muskrat Khatol
	Kangah Jhangra	150	1.6108	Chengah Darakhan
		2	2.2682	Chengah Darakhan
	Magreg	01	8.0114	Chengah Darakhan
		62	1.5080	Chengah Darakhan
		674	0.0596	Gas Muskrat Khatol
		68	0.1171	Chengah Darakhan
		68	0.7133	Chengah Darakhan

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

ful.

Prasad

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

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		1	1.2130	Chargeh Description
		2	1.4711	Chargeh Description
		37	2.1182	Chargeh Description
		Total-	105.1501	
	Non-forest Land	28	5.0487	Gar Mankin Daryn ✓
		471	0.5735	Gar Mankin Daryn
		✓ 20	0.0990	Gar Mankin Daryn
		24	0.0171	Gar Mankin Daryn
		1 ✓	3.7834	Gar Mankin Daryn
		7 ✓	3.8788	Gar Mankin Daryn
		8 ✓	1.1430	Gar Mankin Daryn
		2241 ✓	0.0098	Gar Mankin Daryn
		5271 ✓	0.0075	Gar Mankin Daryn
		291 ✓	1.9842	Gar Mankin Daryn
		409 ✓	1.4791	Gar Mankin Daryn
		40	0.0297	Gar Mankin Daryn
		417	0.0000	Gar Mankin Daryn
		445	0.0084	Gar Mankin Daryn
		4671	0.0084	Gar Mankin Daryn →
		1	1.2526	Gar Mankin Daryn
		2 ✓	1.7148	Gar Mankin Daryn
		3 ✓	1.1999	Gar Mankin Daryn
		471 ✓	0.2183	Gar Mankin Daryn
		1 ✓	3.3226	Gar Mankin Daryn
		2	0.5774	Gar Mankin Daryn
		154 ✓	0.0025	Gar Mankin Daryn →
		1 ✓	1.0488	Gar Mankin Daryn
		1 ✓	0.5444	Gar Mankin Daryn
		18 ✓	0.2074	Gar Mankin Daryn
		214 ✓	1.2908	Gar Mankin Daryn
		211 ✓	1.0259	Gar Mankin Daryn
		1 ✓	2.1770	Gar Mankin Daryn
		2 ✓	2.0312	Gar Mankin Daryn →
		2 ✓	2.0021	Gar Mankin Daryn →
		218471	0.0100	Kisar Daryn
		21629	0.0000	Bakar Kalam
		1	0.1128	Gar Mankin Daryn
		11	1.1105	Gar Mankin Daryn
		81	1.0000	Gar Mankin Daryn
		2	1.7542	Gar Mankin Daryn
		Total-	18.8894	
	Encroached Land	71	0.22-23	Belind Daryn →

Er. R. L. Negi
Head of Project
S.J.V.N. LHEP, Gwal

Handwritten signature/initials

Er. R. L. Negi
Head of Project
S.J.V.N. LHEP, Gwal

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		22 ✓	0.0061	Bajcha	Bukhal
				Doyan Faldar	
		368 ✓	0.0170	Kayan Awal	
		480 ✓	0.0144	Bukhal Awal	
		480 ✓	0.0180	Bukhal Awal Doyan	Faldar
		116 ✓	0.1102	Bukhal Awal	
		117 ✓	0.0100	Bukhal Awal	
		118 ✓	0.0142	Bukhal Awal	
		231 ✓	0.1469	Bukhal Awal	
		403 ✓	0.0851	Bukhal Awal	
		480 ✓	0.0173	Bukhal Doyan	
		790 ✓	0.0194	Bukhal Doyan	
		73 ✓	0.0853	Bukhal Awal	
		6 ✓	0.1123	Bukhal Awal	
		2 ✓	0.0878	Bukhal Awal	
		2 ✓	0.0288	Bukhal Awal	
		602 ✓	0.1228	Bukhal Doyan	
		606 ✓	0.0134	Bukhal Awal	
		608 ✓	0.0198	Bukhal Doyan	
		610 ✓	0.0292	Bukhal Doyan	
		5 ✓	0.017	Kayan Doyan	
		4 ✓	0.0832	Kayan Awal	
		5 ✓	0.005	Gur Munkas Mhara	
		8 ✓	0.0075	Bajcha Faldar	
		215 ✓	0.0792	Bukhal Awal	
		87	0.0138	Kayan Doyan	
		Total	1.3113		

Er. R. L. Nogi
Head of Project
SJVN LHP Bahal

Order No. SM/BA/57/2013-18/24
Forwarded to the, AGM (Bas), East, Dam HEP, SJVN Ltd, Bahal, Tehsil
Baramulla, District Srinagar for further necessary action.

Deputy Commissioner,
Srinagar District Srinagar
Date: 24-08-18

Deputy Commissioner,
Srinagar District Srinagar

S. M. C. M.
R. L. Nogi
24/08/18

Er. R. L. Nogi
Head of Project
SJVN LHP Bahal

Handwritten initials and numbers in a circle.

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

Dated, Shimla-1 the 26th 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	

[Signature]
Deputy Commissioner,
Shimla

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

Dated: 26/10/2019.

[Signature]
Deputy Commissioner,
Shimla

Envt-325
02/11/19

[Handwritten notes]
S.M.A.
02/11/19

[Handwritten notes]
S.M.A.

[Signature]
Er. R.L. Negi
Chief of Project
LNS, LNEP, Bihal

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 area, 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 Shiwala Forest Division (158,6684 ha open surface area+0.6800ha

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

underground/National area) + 37,3859 ha. in Katgarh Forest Division + 201,1520 ha (197,9575ha open surface area+3,1943ha underground/National area) in Karnog Forest Division) of Govt./Forest is bare minimum and cannot be occupied.

Date 21/9/2020

Place Bithal

[Signature]

For & on behalf of SJVN Ltd

Authorized Signatory

(Name to be printed) **Er. R. L. Negi**

Officer **CGM/Head of Project**
SJVN, LHEP, Bithal

Countersigned by:-

[Signature]
Divisional Forest Officer,
_____ Forest Division,
Dist. _____ (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 (*158.3484 ha in Shinda Forest Division (158.6684 ha open surface area-0.5800ha underground/National area) + 37.1859 ha. in Kotgarh Forest Division + 201.1520 ha (197.9375ha open surface area+ 3.1945ha underground/National 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



For & on behalf of SJVN Ltd


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

Countersigned by:-


Divisional Forest Officer,
Divisional Forest Officer
Shinda Forest Division
SHIMLA

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 at right bank.

Alternative-1: Dam and surface toe Power House at left bank

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. But the study of catchment of nallas indicates that there will be potential danger of material flowing in the nalla 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 be very close to assume foundation of dam. *Therefore, Alternative-1 option is rejected.*

Alternative-2: Dam and underground power house at right bank

An option of dam +400m upstream of Alternative-1 dam site with underground power house has been studied. *The dam and power house are likely to be housed in quartzite and the same is adopted for further study.*

P. B. Singh

M. V. S.

[Signature]

Head of Project
SJVN, LHEP, Bithur

C. S.

Divisional Forest Officer
Shimla Forest Division
SHIMLA

[Signature]

[Signature]

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

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 15/11/2019

Place Rewali

For & on behalf of SJVN Ltd.

Authorized Signatory
(Name & Designation) _____
Office Seal _____

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:

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 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+0.6800ha underground/Notional area) + 37,3859 ha. in Kotgarh Forest Division + 201,1520 ha (197,9575ha open surface area+3.1945ha underground/Notional area) in Karnag 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 24/9/2020

Place Bithal

[Handwritten Signature]

For & on behalf of SJVN Ltd

[Handwritten Signature]
Authorized Signatory
Er. R. L. Negi
(Name of the Applicant)
CGM Head of Project
Office Seal
SJVN, LHEP, Bithal

Countersigned by:-

[Handwritten Signature]
Divisional Forest Officer,
Divisional Forest Officer
Shimla Forest Division
Office Seal
SHIMLA

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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/National area) + 37.3859 ha in Katgerh Forest Division + 201.1520 ha (197.9375 ha open surface area + 3.1943 ha underground/National 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

Er. R.L. Negi (Signature)

CGM Head of Project

SJVN, LHEP, Bithal

Countersigned by:-

[Signature]
Divisional Forest Officer,
Division of Forest Division,
Distt. Shimla (H.P.)
Office Seal



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 ISECO 9911/2008 Certified Project)

82

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 herby, 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

Sunri Dam HEP, Bithal

Distt. Shimla (H.P.)

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

Website :www.sjvn.nic.in, CIN:L40101HP1988GO1008409

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

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

E-mail:eevqsafetyhep@gmail.com

GENERAL ABSTRACT OF TREES

S.No.	Name of land	Name of Species (local)	Botanical Name	Girth in c.m. (Trees)										Total	Rate	Value
				0-10	10-20	20-30	30-40	40-50	60-70	80-90	More than 90					
1	U-4 Ghareina	B.L.		0	0	0	204	0	0	26	0	13	243	9726	325218	
		Volume		0	0	0	23.46	0	0	2.99	0	6.988	33.438			
		Shisham		0	0	0	76	0	0	26	0	19	121			
		Volume		0	0	0	8.74	0	0	2.99	0	7.36	19.09			42654
2	U-5 Pandoa	B.L.		0	0	0	731	0	0	119	0	63	913	9726	1217414	
		Volume		0	0	0	84.07	0	0	13.685	0	26.902	124.657			
		Shisham		0	0	0	265	0	0	52	0	17	334			
		Volume		0	0	0	30.48	0	0	5.98	0	6.367	42.827			42654
3	U-10 Maigi	Chil	Pinus roxburgii	0	0	0	1	0	0	1	0	0	2	36503	5329	
		Volume		0	0	0	0.073	0	0	0.073	0	0	0.146			
		B.L.		0	0	0	395	0	0	67	0	31	493			
		Volume		0	0	0	45.43	0	0	7.705	0	11.433	64.568			9726
4	U-13 Ogi	Shisham	Dalbergia sissoo	0	0	0	141	0	0	28	0	10	179	42654	960568	
		Volume		0	0	0	16.22	0	0	3.22	0	3.08	22.52			
		Chil	Pinus roxburgii	0	0	0	0	0	0	0	0	0	1			
		Volume		0	0	0	0	0	0	0	0	0	1.276			36503
5	U-14 Bharara	B.L.		0	0	0	1270	0	0	223	0	243	1736	9726	2792218	
		Volume		0	0	0	146.1	0	0	26.645	0	114.343	287.088			
		Shisham	Dalbergia sissoo	0	0	0	737	0	0	126	0	52	915			
		Volume		0	0	0	84.76	0	0	14.49	0	17.901	117.151			42654
6	U-14 Bharara	Shisham	Dalbergia sissoo	0	0	0	100	0	0	7	0	9	116	42654	698971	
		Volume		0	0	0	11.5	0	0	0.805	0	4.082	16.387			
		B.L.		0	0	0	150	0	0	103	0	65	318			
		Volume		0	0	0	17.25	0	0	11.845	0	48.1	77.195			9726

GENERAL ABSTRACT OF TREES COMING IN THE SUNI DAM NEP IN BHADR NAG														
Sl. No.	Name of forest	Species	Length	W	H	D1	D2	D3	D4	D5	D6	Total	Area	Perch
1	U-4 Ghuraha	SL	204	26	11	1	0	0	1	0		243		
		Volume	23.46	2.99	3.388	0.685	0	0	2.915	0	0	33.438	3726	175218
		Shoham	76	24	15	4	0	0	0	0	0	121		
		DeBergia stock												
		Volume	8.74	2.99	4.63	2.74	0	0	0	0	19.26	41654	814264.9	
2	U-5 Pardoa	SL	731	119	49	10	4	0	0	0		913		
		Volume	84.07	13.885	25.092	6.85	4.96	0	0	0	0	124.559	3726	1112404
		Shoham	265	52	24	3	0	0	0	0	0	344		
		DeBergia stock												
		Volume	30.48	5.98	4.312	1.055	0	0	0	0	42.812	41654	1826580	
3	U-10 Malgi	Oak/Pinus	1	1	0	0	0	0	0	0		2		
		DeBergia												
		Volume	0.073	0.073	0	0	0	0	0	0	0	0.146	36503	5329
		SL	395	67	26	5	0	0	0	0		493		
		Volume	45.43	7.705	8.008	2.425	0	0	0	0	0	64.563	3726	627939.7
		Shoham	141	28	30	0	0	0	0	0	0	179		
		DeBergia stock												
		Volume	16.23	3.22	3.08	0	0	0	0	0	22.515	41654	980354.8	
4	U-13 Ogl	Oak/Pinus	0	0	0	0	1	0	0	0		1		
		DeBergia												
		Volume	0	0	0	0	1.28	0	0	0	0	1.274	36503	465.78
		SL	1770	223	391	56	5	8	3	0	0	2756		
		Volume	146.1	25.645	58.828	24.66	6.21	15.9	8.785	0	0	286.012	3726	2781762
		Shoham	787	128	47	5	0	0	0	0	0	915		
		DeBergia stock												
		Volume	84.78	14.46	14.476	3.425	0	0	0	0	117.848	41654	1896745	
5	U-14 Bharwa	Shoham	300	7	7	1	1	0	0	0		318		
		DeBergia stock												
		Volume	11.5	0.806	2.156	0.485	1.24	0	0	0	0	18.387	41654	688371.1
		SL	150	103	40	20	0	1	0	3	1	319		
		Volume	17.25	11.848	13.32	13.7	0	1.98	0	14	6	81.135	3726	789319
6	U-19 Goran Bahi	Shoham	365	26	14	1	0	0	0	0		406		
		DeBergia stock												
		Volume	18.98	2.99	4.312	0.485	0	0	0	0	0	28.962	41654	1150037
		SL	1424	114	113	9	1	1	1	0	0	1663		
		Volume	163.8	19.11	24.804	6.188	1.24	1.99	2.915	0	221.98	3726	2178429	
7	U-21 Khaia	Oak/Pinus	0	34	14	3	0	0	0	0		41		
		DeBergia												
		Volume	0	1.752	4.312	2.133	0	0	0	0	0	8.197	36503	299215.1
		SL	789	77	76	10	5	2	3	3	2	967		
		Volume	80.74	8.855	23.408	6.85	4.23	3.97	8.785	14	12	174.92	3726	1700299
8	U-24 Lunzu	Shoham	1	4	5	0	0	0	0	0		10		
		DeBergia stock												
		Volume	0.115	0.44	1.54	0	0	0	0	0	0	2.115	41654	90213
		SL	267	87	33	4	0	0	0	0	0	391		
		Volume	30.71	30.085	10.184	2.76	0	0	0	0	53.614	3726	523449.8	
		Total Trees	6716	1119	865	112	17	12	8	6	3	8659		
GENERAL ABSTRACT														
	Oak	1	23	14	3	1	0	0	0	0	0	44	0	0
	SL	3230	814	589	95	15	12	8	6	3	6724	0	0	0
	Shoham	1485	269	112	14	1	0	0	0	0	1881	0	0	0
	G.Total	6716	1119	865	112	17	12	8	6	3	8649			8.0792544

Divisional Forest Officer,
Sunda Forest Division.

General Abstract of Forest D-4, Cirebon

Enumeration list of green standing trees coming in the acquisition of SJVN Sorel Dam HEP.

Sr. No	Species		Sapling	Class					Total (Vol-M ³)	
				V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	II-A (Vol-M ³)	II-B (Vol-M ³)		I-A (Vol-M ³)
1	Melinis	Num.	10	16	15	4			45	
		Vol.		2,990	4,620	2,340			10,150	
2	Jambu	Num.		2				1	3	
		Vol.		0,230				2,918	3,148	
3	Bawal	Num.	15	1					1	
		Vol.		0,115					0,115	
4	Kiriuk	Num.	19	1	1				4	
		Vol.		0,345	0,308				0,653	
5	Euryal	Num.		1					1	
		Vol.		0,115					0,115	
6	Trembal	Num.			1				1	
		Vol.			0,308				0,308	
7	Baleja	Num.	32	7	2				9	
		Vol.		0,805	0,618				1,423	
8	Pekaka	Num.	21	3	3				6	
		Vol.		0,375	0,924				1,299	
9	Juwanda	Num.		1	2				3	
		Vol.		0,115	0,616				0,731	
10	Kumbal	Num.	63	3	1				6	
		Vol.		0,573	0,308				0,881	
11	Sawit	Num.				1			1	
		Vol.				0,075			0,075	
12	Duga	Num.	2	1					1	
		Vol.		0,115					0,115	
13	Luwat	Num.	33		1				1	
		Vol.			0,308				0,308	
G. Total		Num.	200	52	26	5	0	0	1	84
		Vol.		5,980	8,008	3,175	0,000	0,000	2,918	20,081

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B. H. H. H.

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District Forest Office
District Forest Office
DFO

General Abstract of Forest U-S, Panna

Enumeration of green standing trees existing in the acquisition of SJVN Sarni Dam HEP.

Sr. No.	Species		Sppling	Class						Total (Vol-M ³)	
				V (No-M ³)	IV (No-M ³)	III (No-M ³)	II-A (No-M ³)	II-B (No-M ³)	I-A (No-M ³)		
1	Shikun	No.	265	32	14	3				69	
		Vol.		5,980	4,312	1,200				12,192	
2	Khat	No.	8	3	1					6	
		Vol.		0,125	0,118					0,243	
3	Aakha	No.	3	2						3	
		Vol.		0,375						0,375	
4	Dhad	No.	97	15	4					19	
		Vol.		1,325	1,332					2,657	
5	Dha	No.	10	2						2	
		Vol.		0,230						0,230	
6	Chhat	No.	77	13	5	2	1			21	
		Vol.		1,405	1,540	1,770	1,200			5,345	
7	Sarni	No.	22	5	2	1				8	
		Vol.		0,575	0,924	0,635				2,134	
8	Dil	No.	19	4						4	
		Vol.		0,460						0,460	
9	Dul	No.	20	5	3					8	
		Vol.		0,690	0,924					1,614	
10	Haga	No.	40	2	6					8	
		Vol.		0,230	1,848					2,078	
11	Sarni	No.	11	1						1	
		Vol.		0,115						0,115	
12	Tandi	No.	2	1	3					4	
		Vol.		0,345	0,924					1,269	
13	Kumbal	No.	117	7						7	
		Vol.		0,865						0,865	
14	Fakta	No.	87	17	4					21	
		Vol.		1,955	1,212					3,167	
15	Bajra	No.	100	27	14	5				46	
		Vol.		3,165	4,312	1,175				10,392	
16	Sarni	No.	13		1		1			2	
		Vol.			0,308		1,241			1,549	
17	Dul	No.	4	4						4	
		Vol.		0,460						0,460	
18	Haga	No.	3		1					1	
		Vol.			0,308					0,308	
19	Sarni	No.		2						2	
		Vol.		0,230						0,230	
20	Bhara	No.			2	2	2			6	
		Vol.			0,616	1,270	2,452			4,338	
21	Aakha	No.	23	1	2					3	
		Vol.		0,115	0,616					0,731	
22	Tul	No.	3							0	
		Vol.								0,000	
23	Chamra	No.	8							0	
		Vol.								0,000	
24	Khat	No.	11							0	
		Vol.								0,000	
25	Sarni	No.	24							0	
		Vol.								0,000	
26	Lacaria	No.	14							0	
		Vol.								0,000	
C. Total		No.	996	171	63	13	4	6	6	251	
		Vol.		19,385	13,214	8,255	4,964	8,609	9,000	51,548	M ³

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S. J. Singh
S. J. Singh
S. J. Singh

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General Analysis of Forest U-18, Madhya Pradesh

Concentration of acid bases according to the procedure of KJFV (Kjeldahl) and HEP

Sr. No	Species		Sampling	C/Nm								Total (V ₀ -V ₁)	
				V (ml. N/100)	V' (ml. N/100)	H ₂ (ml. N/100)	H ₂ A (ml. N/100)	H ₂ B (ml. N/100)	I-A (ml. N/100)	I-B (ml. N/100)	I-C (ml. N/100)		I-D (ml. N/100)
1	Adiantum	Non	10	10	10								10
		Vol		1.10	1.00								
2	Cela	Non	1										1
		Vol			1.10								
3	Cela	Non	1	1									1
		Vol		0.10									
4	Cela	Non											0
		Vol			1.10	0.15							
5	Cela	Non	10	0	1	1							0
		Vol		0.90	0.10	0.15							
6	Cela	Non		1	1								1
		Vol		0.10	0.15								
7	Cela	Non	10	1									1
		Vol		0.10									
8	Cela	Non	10	10	1	1							10
		Vol		1.00	0.15	1.10							
9	Cela	Non		1	1								1
		Vol		0.10	0.15								
10	Cela	Non	10	10	4	1							10
		Vol		1.00	1.10	0.05							
11	Cela	Non	10	1	1								1
		Vol		1.00	0.15								
12	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
13	Cela	Non	1		1								1
		Vol			0.10								
14	Cela	Non	1	1									1
		Vol		0.10									
15	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
16	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
17	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
18	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
19	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
20	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
21	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
22	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
23	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
24	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
25	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
26	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
27	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
28	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
29	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
30	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
31	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
32	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
33	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
34	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
35	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
36	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
37	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
38	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
39	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
40	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
41	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
42	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
43	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
44	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
45	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
46	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
47	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
48	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
49	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
50	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
51	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
52	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
53	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
54	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
55	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
56	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
57	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
58	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
59	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
60	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
61	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
62	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
63	Cela	Non	10	1	1								1
		Vol		0.10	0.10								
64	Cela	Non	10	1	1								

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General Abstract of Forest NDFF-13, Ogd. Form

Enumerated list of grass standing trees standing in the description of MGN(Broad Base) HCP.

Sl. No	Species		Treeing	Class								Total (Value)	
				1A (m ²)	1B (m ²)	1C (m ²)	1D (m ²)	1E (m ²)	1F (m ²)	1G (m ²)	1H (m ²)		
1	Shorea	Tree	731	125	47	1							176
		Vol		18,498	11,476	1,723							31,697
2	Clal	Tree				1							1
		Vol					1,236						1,236
3	Garu	Tree	48	18	18	5		1	1				43
		Vol		1,940	2,880	1,723		1,981	1,411				7,135
4	Sesal	Tree	17				2	1					3
		Vol					2,482	1,981					4,463
5	Sawal	Tree	18	2	1								3
		Vol		8,235	8,208								16,443
6	Daru	Tree	44	1	4								5
		Vol		8,918	1,731								10,649
7	Dal	Tree	85	19	21	7	1	1	2				28
		Vol		1,178	2,661	4,445	1,761	9,921	15,021				30,927
8	Amla	Tree		1									1
		Vol		8,400									8,400
9	Jau	Tree	24	11	1								12
		Vol		1,289	8,208								9,497
10	Palua	Tree	121	58	105	15	1						189
		Vol		5,385	37,648	9,025	1,261						53,319
11	Karam	Tree	672	37	4	1							42
		Vol		1,231	1,711	823							3,765
12	Bilaga	Tree	86	34	19	2							37
		Vol		5,918	1,852	1,771							9,541
13	Saru	Tree	27	18	2	1							21
		Vol		1,170	1,090	871							3,131
14	Garu	Tree	16	2									2
		Vol		8,235									8,235
15	Taru	Tree		1	1								2
		Vol		8,112	8,708								16,820
16	Cherach	Tree		1	1								2
		Vol		8,112	8,708								16,820
17	Chal	Tree		4									4
		Vol		8,400									8,400
18	Dal	Tree		1	1	1							3
		Vol		8,400	8,708	8,411							25,519
19	Sesal	Tree	23	1	1								2
		Vol		8,112	8,708								16,820
20	Laru	Tree	17	2	1								3
		Vol		2,571	8,708								11,279
21	Amla	Tree			1	1							2
		Vol			8,708	8,411		1,981					11,100
22	Saru	Tree		1									1
		Vol		8,112									8,112
23	Dal	Tree	4	14	1								15
		Vol		1,618	1,548								3,166
24	Mung	Tree					1						1
		Vol					1,261						1,261
25	Garu	Tree	25		4								4
		Vol			1,231								1,231
26	Karam	Tree											1
		Vol			8,208								8,208
27	Taru	Tree	39										39
		Vol											39
28	Laru	Tree	18										18
		Vol											18
29	Dal	Tree	2										2
		Vol											2
G. Total		Tree	1007	318	276	41	8	4	2	5	8	1	65
		Vol		48,178	75,348	24,071	7,061	15,281	25,021	9,801	8,090	8,800	185,641

Himaj
S/o Himaj
Kad
Bo Himari

[Signature]
Forest Officer
Forest Range

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General Account of Forest Dept, Mysore

Comprehensive list of goods standing stock existing in the properties of R.F.V.S. (Sams) (Form III)

Co. No	Name		Quantity	Class								Total (Rupees)
				V (Rupees)	IV (Rupees)	III (Rupees)	II-B (Rupees)	II-A (Rupees)	I-B (Rupees)	I-C (Rupees)	I-D (Rupees)	
1	Cedar	No.	21	10								31
		Val	8,750	1,100								9,850
2	Mango	No.	1	1	1	1						4
		Val	8,100	1,100	500	1,200						11,000
3	Pine	No.	11	1	1							13
		Val	3,700	1,300	500							5,500
4	Eucaly	No.	1		1							2
		Val	8,200	8,000	500							16,700
5	Jamb	No.	11	12	1							24
		Val	1,100	1,000	1,000							3,100
6	Santal	No.	1	1	1							3
		Val	8,110	1,210	1,000							10,320
7	Santal	No.	1									1
		Val		8,000								8,000
8	Santal	No.	1	1	1					1		4
		Val	9,400	1,000	1,000					8,000		12,400
9	Jamb	No.	1									1
		Val	8,110									8,110
10	Bil	No.	1									1
		Val	8,110									8,110
11	Bil	No.	1									1
		Val	8,300									8,300
12	Jamb	No.	1		1							2
		Val	8,110		1,200							9,310
13	Lemon	No.	1									1
		Val	8,110									8,110
14	Eucaly	No.	1	1			1					3
		Val	8,200	1,500			1,000					10,700
15	Jamb	No.	1									1
		Val	8,110									8,110
16	Jamb	No.	1									1
		Val	8,110									8,110
17	Jamb	No.	1									1
		Val		8,200								8,200
18	Jamb	No.			1						1	2
		Val			5,500						8,000	13,500
19	Pine	No.							1	1		2
		Val							1,000	1,000		2,000
20	Teak	No.	1									1
		Val	8,110									8,110
21	Jamb	No.	1		1							2
		Val	8,200		1,000							9,200
22	Jamb	No.	1									1
		Val	8,110									8,110
23	Jamb	No.	1									1
		Val	8,110									8,110
24	Jamb	No.										0
		Val										0
G. Total		No.	100	41	31	1	1		1	1	1	145
		Val	8,870	12,570	13,215	1,200	1,000		1,000	11,500	8,000	43,345

Channappa G. G. C. Mysore

Dr. B. M. Srinivas


 Deputy Forest Officer
 Mysore Forest Range
 Mysore

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General Account of Funds L-15, Greenfield

Classification: List of green building materials to be completed of SPSN North-Ham HEP.

In. No	Species		Quantity	Class								Total (Value)	
				IV (m ²)	IV (m ²)	III (m ²)	IIA (m ²)	IIA (m ²)	IE (m ²)	IB (m ²)	IC (m ²)		IB (m ²)
1	Diplo	Qty	101	2	14	1							17
		Val.		2,950	4,111	1,211							
2	Acum	Qty	42	8	1								9
		Val.		8,920	8,328								
3	CIBU	Qty	22	1	8								9
		Val.		8,111	1,848								
4	Pocyp	Qty				1							1
		Val.						8,100					
5	Pocyt	Qty	108	31	42	1							74
		Val.		8,441	19,075	8,111							
6	Pocyt	Qty			1	1							2
		Val.					8,100	8,111					
7	Acutis	Qty		1	1								2
		Val.		8,111	8,100								
8	Acutis	Qty	19	1									1
		Val.		8,111									
9	Diplo	Qty	121	11	20								31
		Val.		2,300	8,941								
10	Sarcod	Qty	18		2	1	1	1					5
		Val.					8,116	1,220	1,744	1,800			
11	Dip	Qty			1	1							2
		Val.					8,224	8,111					
12	Sarc	Qty	88	2									2
		Val.		8,740									
13	Tremat	Qty	18	4	8					1			13
		Val.		8,440	1,848						8,200		
14	Sarc	Qty			1								1
		Val.					8,116						
15	Dip	Qty		4	1	1							6
		Val.		8,440	8,100	1,220							
16	Sarc	Qty	114	1	8								9
		Val.		8,100	1,848								
17	Caryo	Qty	80										
		Val.		8,111									
18	CIBU	Qty	104	5									5
		Val.		8,275									
19	Trem	Qty	22	1		1							2
		Val.		8,285		8,111							
20	Pocyp	Qty	14	2	1								3
		Val.		8,200	8,100								
21	Kostel	Qty	120	1									1
		Val.		8,111									
22	Diplo	Qty	88	2	1								3
		Val.		8,285	8,100								
23	Diplo	Qty	98										
		Val.											
24	Diplo	Qty	110										
		Val.											
25	Dip	Qty	14										
		Val.											
26	Karyo	Qty	1										
		Val.											
27	Dip	Qty	28										
		Val.											
28	Lacris	Qty	88										
		Val.											
G Total		Qty	1482	148	122	18	1	1	8	1	8	8	208
		Val.		14,388	19,124	6,550	1,241	1,000	8,400	8,200	1,800	1,000	68,813

Chacornalga
P/O/c Karyali

pis
behind

(Signature)
Diplo
Karyo
Diplo
Diplo

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General Method of Forest Unit, Kuala Lumpur

Enumeration: list of species standing trees coming in the acquisition of 100% forest area NEP.

No.	Species	Supply	Class									Total (No. of)	
			V (m ³)	D (m ³)	H (m ³)	D-A (m ³)	D-B (m ³)	F-A (m ³)	F-B (m ³)	F-C (m ³)	F-D (m ³)		
1.	DM	No.	25	14	2								41
		Vol.	1,702	4,112	1,362								3,476
2.	KD	No.	4	1									5
		Vol.	0,081	0,118									0,200
3.	Korlat	No.				1	1						2
		Vol.				1,241	1,965						3,206
4.	Korlat	No.		2									2
		Vol.		0,219									0,600
5.	Merul	No.	4										4
		Vol.	0,048	0,258									0,306
6.	Carul	No.	2	1									3
		Vol.	0,220	0,418									0,638
7.	Korlat	No.	1										1
		Vol.	0,118										0,118
8.	Korlat	No.	1										1
		Vol.	0,118										0,118
9.	Carul	No.	2	1									3
		Vol.	0,220	0,201									0,421
	Korlat	No.	1	2									3
		Vol.	0,118	0,418									0,536
10.	Carul	No.	8	4									12
		Vol.	0,098	1,731									1,829
11.	Blk	No.		1									1
		Vol.		0,418									0,418
12.	Petala	No.	41	42	2								85
		Vol.	4,713	12,156	1,290								18,159
13.	Artem	No.	1	1									2
		Vol.	0,118	0,201									0,319
14.	DM	No.	2	2	2	1	1	1					7
		Vol.	0,220	0,418	2,475	1,241	1,965	2,918					10,238
15.	Merul	No.	4	4	2								10
		Vol.	0,220	1,771	1,071								3,062
16.	Carul	No.		2									2
		Vol.		0,418									0,418
17.	Carul	No.		1									1
		Vol.		0,201									0,201
18.	Carul	No.		2			1						3
		Vol.		0,418			1,241						1,659
19.	Carul	No.		1									1
		Vol.		0,201									0,201
20.	Petala	No.			1								1
		Vol.			0,675								0,675
21.	Carul	No.				2		2		1	2		7
		Vol.				2,482		3,846		11,562	12,008		24,198
22.	Carul	No.											0
		Vol.											0,000
23.	Artem	No.											0
		Vol.											0,000
Σ Total		No.	181	181	11	5	1	3	11	3	2		317
		Vol.	10,240	27,539	8,707	4,240	3,171	8,714	6,400	12,562	13,008		61,477

Charmat
S/kearyals

For
Bakini

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GENERAL ABSTRACT OF FOREST U-24, LUNSU

Enumeration list of green standing trees coming in the acquisition of SJVN Sunol Dam HEP.

Sr. No	Species		Suppling	Class			Total (Vol-M ³)
				V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	
1	Shidam	Nos.	1	4	5		9
		Vol.		1.460	1.540		2.000
2	Bawal	Nos.	10	5	2		7
		Vol.		0.575	0.616		1.191
3	Pechia	Nos.	63	29	3		32
		Vol.		3.335	0.924		4.259
4	Karyal	Nos.	4	1	1		2
		Vol.		0.115	0.308		0.423
5	Khadak	Nos.	19	1	5		6
		Vol.		0.115	1.54		1.655
6	Kambal	Nos.	47	23	1		24
		Vol.		2.645	0.308		2.953
7	Palsh	Nos.	10	2	1		3
		Vol.		0.23	0.308		0.538
8	Sembal	Nos.	1	4	7	1	12
		Vol.		0.460	2.156	0.635	3.251
9	Baloja	Nos.	5	5	3		8
		Vol.		0.575	0.924		1.499
10	Lestun	Nos.	1	2			2
		Vol.		0.23			0.23
11	Jannu	Nos.	2	7	3		10
		Vol.		0.805	0.924		1.729
12	Suman	Nos.			1	1	2
		Vol.			0.308	0.635	0.943
13	Khar	Nos.	4	7	2	2	13
		Vol.		0.805	0.616	1.27	2.691
14	Trambal	Nos.	3	1			1
		Vol.		0.115			0.115
15	Bans	Nos.	96				
		Vol.					
16	Tuni	Nos.			1		1
		Vol.			0.308		0.308
17	Bad	Nos.			2		2
		Vol.			0.616		0.616
18	Phega	Nos.	1				
		Vol.					
19	Kinnu	Nos.			1		0
		Vol.			0.308		0
	Total	Nos.	265	91	38	4	133
		Vol.		10.465	11.704	2.540	24.709 M ³

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PANDHAROT
GENERAL ABSTRACT

Sr. No	Species		Sppling	Class										Total (No. of)		
				V (m ²)	IV (m ²)	III (m ²)	IIa (m ²)	IIb (m ²)	I-A (m ²)	I-B (m ²)	I-C (m ²)	I-D (m ²)	I-E (m ²)			
1	Tax	No.	3	-	-	-	-	-	-	-	-	-	-	-	-	
		Vol.														
2	Nardus	No.	16	78	29	7	-	-	-	-	-	-	-	-	118	
		Vol.		4.950	0.912	4.003	-	-	-	-	-	-	-	-	-	11.865
3	Sesul	No.	18	-	1	-	1	-	-	-	-	-	-	-	2	
		Vol.		-	0.008	-	1.241	-	-	-	-	-	-	-	-	1.249
4	Chen	No.	4	1	1	-	-	-	-	-	-	-	-	-	2	
		Vol.		0.124	0.110	-	-	-	-	-	-	-	-	-	-	0.234
5	Mang	No.	2	2	4	-	-	-	-	-	-	-	-	-	6	
		Vol.		0.280	1.212	-	-	-	-	-	-	-	-	-	-	1.492
6	Cerat	No.	22	7	2	1	-	-	1	-	-	-	-	-	12	
		Vol.		0.265	0.524	0.035	-	-	1.910	-	-	-	-	-	-	2.734
7	Acacia	No.	1	1	-	-	-	-	-	-	-	-	-	-	1	
		Vol.		0.372	-	-	-	-	-	-	-	-	-	-	-	0.372
8	Hind	No.	132	18	8	-	-	-	-	-	-	-	-	-	26	
		Vol.		1.846	1.712	-	-	-	-	-	-	-	-	-	-	3.558
9	Cinch	No.	96	16	8	2	1	-	-	-	-	-	-	-	27	
		Vol.		1.660	1.608	1.270	1.241	-	-	-	-	-	-	-	-	5.779
	Alchora	No.		1	2	-	-	-	-	-	-	-	-	-	3	
		Vol.		0.113	0.416	-	-	-	-	-	-	-	-	-	-	0.529
11	Sargol	No.		2	-	-	-	-	-	-	-	-	-	-	2	
		Vol.		0.144	-	-	-	-	-	-	-	-	-	-	-	0.144
12	Sant	No.	12	1	-	-	-	-	-	-	-	-	-	-	1	
		Vol.		0.115	-	-	-	-	-	-	-	-	-	-	-	0.115
13	Dal	No.	22	6	3	-	-	-	-	-	-	-	-	-	9	
		Vol.		0.096	0.024	-	-	-	-	-	-	-	-	-	-	0.120
14	Bil	No.	19	8	-	-	-	-	-	-	-	-	-	-	8	
		Vol.		0.460	-	-	-	-	-	-	-	-	-	-	-	0.460
15	Kambal	No.	179	12	1	-	-	-	-	-	-	-	-	-	14	
		Vol.		1.500	2.308	-	-	-	-	-	-	-	-	-	-	3.808
16	Lantana	No.	47	-	1	-	-	-	-	-	-	-	-	-	1	
		Vol.		-	0.308	-	-	-	-	-	-	-	-	-	-	0.308
17	Munak	No.	26	-	-	-	-	-	-	-	-	-	-	-	-	
		Vol.		-	-	-	-	-	-	-	-	-	-	-	-	-
18	Balya	No.	115	34	16	3	-	-	-	-	-	-	-	-	53	
		Vol.		3.808	4.928	3.172	-	-	-	-	-	-	-	-	-	12.908
19	Pudha	No.	108	22	7	-	-	-	-	-	-	-	-	-	29	
		Vol.		2.730	2.176	-	-	-	-	-	-	-	-	-	-	4.906
20	Dare	No.	22	2	-	-	-	-	-	-	-	-	-	-	2	
		Vol.		0.250	-	-	-	-	-	-	-	-	-	-	-	0.250
	Phigs	No.	43	1	6	-	-	-	-	-	-	-	-	-	7	
		Vol.		0.240	1.880	-	-	-	-	-	-	-	-	-	-	2.120
21	Lantol	No.	2	1	4	-	-	-	-	-	-	-	-	-	5	
		Vol.		1.340	1.222	-	-	-	-	-	-	-	-	-	-	2.562
22	Ar	No.	4	4	-	-	-	-	-	-	-	-	-	-	4	
		Vol.		0.460	-	-	-	-	-	-	-	-	-	-	-	0.460
24	Hawa	No.	13	-	2	2	2	-	-	-	-	-	-	-	6	
		Vol.		-	0.616	1.270	2.082	-	-	-	-	-	-	-	-	4.968
25	Embry	No.		1	2	-	-	-	-	-	-	-	-	-	3	
		Vol.		0.132	0.616	-	-	-	-	-	-	-	-	-	-	0.748
26	Gera	No.		2	-	-	-	-	-	-	-	-	-	-	2	
		Vol.		0.250	-	-	-	-	-	-	-	-	-	-	-	0.250
27	Eran	No.		-	-	1	-	-	-	-	-	-	-	-	1	
		Vol.		-	-	0.635	-	-	-	-	-	-	-	-	-	0.635
28	Chamela	No.	12	-	-	-	-	-	-	-	-	-	-	-	-	
		Vol.		-	-	-	-	-	-	-	-	-	-	-	-	-
29	Saba	No.	11	-	-	-	-	-	-	-	-	-	-	-	-	
		Vol.		-	-	-	-	-	-	-	-	-	-	-	-	-
G. Total			1254	227	92	18	3	-	1	-	-	-	-	-	342	
				25.678	28.146	11.478	4.964	-	2.918	-	-	-	-	-	-	71.116 M ²

J.C. Pandey

B.O. Himari

Ranjit Parrot Officer
Bhag Forest Range Office
Surat

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Enumeration list of green trees coming in the acquisition of SJVN Nandi Dam HEP in UF-4 Ghraim in Pandon beat, Himri Block of Bhaji Forest Range Shimla Forest Division for the year 2018-19.

Class No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
4	UF-04	1	Shisham	15-16	V	Green standing
		2	Shisham	24-25	IV	Do
		3	Shisham	21-22	IV	Do
		4	Shisham	13-14	V	Do
		5	Baloja	27-28	IV	Do
		6	Karyal	14-15	V	Do
		7	Khirak	22-23	IV	Do
		8	Khirak	17-18	V	Do
		9	Pechka	13-14	V	Do
		10	Trentol	28-29	IV	Do
		11	Shisham	11-12	V	Do
		12	Shisham	18-19	V	Do
		13	Shisham	15-16	V	Do
		14	Shisham	14-15	V	Do
		15	Shisham	11-12	V	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Shisham	Nos.	7	2	-	-	9
	Vol.	0.805M ³	0.616M ³	-	-	1.421M ³
Khirak	Nos.	1	1	-	-	2
	Vol.	0.115M ³	0.308M ³	-	-	0.423M ³
Karyal	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Trentol	Nos.	-	1	-	-	1
	Vol.	-	0.308M ³	-	-	0.308M ³
Baloja	Nos.	-	1	-	-	1
	Vol.	-	0.308M ³	-	-	0.308M ³
Pechka	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Total	Nos.	10	5	-	-	15
	Vol.	1.150M ³	1.540M ³	-	-	2.690M ³
Sapling	Spp	Shisham	Bawal	Khirak	Kambli	Baloja
	Nos.	10	12	9	14	5
	Spp	Total no of sapling				
	Nos.	50				


J.K. Pandey.


B.D. Himri


Range Forest Officer
Bhaji, Forest Range Office
Sural

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Enumeration list of green trees coming in the acquisition of SJVN Sunil Dam HEP in UF-4 Ghraim in Pandua beat, Hainri Block of Bhujji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
143	UF-04	1	Baloja	12-13	V	Green standing
		2	Baloja	13-14	V	Do
ABSTRACT						
Species		Class				Total
		V	IV	III	II-A	
Baloja	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Total	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Sapling	Spp	Baloja	Kambho	Pechka	Total no of Sapling	
	Nos.	10	6	11	27	

Enumeration list of green trees coming in the acquisition of SJVN Sunil Dam HEP in UF-4 Ghraim in Pandua beat, Hainri Block of Bhujji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
215	UF-04	1	Pechka	12-13	V	Green standing
		2	Pechka	13-14	V	Do
		3	Bawal	14-15	V	Do
ABSTRACT						
Species		Class				Total
		V	IV	III	II-A	
Bawal	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Pechka	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Total	Nos.	3	-	-	-	3
	Vol.	0.345M ³	-	-	-	0.345M ³
Sapling	Spp	Chanroda	Pechka	Bawal	Total no of Sapling	
	Nos.	4	10	4	18	


G/C Pandua.


B.O. Jaimari


Range Forest Officer
Bhujji Forest Range Office
Sunil

Enumeration list of green trees coming in the acquisition of SJVN Sural Dam HEP in UPT-4 Ghraim in Pandua beat, Himri Block of Bhauli Forest Range Shimla Forest Division for the year 2018-19.

Khayra No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
5	U-04	1	Suram	37-38	III	Green standing
		2	Baloga	12-13	V	Do
		3	Baloga	14-17	V	Do
		4	Shisham	38-39	III	Do
		5	Baloga	13-13	V	Do
		6	Kambal	11-12	V	Do
		7	Kambal	12-13	V	Do
		8	Kambal	11-12	V	Do
		9	Jakenda	20-21	IV	Do
		10	Shisham	22-23	IV	Do
		11	Shisham	15-16	V	Do
		12	Shisham	13-14	V	Do
		13	Baloga	28-29	IV	Do
		14	Shisham	29-30	IV	Do
		15	Jakenda	18-19	V	Do
		16	Kambal	15-16	V	Do
		17	Jakenda	28-29	IV	Do
		18	Kambal	20-21	IV	Do
		19	Kambal	11-12	V	Do
		20	Khirak	12-13	V	Do
		21	Khirak	13-14	V	Do
		22	Pachha	16-17	V	Do
		23	Pachha	12-13	V	Do
		24	Pachha	23-24	IV	Do
		25	Pachha	25-26	IV	Do
		26	Phegra	26-27	IV	Do
		27	Shisham	13-14	V	Do
		28	Shisham	14-15	V	Do
		29	Shisham	17-18	V	Do
		30	Shisham	13-14	V	Do
		31	Shisham	30-31	III	Do
		32	Shisham	21-22	IV	Do
		33	Shisham	12-13	V	Do
		34	Shisham	13-14	V	Do
		35	Shisham	14-15	V	Do
		36	Shisham	12-13	V	Do
		37	Shisham	14-15	V	Do
		38	Baloga	19-20	V	Do
		39	Shisham	14-15	V	Do
		40	Shisham	11-12	V	Do
		41	Shisham	12-13	V	Do
		42	Shisham	15-16	V	Do
		43	Shisham	14-15	V	Do
		44	Shisham	15-16	V	Do
		45	Juram	68-69	I-A	Do
		46	Shisham	21-22	IV	Do
		47	Leyonia	22-23	IV	Do
		48	Pachha	29-30	IV	Do

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ABSTRACT						
Species		Class				Total
		V	IV	III	I-A	
Shisham	Nos.	17	4	2	-	23
	Vol.	1.935M ³	1.232M ³	1.270M ³	-	4.437M ³
Jamba	Nos.	-	-	-	1	1
	Vol.	-	-	-	2.918M ³	2.918M ³
Khink	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Jalorenda	Nos.	1	2	-	-	3
	Vol.	0.115M ³	0.616M ³	-	-	0.731M ³
Kambal	Nos.	5	1	-	-	6
	Vol.	0.575M ³	0.308M ³	-	-	0.883M ³
Pechla	Nos.	2	3	-	-	5
	Vol.	0.230M ³	0.920M ³	-	-	1.154M ³
Baloja	Nos.	4	1	-	-	5
	Vol.	0.460M ³	0.308M ³	-	-	0.768M ³
Suman	Nos.	-	-	1	-	1
	Vol.	-	-	0.635M ³	-	0.635M ³
Phegra	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Lemun	Nos.	-	1	-	-	1
	Vol.	-	0.308M ³	-	-	0.308M ³
Total	Nos.	32	12	3	1	48
	Vol.	3.680M ³	3.696M ³	1.905M ³	2.918M ³	12.199M ³
Sapling	Spp	Shisham	Simhal	Bawal	Khink	Kambal
	Nos.	60	6	19	19	31
	Spp	Baloja	Phegra	Lemun	Shesrah	Daru
	Nos.	8	2	13	2	6
	Spp	Total no of sapling				
	Nos.	177				

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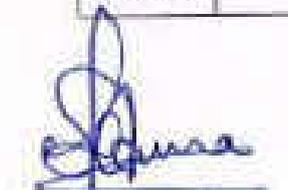
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Enumeration list of green trees coming in the acquisition of SJVN Sami Dam HEP in UPF-4 Ghraim in Fardoa beat, Hinri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khata No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
89	U-04	1	Shisham	21-22	IV	Green standing
		2	Jamun	18-19	V	Do
		3	Jamun	15-16	V	Do
		4	Shisham	23-24	IV	Do
		5	Shisham	21-22	IV	Do
		6	Shisham	33-34	III	Do
		7	Shisham	22-23	IV	Do
		8	Shisham	13-14	V	Do
		9	Baloja	12-13	V	Do
		10	Shisham	13-14	V	Do
		11	Shisham	25-26	IV	Do
		12	Shisham	27-28	IV	Do
		13	Shisham	21-22	IV	Do
		14	Shisham	34-35	III	Do
		15	Shisham	20-21	IV	Do
		16	Shisham	23-24	IV	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Shisham	Nos.	2	9	2	-	13
	Vol.	0.230M ³	2.772M ³	1.270M ³	-	4.272M ³
Jamun	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Baloja	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Total	Nos.	5	9	2	-	16
	Vol.	0.575M ³	2.772M ³	1.270M ³	-	4.617M ³
Sapling	Spp	Shisham	Kandul	Baloja	Total no of sapling	
	Nos.	6	11	9	26	


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Enumeration list of green trees coming in the acquisition of SJVN Sauri Dam HEP in UPF-05 ranges in Panna Dist, Mandel Block of Banji Forest Range Shimla Forest Division for the year 2018-19.

Khata No.	Name of Forest	Sr. No.	Species	Di.	Class	Status of Tree
4	UPF-05	1	Bawal	14-15	V	Green standing
		2	Bawal	13-14	V	Do
		3	Pechla	12-13	V	Do
		4	Pechla	14-15	V	Do
		5	Pechla	15-16	V	Do
		6	Shisham	12-13	V	Do
		7	Khair	14-15	V	Do
		8	Khair	13-14	V	Do
		9	Bil	11-12	V	Do
		10	Pechla	13-14	V	Do
		11	Khair	13-14	V	Do
		12	Ambli	11-12	V	Do
		13	Khair	23-24	IV	Do
		14	Khair	15-16	V	Do
		15	Daru	13-14	V	Do
		16	Pechla	18-19	V	Do
		17	Ambli	14-15	V	Do
		18	Ambli	11-12	V	Do
		19	Ambli	17-18	V	Do
		20	Ambli	13-14	V	Do
		21	Phagn	17-18	V	Do
		22	Shisham	16-17	V	Do
		23	Shisham	15-16	V	Do
		24	Bil	16-17	V	Do
		25	Bil	15-16	V	Do
		26	Kambal	13-14	V	Do
		27	Jamun	21-22	IV	Do
		28	Shisham	13-14	V	Do
		29	Shisham	14-15	V	Do
		30	Bil	12-13	V	Do
		31	Trembal	12-13	V	Do
		32	Shisham	26-27	IV	Do
		33	Shisham	24-25	IV	Do
		34	Shisham	14-15	V	Do
		35	Jamun	32-33	III	Do
		36	Shisham	24-25	IV	Do
		37	Shisham	26-27	IV	Do
		38	Bawal	23-24	IV	Do
		39	Khair	13-14	V	Do
		40	Bawal	24-25	IV	Do
		41	Bawal	15-16	V	Do
		42	Khair	17-18	V	Do
		43	Pechla	25-26	IV	Do
		44	Shisham	14-15	V	Do
		45	Shisham	21-22	III	Do
		46	Shisham	12-13	V	Do
		47	Shisham	13-14	V	Do

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48	Jaman	15-16	V	Do
49	Shoham	14-15	V	Do
50	Shoham	15-16	V	Do
51	Kambol	13-14	V	Do
52	Shoham	13-14	V	Do
53	Shoham	16-17	V	Do
54	Shoham	14-15	V	Do
55	Shoham	13-14	V	Do
56	Phegra	12-13	V	Do
57	Shoham	15-16	V	Do
58	Shoham	24-25	IV	Do
59	Shoham	12-13	V	Do
60	Shoham	12-13	V	Do
61	Shoham	14-15	V	Do
62	Shoham	12-13	V	Do
63	Baloja	32-33	III	Do
64	Kambol	15-16	V	Do
65	Pechla	12-13	V	Do
66	Khirak	16-17	V	Do
67	Baloja	28-29	IV	Do
68	Bawal	27-28	IV	Do
69	Shoham	35-36	III	Do
70	Shoham	22-23	IV	Do
71	Sunan	12-13	V	Do
72	Sambal	27-28	IV	Do
73	Pechla	14-15	V	Do
74	Baloja	27-28	IV	Do
75	Baloja	26-27	IV	Do
76	Khirak	22-23	IV	Do
77	Khirak	31-32	III	Do
78	Khirak	32-33	III	Do
79	Khirak	24-25	IV	Do
80	Khirak	17-18	V	Do
81	Khirak	28-29	IV	Do
82	Kambol	13-14	V	Do
83	Balon	25-26	IV	Do
84	Kambol	15-16	V	Do
85	Kambol	16-17	V	Do
86	Kambol	13-14	V	Do
87	Pechla	26-27	IV	Do
88	Pechla	24-25	IV	Do
89	Baloja	16-17	V	Do
90	Baloja	26-27	IV	Do
91	Pechla	14-15	V	Do
92	Pechla	14-15	V	Do
93	Balon	13-14	V	Do
94	Pechla	26-27	IV	Do
95	Khirak	24-25	IV	Do
96	Khirak	13-14	V	Do
97	Khirak	15-16	V	Do
98	Khirak	13-14	V	Do
99	Bau	26-27	IV	Do

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100	Kharak	24-25	IV	Do
101	Pechka	13-14	V	Do
102	Bawal	12-13	V	Do
103	Bawal	15-16	V	Do
104	Kharak	12-13	V	Do
105	Baloya	17-18	V	Do
106	Sambal	42-43	II-A	Do
107	Baloya	26-27	IV	Do
108	Baloya	25-26	IV	Do
109	Bawal	15-16	V	Do
110	Kharak	12-13	V	Do

S. Sharma
G/c Fardes.

Dr
B. H. Limari

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ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Shisham	Nos.	20	7	1	-	28
	Vol.	2.30M ³	2.156M ³	0.635M ³	-	5.091M ³
Khair	Nos.	4	1	-	-	5
	Vol.	0.102M ³	0.1181M ³	-	-	0.220M ³
Amblu	Nos.	5	-	-	-	5
	Vol.	0.575M ³	-	-	-	0.575M ³
Bisal	Nos.	6	3	-	-	9
	Vol.	0.690M ³	0.924M ³	-	-	1.614M ³
Daru	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Khirak	Nos.	0	5	2	-	16
	Vol.	1.015M ³	1.540M ³	1.270M ³	-	3.845M ³
Jaman	Nos.	1	1	1	-	3
	Vol.	0.115M ³	0.300M ³	0.635M ³	-	1.050M ³
Bill	Nos.	4	-	-	-	4
	Vol.	0.460M ³	-	-	-	0.460M ³
Bad	Nos.	-	1	-	-	1
	Vol.	-	0.308M ³	-	-	0.308M ³
Phoga	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Sunan	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Trenchal	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Kambal	Nos.	7	-	-	-	7
	Vol.	0.805M ³	-	-	-	0.805M ³
Pechka	Nos.	10	4	-	-	14
	Vol.	1.150M ³	1.232M ³	-	-	2.382M ³
Baloja	Nos.	3	7	1	-	11
	Vol.	0.345M ³	2.156M ³	0.635M ³	-	3.136M ³
Simbal	Nos.	-	1	-	1	2
	Vol.	-	0.308M ³	-	1.241M ³	1.549M ³
Total	Nos.	74	30	5	1	110
	Vol.	8.152M ³	9.050M ³	3.175M ³	1.241M ³	21.618M ³
Soping	Spp	Shisham	Khair	Amblu	Bisal	Daru
	Nos.	95	8	3	41	4
	Spp	Khirak	Bill	Bad	Phoga	Sunan
	Nos.	47	19	5	20	12
	Spp	Trenchal	Kambal	Pechka	Baloja	Simbal
	Nos.	2	54	40	34	5
	Spp	Lemnia	Sheersh	Jaman	Total no of Soping	
Nos.	14	24	14	41		

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Enumeration list of green trees existing in the acquisition of SJVN Sonal Dam HEP in UPP-05 Pandoa in Pandoa block, Hunderi Block of Bhajji Forest Range Shikha Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
1	UPP-05	1	Janun	15-16	V	Green standing
		2	Shisham	11-12	III	Do
		3	Shisham	18-19	V	Do
		4	Shisham	15-16	V	Do
		5	Shisham	25-26	IV	Do
		6	Shisham	13-14	V	Do
		7	Shisham	11-12	V	Do
		8	Shisham	12-13	V	Do
		9	Shisham	11-12	V	Do
		10	Shisham	12-13	V	Do
		11	Shisham	11-12	V	Do
		12	Shisham	11-12	V	Do
		13	Shisham	15-16	V	Do
		14	Shisham	18-19	V	Do
		15	Shisham	15-16	V	Do
		16	Shisham	19-20	V	Do
		17	Shisham	14-15	V	Do
		18	Shisham	26-27	IV	Do
		19	Shisham	11-12	V	Do
		20	Shisham	12-13	V	Do
		21	Shisham	13-14	V	Do
		22	Shisham	15-16	V	Do
		23	Shisham	12-13	V	Do
		24	Shisham	14-15	V	Do
		25	Shisham	12-13	V	Do
		26	Shisham	13-14	V	Do
		27	Shisham	12-13	V	Do
		28	Shisham	17-18	V	Do
		29	Shisham	18-19	V	Do
		30	Shisham	17-18	V	Do
		31	Shisham	14-15	V	Do
		32	Shisham	15-16	V	Do
		33	Phega	28-29	IV	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Shisham	Nos.	28	2	1	-	31
	Vol.	1.720M ³	0.616M ³	0.635M ³	-	4.471M ³
Janun	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Phega	Nos.	-	1	-	-	1
	Vol.	-	0.308M ³	-	-	0.308M ³
Total	Nos.	29	3	1	-	33
	Vol.	1.835M ³	0.924M ³	0.635M ³	-	4.994M ³
Sapling	Sppl	Shisham	Kumbh	Phega		Total no of sapling
	Nos.	110	20	14		144

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Enumeration list of green trees coming in the acquisition of SJVN Sunni Dam HEP in UPF-5 Pandua in Pandua beat, Himri Block of Bhajji Forest Range Shubha Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
2/1	UPF-05	1	Jamun	26-27	IV	Green standing
		2	Baloja	26-26	IV	Do
		3	Phagra	17-18	V	Do
		4	Baloja	26-27	IV	Do
		5	Jamun	15-16	V	Do
		6	Baloja	14-15	V	Do
		7	Baloja	22-23	IV	Do
		8	Baloja	13-14	V	Do
		9	Baloja	14-15	V	Do
		10	Baloja	28-29	IV	Do
		11	Jamun	14-15	V	Do
		12	Khair	15-16	V	Do
		13	Baloja	23-24	IV	Do
		14	Baloja	14-15	V	Do
		15	Baloja	15-16	V	Do
		16	Baloja	33-34	III	Do
		17	Baloja	23-24	IV	Do
		18	Trembul	13-14	V	Do
		19	Baloja	17-18	V	Do
		20	Baloja	32-33	III	Do
		21	Baloja	13-14	V	Do
		22	Khink	16-17	V	Do
		23	Khink	15-16	V	Do
		24	Khink	45-46	II-A	Do
		25	Baloja	14-15	V	Do
		26	Bawal	28-29	IV	Do
		27	Trembul	11-12	V	Do
		28	Bawal	12-13	V	Do
		29	Bawal	11-12	V	Do
		30	Baloja	14-15	V	Do
		31	Baloja	14-15	V	Do
		32	Shishum	28-29	IV	Do


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ABSTRACT						
Species		Class				Total
		V	IV	III	II-A	
Shisham	Nos.	-	1	-	-	1
	Vol.	-	0.308M ³	-	-	0.308M ³
Khair	Nos.	1	-	-	-	1
	Vol.	0.0257M ³	-	-	-	0.0257M ³
Jaman	Nos.	2	1	-	-	3
	Vol.	0.230M ³	0.308M ³	-	-	0.538M ³
Khirak	Nos.	2	-	-	1	3
	Vol.	0.230M ³	-	-	1.241M ³	1.471M ³
Bawal	Nos.	2	1	-	-	3
	Vol.	0.230M ³	0.308M ³	-	-	0.538M ³
Phagra	Nos.	-	1	-	-	1
	Vol.	-	0.308M ³	-	-	0.308M ³
Tromhal	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Baloja	Nos.	10	6	2	-	18
	Vol.	1.150M ³	1.848M ³	1.270M ³	-	4.268M ³
Total	Nos.	19	10	2	1	32
	Vol.	2.095M ³	3.080M ³	1.270M ³	1.241M ³	7.686M ³
Sapling	Spp.	Shisham	Jaman	Bawal	Tuni	Phagra
	Nos.	5	4	4	3	5
	Spp.	Baloja	Total no of sapling			
	Nos.	16	37			


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Enumeration list of green trees coming in the acquisition of SJVN Sumi Dam HEP in UP-5 Pancha in Pancha beat, Huhri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
546/228/1	UP-05	1	Daru	12-13	V	Green standing
		2	Ber	14-15	V	Do
		3	Ber	13-13	V	Do
		4	Ber	12-13	V	Do
		5	Pechia	13-14	V	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Daru	Non.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Ber	Non.	3	-	-	-	3
	Vol.	0.345M ³	-	-	-	0.345M ³
Pechia	Non.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Total	Non.	5	-	-	-	5
	Vol.	0.575M ³	-	-	-	0.575M ³
Sapling	Spp	Daru	Bawal	Kambal	Ber	Pechia
	Non.	8	5	10	4	7
	Spp	Total no of sapling				
	Non.	34				

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Enumeration list of green trees coming in the acquisition of SJVN Sanni Dam HEP in UF-5 Pandola in Pandola beat, Himiri Block of Bhajji Forest Range Shinda Forest Division for the year 2018-19.

Khura No	Name of Forest	Sr. No.	Species	Di	Class	Status of Tree
547/225	UF-05	1	Kirik	16-17	V	Green standing
		2	Bisal	15-16	V	Do
		3	Bisal	14-15	V	Do
		4	Bisal	12-13	V	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Kirik	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Bisal	Nos.	3	-	-	-	3
	Vol.	0.345M ³	-	-	-	0.345M ³
Total	Nos.	4	-	-	-	4
	Vol.	0.460M ³	-	-	-	0.460M ³
Sapling	Spp	Pachli	Kirik	Kambal	Chunrodu	Bisal
	Nos.	5	0	10	5	0
	Spp	Total no of sapling				
	Nos.	35				

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Enumeration list of green trees coming in the acquisition of SJVN Sunil Dam HEP in UPP-5 Pandon in Pandon beat, Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sl. No.	Species	Dia	Class	Status of Tree
8	U-05	1	Bawal	15-16	V	Green standing
		2	Bawal	12-13	V	Do
		3	Karyal	16-17	V	Do
		4	Karyal	17-18	V	Do
		5	Bac	12-13	V	Do
		6	Bawal	12-13	V	Do
		7	Shisham	28-29	IV	Do
		8	Shisham	14-15	V	Do
		9	Jamun	27-28	IV	Do
		10	Embrey	12-13	V	Do
		11	Embrey	26-27	IV	Do
		12	Shisham	32-33	III	Do
		13	Mango	22-23	IV	Do
		14	Shisham	25-26	IV	Do
		15	Bakaj	39-40	III	Do
		16	Tremhal	27-28	IV	Do
		17	Phoga	26-27	IV	Do
		18	Tremhal	27-28	IV	Do
		19	Tremhal	27-28	IV	Do
		20	Phoga	21-22	IV	Do
		21	Phoga	26-27	IV	Do
		22	Bunce	35-36	III	Do
		23	Phoga	21-22	IV	Do
		24	Jamun	11-12	V	Do
		25	Bunce	31-32	III	Do
		26	Bunce	28-29	IV	Do
		27	Bunce	42-43	II-A	Do
		28	Embrey	26-27	IV	Do
		29	Shisham	24-25	IV	Do
		30	Bunce	23-24	IV	Do
		31	Bunce	44-45	II-A	Do


G. C. Pandey.

FM
B. O. Mishra

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ABSTRACT						
Species		Class				Total
		V	IV	III	II-A	
Shisham	Nos.	1	3	1		5
	Vol.	0.115M ³	0.924M ³	0.635M ³	-	1.674M ³
Jamun	Nos.	1	1	-	-	2
	Vol.	0.115M ³	0.308M ³	-	-	0.423M ³
Mango	Nos.	-	1	-	-	1
	Vol.	-	0.308M ³	-	-	0.308M ³
Biwal	Nos.	3	-	-	-	3
	Vol.	0.345M ³	-	-	-	0.345M ³
Karyal	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Bunce	Nos.	-	2	2	2	6
	Vol.	-	0.616M ³	1.270M ³	2.482M ³	4.368M ³
Embrey	Nos.	1	2	-	-	3
	Vol.	0.115M ³	0.616M ³	-	-	0.731M ³
Dal	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Phagra	Nos.	-	4	-	-	4
	Vol.	-	1.232M ³	-	-	1.232M ³
Trenbal	Nos.	-	3	-	-	3
	Vol.	-	0.924M ³	-	-	0.924M ³
Baloja	Nos.	-	-	1	-	1
	Vol.	-	-	0.635M ³	-	0.635M ³
Total	Nos.	9	16	4	2	31
	Vol.	1.835M ³	4.928M ³	2.540M ³	2.482M ³	10.985M ³
Sapling	Spp	Shisham	Kirak	Biwal	Bunce	Phagra
	Nos.	12	0	7	23	6
	Spp	Baloja		Total no of sapling		
	Nos.	4		61		

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G.C. Panda

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B.O. Himsi

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Range Forest Officer
Shaj, Forest Range Office
Sural

Enumeration list of green trees coming in the acquisition of SJVN Sunni Dam HEP in UPF-5 Pandou in Pandou beat, Himiri Block of Bhaji Forest Range Shikha Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
144	D-05	1	Bawal	12-18	V	Green standing
		2	Shisham	11-12	V	Do
		3	Shisham	12-13	V	Do
		4	Shisham	17-18	V	Do
		5	Pachira	13-14	V	Do
		6	Shisham	28-29	IV	Do
		7	Pachira	11-12	V	Do
		8	Bea	12-13	V	Do
		9	Pachira	12-13	V	Do
		10	Baloja	12-13	V	Do
		11	Khirak	11-12	V	Do
		12	Pachira	13-14	V	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Shisham	Nos.	3	1	-	-	4
	Vol.	0.345M ³	0.308M ³	-	-	0.653M ³
Khirak	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Bawal	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Bea	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Pachira	Nos.	4	-	-	-	4
	Vol.	0.460M ³	-	-	-	0.460M ³
Baloja	Nos.	1	-	-	-	1
	Vol.	0.115M ³	-	-	-	0.115M ³
Total	Nos.	11	1			12
	Vol.	1.265M ³	0.308M ³			1.573M ³
Sapling	Spp	Shisham	Sindal	Amun	Bawal	Khirak
	Nos.	45	7	4	22	11
	Spp	Daru	Pachira	Baloja	Total no of sapling	
	Nos.	4	20	12	123	

G. Chandeeer

B. D. Kumar

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Bhaji Forest Range Office
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24/11/19

Summary list of green trees coming in the acquisition of SJVN Sunil Dam HEP in UPT-5 Pauda in Pauda beat, Himri Block of Bhaji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sl. No.	Species	Dia	Class	Status of Tree
601/146/1	U-05	1	Balga	14-15	V	Green standing
		2	Balga	11-12	V	Do
		3	Balga	13-14	V	Do
		4	Balga	12-13	V	Do
		5	Balga	15-16	V	Do
		6	Balga	14-15	V	Do
		7	Balga	31-32	III	Do
		8	Balga	12-13	V	Do
		9	Bal	21-22	IV	Do
		10	Bal	26-27	IV	Do
		11	Bal	13-14	V	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Bal	Nos.	1	2	-	-	3
	Vol.	0.115M ³	0.616M ³	-	-	0.731M ³
Balga	Nos.	7	-	1	-	8
	Vol.	0.885M ³	-	0.635M ³	-	1.440M ³
Total	Nos.	8	2	1	-	11
	Vol.	0.920M ³	0.616M ³	0.635M ³	-	2.171M ³

Sapling	Spp	Balga	Kandol	Pechka	Bal	Total no. of sapling
	Nos.	17	12	9	8	

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Enumeration list of green trees coming in the acquisition of SJVN Sunil Dam HEP in UPF-5 Pandua in Pamba beat, Himri Block of Bhajji Forest Range Shinda Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
602/140	UPF-05	1	Buloja	11-12	V	Green standing
		2	Buloja	12-13	V	Do
		3	Buloja	11-12	V	Do
		4	Buloja	12-13	V	Do
		5	Buloja	14-15	V	Do
		6	Buloja	15-16	V	Do
		7	Buloja	25-26	IV	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Buloja	Nos.	6	1	-	-	7
	Vol.	0.690M ³	0.308M ³	-	-	0.998M ³
Total	Nos.	6	1	-	-	7
	Vol.	0.690M ³	0.308M ³	-	-	0.998M ³
Sapling	Spp	Buloja	Kumbal	Peelha	Total no of sapling	
	Nos.	13	11	6	30	


J.C. Panda.


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Enumeration list of green trees coming in the notification of SJVN Samsi Dam HEP in UPF-5 Pandua in Pandua beat, Hanari Block of Bhajji Forest Range Shinda Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
141	U-05	1	Bud	11-12	V	Green standing
		2	Bud	13-14	V	Do
		3	Bud	12-13	V	Do
		4	Bud	17-18	V	Do
		5	Pechka	18-19	V	Do
		6	Pechka	13-14	V	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Bud	Nos.	4	-	-	-	4
	Vol.	0.460M ³	-	-	-	0.460M ³
Pechka	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Total	Nos.	6	-	-	-	6
	Vol.	0.690M ³	-	-	-	0.690M ³
Sapling	Spp	Bud	Bisal	Kakkar	Balga	Total no of sapling
	Nos.	9	12	11	7	39

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Enumeration list of green trees coming in the acquisition of SJVN Sunni Dam HEP in UPF-5 Pandoa in Pandoa beat, Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
6	U-05	1	Mango	27-28	IV	Green standing
		2	Mango	28-29	IV	Do
		3	Guava	11-12	V	Do
		4	Guava	11-12	V	Do
		5	Mango	12-13	V	Do
		6	Mango	18-19	V	Do
		7	Mango	27-28	IV	Do

ABSTRACT

Species		Class				Total
		V	IV	III	II-A	
Mango	Nos.	2	3	-	-	5
	Vol.	0.230M ³	0.924M ³	-	-	1.154M ³
Guava	Nos.	2	-	-	-	2
	Vol.	0.230M ³	-	-	-	0.230M ³
Total	Nos.	4	3	-	-	7
	Vol.	0.460M ³	0.924M ³	-	-	1.384M ³
Sapling	Spp	Khink	Mango	Total no of sapling		
	Nos.	4	2	6		

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**SANDOA BEAT
GENERAL ABSTRACT**

Sr. No	Species		Sappling	Class			Total (Vol-M ³)
				V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	
1	Shudham	Nos.	78	18	5	-	23
		Vol.	-	2.07m ³	1.54m ³	-	3.61m ³
2	Tuni	Nos.	-	1	-	-	1
		Vol.	-	0.115m ³	-	-	0.115m ³
3	Kharu	Nos.	1	1	-	-	1
		Vol.	-	0.257m ³	-	-	0.257m ³
4	Jaman	Nos.	-	-	1	-	1
		Vol.	-	-	0.308m ³	-	0.308m ³
5	Bad	Nos.	-	5	1	-	6
		Vol.	-	0.575m ³	0.308m ³	-	0.883m ³
6	Bawal	Nos.	26	2	-	-	2
		Vol.	-	0.23m ³	-	-	0.23m ³
7	Trembal	Nos.	9	2	1	1	4
		Vol.	-	0.23m ³	0.308m ³	0.635m ³	1.173m ³
8	Kakar	Nos.	3	-	2	-	2
		Vol.	-	-	0.616m ³	-	0.616m ³
9	Kharak	Nos.	10	4	-	-	4
		Vol.	-	0.46m ³	-	-	0.46m ³
10	Phegra	Nos.	0	1	-	-	1
		Vol.	-	0.115m ³	-	-	0.115m ³
11	Lamnia	Nos.	2	1	-	-	1
		Vol.	-	0.115m ³	-	-	0.115m ³
12	Simhal	Nos.	3	2	1	-	3
		Vol.	-	0.22m ³	0.308m ³	-	0.538m ³
13	Boloja	Nos.	9	3	2	1	6
		Vol.	-	0.345m ³	0.616m ³	0.635m ³	1.596m ³
14	Pachka	Nos.	7	1	-	-	1
		Vol.	-	0.115m ³	-	-	0.115m ³
15	Sanni	Nos.	4	-	-	-	-
		Vol.	-	-	-	-	-
16	Kambal	Nos.	2	-	-	-	-
		Vol.	-	-	-	-	-
	Total	Nos.	160	41	13	2	56
		Vol.	-	4.626m ³	4.004m ³	1.270m ³	9.900m ³

Hantkush
O/C Sanda

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B.O Himri

H.K.
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Bhuj, Forest Range Office
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Enumeration list of green trees coming in SJVN Samsi Dam HEP in U-10 Malgi Forest Samsi beat Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
596	U-10 Malgi	1	Dal	13-19	V	Green standing
		2	Dal	17-18	V	Green standing

ABSTRACT

Species	Class			Total (Vol-M ³)	
	V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)		
Dal	Nos.	2	-	-	2
	Vol.	0.23m ³	-	-	0.23m ³
Total	Nos.	2	-	-	2
	Vol.	0.23m ³	-	-	0.23m ³
Sapling	Spp.	Tambhal	Kakar	Pechka	
	Nos.	5	3	4	
	Spp.	Bawal	Saman	Total	
	Nos.	6	4	22	

Havikrup
J/C Samsi

Bo Himri

Range Forest Officer
Bhaji, Forest Range Office
Samsi

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Enumeration list of green trees coming in SJVN Sumeri Dam HEP in U-10 Malgi Forest Sandou beat Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khetra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
597/1	U-10 Malgi	1	Kakar	24-25	IV	Green standing
		2	Bud	14-15	V	Green standing
		3	Bud	22-23	IV	Green standing
		4	Kakar	27-28	IV	Green standing
		5	Bud	17-18	V	Green standing
		6	Bud	17-18	V	Green standing
		7	Trembul	14,15	V	Green standing
		8	Baloja	18-19	V	Green standing
		9	Khirak	14-15	V	Green standing

ABSTRACT

Species		Class			Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	
Khirak	Nos.	1			1
	Vol.	0.115			0.115
Baloja	Nos.	1			1
	Vol.	0.115			0.115
Kakar	Nos.		2		2
	Vol.		0.616		0.616
Bud	Nos.	3	1		4
	Vol.	0.345	0.308		0.653
Trembul	Nos.	1			1
	Vol.	0.115			0.115
Total	Nos.	6	3	0	9
	Vol.	0.69	0.924	0	1.614 M ³
Sapling	Supp.	Khirak	Baloja	Hwal	
	Vol.	1	1	3	
	Supp.	Kumbul	Total		
	Vol.	2	7		

Hani Khab
J/C Sandou

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Range Forest Officer
Bhaji Forest Range Office
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2. Enumeration list of green trees coming in SAVN Sumi Dam HEP in U-10 Malgi Forest Sandou beat Himri Block of Bhujji Forest Range Shikla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
199	U-10 Malgi	1	Shisham	15-16	V	Green standing
		2	Shisham	Dec-13	V	Green standing
		3	Khair	15-16	V	Green standing
		4	Baloja	32-33	III	Green standing
		5	Baloja	26-27	IV	Green standing
		6	Shisham	25-26	IV	Green standing
		7	Lesunia	18-19	V	Green standing
		8	Sirbal	28-29	IV	Green standing
		9	Baloja	25-26	IV	Green standing
		10	Baloja	16-17	V	Green standing
		11	Phegra	17-18	V	Green standing
		12	Baloja	Dec-13	V	Green standing
		13	Jumra	27-28	IV	Green standing

ABSTRACT

Species		Class			Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	
Shisham	Nos.	2	1	-	3
	Vol.	0.23m ³	0.308m ³	-	0.538m ³
Khair	Nos.	1	-	-	1
	Vol.	0.257m ³	-	-	0.257m ³
Jumra	Nos.	-	1	-	1
	Vol.	-	0.308m ³	-	0.308m ³
Phegra	Nos.	1	-	-	1
	Vol.	0.115m ³	-	-	0.115m ³
Lesunia	Nos.	1	-	-	1
	Vol.	0.115m ³	-	-	0.115m ³
Sirbal	Nos.	-	1	-	1
	Vol.	-	0.308m ³	-	0.308m ³
Baloja	Nos.	2	2	1	5
	Vol.	0.23m ³	0.616m ³	0.635m ³	1.481m ³
Total	Nos.	7	5	1	13
	Vol.	0.718m ³	1.540m ³	0.635m ³	2.893m ³
Sapling	Sapp	Shisham	Bwal	Khair	
	Vol.	10	-	1	
	Sapp	Phegra	Baloja	Khair	
	Vol.	3	1	1	
	Sapp	Lesunia	Total		
Vol.	2	17			

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Range Forest Officer
Bhujji Forest Range Office
Sumi

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Enumeration list of green trees coming in SJVN Small Dam HEP in U-10 Malgi Forest Number near Himri Block of Bhajji Forest Range Shikha Forest Division for the year 2018-19.

KU/Tree No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
72	U-10 Malgi	1	Shisham	17-18	V	Green standing
		2	Shisham	11-12	V	do
		3	Shisham	21-24	IV	do
		4	Shisham	13-14	V	do
		5	Khask	12-13	V	do
		6	Shisham	12-13	V	do
		7	Bawal	14-15	V	do
		8	Turi	16-17	V	do
		9	Shisham	17-18	V	do
		10	Khask	14-15	V	do
		11	Santal	11-14	V	do
		12	Shisham	20-25	IV	do
		13	Shisham	18-19	V	do
		14	Khask	14-15	V	do
		15	Shisham	17-18	V	do
		16	Santal	12-13	V	do
		17	Tremul	12-13	V	do
		18	Pachka	16-17	V	do
		19	Shisham	16-17	V	do
		20	Tremul	20-21	IV	do
		21	Tremul	30-34	III	do
		22	Shisham	17-18	V	do
		23	Shisham	17-18	V	do
		24	Bawal	12-13	V	do
		25	Shisham	12-13	V	do
		26	Shisham	12-13	V	do
		27	Shisham	15-16	V	do
		28	Shisham	14-15	V	do
		29	Shisham	22-23	IV	do
		30	Shisham	12-13	V	do
		31	Shisham	14-15	V	do
		32	Shisham	20-25	IV	do

ABSTRACT

Species	Class	Total (Vol-M ³)		
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)
Shisham	No.	16	4	-
	Vol.	1.34m ³	1.272m ³	-
Bawal	No.	2	-	-
	Vol.	1.23m ³	-	-
Khask	No.	3	-	-
	Vol.	0.345m ³	-	-
Tremul	No.	1	1	1
	Vol.	0.115m ³	0.300m ³	0.035m ³
Santal	No.	2	-	-
	Vol.	0.23m ³	-	-
Turi	No.	1	-	-
	Vol.	0.115m ³	-	-
Pachka	No.	1	-	-
	Vol.	0.115m ³	-	-
Total	No.	26	5	1
	Vol.	1.99m ³	1.540m ³	0.035m ³
Sapling	Spec.	Shisham	Bawal	Tremul
	Vol.	6R	17	4
	Spec.	Phega	Santal	Bhaji
	Vol.	6	5	2
	Spec.	Khask	Pachka	Total
Vol.	1	1	114	

[Signature]
 Joint Forest Officer
 Bhajji Forest Range Office
 Bhajji

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 BO Himri

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HIMMAT
GENERAL ABSTRACT

Sr. No	Species		Supplying	Class							Total (Vol/MT)	
				V (Vol/MT)	IV (Vol/MT)	III (Vol/MT)	II-A (Vol/MT)	II-B (Vol/MT)	I-A (Vol/MT)	I-B (Vol/MT)		
1	Clal	Nos.	1		4		1				3	
		Vol.			1.332		1.336				2.668	
2	Nalram	Nos.	801	136	32	5					193	
		Vol.		11.540	16.346	3.175					31.061	
3	Jansu	Nos.	48	18	12	8		7		1	37	
		Vol.		1.345	4.034	2.810		1.943		7.611	18.233	
4	Narhal	Nos.	24	4			2	1			7	
		Vol.		0.85			1.462	1.963			4.275	
5	Kharak	Nos.	68	1	4						12	
		Vol.		0.031	1.232						1.263	
6	Bawal	Nos.	32	2	1						3	
		Vol.		0.230	0.388						0.618	
7	Baf	Nos.	112	16	25	7	1	5		2	48	
		Vol.		1.156	7.084	4.405	1.241	6.605		19.232	30.683	
8	Aardh	Nos.		4							4	
		Vol.		0.660							0.66	
9	Jark	Nos.	75	11	1						12	
		Vol.		1.265	0.308						1.573	
10	Nakha	Nos.	164	67	108	15	1				198	
		Vol.		2.705	33.264	8.523	1.241				45.733	
11	Kandhal	Nos.	671	19	1	1					21	
		Vol.		4.33	1.232	0.613					6.175	
12	Bakpa	Nos.	111	48	31	5					93	
		Vol.		5.633	6.448	3.175					15.256	
13	Baur	Nos.	27	16	5	1					23	
		Vol.		1.130	1.540	0.615					3.285	
14	Kural	Nos.	28	4	1						5	
		Vol.		0.460	0.308						0.768	
15	Narakh	Nos.	4	2	1	1					4	
		Vol.		0.21	0.308	0.613					1.131	
16	Chandoli	Nos.		1	1						2	
		Vol.		0.113	0.308						0.421	
17	Tharwal	Nos.	43	15	2	1					16	
		Vol.		1.495	3.016	0.615					5.126	
18	Laha	Nos.	17	1	1						3	
		Vol.		0.373	0.308						0.681	
19	Katar	Nos.	23		2						2	
		Vol.			1.32						1.32	
20	Kogre	Nos.		1	2						3	
		Vol.		0.113	0.615						0.728	
21	Ardha	Nos.		1	1	1		1			4	
		Vol.		0.113	0.614	0.615		1.005			2.347	
22	Mango	Nos.				1					1	
		Vol.				1.241					1.241	
23	Kandh	Nos.			1						1	
		Vol.			0.308						0.308	
24	Dance	Nos.		1							1	
		Vol.		0.113							0.113	
25	Baf	Nos.	16	16	5						37	
		Vol.		1.61	1.54						3.15	
26	Chala	Nos.		4							4	
		Vol.		0.46							0.46	
27	M	Nos.		3	1	1					5	
		Vol.		0.343	0.324	0.613					1.28	
28	Jau	Nos.	16								0	
		Vol.									0	
29	Loyam	Nos.	10								0	
		Vol.									0	
30	Ora	Nos.	8								0	
		Vol.									0	
31	Haga	Nos.	10								0	
		Vol.									0	
G. Total		Nos.	2484	404	261	44	6	8	0	0	3	728
		Vol.		66.869	69.388	27.948	7.441	15.889	0.660	6.686	22.817	208.982

High - 1000
1/c Himmat

Range Officer
Bhal Forest Range Office

Enumeration list of green trees coming in the acquisition of SJVN Sunni Dam HEP in NDPF-13
 Ogl-Sunna of Himri beat in Himri Block of Bhajji Forest Range Shinda Forest Division for the
 year 2018-19.

(15)

Khasra No	Name of Forest	Sr. No.	Species	Dim	Class	Status of Tree
291/1	NDPF-13	1	Shisham	22-23	IV	Green standing
		2	Shisham	26-27	IV	Do
		3	Peehka	14-15	V	Do
		4	Baloja	18-19	V	Do
		5	Kambal	31-32	III	Do
		6	Kambal	12-13	V	Do
		7	Shisham	24-25	IV	Do
		8	Shisham	12-13	V	Do
		9	Shisham	15-16	V	Do
		10	Shisham	12-13	V	Do
		11	Shisham	12-13	V	Do
		12	Jamun	32-33	III	Do
		13	Jamun	17-18	V	Do
		14	Shisham	15-16	V	Do
		15	Kambal	23-24	IV	Do
		16	Kambal	14-15	V	Do
		17	Kambal	13-14	V	Do
		18	Kambal	13-14	V	Do
		19	Shisham	102-113	V	Do
		20	Shisham	27-28	IV	Do
		21	Shisham	15-16	V	Do
		22	Shisham	13-14	V	Do
		23	Shisham	27-28	IV	Do
		24	Shisham	16-17	V	Do
		25	Shisham	12-13	V	Do
		26	Shisham	26-27	IV	Do
		27	Shisham	22-23	IV	Do
		28	Baloja	23-24	IV	Do
		29	Baloja	32-33	III	Do
		30	Shisham	15-16	V	Do
		31	Shisham	17-18	V	Do
		32	Shisham	14-15	V	Do
		33	Shisham	32-33	III	Do
		34	Shisham	15-16	V	Do
		35	Shisham	12-13	V	Do
		36	Shisham	14-15	V	Do
		37	Shisham	17-18	V	Do
		38	Kambal	12-13	V	Do
		39	Shisham	17-18	V	Do
		40	Shisham	15-16	V	Do
		41	Shisham	28-29	IV	Do
		42	Shisham	14-15	V	Do
		43	Shisham	14-15	V	Do
		44	Baloja	19-20	V	Do
		45	Shisham	26-27	IV	Do
		46	Shisham	16-17	V	Do
		47	Shisham	12-13	V	Do
		48	Shisham	13-14	V	Do
		49	Shisham	16-17	V	Do

5/1/2019
 (R. Himri) Head of office in

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
		50	Shisham	12-13	V	Do
		51	Kumbhal	14-15	V	Do
		52	Shisham	15-16	V	Do
		53	Simbal	48-49	IIA	Do
		54	Baloja	24-25	IV	Do
		55	Khirak	14-15	V	Do
		56	Bod	24-25	IV	Do
		57	Pechka	17-18	V	Do
		58	Pechka	25-26	IV	Do
		59	Pechka	15-16	V	Do
		60	Shisham	16-17	V	Do
		61	Shisham	15-16	V	Do
		62	Baloja	12-13	III	Do
		63	Trombal	16-17	V	Do
		64	Shisham	13-14	V	Do
		65	Khirak	23-24	IV	Do
		66	Chi	46-47	II-A	Do
		67	Janam	23-24	IV	Do
		68	Shisham	22-23	IV	Do
		69	Shisham	16-17	V	Do
		70	Shisham	22-23	IV	Do
		71	Shisham	16-17	V	Do
		72	Pechka	27-28	IV	Do
		73	Kumbhal	17-18	V	Do
		74	Kumbhal	15-16	V	Do
		75	Shisham	15-16	V	Do
		76	Baloja	23-24	IV	Do
		77	Baloja	13-14	V	Do
		78	Pechka	15-16	V	Do
		79	Shisham	15-16	V	Do
		80	Baloja	23-24	IV	Do
		81	Baloja	13-14	V	Do
		82	Shisham	24-25	IV	Do
		83	Kumbhal	12-13	V	Do
		84	Shisham	13-14	V	Do
		85	Pechka	25-26	IV	Do
		86	Shisham	14-15	V	Do
		87	Shisham	22-23	IV	Do
		88	Shisham	11-12	V	Do
		89	Pechka	23-24	IV	Do
		90	Shisham	12-13	V	Do
		91	Shisham	15-16	V	Do
		92	Chirka	16-17	V	Do
		93	Shisham	26-27	IV	Do
		94	Baloja	17-18	V	Do
		95	Baloja	23-24	IV	Do
		96	Shisham	17-18	V	Do
		97	Chirka	12-13	V	Do
		98	Baloja	23-24	IV	Do
		99	Pechka	29-30	IV	Do
		100	Chirka	12-13	V	Do
		101	Shisham	12-13	V	Do
		102	Shisham	23-24	IV	Do

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Bhimrao
Bhimrao
9/2/19/19

Khata No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
		103	Kambul	12-13	V	Do
		104	Kambul	11-12	V	Do
		105	Shisham	15-16	V	Do
		106	Kambul	11-12	V	Do
		107	Kambul	11-12	V	Do
		108	Kambul	11-12	V	Do
		109	Shisham	12-13	V	Do
		110	Shisham	13-14	V	Do
		111	Shisham	14-15	V	Do
		112	Chir	13-14	V	Do
		113	Bud	51-52	II-B	Do
		114	Bud	105-106	I-E	Do
		115	Jamun	169-179	I-E	Do
		116	Bud	53-54	II-B	Do
		117	Bud	57-58	II-B	Do
		118	Bud	58-59	II-B	Do
		119	Bud	45-46	II-A	Do
		120	Jamun	12-13	V	Do
		121	Shisham	11-12	V	Do
		122	Shisham	15-16	V	Do
		123	Jamun	16-17	V	Do
		124	Jamun	21-22	IV	Do
		125	Jamun	12-13	V	Do
		126	Jamun	11-12	V	Do
		127	Shisham	13-14	V	Do
		128	Shisham	11-12	V	Do
		129	Jamun	13-14	V	Do
		130	Jak	16-17	V	Do
		131	Jamun	12-13	V	Do
		132	Jak	15-16	V	Do
		133	Jak	13-14	V	Do
		134	Shisham	11-12	V	Do
		135	Shisham	11-12	V	Do
		136	Jamun	25-26	IV	Do
		137	Jak	16-17	V	Do
		138	Shisham	13-14	V	Do
		139	Jamun	19-20	V	Do
		140	Baloja	33-34	III	Do
		141	Pechka	23-24	IV	Do
		142	Shisham	11-12	V	Do
		143	Jak	11-12	V	Do
		144	Jamun	19-20	V	Do
		145	Pechka	26-24	IV	Do
		146	Pechka	25-26	IV	Do
		147	Pechka	43-44	II-A	Do
		148	Kambul	12-13	V	Do
		149	Kambul	11-12	V	Do
		150	Baloja	11-12	V	Do
		151	Baloja	15-16	V	Do
		152	Bud	197-198	I-E	Do
		153	Kambul	22-23	IV	Do
		154	Kambul	13-14	V	Do
		155	Baloja	19-20	V	Do

9/6/10
 Singh
 1/c. Hanoi
 Shisham
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Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
		156	Kambal	23-24	IV	Do
		157	Andla	15-16	V	Do
		158	Andla	15-16	V	Do
		159	Kambal	11-12	V	Do
		160	Pechka	19-20	V	Do
		161	Pechka	13-14	V	Do
		162	Pechka	23-24	IV	Do
		163	Pechka	13-14	V	Do
		164	Pechka	24-25	IV	Do
		165	Ledra	18-19	V	Do
		166	Kambal	14-15	V	Do
		167	Shisham	15-16	V	Do
		168	Shisham	12-13	V	Do
		169	Shisham	21-22	IV	Do
		170	Shisham	21-22	IV	Do
		171	Kambal	11-12	V	Do
		172	Kambal	16-17	V	Do
		173	Kambal	12-13	V	Do
		174	Kambal	12-13	V	Do
		175	Karyal	15-16	V	Do
		176	Buloja	11-12	V	Do
		177	Shisham	15-16	V	Do
		178	Shisham	12-13	V	Do
		179	Pechka	15-16	V	Do
		180	Pechka	25-26	IV	Do
		181	Pechka	22-23	IV	Do
		182	Shisham	12-13	V	Do
		183	Shisham	18-19	V	Do
		184	Shisham	18-19	V	Do
		185	Shisham	27-28	IV	Do
		186	Pechka	25-26	IV	Do
		187	Pechka	32-33	III	Do
		188	Shisham	12-13	V	Do
		189	Pechka	22-23	IV	Do
		190	Shisham	26-27	IV	Do
		191	Shisham	13-14	IV	Do
		192	Shisham	15-16	V	Do
		193	Bil	15-16	V	Do
		194	Junun	13-14	V	Do
		195	Junun	24-25	IV	Do
		196	Junun	13-14	V	Do
		197	Jak	12-13	V	Do
		198	Shisham	15-16	V	Do
		199	Shisham	24-25	IV	Do
		200	Junun	12-13	V	Do
		201	Bil	14-15	V	Do
		202	Jak	15-16	V	Do
		203	Junun	12-13	V	Do
		204	Dud	22-23	IV	Do
		205	Dud	32-33	III	Do
		206	Dud	21-22	IV	Do
		207	Pechka	17-18	V	Do
		208	Pechka	32-33	III	Do

Kalyan
 Dad
 Shisham
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Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
		209	Pechka	26-27	IV	Do
		210	Jalk	13-14	V	Do
		211	Jalk	13-14	V	Do
		212	Jalk	13-14	V	Do
		213	Kumbal	11-12	V	Do
		214	Kumbal	13-14	V	Do
		215	Pechka	22-23	IV	Do
		216	Baloja	12-13	V	Do
		217	Kumbal	16-17	V	Do
		218	Kumbal	14-15	V	Do
		219	Shisham	11-12	V	Do
		220	Pechka	13-14	V	Do
		221	Shisham	12-13	V	Do
		222	Saman	13-14	V	Do
		223	Saman	18-19	V	Do
		224	Ambia	16-17	V	Do
		225	Ambia	19-20	V	Do
		226	Pechka	25-26	IV	Do
		227	Pechka	18-19	V	Do
		228	Pechka	24-25	IV	Do
		229	Pechka	16-17	V	Do
		230	Pechka	17-18	V	Do
		231	Pechka	15-16	V	Do
		232	Bud	26-27	IV	Do
		233	Bud	14-15	V	Do
		234	Bud	24-25	II-B	Do
		235	Bud	31-32	III	Do
		236	Pechka	15-16	V	Do
		237	Bud	25-26	IV	Do
		238	Pechka	15-16	V	Do
		239	Pechka	25-26	IV	Do
		240	Pechka	30-31	III	Do
		241	Jalk	23-24	IV	Do
		242	Bil	21-22	IV	Do
		243	Jaman	11-12	V	Do
		244	Jaman	31-32	III	Do
		245	Shisham	23-24	IV	Do
		246	Shisham	29-30	IV	Do
		247	Jalk	14-15	V	Do
		248	Pechka	25-26	IV	Do
		249	Pechka	25-26	IV	Do
		250	Bud	32-33	III	Do

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 Station
 Singh
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For
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Klasra No	Name of Forest	Se. No.	Species	Dia	Class	Status of Tree
		251	Badi	18-19	V	Do
		252	Bil	11-12	V	Do
		253	Kambhal	13-14	V	Do
		254	Shisham	26-27	IV	Do
		255	Kambhal	14-15	V	Do
		256	Shisham	14-15	V	Do
		257	Pechka	26-27	IV	Do
		258	Jaman	59-60	II-B	Do
		259	Jaman	25-26	IV	Do
		260	Shisham	15-16	V	Do
		261	Shisham	13-14	V	Do
		262	Pechka	27-28	IV	Do
		263	Shisham	13-14	V	Do
		264	Shisham	18-19	V	Do
		265	Shisham	26-27	IV	Do
		266	Shisham	28-29	IV	Do
		267	Pechka	31-32	III	Do
		268	Pechka	28-29	IV	Do
		269	Pechka	23-24	IV	Do
		270	Pechka	26-27	IV	Do
		271	Pechka	27-28	IV	Do
		272	Pechka	24-25	IV	Do
		273	Pechka	28-29	IV	Do
		274	Pechka	24-25	IV	Do
		275	Pechka	26-27	IV	Do
		276	Pechka	22-23	IV	Do
		277	Pechka	23-24	IV	Do
		278	Shisham	17-18	V	Do
		279	Pechka	18-19	V	Do
		280	Pechka	17-18	V	Do
		281	Pechka	21-22	IV	Do
		282	Pechka	18-19	V	Do
		283	Badi	27-28	IV	Do
		284	Badi	31-32	III	Do
		285	Pechka	21-22	IV	Do
		286	Pechka	18-19	V	Do
		287	Pechka	24-25	IV	Do
		288	Pechka	25-26	IV	Do
		289	Pechka	27-28	IV	Do
		290	Pechka	12-13	V	Do
		291	Shisham	25-26	IV	Do
		292	Shisham	16-17	V	Do
		293	Shisham	16-17	V	Do
		294	Shisham	13-14	V	Do
		295	Badi	24-25	IV	Do
		296	Pechka	33-34	III	Do
		297	Pechka	25-26	IV	Do

Shisham
Badi

Single
Pechka

Single
Pechka

Shisham
Badi

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
		298	Shisham	24-25	IV	Do
		299	Shisham	15-16	V	Do
		300	Shisham	17-18	V	Do
		301	Pechia	27-28	IV	Do
		302	Pechia	24-25	IV	Do
		303	Pechia	24-25	IV	Do
		304	Bil	27-28	IV	Do
		305	Bil	38-39	III	Do
		306	Pechia	30-31	III	Do
		307	Bil	21-22	IV	Do
		308	Pechia	29-30	IV	Do
		309	Pechia	39-40	III	Do
		310	Shisham	31-32	III	Do
		311	Shisham	17-18	V	Do
		312	Shisham	13-14	V	Do
		313	Shisham	23-24	IV	Do
		314	Shisham	15-16	V	Do
		315	Samn	11-12	V	Do
		316	Shisham	27-28	IV	Do
		317	Shisham	11-12	V	Do
		318	Shisham	12-13	V	Do
		319	Shisham	16-17	V	Do
		320	Shisham	30-31	III	Do
		321	Pechia	26-27	IV	Do
		322	Pechia	21-22	IV	Do
		323	Pechia	30-31	III	Do
		324	Pechia	30-31	III	Do
		325	Pechia	20-21	IV	Do
		326	Pechia	13-14	V	Do
		327	Pechia	14-15	V	Do
		328	Pechia	16-17	V	Do
		329	Pechia	24-25	IV	Do
		330	Pechia	16-17	V	Do
		331	Pechia	23-24	IV	Do
		332	Pechia	23-24	IV	Do
		333	Pechia	17-18	V	Do
		334	Pechia	33-34	III	Do
		335	Pechia	27-28	IV	Do
		336	Shisham	18-19	V	Do
		337	Kirak	11-12	V	Do
		338	Kirak	12-13	V	Do
		339	Samn	24-25	IV	Do
		340	Samn	31-32	III	Do
		341	Kumbul	15-16	V	Do
		342	Kirak	17-17	V	Do
		343	Kirak	13-14	V	Do
		344	Kirak	16-17	V	Do
		345	Bawal	16-17	V	Do
		346	Bawal	23-24	IV	Do
		347	Kirak	27-28	IV	Do
		348	Kirak	22-23	IV	Do
		349	Chamroo	27-28	IV	Do
		350	Chamroo	18-19	V	Do

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Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
		351	Khink	28-29	IV	Do
		352	Saman	18-19	V	Do
		353	Bawal	19-20	V	Do
		354	Saman	24-25	IV	Do
		355	Saman	23-24	IV	Do
		356	Saman	15-16	V	Do
		357	Saman	12-13	V	Do

Single
1/4th of 1/2
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Bawal

ABSTRACT

S. No.	Species	Sex	Class									Total	
			V	IV	III	IIA	IIB	IA	I	0	U		
1	Shear	Sex				1							1
		Vol				1.75km ²							1.75km ²
2	Shear	Sex	11	20	1								32
		Vol	1.00km ²	1.65km ²	1.00km ²								3.65km ²
3	Jaeger	Sex	11	2	2		1				1		17
		Vol	1.00km ²	1.00km ²	1.75km ²		1.00km ²				0.75km ²		5.50km ²
4	Shear	Sex				1							1
		Vol				1.75km ²							1.75km ²
5	Shear	Sex	1	1									2
		Vol	1.75km ²	1.00km ²									2.75km ²
6	Shear	Sex	1	1									2
		Vol	0.00km ²	1.75km ²									1.75km ²
7	Shear	Sex	1	1	4	1	1				1		10
		Vol	1.75km ²	1.75km ²	2.50km ²	1.00km ²	0.75km ²				0.75km ²		8.50km ²
8	Shear	Sex	1										1
		Vol	1.00km ²										1.00km ²
9	Shear	Sex	11	1									12
		Vol	1.75km ²	0.00km ²									1.75km ²
10	Shear	Sex	21	30	10	1							62
		Vol	2.50km ²	11.00km ²	6.50km ²	1.75km ²							21.75km ²
11	Shear	Sex	11	1	1								14
		Vol	1.00km ²	0.75km ²	0.75km ²								2.50km ²
12	Shear	Sex	11	1	1								14
		Vol	1.75km ²	1.00km ²	1.00km ²								3.75km ²
13	Shear	Sex	1	1	1								4
		Vol	0.00km ²	1.00km ²	0.75km ²								1.75km ²
14	Shear	Sex	1										1
		Vol	1.75km ²										1.75km ²
15	Shear	Sex		1									1
		Vol		0.75km ²									0.75km ²
16	Shear	Sex	1	1									2
		Vol	0.75km ²	0.75km ²									1.50km ²
17	Shear	Sex	1										1
		Vol	0.75km ²										0.75km ²
18	Shear	Sex	1	1	1								4
		Vol	1.00km ²	0.75km ²	0.75km ²								2.50km ²
19	Shear	Sex	1										1
		Vol	1.75km ²										1.75km ²
20	Shear	Sex	1										1
		Vol	1.75km ²										1.75km ²
Total	Sex	206	111	25	4	6					1	353	
	Vol	25.00km ²	34.00km ²	15.00km ²	4.00km ²	11.50km ²					12.00km ²	104.50km ²	

Manish
11/11/11

From Dr. Manish

Forest Officer
Bansgaon Forest Range
Bansgaon Forest Range
Bansgaon Forest Range

Enumeration list of green trees coming in the acquisition of SJVN Sanni Dam HEP in NDPP-13 Ogl-Sanna of Himri beat in Himri Block of Bhujj Forest Range Shikla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sl. No.	Species	Dia	Class	Status of Tree
56/1	NDPP-13	1	Pechka	26-27	IV	Green standing
		2	Shisham	31-32	III	Do
		3	Shisham	15-16	V	Do
		4	Shisham	24-25	IV	Do
		5	Shisham	23-24	IV	Do
		6	Shisham	12-13	V	Do
		7	Pechka	18-19	V	Do
		8	Sanna	15-16	V	Do
		9	Shisham	13-14	V	Do
		10	Shisham	13-14	V	Do
		11	Shisham	14-15	V	Do
		12	Pechka	25-26	IV	Do
		13	Pechka	16-17	V	Do
		14	Shisham	11-12	V	Do
		15	Shisham	15-16	V	Do
		16	Shisham	23-24	IV	Do
		17	Pechka	25-26	IV	Do
		18	Pechka	29-30	IV	Do
		19	Pechka	15-16	V	Do
		20	Pechka	28-29	IV	Do
		21	Pechka	29-30	IV	Do
		22	Pechka	15-16	V	Do
		23	Sanna	13-14	V	Do
		24	Sanna	12-13	V	Do
		25	Sanna	18-19	V	Do
		26	Pechka	26-27	IV	Do
		27	Pechka	27-28	IV	Do
		28	Pechka	31-32	III	Do
		29	Pechka	31-32	III	Do
		30	Pechka	25-26	IV	Do
		31	Pechka	16-17	V	Do
		32	Pechka	28-29	IV	Do
		33	Pechka	28-29	IV	Do
		34	Pechka	17-18	V	Do
		35	Pechka	18-19	V	Do
		36	Shisham	27-28	IV	Do
		37	Amrey	23-24	IV	Do
		38	Shisham	12-13	V	Do
		39	Shisham	12-13	V	Do
		40	Shisham	15-16	V	Do
		41	Janna	31-32	III	Do
		42	Shisham	16-17	V	Do
		43	Pechka	27-28	IV	Do
		44	Pechka	28-29	IV	Do
		45	Pechka	27-28	IV	Do

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16 Himri Estimation

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
		46	Pechla	24-25	IV	Do
		47	Shaham	27-28	IV	Do
		48	Pechla	28-29	IV	Do
		49	Shaham	13-14	V	Do
		50	Pechla	27-28	IV	Do
		51	Pechla	28-29	IV	Do
		52	Pechla	29-30	IV	Do
		53	Pechla	27-28	IV	Do
		54	Pechla	28-29	IV	Do
		55	Pechla	27-28	IV	Do
		56	Tremble	26-27	IV	Do
		57	Shaham	16-17	V	Do
		58	Pechla	18-19	V	Do
		59	Pechla	17-18	V	Do
		60	Pechla	26-27	IV	Do
		61	Pechla	28-29	IV	Do
		62	Pechla	29-30	IV	Do
		63	Pechla	31-32	III	Do
		64	Pechla	26-27	IV	Do
		65	Pechla	24-25	IV	Do
		66	Pechla	27-28	IV	Do
		67	Pechla	22-23	IV	Do
		68	Jamun	26-27	IV	Do
		69	Pechla	31-32	III	Do
		70	Pechla	23-24	IV	Do
		71	Jamun	28-29	IV	Do
		72	Pechla	22-23	IV	Do
		73	Pechla	24-25	IV	Do
		74	Pechla	26-27	IV	Do
		75	Pechla	26-27	IV	Do
		76	Pechla	18-19	V	Do
		77	Pechla	19-20	V	Do
		78	Pechla	19-20	V	Do
		79	Pechla	14-15	V	Do
		80	Pechla	22-23	IV	Do
		81	Pechla	21-22	IV	Do
		82	Pechla	26-27	IV	Do
		83	Pechla	28-29	IV	Do
		84	Pechla	27-28	IV	Do
		85	Pechla	24-25	IV	Do
		86	Pechla	26-27	IV	Do
		87	Pechla	27-28	IV	Do
		88	Shaham	17-18	V	Do
		89	Pechla	27-28	IV	Do
		90	Pechla	14-15	V	Do
		91	Pechla	17-18	V	Do
		92	Dal	28-29	IV	Do
		93	Dal	31-32	III	Do
		94	Dal	15-16	V	Do

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ABSTRACT K.No 56/1						
Sr.No	Species		Class			Total
			V	IV	III	
1	Shisham	Nos	14	5	1	20
		Vol	1.610m ³	1.540m ³	0.635m ³	3.785m ³
2	Jaman	Nos		2	1	3
		Vol		0.614m ³	0.635m ³	1.251m ³
3	Bad	Nos	1	1	1	3
		Vol	0.115m ³	0.308m ³	0.635m ³	1.058m ³
4	Aubry	Nos		1		1
		Vol		0.308m ³		0.308m ³
5	Samu	Nos	4			4
		Vol	0.460m ³			0.460m ³
6	Tambul	Nos		1		1
		Vol		0.308m ³		0.308m ³
7	Pachka	Nos	15	43	4	62
		Vol	1.725m ³	13.244m ³	2.540m ³	17.509m ³
8	Total	Nos	34	53	7	94
		Vol	3.910m ³	16.324m ³	4.415m ³	24.679m ³

SAMPLING OF K.NO.56/1							
Species	Shisham	Jaman	Samu	Khirkh	Tambul	Pachka	Badal
Nos	285	6	4	8	6	11	8
Total No of Sapling						328	

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Enumeration list of green trees coming in the acquisition of SJVN Sunni Dam HEP in NDPF-13 Oglil-Sanna of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
4/1	NDPF-13	1	Sarhal	51-52	III-B	Green standing
		2	Baleja	25-26	VI	Green standing
		3	Baleja	13-14	V	Green standing
		4	Baleja	11-12	V	Green standing
		5	Pechka	13-14	V	Green standing
		6	Baleja	11-12	V	Green standing
		7	Baleja	12-13	V	Green standing
		8	Baleja	14-15	V	Green standing
		9	Baleja	23-24	IV	Green standing
		10	Bance	18-19	V	Green standing
		11	Shisham	26-27	IV	Green standing
		12	Shisham	14-15	V	Green standing
		13	Sarhal	42-43	II-A	Green standing
		14	Bair	15-16	V	Green standing
		15	Pechka	12-13	V	Green standing
		16	Pechka	14-15	V	Green standing
		17	Shisham	18-19	V	Green standing
		18	Pechka	23-24	IV	Green standing

ABSTRACT KNO 4/1

Sr.No	Species	Class				Total	
			V	IV	II-A		II-B
1	Shisham	Nos	2	1	-	-	3
		Vol	0.230m ³	0.308m ³	-	-	0.538m ³
2	Sarhal	Nos	-	-	1	1	2
		Vol	-	-	1.241m ³	1.985m ³	3.226m ³
3	Bance	Nos	1	-	-	-	1
		Vol	0.115m ³	-	-	-	0.115m ³
4	Bair	Nos	1	-	-	-	1
		Vol	0.115m ³	-	-	-	0.115m ³
5	Baleja	Nos	5	2	-	-	7
		Vol	0.575m ³	0.616m ³	-	-	1.191m ³
6	Pechka	Nos	3	1	-	-	4
		Vol	0.345m ³	0.308m ³	-	-	0.653m ³
7	Total	Nos	12	4	1	1	18
		Vol	1.380m ³	1.232m ³	1.241m ³	1.985m ³	5.838m ³

Supling	Species	Shisham	Pechka	Baleja	Karhal
	Nos	22	8	10	12
	Species	Bair	Sarhal		
	Nos	6	8		
Total No					70

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Range Forest Officer
Bhaji Forest Range Office
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Enumeration list of green trees coming in the acquisition of SPVN Sunni Dam IEP in NDPF-13 Ogl-Sunni of Hauri beat in Hauri Block of Bhajji Forest Range Shanta Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
463	NDPF-13	1	Bair	17-18	V	Green Standing
		2	Pechka	14-15	V	Green Standing
		3	Bair	23-24	IV	Green Standing
		4	Pechka	27-28	IV	Green Standing
		5	Pechka	14-15	V	Green Standing
		6	Bair	27-28	IV	Green Standing
		7	Bair	18-19	V	Green Standing
		8	Bair	16-17	V	Green Standing
		9	Bair	22-23	IV	Green Standing
		10	Pechka	28-29	IV	Green Standing
		11	Karyal	13-16	V	Green Standing
		12	Bair	22-23	IV	Green Standing
		13	Bair	18-19	V	Green Standing
		14	Pechka	21-22	IV	Green Standing
		15	Baloja	28-27	IV	Green Standing
		16	Baloja	20-21	IV	Green Standing
		17	Bair	15-16	V	Green Standing
		18	Bair	17-18	V	Green Standing
		19	Bair	18-19	V	Green Standing

ABSTRACT KNO 463

Sr.No	Species	Class			
		V	IV	Total	
1	Karyal	Nos	1	-	1
		Vol	0.115m ³	-	0.115m ³
2	Bair	Nos	7	4	11
		Vol	0.805m ³	1.232m ³	2.037m ³
3	Pechka	Nos	2	3	5
		Vol	0.220m ³	0.920m ³	1.150m ³
4	Baloja	Nos	-	2	2
		Vol	-	0.616m ³	0.616m ³
5	Total	Nos	10	9	19
		Vol	1.150m ³	2.772m ³	3.922m ³

Sapling	Species	Kambhal	Pechka	Dad	Karyal
	Nos	42	21	18	16
	Species	Trenhal	Khurak		
	Nos	7	13		
Total					117

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Range Forest Officer
Bhaji Forest Range Office
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Enumeration list of green trees zoning in the acquisition of SJVN Small Dam HEP in NDPP-13 Ogl-Sanna of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
455/1	NDPP-13	1	Baloja	18-19	V	Green Standing
		2	Shisham	12-13	V	Do
		3	Shisham	14-15	V	Do
		4	Baloja	12-13	V	Do
		5	Shisham	12-13	V	Do
		6	Baloja	25-26	IV	Do
		7	Bair	18-19	V	Do
		8	Bair	19-20	V	Do
		9	Bair	17-18	V	Do
		10	Bair	15-16	V	Do
		11	Baloja	20-21	III	Do
		12	Baloja	18-19	V	Do
		13	Baloja	27-28	IV	Do
		14	Baloja	25-26	IV	Do
		15	Baloja	11-12	V	Do
		16	Baloja	32-33	III	Do
		17	Shisham	11-12	V	Do
		18	Baloja	15-16	V	Do
		19	Ambre	14-15	III	Do
		20	Ambre	52-53	II-B	Do
		21	Jamun	31-32	III	Do

ABSTRACT

Sr.No	Species	Class				Total	
		V	IV	III	II-B		
1	Shisham	Num	4	-	-	-	4
		Vol	0.460m ³	-	-	-	0.460m ³
2	Jamun	Num	-	-	1	-	1
		Vol	-	-	0.635m ³	-	0.635m ³
3	Ambre	Num	-	-	1	1	2
		Vol	-	-	0.615m ³	1.985m ³	2.600m ³
4	Baloja	Num	5	3	2	-	10
		Vol	0.575m ³	0.924m ³	1.270m ³	-	2.769m ³
5	Bair	Num	4	-	-	-	4
		Vol	0.460m ³	-	-	-	0.460m ³
6	Total	Num	13	3	4	1	21
		Vol	1.495m ³	0.924m ³	2.540m ³	1.985m ³	6.944m ³

Supling	Species	Shisham	Jamun	Baloja	Tum
	Num	85	6	20	12
Supling	Species	Kumbha	Bud		
	Num	52	12		
Total					167

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Rang Forest Officer
Bhaji Forest Range Office
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Enumeration list of green trees coming in the acquisition of SJVN Sumi Dam HEP in NDPS-13 Ogl-Suma of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Sr. No.	Species	Dia	Class	Status of Tree
11/1	1	Shisham	15-16	V	Green standing
	2	Shisham	13-14	V	Do
	3	Shisham	22-23	IV	Do
	4	Shisham	14-15	V	Do
	5	Shisham	12-13	V	Do
	6	Shisham	18-19	V	Do
	7	Kambhal	18-19	V	Do
ABSTRACT K.NO 11/1					
CLASS					
Sr.No	Species		V	IV	Total
1	Shisham	No.	5	1	6
		Vol	0.575m ³	0.308m ³	0.883m ³
2	Kambhal	No.	1		1
		Vol	0.115m ³		0.115m ³
3	Total	No.	6	1	7
		Vol	0.690m ³	0.308m ³	0.998m ³
SAPLING OF K.NO.11/1					
Species	Shisham	Ink	Lacunia	Kambhal	Lecda
No.	42	21	18	16	13
Total No of Sapling					110

Singh
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For
Signature

Signature
Range Forest Officer
(Shg). Forest Range Office
Sumi

Enumeration list of green trees coming in the acquisition of SJVN Sunit Dam RFP in NDFF-13 Oglisuma of Himri beat in Himri Block of Bhujji Forest Range Shikla Forest Division for the year 2018-19.

Khura No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
238	NDFF-13	1	Shisham	32-33	III	Green standing
		2	Shisham	14-15	V	Do
		3	Shisham	13-14	V	Do
		4	Shisham	20-21	IV	Do
		5	Shisham	12-13	V	Do
		6	Shisham	25-26	IV	Do
		7	Bud	24-25	IV	Do
		8	Bud	25-26	IV	Do
		9	Pechka	17-18	V	Do
		10	Kumbal	12-13	V	Do
		11	Kumbal	14-15	V	Do
		12	Shisham	26-27	IV	Do
		13	Pechka	12-13	V	Do
		14	Pechka	23-24	IV	Do
		15	Shisham	21-22	IV	Do
		16	Shisham	21-22	IV	Do

ABSTRACT K.No 238

Sr.No	Species		Class			Total
			V	IV	III	
1	Shisham	Nos	2	5	1	9
		Vol	0.345m ³	1.540m ³	0.635m ³	2.520m ³
2	Bud	Nos		2		2
		Vol		0.616m ³		0.616m ³
3	Pechka	Nos	2	1		3
		Vol	0.230m ³	0.308m ³		0.538m ³
4	Kumbal	Nos	2			2
		Vol	0.230m ³			0.230m ³
5	Total	Nos	7	8	1	16
		Vol	0.805m ³	2.464m ³	0.635m ³	3.904m ³

SAPLING OF K.NO.238

Species	Shisham	Bud	Pechka	Kumbal	Satan	Korak
Nos	17	4	6	10	6	3
Total No of Sapling						46

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Range Forest Officer
Bhujji Forest Range Office
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Enumeration list of green trees existing in the acquisition of SJVN Sumri Dam IEP in NDPF-13 Ogl-Sumra of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khussa No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
4	NDPF-13	1	Bud	12-13	V	Green standing
		2	Bud	14-15	V	Do
		3	Saman	25-26	IV	Do
		4	Juman	13-14	V	Do
		5	Juman	12-13	V	Do
		6	Pechka	12-13	V	Do

ABSTRACT K.No 4

Sr.No	Species		Class		Total
			V	IV	
1	Juman	Nos	2		2
		Vol	0.230m ³		0.230m ³
2	Bud	Nos	2		2
		Vol	0.230m ³		0.230m ³
3	Saman	Nos		1	1
		Vol		0.308m ³	0.308m ³
4	Pechka	Nos	1		1
		Vol	0.115m ³		0.115m ³
Total	Total	Nos	5	1	6
		Vol	0.575m ³	0.308m ³	0.883m ³

SAMPLING OF K.NO.4

Species	Juman	Bud	Saman	Pechka	Mishram	
Nos	1	4	3	4	6	
Total No of Sapling						20

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Range Forest Officer
Bhaji Forest Range Office
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Enumeration list of green trees coming in the acquisition of NIVN Sumi Dam HPP in NDPF-13 Oglisuma of Himri beat in Himri Block of Bhajji Forest Range Shikha Forest Division for the year 2018-19.

Khasra No 6	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
	NDPF-13	1	Pechka	17-18	V	Green standing
		2	Pechka	18-19	V	Do
		3	Bair	13-14	V	Do
		4	Ledra	16-17	V	Do
		5	Ledra	13-14	V	Do
		6	Khirk	12-13	V	Do
		7	Bair	27-28	IV	Do
		8	Bair	12-13	V	Do
		9	Ledra	13-14	V	Do

ABSTRACT K.No 6

Sr.No	Species		Class		Total
			V	IV	
1	Khirk	Nos	1		1
		Vol	0.115m ³		0.115m ³
2	Bair	Nos	2	1	3
		Vol	0.230m ³	0.308m ³	0.538m ³
3	Pechka	Nos	2		2
		Vol	0.230m ³		0.230m ³
4	Ledra	Nos	3		3
		Vol	0.345m ³		0.345m ³
5	Total	Nos	8	1	9
		Vol	0.920m ³	0.308m ³	1.228m ³

SAPLING OF K.NO.6

Species	Dad	Khirk	Kambal	Pechka	Ledra	Total no of Sapling
Nos	6	2	11	3	4	26

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Range Forest Officer
Bhajji Forest Range Office
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Enumeration list of green trees coming in the acquisition of SJVN Sanni Dam IRP in NDPP-13 Oglh-Sanna of Himri beat in Himri Block of Bhajji Forest Range Shinda Forest Division for the year 2018-19.

Khata No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
389	NDPP-13	1	Bud	16-17	III	Green standing
		2	Shisham	22-23	IV	Do
		3	Shisham	23-24	IV	Do
		4	Pechka	24-25	IV	Do
		5	Shisham	15-16	V	Do
		6	Shisham	13-14	V	Do
		7	Shisham	13-14	V	Do
		8	Kanath	26-27	IV	Do
		9	Shisham	26-27	IV	Do
		10	Shisham	22-23	IV	Do
		11	Shisham	23-24	IV	Do
		12	Shisham	12-13	V	Do
		13	Shisham	13-14	V	Do
		14	Shisham	26-27	IV	Do
		15	Shisham	15-16	V	Do
		16	Shisham	12-13	V	Do
		17	Bud	27-28	IV	Do
		18	Kakkur	26-27	IV	Do
		19	Kakkur	27-28	IV	Do
		20	Bud	27-28	IV	Do
		21	Kakkur	28-29	IV	Do
		22	Saman	22-23	IV	Do
		23	Pechka	18-19	V	Do
		24	Pechka	21-22	IV	Do
		25	Pechka	22-23	IV	Do
		26	Shisham	14-15	V	Do
		27	Ladra	12-13	V	Do
		28	Pechka	32-33	III	Do
		29	Pechka	18-19	V	Do
		30	Ladra	22-23	IV	Do
		31	Shisham	12-13	V	Do
		32	Jamus	24-25	IV	Do
		33	Jamus	38-39	III	Do
		34	Bud	28-29	IV	Do
		35	Shisham	14-15	V	Do
		36	Shisham	16-17	V	Do
		37	Shisham	15-16	V	Do
		38	Pechka	16-17	V	Do
		39	Pechka	18-19	V	Do
		40	Bud	13-16	V	Do
		41	Mango	42-43	II-A	Do
		42	Pechka	22-23	IV	Do

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Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
		43	Pechka	16-17	V	Do
		44	Pechka	25-26	IV	Do
		45	Bad	28-29	IV	Do
		46	Bad	18-19	V	Do
		47	Bad	29-30	IV	Do
		48	Bad	18-19	V	Do
		49	Bad	17-18	V	Do
		50	Bad	31-32	III	Do
		51	Bad	28-29	IV	Do
		52	Bad	15-16	V	Do

ABSTRACT K.NO 389

Sr.No	Species		Class				Total
			V	IV	III	IIA	
1	Shisham	Num	12	6			18
		Vol	1.380m ³	1.848m ³			3.228m ³
2	Mango	Num				1	1
		Vol				1.241m ³	1.241m ³
3	Pechka	Num	5	5	1		11
		Vol	0.575m ³	1.340m ³	0.635m ³		2.550m ³
4	Bad	Num	5	6	2		13
		Vol	0.575m ³	1.848m ³	1.270m ³		3.693m ³
5	Ledra	Num	1	1			2
		Vol	0.115m ³	0.308m ³			0.423m ³
6	Jamun	Num		1	1		2
		Vol		0.308m ³	0.635m ³		0.943m ³
7	Kakkar	Num		3			3
		Vol		0.924m ³			0.924m ³
8	Kambal	Num		1			1
		Vol		0.308m ³			0.308m ³
9	Samra	Num		1			1
		Vol		0.308m ³			0.308m ³
10	Total	Num	23	24	4	1	52
		Vol	2.645m ³	7.392m ³	2.540m ³	1.241m ³	13.818m ³

SAPLING OF K.NO.389

Species	Shisham	Pechka	Kambal	Daru	Kakkar	Bad	Samra
Num	21	4	190	5	11	19	11
Total No of Sapling						261	

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 Range Officer
 Dhaga Forest Range Office
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Enumeration list of green trees counting in the acquisition of SJVN Sunit Dam HEP in NDPP-13 Ogl-Sunna of Hmar bear in Hmar Block of Bhaji Forest Range Shinda Forest Division for the year 2018-19.

Khata No.	Name of Forest	Sr. No.	Species	Dia.	Class
913/351	NDPP-13	1	Kumbal	13-14	V
		2	Shoosh	18-19	V
		3	Shoham	22-23	IV
		4	Shoham	18-19	V
		5	Baloja	19-20	V
		6	Pachka	16-17	V

ABSTRACT K.NO 913/351

Sr.No.	Species	CLASS			
		No.	V	IV	Total
1	Shoham	No.	1	1	2
		Vol.	0.115m ³	0.508m ³	0.423m ³
2	Shoosh	No.	1		1
		Vol.	0.115m ³		0.115m ³
3	Kumbal	No.	1		1
		Vol.	0.113m ³		0.113m ³
4	Baloja	No.	1		1
		Vol.	0.113m ³		0.113m ³
5	Pachka	No.	1		1
		Vol.	0.115m ³		0.115m ³
6	Total	No.	5	1	6
		Vol.	0.575m ³	0.308m ³	0.883m ³

SAPLING

Species	Shoham	Kumbal	Pachka	Jaman	Baloja	Shoosh
No.	22	13	4	2	5	3
Total						51

Enumeration list of green trees counting in the acquisition of SJVN Sunit Dam HEP in NDPP-13 Ogl-Sunna of Hmar bear in Hmar Block of Bhaji Forest Range Shinda Forest Division for the year 2018-19.

Khata No.	Name of Forest	Sr. No.	Species	Dia.	Class
914/351	NDPP-13	1	Baloja	21-22	IV
		2	Baloja	26-27	IV
		3	Baloja	26-27	IV
		4	Baloja	28-29	IV
		5	Baloja	06-13	V
		6	Baloja	17-18	V
		7	Baloja	28-29	IV

ABSTRACT K.NO 914/351

Sr.No.	Species	CLASS			
		No.	V	IV	Total
1	Baloja	No.	2	5	7
		Vol.	0.230m ³	1.540m ³	1.770m ³
2	Total	No.	2	5	7
		Vol.	0.230m ³	1.540m ³	1.770m ³

SAPLING

Species	Baloja	Kumbal	Total
No.	8	14	22

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Range Forest Office :
Bhaji, Forest Range Office
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Enumeration list of green trees coming in the acquisition of SJVN Sonni Dam HEP in NDPF-13 Ogd-Sonni of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
805/1	NDPF-13	1	Baleja	15-16	V	Green standing
		2	Baleja	12-13	V	Do
		3	Baleja	14-15	V	Do
		4	Baleja	13-14	V	Do
		5	Baleja	12-13	V	Do
		6	Baleja	17-18	V	Do
		7	Baleja	19-19	V	Do
		8	Shisham	12-13	V	Do

ABSTRACT K.NO 805/1

Sr.No	Species	Class		
			V	Total
1	Shisham	Nos	1	1
		Vol	0.115m ³	0.115m ³
2	Baleja	Nos	7	7
		Vol	0.805m ³	0.805m ³
3	Total	Nos	8	8
		Vol	0.920m ³	0.920m ³

SAMPLING OF K. NO 805/1

Species	Shisham	Baleja	Tani	Khirai	Kambai	Total
Nos	3	5	15	11	17	51

Enumeration list of green trees coming in the acquisition of SJVN Sonni Dam HEP in NDPF-13 Ogd-Sonni of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
108/1	NDPF-13	1	Baleja	16-17	V	Green standing
		2	Baleja	16-17	V	Do
		3	Baleja	17-18	V	Do
		4	Baleja	11-12	V	Do
		5	Baleja	22-23	IV	Do
		6	Pachha	14-15	V	Do

ABSTRACT K.NO 108/1

Sr.No	Species	Class			
			V	IV	Total
1	Pachha	Nos	1		1
		Vol	0.115m ³		0.115m ³
2	Baleja	Nos	4	1	5
		Vol	0.460m ³	1.308m ³	0.768m ³
3	Total	Nos	5	1	6
		Vol	0.575m ³	1.308m ³	0.883m ³

SAMPLING OF K. NO 108/1

Species	Baleja	Pachha	Total
Nos	10	7	17

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For
Signature

Range Forest Officer
Bhajji, Forest Range Office
Sunil

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Enumeration list of green trees coming in the acquisition of SJVN Sonai Dam IEP in NDPP-13 Oglu-Sanna of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2010-15.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
5	NDPP-13	1	Khirki	16-17	V	Green standing
		2	Kambal	14-15	V	Do
		3	Kambal	15-16	V	Do
		4	Pechka	27-28	IV	Do
		5	Pechka	24-25	IV	Do
		6	Bad	27-28	IV	Do
		7	Kambal	18-19	V	Do
		8	Jamri	27-28	IV	Do
		9	Bad	22-23	IV	Do
		10	Bad	26-27	IV	Do
		11	Bad	23-24	IV	Do
		12	Bad	22-23	IV	Do
		13	Bad	26-27	IV	Do
		14	Kakkar	22-23	IV	Do
		15	Pechka	17-18	V	Do
		16	Bad	24-25	IV	Do
		17	Kambal	23-24	IV	Do
		18	Pechka	28-29	IV	Do
		19	Jamri	22-23	IV	Do

ABSTRACT KNO 5

Sr. No	Species	Class			Total
			V	IV	
1	Jamri	Num	-	2	2
		Vol	-	0.616m ³	0.616m ³
2	Khirki	Num	1	-	1
		Vol	0.115m ³	-	0.115m ³
3	Bad	Num	-	7	7
		Vol	-	2.156m ³	2.156m ³
4	Kakkar	Num	-	1	1
		Vol	-	0.308m ³	0.308m ³
5	Kambal	Num	3	1	4
		Vol	0.345m ³	0.308m ³	0.653m ³
6	Pechka	Num	1	3	4
		Vol	0.115m ³	0.924m ³	1.039m ³
7	Total	Num	5	14	19
		Vol	0.575m ³	4.312m ³	4.887m ³

SAPLING OF K. NO 5

Species	Jamri	Pechka	Kambal	Bad	Treohal	Total
Num	4	4	6	4	2	22

Signature
V/C Himri

Signature
Range Forest Officer
Bhaji, Forest Range Office
Shimla

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Enumeration list of green trees coming in the acquisition of SJVN Sonni Dam HEP in U-10 Malgi Kothi of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
25/1	U-10	1	Baleja	11-12	V	Green standing
		2	Baleja	12-13	V	Do
		3	Shisham	20-21	IV	Do
		4	Baleja	20-21	IV	Do
		5	Baleja	14-15	V	Do
		6	Baleja	16-17	V	Do
		7	Baleja	14-15	V	Do
		8	Baleja	11-12	V	Do
		9	Baleja	13-14	V	Do
		10	Baleja	12-13	V	Do
		11	Baleja	11-12	V	Do
		12	Baleja	17-18	V	Do
		13	Baleja	16-17	V	Do
		14	Baleja	11-12	V	Do
		15	Sambal	34-35	III	Do
		16	Kango	22-23	IV	Do
		17	Kango	15-16	V	Do
		18	Baleja	12-13	V	Do
		19	Kambal	12-13	V	Do
		20	Baleja	28-29	IV	Do
		21	Jaman	31-32	III	Do
		22	Shisham	27-28	IV	Do
		23	Trembal	21-22	IV	Do
		24	Shisham	21-22	IV	Do
		25	Antrey	22-23	IV	Do
		26	Antrey	24-25	IV	Do
		27	Antrey	13-14	V	Do
		28	Shisham	14-15	V	Do
		29	Trembal	11-12	V	Do
		30	Trembal	12-13	V	Do
		31	Trembal	11-12	V	Do
		32	Trembal	13-14	V	Do
		33	Baleja	11-12	V	Do
		34	Shisham	13-14	V	Do
		35	Kango	25-26	IV	Do
		36	Trembal	11-12	V	Do
		37	Trembal	12-13	V	Do
		38	Jaman	22-23	IV	Do
		39	Shisham	13-14	V	Do
		40	Shisham	12-13	V	Do
		41	Shisham	12-13	V	Do

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For
Bhaji
Range
Bhaji Forest Range
Shimla

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ABSTRACT K.No 25/1						
Sr No	Species		Class			Total
			V	IV	III	
1	Shisham	Nos	5	3		8
		Vol	0.575m ³	0.924m ³		1.499m ³
2	Daloja	Nos	14	2		16
		Vol	1.610m ³	0.616m ³		2.226m ³
3	Kango	Nos	1	2		3
		Vol	0.115m ³	0.616m ³		0.731m ³
4	Kambal	Nos	1			1
		Vol	0.115m ³			0.115m ³
5	Jaman	Nos		1	1	2
		Vol		0.308m ³	0.635m ³	0.943m ³
6	Trembal	Nos	6	1		7
		Vol	0.690m ³	0.308m ³		0.998m ³
7	Andra	Nos	1	2		3
		Vol	0.115m ³	0.616m ³		0.731m ³
8	Sembal	Nos			1	1
		Vol			0.635m ³	0.635m ³
9	Total	Nos	28	11	2	41
		Vol	3.220m ³	3.388m ³	1.270m ³	7.878m ³
SAMPLING						
Species	Shisham	Kambal	Jok	Phegra	Lemna	Pachla
Nos	10	9	16	3	12	9
Species	Daloja	Trembal	Total			
Nos	11	6	90			

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Range Forest Officer
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Enumeration list of green trees coming in the acquisition of SJVN Samal Dam HEP in U-10 Malgi Kuthi of Himri beat in Himri Block of Blajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
609/1	U-10	1	Chil	23-28	IV	Green standing
		2	Chil	24-25	IV	Do
		3	Chil	25-26	IV	Do
		4	Chil	22-23	IV	Do
		5	Jaman	22-23	IV	Do
		6	Shisham	13-14	V	Do
		7	Trembal	17-18	V	Do
		8	Jaman	20-21	IV	Do
		9	Trembal	36-37	III	Do
		10	Pechka	11-12	V	Do
		11	Trembal	16-17	V	Do
		12	Shisham	19-20	V	Do
		13	Shisham	25-26	IV	Do
		14	Trembal	14-15	V	Do
		15	Shisham	15-16	V	Do
		16	Trembal	13-14	V	Do
		17	Pechka	27-28	IV	Do
		18	Pechka	21-22	IV	Do
		19	Karyal	13-14	V	Do
		20	Trembal	16-17	V	Do
		21	Trembal	15-16	V	Do
		22	Shisham	18-19	V	Do
		23	Karyal	13-14	V	Do

ABSTRACT K.No 609/1

Sr.No	Species		Class			Total
			V	IV	III	
1	Chil	Num		4		4
		Vol		1.232m ³		1.232m ³
2	Shisham	Num	4	1		5
		Vol	0.460m ³	0.308m ³		0.768m ³
3	Jaman	Num		2		2
		Vol		0.616m ³		0.616m ³
4	Trembal	Num	6		1	7
		Vol	0.690m ³		0.635m ³	1.325m ³
5	Pechka	Num	1	2		3
		Vol	0.115m ³	0.616m ³		0.731m ³
6	Karyal	Num	2			2
		Vol	0.230m ³			0.230m ³
7	Total	Num	13	9	1	23
		Vol	1.495m ³	2.772m ³	0.635m ³	4.902m ³

SAPLING OF K. NO 609/1

Species	Shisham	Pechka	Karibal	Khirak	Karyal	Trembal
Num	24	13	20	14	12	15
	Bad	Jak	Tuni	Phegra	Bair	Sheersh
	30	15	15	22	10	4
	Total					104

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1/c Himri

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Range Forest Officer
Engh, Forest Range Office

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Enumeration list of green trees coming in the acquisition of SJVN Small Dam HEP in U-10 Malgi Kothi of Himat forest in Himat Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khazra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
608	U-10	1	Pachira	11-12	V	Green standing
		2	Butea	12-13	V	Do
ABSTRACT K.NO 608						
		Class				
Sr.No	Species		V	Total		
1	Pachira	Non	1	1		
		Vol	0.115m ³	0.115m ³		
2	Butea	Non	1	1		
		Vol	0.115m ³	0.115m ³		
3	Total	Non	2	2		
		Vol	0.230m ³	0.230m ³		

SAMPLING OF K. NO 608

Species	Shisham	Pachira	Butea	Total
Non	5	4	4	13

Enumeration list of green trees coming in the acquisition of SJVN Small Dam HEP in U-10 Malgi Kothi of Himat forest in Himat Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khazra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
609	U-10	1	Shisham	12-13	V	Green standing
		2	Pachira	11-12	V	Do
ABSTRACT K.NO 609						
		Class				
Sr.No	Species		V	Total		
1	Shisham	Non	1	1		
		Vol	0.115m ³	0.115m ³		
2	Pachira	Non	1	1		
		Vol	0.115m ³	0.115m ³		
3	Total	Non	2	2		
		Vol	0.230m ³	0.230m ³		

SAMPLING OF K. NO 609

Species	Shisham	Pachira	Total
Non	4	3	7

Enumeration list of green trees coming in the acquisition of SJVN Small Dam HEP in U-10 Malgi Kothi of Himat forest in Himat Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khazra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
601	U-10	1	Pachira	14-15	V	Green standing
		2	Pachira	13-14	V	Do
ABSTRACT K.NO 601						
		Class				
Sr.No	Species		V	Total		
1	Pachira	Non	2	2		
		Vol	0.230m ³	0.230m ³		
2	Total	Non	2	2		
		Vol	0.230m ³	0.230m ³		

SAMPLING OF K. NO 601

Species	Samal	Kashal	Pachira	Non	Total
Non	5	4	9	4	22




 Y.C. Himu
 Range Forest Officer
 Bhajji Forest Range Office
 Shimla

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Enumeration list of green trees coming in the acquisition of SJVN Small Dam HEP in U-10 Malgi Kothi of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
602	U-10	1	Shisham	25-26	IV	Green standing
		2	Sambal	11-12	V	Do
		3	Kakkar	25-26	IV	Do
		4	Sambal	12-13	V	Do
		5	Sambal	13-14	V	Do
		6	Peekha	11-12	V	Do
		7	Peekha	18-19	V	Do
		8	Peekha	14-15	V	Do

ABSTRACT K.NO 602

Sr.No	Species	Nos	Class		Total
			V	IV	
1	Shisham	Nos	-	1	1
		Vol	-	0.308m ³	0.308m ³
2	Sambal	Nos	3	-	3
		Vol	0.345m ³	-	0.345m ³
3	Kakkar	Nos	-	1	1
		Vol	-	0.308m ³	0.308m ³
4	Peekha	Nos	3	-	3
		Vol	0.345m ³	-	0.345m ³
5	Total	Nos	6	2	8
		Vol	0.690m ³	0.616m ³	1.306m ³

SAMPLING OF K. NO 602

Species	Kaural	Sambal	Khirak	Shisham	Jalk	Total
Nos	8	2	1	3	2	25

Enumeration list of green trees coming in the acquisition of SJVN Small Dam HEP in U-10 Malgi Kothi of Himri beat in Himri Block of Bhajji Forest Range Shimla Forest Division for the year 2018-19.

Khasra No	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
603	U-10	1	Sheesh	11-12	V	Green standing
		2	Karyal	20-21	IV	Do
		3	Sambal	14-15	V	Do

ABSTRACT K.NO 603

Sr.No	Species	Nos	Class		Total
			V	IV	
1	Sambal	Nos	1	-	1
		Vol	0.115m ³	-	0.115m ³
2	Sheesh	Nos	1	-	1
		Vol	0.115m ³	-	0.115m ³
3	Karyal	Nos	-	1	1
		Vol	-	0.308m ³	0.308m ³
4	Total	Nos	2	1	3
		Vol	0.230m ³	0.308m ³	0.538m ³

SAMPLING OF K. NO 603

Species	Kaural	Peekha	Khirak	Shisham	Tim	Chil
Nos	8	5	4	6	2	1
Total						26

Signature
K. Himri

Signature
K. Himri

Signature
Ranga Forest Officer
Bhajji Forest Range Office
Shimla

GENERAL ABSTRACT

Kanyali beat

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Sl. No.	Species		Sighting	Class										Total (No. of)
				V (No. of)	IV (No. of)	III (No. of)	IIA (No. of)	IIB (No. of)	IA (No. of)	III (No. of)	IC (No. of)	IB (No. of)	IE (No. of)	
1	Bhoir	No.		2		1	2		2		1	2		11
		Vol.		1.245		0.645	2.482		1.245		11.062	12.69		26.189
2	Brahul	No.		4	8	2	2	1			1			19
		Vol.		4.448	2.464	1.965	1.244	1.965			4.208			17.294
3	Bulbul	No.	211	20	24	2								271
		Vol.		4.270	10.472	1.205								16.747
4	Daf	No.	10	8	12	4						1		25
		Vol.		4.520	1.996	2.29						6.091		15.307
5	Fulbia	No.	212	121	166	4								503
		Vol.		16.739	22.572	2.149								41.460
6	Gall	No.	39	2	2									43
		Vol.		0.210	0.618									0.828
7	Chil	No.		24	14	1								41
		Vol.		1.735	4.212	2.111								8.058
8	Kiwit	No.	174	7	2				1					174
		Vol.		0.801	0.024				1.992					2.717
9	Koyal	No.	100	2	2									104
		Vol.		0.242	0.414									0.656
10	Hive	No.	212	1	1									214
		Vol.		0.271	0.399									0.670
11	Kugr	No.	41	2										43
		Vol.		0.218										0.218
12	Kushal	No.	110	2										112
		Vol.		0.118										0.236
13	Samr	No.	178	8	2									188
		Vol.		0.469	0.308									0.777
14	Tumbal	No.	14	7	8					1				23
		Vol.		0.811	2.444					4.888				7.293
15	Anter	No.	19	2	1									22
		Vol.		0.236	0.308									0.544
16	Ur	No.		2	8	2	2	1	1					16
		Vol.		0.910	1.111	0.445	1.244	1.965	2.918					11.543
17	Surab	No.	240	2	11									253
		Vol.		0.225	1.111									2.361
18	Kakar	No.	12	2	1		1							16
		Vol.		0.245	2.272	0.645	1.244							4.953
19	Khal	No.	60	12	11									83
		Vol.		0.882	1.288									2.170
20	Yal	No.	12	8	1	1								22
		Vol.		0.440	0.208	0.655								1.303
21	Palas	No.			2									2
		Vol.			0.208	1.270								1.478
22	Ppat	No.			1					1	1			3
		Vol.			0.625					2.018	0.026			2.671
23	Arada	No.	28	2	1									31
		Vol.		0.22	0.208									0.428
24	Umar	No.	112	9	2									123
		Vol.		1.075	0.208	0.22								1.503
25	Uradhu	No.	18	1	8	1	1							28
		Vol.		0.115	1.088	0.22	1.244	1.965						4.632
26	Bulbul	No.	242	13	21	2	1							279
		Vol.		2.792	0.664	1.27	1.244							4.970
27	Phaga	No.	14	2										16
		Vol.		0.22	0.208									0.428
28	Devk	No.	18	8	1									27
		Vol.		0.92	0.308									1.228
29	Lacalia	No.	29	1										30
		Vol.		0.11										0.11
30	Vasa	No.			1									1
		Vol.			0.308									0.308
31	Uro	No.	20											20
		Vol.												
Total	No.	2028	294	264	41	7	2	2	2	6	3	6		2041
	Vol.		16.317	29.212	28.798	8.691	7.46	4.351	4.914	20.296	16.131	6.088		121.520

Checked by
Kanyali beat

Erro
6041000

Range Forest Officer
Kanyali beat

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Enumeration list of green standing trees coming in the acquisition of SIVN Sunni Dam HEP in U-14
Bhadrak of Karyali beat Hivri Block of Bhajji Forest Range Sunni Forest Division Shimla (H.P) for the year
2014-15.

Khasra No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
401	U-14	1	Chair	23-24	IV	Green Standing
		2	Shisham	27-28	V	Do
		3	Pechka	27-28	IV	Do
		4	Pechka	25-26	IV	Do
		5	Takar	27-28	IV	Do
		6	Baloja	30-31	III	Do
		7	Sarundna	21-22	IV	Do
		8	Saersh	22-23	IV	Do
		9	Chair	18-19	V	Do
		10	Baloja	15-16	V	Do
		11	Pechka	16-17	V	Do
		12	Pechka	15-16	V	Do
		13	Baloja	15-16	V	Do
		14	Sarundna	35-36	III	Do
		15	Sarundna	18-19	V	Do
		16	Sarundna	22-23	IV	Do
		17	Sarundna	24-25	IV	Do
		18	Baloja	18-19	V	Do
		19	Sarundna	30-31	III	Do
		20	Sarundna	30-31	III	Do
		21	Baloja	20-21	IV	Do
		22	Pechka	30-31	III	Do
		23	Baloja	20-21	IV	Do
		24	Baloja	20-21	IV	Do
		25	Baloja	22-23	IV	Do
		26	Baloja	18-19	V	Do
		27	Baloja	15-16	V	Do
		28	Simbal	27-28	IV	Do
		29	Pechka	18-19	V	Do
		30	Pechka	17-18	V	Do
		31	Baloja	18-19	V	Do
		32	Sarundna	35-36	III	Do
		33	Baloja	16-17	V	Do
		34	Sarundna	30-31	III	Do
		35	Sarundna	30-31	III	Do
		36	Sarundna	24-25	IV	Do
		37	Shisham	15-16	V	Do
		38	Simbal	30-31	III	Do
		39	Simbal	15-16	V	Do
		40	Sarundna	17-18	III	Do
		41	Amia	15-16	V	Do
		42	Bil	15-16	V	Do
		43	Bal	16-17	V	Do
		44	Bal	15-16	V	Do
		45	Dreak	15-16	V	Do
		46	Chair	15-16	V	Do

*Sunni Forest
Bhadrak of Karyali
beat*

*DM
Bd Hivri*

47	Simbal	38-39	III	Do
48	Kakar	16-17	V	Do
49	Jamun	18-19	V	Do
50	Lesunta	16-17	V	Do
51	Baloja	27-28	IV	Do
52	Shisham	27-28	IV	Do
53	Pechka	17-18	V	Do
54	Khirak	15-16	V	Do
55	Simbal	15-16	V	Do
56	Simbal	27-28	IV	Do
57	Simbal	14-15	V	Do
58	Khirak	15-16	V	Do
59	Turi	15-16	V	Do
60	Simbal	35-36	III	Do
61	Pechka	16-17	V	Do
62	Baloja	16-17	V	Do
63	Pechka	18-19	V	Do
64	Baloja	20-21	IV	Do
65	Patara	26-27	IV	Do
66	Pechka	17-18	V	Do
67	Baloja	17-18	V	Do
68	Khirak	20-21	IV	Do
69	lad	27-28	ID	Do
70	Khirak	56-57	III	Do
71	Popal	80-81	IC	Do
72	Tremkol	18-19	V	Do
73	lad	35-36	III	Do
74	Shisham	15-16	V	Do
75	Shisham	16-17	V	Do
76	Shisham	20-21	IV	Do
77	Baloja	28-29	IV	Do
78	Simbal	80-81	IC	Do
79	Shisham	16-17	V	Do
80	Shisham	15-16	V	Do
81	Shisham	15-16	V	Do
82	Baloja	21-22	IV	Do
83	Baloja	20-21	II	Do
84	Simbal	38-39	II	Do
85	Baloja	20-21	IV	Do
86	Shisham	20-21	IV	Do
87	Simbal	80-81	IC	Do
88	Popal	70-71	II	Do

*Shisham Ref.
P. de Kaspale
bet.*

*Dim
Bodhimiti*

ABSTRACT										
Species	Class									
	V (cu m)	IV (cu m)	III (cu m)	IIA (cu m)	III (cu m)	IA (cu m)	II (cu m)	IC (cu m)	ID (cu m)	Total (cu m)
Aash	Nos	2	1							3
	Vol	0.071	0.11							0.181
Babbar	Nos	5	1							6
	Vol	0.25	0.074							0.324
Fardha	Nos	5	1	1						7
	Vol	0.25	0.074	0.25						0.574
Kaku	Nos	1	1							2
	Vol	0.11	0.074							0.184
Babu	Nos	5	1	2						8
	Vol	0.25	0.074	0.27						0.594
Sardaha	Nos	1	1	2						4
	Vol	0.11	0.074	0.27						0.454
Gand	Nos		1							1
	Vol		0.074							0.074
Danda	Nos	1	1	1				2		5
	Vol	0.11	0.074	0.25				0.074		0.508
Aash	Nos	1								1
	Vol	0.11								0.11
Bh	Nos	1								1
	Vol	0.11								0.11
Dab	Nos	2								2
	Vol	0.22								0.22
Dhad	Nos	1								1
	Vol	0.11								0.11
Jamb	Nos	1								1
	Vol	0.11								0.11
Lamb	Nos	1								1
	Vol	0.11								0.11
Mhad	Nos	2	1			1				4
	Vol	0.22	0.074			0.11				0.404
Ead	Nos	1								1
	Vol	0.11								0.11
Fard	Nos		1							1
	Vol		0.074							0.074
Bul	Nos			1					1	2
	Vol			0.25					0.074	0.324
Ppal	Nos						1	1		2
	Vol						0.11	0.074		0.184
Fardha	Nos	1								1
	Vol	0.11								0.11
Total	Nos	41	20	15	6	1	6	2	3	84
	Vol	4.546	2.418	3.225	6	1.07	6	2.074	0.222	16.555
Bepda	Score	10000	10000	10000	10000	10000	10000	10000	10000	10000
	Vol	100	20	40	10	10	20	10	20	130

Shyam Lal
Sd/-

For
Ba. H. M. T.

[Signature]
Range Forest Officer
Bhaji Forest Range Office
Bardi

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Enumeration list of green standing trees coming in the acquisition of DNR Suni Dam HEP in U-14 (Bharada) of Karyali (out Hira) Block of Bhaji Forest Range Suni Forest Division Shimla (H.P.) for the year 2018-19.

Sl. No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
488/1	U-14	1	Shisham	22-23	IV	Green Standing
		2	Jamun	32-33	III	Do
		3	Kakar	30-31	III	Do
		4	Pachka	20-21	IV	Do
		5	Sansh	21-22	IV	Do
		6	Pachka	18-19	V	Do

ABSTRACT

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IIIB (Vol-M ³)	IA (Vol-M ³)	
Shisham	No.		1					1
	Vol.		0.308					0.308
Jamun	No.			1				1
	Vol.			0.635				0.635
Kakar	No.			1				1
	Vol.			0.635				0.635
Pachka	No.	1	1					2
	Vol.	0.115	0.308					0.423
Sansh	No.		1					1
	Vol.		0.308					0.308
Total	No.	1	3	2	0	0	0	6
	Vol.	0.115	0.924	1.27	0	0	0	2.309 M ³

Shisham
in Karyali
2018

Range
Station

Ats
 Range Forest Officer
 Bhaji Forest Range Office
 Suni

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Enumeration: list of green standing trees covering in the acquisition of 100% forest cover (FC) in 1000 hectares of Karyali forest (Forest Block of Bhajji Forest Range, Forest Officer, District, Silviculture) for the year 2018-19.

Sl. No.	Name of Forest	No. No.	Species	Dia	Class	Status of Tree
262	B-14	1	Khair	16-17	V	Green Standing
		2	Khair	15-20	V	Gr
		3	Khair	12-13	V	Gr
		4	Khair	15-16	V	Gr
		5	Khair	11-12	V	Gr
		6	Khair	25-30	IV	Gr
		7	Peetha	12-13	V	Gr
		8	Khair	16-17	V	Gr
		9	Bajra	20-21	III	Gr
		10	Khair	19-20	IV	Gr
		11	Khair	27-28	III	Gr
		12	Shera	12-13	V	Gr
		13	Peetha	15-16	V	Gr
		14	Khair	14-15	V	Gr
		15	Khair	29-30	IV	Gr
		16	Khair	28-29	III	Gr
		17	Khair	25-26	V	Gr
		18	Shera	17-18	V	Gr
		19	Bajra	15-16	V	Gr
		20	Khair	11-12	V	Gr
		21	Khair	14-15	V	Gr
		22	Khair	12-13	V	Gr
		23	Shikar	40-41	SA	Gr
		24	Khair	30-31	V	Gr
		25	Khair	15-16	V	Gr
		26	Khair	11-12	V	Gr
		27	Khair	10-11	V	Gr
		28	Khair	30-31	V	Gr
		29	Shikar	25-26	IV	Gr
		30	Khair	13-14	V	Gr

ABSTRACT

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IB (Vol-M ³)	IA (Vol-M ³)	
Khair	No.	17	2					19
	Vol.	0.475	0.290					0.765
Peetha	No.	1						1
	Vol.	0.21						0.21
Bajra	No.	1		1				2
	Vol.	0.115		0.625				0.74
Shera	No.	1						1
	Vol.	0.115						0.115
Shikar	No.	1						1
	Vol.	0.115						0.115
Shikar	No.		1		1			2
	Vol.		0.500		1.281			1.781
Total	No.	22	4	1	1	0	0	28
	Vol.	1.010	0.918	0.625	1.281	0.000	0.000	3.734 M ³

Sharma
In Karyali
bed

For
B. K. Singh


Range Forest Officer
Bhaji, Forest Range Office
Surya

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Enumeration list of green standing trees existing in the reservation of DMN Suresh Chandra MP in Mandhara sub-division of Rayachoti Forest Block of Bhadrachalam Range, State Forest Division, Warangal (H.P.) for the year 2023-24.

Sl. No.	Name of Forest	Tr. No.	Species	DBH	Class	Status of Tree
1	14-14	1	Shan	0-13	V	Green Standing
2		Shan	00-11	V	Do	
3		Shan	05-18	V	Do	
4		Pachla	11-23	V	Do	
5		Shan	15-23	V	Do	
6		Pachla	17-19	V	Do	
7		Shan	23-24	IV	Do	
8		Shan	23-19	V	Do	
9		Shan	10-13	V	Do	
10		Shan	20-20	IV	Do	
11		Shan	01-15	IV	Do	
12		Shan	11-12	V	Do	
13		Pachla	11-12	IV	Do	
14		Pachla	11-12	V	Do	
15		Pachla	08-10	V	Do	
16		Pachla	01-12	V	Do	
17		Pachla	13-14	V	Do	
18		Pachla	14-13	V	Do	
19		Shan	21-17	IV	Do	
20		Shan	13-14	V	Do	
21		Shan	10-24	III	Do	
22		Shan	15-16	V	Do	
23		Shan	14-22	IV	Do	
24		Shan	17-14	V	Do	
25		Shan	10-27	V	Do	
26		Shan	14-23	V	Do	
27		Shan	15-21	V	Do	
28		Pachla	12-13	V	Do	

ABSTRACT

Species		Class					Total (Cum. M ³)
		V (Cum. M ³)	IV (Cum. M ³)	III (Cum. M ³)	IIA (Cum. M ³)	IB (Cum. M ³)	
Shan	No.	11	1				12
	Vol.	0.203	0.472				0.675
Shan	No.	1					1
	Vol.	0.115					0.115
Pachla	No.	8	1				9
	Vol.	0.90	0.208				1.108
Shan	No.	1					1
	Vol.	0.115					0.115
Shan	No.			1			1
	Vol.			0.625			0.625
Shan	No.		1				1
	Vol.		0.196				0.196
Total	No.	21	4	1	1	1	29
	Vol.	1.432	1.085	0.625	0.625	0.625	3.390 M ³

Chandra Reddy
Jr. Forest Officer
Badrachalam

Prasad
Assistant
Inspector

Ch. Prasad
Range Forest Officer
Bhadrachalam Forest Range Office
Surnam

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Enumeration list of green standing trees, covering to the acquisition of 50% based Class III to 0.14 blocks of Target forest block Block of Bhajji Forest Range Forest Division, District (D.P.) for the year 2018-19.

Block No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
217	G-14	1	Peetha	12-21	V	Green Standing
		2	Peetha	16-22	V	Da
		3	Shree	19-26	V	Da
		4	Peetha	14-21	V	Da
		5	Peetha	12-21	V	Da
		6	Shree	14-22	II	Da
		7	Peetha	16-25	V	Da
		8	Deval	17-13	V	Da
		9	Peetha	22-23	IV	Da
		10	Peetha	14-15	V	Da
		11	Peetha	17-18	V	Da
		12	Peetha	12-13	V	Da

ABSTRACT								
Species		Class						Total (cumulative)
		V (cumulative)	IV (cumulative)	III (cumulative)	IIA (cumulative)	III (cumulative)	IA (cumulative)	
Peetha	Da	8	1					9
	Vol	0.026	0.003					0.029
Shree	Da	1		1				2
	Vol	0.003		0.003				0.006
Deval	Da	1						1
	Vol	0.003						0.003
Total	Da	11	1	1	1	0	0	14
	Vol	0.035	0.006	0.006	0.006	0.000	0.000	0.053

Enumeration list of green standing trees, covering to the acquisition of 50% based Class III to 0.14 blocks of Target forest block Block of Bhajji Forest Range Forest Division, District (D.P.) for the year 2018-19.

Block No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
221	G-14	1	Peetha	12-16	V	Green Standing
		2	Shree	18-19	V	Da
		3	Shree	20-22	IV	Da
		4	Peetha	16-17	V	Da
		5	Deval	18-20	V	Da
		6	Deval	16-17	V	Da
		7	Shree	13-14	V	Da
		8	Shree	15-17	V	Da
		9	Peetha	16-17	V	Da

ABSTRACT								
Species		Class						Total (cumulative)
		V (cumulative)	IV (cumulative)	III (cumulative)	IIA (cumulative)	III (cumulative)	IA (cumulative)	
Peetha	Da	1						1
	Vol	0.003						0.003
Shree	Da	1						1
	Vol	0.003						0.003
Deval	Da	2						2
	Vol	0.006						0.006
Shree	Da	1						1
	Vol	0.003						0.003
Total	Da	6	1	0	0	0	0	7
	Vol	0.021	0.006	0.000	0.000	0.000	0.000	0.027

*Shree Singh
Forest Officer
Bhaji*

*Bas
Bhatnagar*

Shree Singh
RANGE FOREST OFFICER
Bhaji, Forest Range Office
Sund

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Enumeration list of green standing trees existing in the acquisition of SMV Surri Dam RFP in U-14 Block of Karpal best River Block of Bhaji Forest Range Surri Forest Division, Mizoram (H.P) for the year 2018-19.

Chart No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
138	U-14	1	Shorea	11-37	III	Green Standing
		2	Shorea	18-33	IV	Do
		3	Shorea	20-23	V	Do
		4	Shorea	12-27	V	Do
		5	Shorea	16-17	V	Do
		6	Shorea	18-19	V	Do

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	III (Vol-M ³)	IA (Vol-M ³)	
Shorea	No.	1	1	1				3
	Vol.	0.115	0.308	0.621				1.044
Doak	No.	1						1
	Vol.	0.115						0.115
Sesban	No.	1						1
	Vol.	0.115						0.115
Total	No.	4	1	1	1	0	0	6
	Vol.	0.449	0.308	0.621	0.000	0.000	0.000	1.478

Enumeration list of green standing trees existing in the acquisition of SMV Surri Dam RFP in U-14 Block of Karpal best River Block of Bhaji Forest Range Surri Forest Division, Mizoram (H.P) for the year 2018-19.

Chart No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
132	U-14	1	Sesban	24-25	IV	Green Standing

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	III (Vol-M ³)	IA (Vol-M ³)	
Sesban	No.		1					1
	Vol.		0.108					0.108
Total	No.		1					1
	Vol.		0.108					0.108

Signature of Range Forest Officer

Signature of Range Forest Officer

Signature of Range Forest Officer
Range Forest Officer
 Bhaji, Forest Range Office
 Surri

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in U-14 Bharada of Karyali beat Himri Block of Bhaji Forest Range Sunni Forest Division Shimla (H.P) for the year 2018-19.

Bharada No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
200	U-14	1	Semhal	24-25	IV	Green Standing
		2	Kakar	14-15	V	Do
		3	Pechla	19-20	V	Do

Species		Class					Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	III (Vol-M ³)	
Semhal	Nos		1				1
	Vol		0.308				0.308
Kakar	Nos	1					1
	Vol	0.115					0.115
Pechla	Nos	1					1
	Vol	0.117					0.117
Total	Nos	2	1	0	0	0	3
	Vol	0.230	0.308	0.000	0.000	0.000	0.538

Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in U-14 Bharada of Karyali beat Himri Block of Bhaji Forest Range Sunni Forest Division Shimla (H.P) for the year 2018-19.

Bharada No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
200	U-14	1	Semhal	28-29	IV	Green Standing
		2	Kango	16-17	V	Do

Species		Class					Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	III (Vol-M ³)	
Semhal	Nos		1				1
	Vol		0.308				0.308
Kango	Nos	1					1
	Vol	0.115					0.115
Total	Nos	1	1				2
	Vol	0.115	0.308				0.423

Shashi Bhatia
SAC Karyali
Beat

Shashi Bhatia

[Signature]
Range Forest Officer
Bhaji Forest Range Office
Sunni

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunri Dam HEP in U-19 Gram
Jasi of Karyali beat Himri Block of Bhajji Forest Range Sunri Forest Division Shimla (H.P) for the year
2018-19.

Karya No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
3/1	U-19	1	Podisu	23-24	IV	Green Standing
		2	Podisu	15-16	V	Do
		3	Palash	35-36	II	Do

ABSTRACT

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IIB (Vol-M ³)	IA (Vol-M ³)	
Podisu	Noc	1	1					2
	Vol	0.115	0.308					0.423
Palash	Noc			1				1
	Vol			0.633				0.633
Total	Noc	1	1	1	0	0	0	3
	Vol	0.115	0.308	0.633	0	0	0	1.056 M ³

*Shree Lal
Karyali
beat*

*DRS
Badranti*

[Signature]
Range Forest Officer
Bhajji Forest Range Office
Sunri

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in U-19 Grawn Jassi of Karyali beat Himri Block of Bhajji Forest Range Sunni Forest Division Shimla (H.P) for the year 2015-19.

Khasra No.	Name of Forest	Sr. No.	Species	Dis	Class	Status of Tree
3/1	U-19	1	Pechka	18-19	V	Green Standing
		2	Pechka	23-24	IV	Do
		3	Pechka	20-21	IV	Do
		4	Pechka	21-22	IV	Do
		5	Pechka	22-23	IV	Do
		6	Pechka	22-23	IV	Do
		7	Pechka	25-26	IV	Do
		8	Pechka	23-24	IV	Do
		9	Pechka	26-27	IV	Do
		10	Pechka	21-22	IV	Do
		11	Pechka	25-26	IV	Do
		12	Pechka	15-16	V	Do
		13	Pechka	15-16	V	Do
		14	Pechka	24-25	IV	Do
		15	Pechka	12-13	V	Do
		16	Pechka	15-16	V	Do
		17	Pechka	15-16	V	Do
		18	Pechka	16-17	V	Do
		19	Pechka	16-17	V	Do
		20	Pechka	20-21	IV	Do
		21	Pechka	25-26	IV	Do
		22	Pechka	22-23	IV	Do
		23	Kakar	24-25	IV	Do
		24	Pechka	12-13	V	Do
		25	Pechka	27-28	IV	Do
		26	Pechka	20-21	IV	Do
		27	Ambar	27-28	IV	Do
		28	Pechka	23-24	IV	Do
		29	Pechka	26-27	IV	Do
		30	Amli	20-21	IV	Do
		31	Pechka	24-25	IV	Do
		32	Pechka	25-26	IV	Do
		33	Pechka	24-25	IV	Do
		34	Pechka	23-24	IV	Do
		35	Pechka	15-16	V	Do
		36	Pechka	21-22	IV	Do
		37	Pechka	20-21	IV	Do
		38	Pechka	24-25	IV	Do
		39	Pechka	20-21	IV	Do
		40	Pechka	21-22	IV	Do
		41	Pechka	26-27	IV	Do
		42	Jamun	25-26	IV	Do
		43	Pechka	22-23	IV	Do
		44	Pechka	21-22	IV	Do
		45	Pechka	20-21	IV	Do
		46	Pechka	18-19	V	Do

Grawn Jassi
Karyali
beat

Block
Himri

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47	Pechka	18-19	V	Do
48	Pechka	12-13	V	Do
49	Pechka	15-16	V	Do
50	Pechka	23-24	IV	Do
51	Pakshi	21-22	IV	Do
52	Pechka	27-28	IV	Do
53	Pechka	26-27	IV	Do
54	Pechka	18-19	V	Do
55	Pechka	23-24	IV	Do
56	Pechka	26-27	IV	Do
57	Pechka	20-21	IV	Do
58	Pechka	18-19	V	Do
59	Baloja	26-27	IV	Do
60	Pipal	38-39	III	Do
61	Pechka	12-13	V	Do
62	Pechka	13-14	V	Do
63	Pechka	20-21	IV	Do
64	Pechka	15-16	V	Do
65	Pechka	28-29	IV	Do

Spasogod
sop. d. d. d.
s. d.

Fans
Bohimiri

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ABSTRACT

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	III (Vol-M ³)	IA (Vol-M ³)	
Pachla	Nos.	19	40					59
	Vol.	2.135	12.700					14.835
Kakar	Nos.		1					1
	Vol.		0.308					0.308
Pipi	Nos.			1				1
	Vol.			0.635				0.635
Amli	Nos.		1					1
	Vol.		0.308					0.308
Ambar	Nos.							0
	Vol.							0
Jamu	Nos.		1					1
	Vol.		0.308					0.308
Palach	Nos.		1					1
	Vol.		0.308					0.308
Bakaj	Nos.		1					1
	Vol.		0.308					0.308
Total	Nos.	19	45	1	0	0	0	65
	Vol.	2.185	13.86	0.635	0	0	0	16.680 M ³
Repling	Species	Bawal	Kambal	Dan	Khrak	Pachla	Figen	
	Nos.	10	60	10	28	20	4	
	Species	Arman	Saman	Seerah	Kakar	Bakaja	Kanga	
	Nos.	15	20	10	10	20	8	
	Species	Karyal	Trembal	Shishari	Total			
	Nos.	10	10	5	Nos.	333		

Chandras Ad. N. K. S. P. S. beat

*Field
Bottling*

Chandras Ad. N. K. S. P. S.
Range Forest Officer
Shaji, Forest Range Officer
Sunni

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1/4/19

Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in U-19 Grawn Jassi of Karyali beat Himri Block of Bhajji Forest Range Sunni Forest Division Shimla (H.P) for the year 2018-19.

Khasra No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
4/1	U-19	1	Pechka	20-21	IV	Green Standing
		2	Pechka	27-28	IV	Do
		3	Sarundna	27-28	IV	Do
		4	Pechka	26-27	IV	Do
		5	Pechka	18-19	V	Do
		6	Pechka	10-11	V	Do
		7	Pechka	20-21	IV	Do
		8	Pechka	18-19	V	Do
		9	Pechka	15-16	V	Do
		10	Pechka	10-11	V	Do
		11	Pechka	27-28	IV	Do
		12	Pechka	12-13	V	Do
		13	Pechka	11-12	V	Do
		14	Pechka	24-25	IV	Do
		15	Pechka	22-23	IV	Do
		16	Pechka	28-29	IV	Do
		17	Pechka	16-17	V	Do
		18	Pechka	14-15	V	Do
		19	Pechka	14-15	V	Do
		20	Pechka	12-13	V	Do
		21	Pechka	12-13	V	Do
		22	Pechka	15-16	V	Do
		23	Pechka	14-15	V	Do
		24	Pechka	14-15	V	Do
		25	Pechka	24-25	IV	Do
		26	Bad	28-29	IV	Do
		27	Bad	27-28	IV	Do
		28	Bad	28-29	IV	Do
		29	Bad	31-32	III	Do
		30	Pechka	20-21	IV	Do
		31	Pechka	18-19	V	Do
		32	Pechka	17-18	V	Do
		33	Pechka	15-16	V	Do
		34	Pechka	20-21	V	Do
		35	Kakar	24-25	IV	Do
		36	Sunan	15-16	V	Do
		37	Pechka	28-29	IV	Do
		38	Pechka	23-24	IV	Do
		39	Shidam	14-15	V	Do

Shivraj Bad
Jal Kalyani
Bad

Kan.
60 Himri

19/11/2015

ABSTRACT

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IIIB (Vol-M ³)	IA (Vol-M ³)	
Pechka	No.	19	12					11
	Vol.	2.185	1.696					5.281
Sambra	No.		1					1
	Vol.		0.308					0.308
Bad	No.		3	1				4
	Vol.		0.924	0.635				1.559
Kakar	No.		1					1
	Vol.		0.308					0.308
Suman	No.	1						1
	Vol.	0.115						0.115
Shishan	No.	1						1
	Vol.	0.115						0.115
Total	No.	21	17	1	0	0	0	29
	Vol.	2.415	5.236	0.635				8.286
Sapling	Species	Tim	Daru	Jambu	Kambal	Pechka	Klayak	
	No.	8	6	10	40	36	10	
	Species	Beloj	Shishan	Kakar	Suman	Trembal	Ambro	
	No.	10	20	12	20	10	0	
	Species	Suruh	Total					
	No.	10	No.	207				

*Shishan Ad
su pengal
bert*

*Kas
Budiwin*

[Signature]
Rangin Forest Officer
Uluh, Forest Range Office
Buntar

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Enumeration list of green standing trees coming in the acquisition of SIMV Sanni Dam HEP in U-19 Green Jass of Karyali beat Himri Block of Bhaji Forest Range Sanni Forest Division Shimla (H.P.) for the year 2018-19.

Block No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
5/1	U-19	1	Jamun	11-12	V	Green Standing
		2	Trembal	24-25	IV	Do
		3	Jamun	12-13	V	Do
		4	Trembal	12-13	V	Do
		5	Trembal	21-22	III	Do
		6	Pechka	31-32	III	Do
		7	Trembal	22-23	III	Do
		8	Trembal	15-16	V	Do
		9	Pechka	20-21	IV	Do
		10	Jamun	12-13	V	Do
		11	Jamun	11-12	V	Do
		12	Pechka	22-23	IV	Do
		13	Pechka	21-22	IV	Do
		14	Sarundha	45-46	III	Do
		15	Sarundha	20-21	IV	Do
		16	Bir	18-19	III	Do
		17	Sarundha	30-31	III	Do
		18	Pechka	15-16	V	Do
		19	Pechka	12-13	V	Do
		20	Shisham	11-12	V	Do
		21	Simal	22-23	IV	Do
		22	Shisham	15-16	V	Do

ABSTRACT

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IIIB (Vol-M ³)	IB (Vol-M ³)	
Jamun	No.	1						1
	Vol.	0.46						0.46
Trembal	No.	2	2				1	5
	Vol.	0.23	0.616				4.026	4.872
Pechka	No.	3	3	1				6
	Vol.	0.25	0.024	0.635				1.109
Shisham	No.	2						2
	Vol.	0.23						0.31
Bir	No.		1					1
	Vol.		0.308					0.308
Bil	No.			1				1
	Vol.			0.635				0.635
Sarundha	No.		1	1	1			3
	Vol.		0.308	0.635	1.24			
Total	No.	10	7	3	1	0	1	22
	Vol.	1.15	2.156	1.995	1.24		4.026	10.478 M ³
Sapling	Species	Sarundha	Bir	Pechka	Ambro	Sanni	Jamun	
	No.	10	10	10	10	10	10	
	Species	Kambal	Sanni	Turi	Balco	Droak	Faga	
	No.	110	40	2	30	10	10	
	Species	Shisham	Bir	Khur	Trembal	Wania	Karyal	
	No.	40	10	10	10	10	10	
Species	Khorak	Kango	Total					
No.	20	1	No.	791				

Shyam Singh
Range Forest Officer
Bhaji Forest Range Shimla

Ram
Bhaji

Shyam Singh
Range Forest Officer
Bhaji Forest Range Shimla

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Enumeration: List of green standing trees coming in the possession of DVM Sams Dam HEP in U-18 Green land of Kargali Sub-Block of Bhajl Forest Range Forest Division, Shimla (H.P.) for the year 2018-19.

Sl. No.	Name of Forest	Sl. No.	Species	Dia	Class	Status of Tree
421	U-18	1	Juniper	20-22	V	Green Standing
		2	Shyam	20-22	V	Do
		3	Peetha	15-17	V	Do
		4	Peetha	15-17	V	Do
		5	Peetha	14-15	V	Do
		6	Peetha	10-12	V	Do
		7	Peetha	10-12	IV	Do
		8	Peetha	20-22	IV	Do
		9	Peetha	20-22	V	Do

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IIB (Vol-M ³)	IB (Vol-M ³)	
Juniper	No.	1						1
	Vol.	0.113						0.113
Shyam	No.							0
	Vol.							0
Peetha	No.	8	2					10
	Vol.	0.400	0.416					0.816
Shyam	No.	1						1
	Vol.	0.113						0.113
Total	No.	10	2	0	0	0	0	12
	Vol.	0.636	0.416	0	0	0	0	1.052

Enumeration: List of green standing trees coming in the possession of DVM Sams Dam HEP in U-10 Green land of Kargali Sub-Block of Bhajl Forest Range Forest Division, Shimla (H.P.) for the year 2018-19.

Sl. No.	Name of Forest	Sl. No.	Species	Dia	Class	Status of Tree
4091/115	U-10	1	Ardo	12-13	V	Green Standing
		2	Search	28-29	IV	Do
		3	Peetha	17-18	V	Do
		4	Peetha	12-12	V	Do
		5	Peetha	11-14	V	Do
		6	Ardo	15-16	V	Do

Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IIB (Vol-M ³)	IB (Vol-M ³)	
Ardo	No.	1						1
	Vol.	0.113						0.113
Search	No.		1					1
	Vol.		0.308					0.308
Peetha	No.	2						2
	Vol.	0.345						0.345
Ardo	No.	1						1
	Vol.	0.113						0.113
Total	No.	5	1	0	0	0	0	6
	Vol.	0.879	0.308	0	0	0	0	1.187

*Shyam Dam
Kargali
H.P.*

*Shyam
B.P. Himri*

[Signature]
Range Forest Officer
Bhaji Forest Range Office
Samsi



Jassi of Karyali beat Himri Block of Bhajji Forest Range Sunni Forest Division Shimla (H.P) for the year 2018-19.

Khara No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
130	U-19	1	Pechka	20-21	IV	Green Standing
		2	Kakar	27-28	IV	Do
		3	Pechka	18-19	V	Do
		4	Pechka	18-19	V	Do
		5	Pechka	17-18	V	Do
		6	Baloja	28-29	IV	Do
		7	Seeroh	20-21	IV	Do
		8	Karyal	10-11	V	Do
		9	Bl	10-11	V	Do
		10	Baloja	25-26	IV	Do
		11	Baloja	20-21	IV	Do
		12	Baloja	28-29	IV	Do
		13	Trembal	25-26	IV	Do
		14	Seeroh	15-16	V	Do
		15	Bl	14-15	V	Do
		16	Khirak	13-14	V	Do
		17	Baloja	25-26	V	Do
		18	Seeroh	10-11	V	Do
		19	Tuni	14-15	V	Do
		20	Jamun	10-11	V	Do
		21	Jamun	11-12	V	Do
		22	Tuni	10-11	V	Do
		23	Phogra	16-17	V	Do
		24	Phogra	20-21	IV	Do
		25	Bl	20-21	IV	Do
		26	Seeroh	25-26	IV	Do
		27	Amber	10-11	V	Do
		28	Trembal	15-16	V	Do
		29	Baloja	25-26	IV	Do
		30	Trembal	20-21	IV	Do
		31	Trembal	18-19	V	Do
		32	Baloja	20-21	IV	Do
		33	Shisham	16-17	V	Do
		34	Shisham	18-19	V	Do
		35	Kakar	20-21	IV	Do
		36	Kakar	27-28	IV	Do
		37	Pechka	23-24	IV	Do
		38	Kakar	20-21	IV	Do
		39	Kakar	18-19	V	Do
		40	Shisham	10-11	V	Do
		41	Shisham	20-21	IV	Do
		42	Shisham	18-19	V	Do
		43	Pechka	17-18	V	Do
		44	Shisham	24-25	IV	Do
		45	Shisham	28-29	IV	Do
		46	Shisham	23-24	IV	Do
		47	Shisham	26-27	IV	Do

Shashy Pad
Jassi Karyali
beat

For
60 Nino 75

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ABSTRACT							
Species		Class					Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IIB (Vol-M ³)	
Pechka	Nos.	4	2				6
	Vol.	0.460	0.516				1.076
Kakar	Nos.	1	4				5
	Vol.	0.115	1.232				1.347
Bhalga	Nos.	1	6				7
	Vol.	0.115	1.848				1.963
Sarsab	Nos.	2	2				4
	Vol.	0.230	0.616				0.846
Karyal	Nos.	1					1
	Vol.	0.115					0.115
Bal	Nos.	2	1				3
	Vol.	0.230	0.308				0.538
Trembal	Nos.	2	2				4
	Vol.	0.230	0.616				0.846
Kharak	Nos.	1					1
	Vol.	0.115					0.115
Turi	Nos.	2					2
	Vol.	0.230					0.230
Jamun	Nos.	2					2
	Vol.	0.230					0.23
Phega	Nos.	1	1				2
	Vol.	0.115	0.308				0.423
Amber	Nos.	1					1
	Vol.	0.115					0.115
Shidam	Nos.	4	3				7
	Vol.	0.460	1.540				2
Total	Nos.	24	25	0	0	0	47
	Vol.	2.760	7.084	0.000	0.000	0.000	9.844 M ³
Sapling	Species	Bhalga	Kharak	Bhalga	Sarsab	Karyal	
	Nos.	20	50	55	4	10	
	Species	Kambal	Sarsab	Pechka	Jamun	Shidam	
	Nos.	90	54	12	6	100	
	Species	Trembal	Turi	Duru	Total		
	Nos.	6	7	4	Nos.	398	

Shivansh Aggarwal
Deputy Forest Officer
Secty

Prasanna
B0111071

Manoj
Range Forest Officer
Bhalga Forest Range Office
Secty

14/2
15/2

Enumeration: List of green standing trees existing in the acquisition of SJVN Jamri Dam HEP in U-19 Grams Jaula of Karyali Jagat Hill Block of Bhagi Forest Range Jamri Forest Division Shimla (H.P) for the year 2018-19.

Sl. No.	Name of Forest	Sp. No.	Species	Dia	Class	Status of Tree
134	U-19	1	Shisham	10-13	V	Green Standing
		2	Shisham	20-23	IV	Do
		3	Shisham	23-25	IV	Do
		4	Shisham	15-18	V	Do
		5	Babja	20-21	IV	Do
		6	Pachha	15-18	V	Do
		7	Pachha	17-18	V	Do
		8	Pachha	20-21	IV	Do
		9	Sesrah	12-13	V	Do
		10	Khasak	15-16	V	Do
		11	Shisham	30-32	III	Do
		12	Tromhal	22-23	IV	Do
		13	Kambhal	15-16	V	Do
		14	Sesrah	11-12	V	Do
		15	Khasak	16-17	V	Do
		16	Pachha	15-16	IV	Do
		17	Khasak	16-17	V	Do
		18	Shisham	15-16	V	Do
		19	Babja	14-15	V	Do

ABSTRACT

Species		Class					Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IB (Vol-M ³)	
Khasak	Num.	1					1
	Vol.	0.460					0.46
Shisham	Num.	7	2	1			10
	Vol.	0.258	0.616	0.635			1.509
Babja	Num.	1	1				2
	Vol.	0.113	0.308				0.421
Pachha	Num.	2	2				4
	Vol.	0.230	0.616				0.846
Sesrah	Num.	2					2
	Vol.	0.230					0.46
Tromhal	Num.		1				1
	Vol.		0.308				0.308
Kambhal	Num.	1					1
	Vol.	0.113					0.113
Total	Num.	17	6	1	0	0	24
	Vol.	1.380	1.848	0.635	0	0	3.863

*Shisham fed
in Karyali
hill.*

*Bani
Bh. Simri*

[Signature]
Range Forest Officer
Bhagi Forest Range Office
Shimla

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in U-19 Grawn Jassi of Karyali beat Himri Block of Bhajji Forest Range Sunni Forest Division Shimla (H.P.) for the year 2015-16.

Khara No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
9	U-19	1	Baloja	20-21	IV	Green Standing
		2	Baloja	20-21	IV	Do
		3	Baloja	17-18	V	Do
		4	Baloja	20-21	IV	Do
		5	Baloja	12-13	V	Do
		6	Baloja	22-23	IV	Do
		7	Baloja	20-21	IV	Do
		8	Baloja	15-16	V	Do
		9	Seesh	24-25	IV	Do
		10	Jamun	14-15	V	Do
		11	Baloja	12-13	V	Do
		12	Baloja	10-11	V	Do
		13	Baloja	10-11	V	Do
		14	Baloja	12-13	V	Do
		15	Baloja	11-12	V	Do
		16	Baloja	21-22	IV	Do
		17	Baloja	20-21	IV	Do
		18	Baloja	21-22	IV	Do
		19	Shisham	21-22	IV	Do
		20	Shisham	15-16	V	Do
		21	Baloja	12-13	V	Do
		22	Shisham	15-16	V	Do
		23	Baloja	14-15	V	Do
		24	Shisham	15-16	V	Do
		25	Baloja	23-24	IV	Do
		26	Baloja	17-18	V	Do
		27	Shisham	20-21	IV	Do
		28	Shisham	21-22	IV	Do
		29	Shisham	14-15	V	Do
		30	Shisham	20-21	IV	Do
		31	Baloja	20-21	IV	Do
		32	Shisham	15-16	V	Do
		33	Shisham	20-21	IV	Do
		34	Simbal	23-24	IV	Do
		35	Shisham	12-13	V	Do
		36	Shisham	22-23	IV	Do
		37	Shisham	27-28	IV	Do
		38	Baloja	23-24	IV	Do
		39	Shisham	16-17	V	Do
		40	Shisham	15-16	V	Do
		41	Shisham	12-13	V	Do
		42	Shisham	11-12	V	Do
		43	Baloja	18-19	V	Do
		44	Shisham	17-18	V	Do
		45	Shisham	10-11	V	Do
		46	Shisham	12-13	V	Do

G. S. Singh
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47	Sarundna	35-36	III	Do
48	Baloja	15-16	V	Do
49	Baloja	14-15	V	Do
50	Baloja	15-16	V	Do
51	Shisham	16-17	V	Do
52	Shisham	17-18	V	Do
53	Dreak	18-19	V	Do
54	Dreak	20-21	IV	Do
55	Baloja	18-19	V	Do
56	Phogra	15-16	V	Do
57	Baloja	20-21	IV	Do
58	Toni	16-17	V	Do
59	Toni	30-31	III	Do
60	Dreak	15-16	V	Do
61	Seersh	20-21	IV	Do
62	Sarundna	50-51	III	Do
63	Trembal	25-26	IV	Do
64	Seersh	23-24	IV	Do
65	III	15-16	V	Do
66	III	15-16	V	Do
67	Seersh	15-16	V	Do
68	Shisham	16-17	V	Do
69	III	30-31	III	Do

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ABSTRACT								
Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	III (Vol-M ³)	IA (Vol-M ³)	
Bilga	Nos.	10	12					22
	Vol.	1.840	3.096					5.536
Sirohi	Nos.	1	3					4
	Vol.	0.115	0.924					1.039
Jirna	Nos.	1						1
	Vol.	0.115						0.115
Shisham	Nos.	16	7					23
	Vol.	1.840	2.156					3.996
Sirohi	Nos.		1					1
	Vol.		0.308					0.308
Sarandou	Nos.			1		1		2
	Vol.			0.635		1.985		2.62
Deok	Nos.	2	1					3
	Vol.	0.23	0.308					0.538
Pargu	Nos.	1						1
	Vol.	0.115						0.115
Tori	Nos.	1		1				2
	Vol.	0.115		0.635				0.75
Trowai	Nos.		1					1
	Vol.		0.308					0.308
bi	Nos.	2		1				3
	Vol.	0.23		0.635				0.865
Total	Nos.	40	25	3	0	1	0	69
	Vol.	4.600	7.790	1.985	0.000	1.985	0.000	16.190 M ³

Shankar Singh
Sub-Range Officer
Bhat

Ran
Bohari

[Signature]
Range Forest Officer
Bhaji, Forest Range Office
Sunni

12/1/15

Enumeration list of green standing trees coming in the acquisition of M/VN Sauri Dam RFP in U-21 Kharis Pichas of Kanyak Sauri Forest Block of Bhujji Forest Range-Sauri Forest Division, Shimla (H.P.) for the year 2018-19.

Sl. No.	Name of Forest	Tr. No.	Species	Dia	Class	Status of Tree
336/289/1	U-21	1	Balsa	60-61	IA	Green Standing
		2	Balsa	60-61	IC	Do
		3	Balsa	65-66	IIA	Do
		4	Balsa	66-67	IB	Do
		5	Balsa	68-69	IA	Do
		6	Balsa	69-70	IB	Do
		7	Balsa	70-71	IC	Do
		8	Balsa	80-81	IC	Do
		9	Sambal	60-61	III	Do
		10	Sambal	45-46	IIA	Do
		11	Bhoja	22-23	IV	Do
		12	Bud	30-31	III	Do
		13	Bud	25-26	IV	Do
		14	Bud	14-25	IV	Do
		15	Bud	12-13	IV	Do
		16	Bud	15-16	V	Do
		17	Bud	15-16	V	Do
		18	Pachka	15-16	V	Do
		19	Pachka	18-19	V	Do
		20	Pachka	20-21	IV	Do
		21	Pachka	28-29	IV	Do
		22	Pachka	27-28	IV	Do
		23	Pachka	30-31	IV	Do
		24	Pachka	30-31	III	Do
		25	Pachka	38-39	IV	Do
		26	Pachka	34-35	IV	Do
		27	Pachka	30-31	IV	Do
		28	Bud	30-31	IV	Do
		29	Pachka	28-29	IV	Do
		30	Chil	15-16	V	Do
		31	Chil	20-21	V	Do
		32	Bud	20-21	IV	Do
		33	Pachka	20-21	IV	Do
		34	Pachka	20-21	IV	Do
		35	Chil	18-19	V	Do
		36	Pachka	21-22	IV	Do
		37	Pachka	20-21	IV	Do
		38	Pachka	15-16	V	Do
		39	Bud	16-17	V	Do
		40	Bud	23-25	IV	Do
		41	Pachka	16-17	V	Do
		42	Pachka	18-19	V	Do
		43	Pachka	15-16	V	Do
		44	Chil	12-13	V	Do
		45	Pachka	12-13	V	Do
		46	Chil	11-14	V	Do

Checked by
H. K. Kishore
Asst.

For
En. Hiroshi


Range Forest Officer
Uph. Forest Range Office
Sauri

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47	Chil	18-17	V	Do
48	Chil	15-16	V	Do
49	Chil	15-16	V	Do
50	Chil	27-28	IV	Do
51	Bud	15-18	V	Do
52	Bud	16-17	V	Do
53	Chil	26-27	IV	Do
54	Chil	25-26	IV	Do
55	Chil	18-19	V	Do
56	Chil	15-16	V	Do
57	Chil	20-21	IV	Do
58	Chil	20-21	V	Do
59	Pochka	20-21	IV	Do
60	Chil	24-25	IV	Do
61	Chil	17-18	V	Do
62	Chil	15-16	V	Do
63	Chil	12-13	V	Do
64	Chil	14-15	V	Do
65	Chil	15-16	V	Do
66	Chil	25-26	IV	Do
67	Chil	20-21	IV	Do
68	Chil	24-25	IV	Do
69	Chil	30-31	II	Do
70	Chil	16-17	V	Do
71	Chil	20-21	IV	Do
72	Pochka	16-17	V	Do
73	Chil	15-16	V	Do
74	Chil	12-13	V	Do
75	Chil	15-16	V	Do
76	Chil	18-19	V	Do
77	Chil	17-18	V	Do
78	Chil	20-21	IV	Do
79	Chil	20-21	IV	Do
80	Pochka	16-17	V	Do
81	Chil	15-16	V	Do
82	Chil	18-19	V	Do
83	Chil	25-26	IV	Do
84	Chil	28-29	IV	Do
85	Chil	25-26	IV	Do
86	Chil	30-31	II	Do
87	Pochka	16-17	V	Do
88	Pochka	18-19	V	Do
89	Pochka	20-21	IV	Do
90	Pochka	15-16	V	Do
91	Bud	28-29	IV	Do
92	Pochka	16-17	V	Do
93	Chil	18-19	V	Do
94	Pochka	24-25	IV	Do
95	Bud	17-18	V	Do
96	Bud	15-16	V	Do
97	Pochka	27-28	IV	Do
98	Pochka	21-22	IV	Do

Chandrashekhar
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From
 Dr. Minardi


 Range Forest Officer
 Bhaji Forest Range Office
 Sundi

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99	Pechka	20-21	IV	Do
100	Pechka	18-19	V	Do
101	Pechka	36-37	III	Do
102	Pechka	24-25	IV	Do
103	Pechka	20-21	IV	Do
104	Pechka	16-17	V	Do
105	Pechka	20-21	IV	Do
106	Isol	17-18	V	Do
107	Pechka	18-19	V	Do
108	Pechka	16-17	V	Do
109	Pechka	15-16	V	Do
110	Pechka	24-25	IV	Do
111	Pechka	26-27	IV	Do
112	Pechka	17-18	V	Do
113	Pechka	18-19	V	Do
114	Pechka	21-22	IV	Do
115	Pechka	20-21	IV	Do
116	Pechka	16-17	V	Do
117	Pechka	18-19	V	Do
118	Pechka	18-19	V	Do
119	Isol	25-26	IV	Do
120	Isol	20-21	IV	Do
121	Pechka	17-18	V	Do
122	Pechka	16-17	V	Do
123	Pechka	15-16	V	Do
124	Pechka	15-16	V	Do
125	Pechka	20-21	IV	Do
126	Pechka	17-18	V	Do
127	Pechka	16-17	V	Do
128	Bilva	45-46	BA	Do

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Species		Class								Total (Vol/AC)	
		V (Vol/AC)	IV (Vol/AC)	III (Vol/AC)	IIA (Vol/AC)	III (Vol/AC)	IA (Vol/AC)	II (Vol/AC)	IC (Vol/AC)		IB (Vol/AC)
Balsa	Res				2		2		2	2	9
	Vol				2,492		5,536		11,760	11,760	34,777
Santal	Res				1	1					2
	Vol				1,241	1,241					2,482
Balsa	Res		1								1
	Vol		1,200								1,200
Dal	Res	1	1								2
	Vol	1,200	2,400	6,000							9,600
Pavão	Res	70	70	2							142
	Vol	1,313	4,818	1,270							7,401
Bor	Res		1								1
	Vol		1,200								1,200
Cil	Res	24	13	1							41
	Vol	1,702	4,702	2,133							8,537
Total	Res	61	90	6	3	1	3		3	3	139
	Vol	4,817	15,418	6,338	3,723	1,962	5,536	9,600	13,962	11,890	65,867
Esping	Species	Balsa	Cil	Kil	Dist	Kil	Kil	Kil	Dist	Par	
	Res	40	20	10	10	10	10	25	10	10	
	Species	Kil	Kil	Dist	Dist	Dist	Dist	Total			
Res	17	16	5	30	7	10	100	100			

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Range Forest Officer
Shaj. Forest Range Office
Sumi

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Enumeration list of green standing trees coming in the acquisition of SVM Sunni Dam HEP in U-21 Khaira Pdainz of Karyali beat Himri Block of Bhaji Forest Range Sunni Forest Division Shimla (H.P) for the year 2011-19.

Khasra No.	Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
247	U-21	1	Khirak	25-26	IV	Green Standing
		2	Karyal	26-27	IV	Do
		3	Biwal	17-18	V	Do
		4	Kakar	40-41	IIA	Do
		5	Kongu	18-19	IV	Do
		6	Kambal	16-17	V	Do
		7	Sunan	10-11	V	Do
		8	Trembul	27-28	IV	Do
		9	Sunan	22-23	IV	Do
		10	Baloja	15-16	V	Do
		11	Diwal	21-22	IV	Do
		12	Karyal	12-13	V	Do
		13	Karyal	13-14	V	Do
		14	Bair	26-27	IV	Do
		15	Baloja	15-16	V	Do
		16	Baloja	14-15	V	Do
		17	Amber	15-16	V	Do
		18	Diwal	14-15	V	Do
		19	Diwal	16-17	V	Do
		20	Pechka	15-16	V	Do
		21	Baloja	27-28	IV	Do
		22	Baloja	15-16	V	Do
		23	Baloja	14-15	V	Do
		24	Baloja	25-26	IV	Do
		25	Baloja	24-25	IV	Do
		26	Baloja	15-16	V	Do
		27	Baloja	14-15	V	Do
		28	Khair	11-12	V	Do
		29	Khair	14-15	V	Do
		30	Amber	25-26	IV	Do
		31	pechka	16-17	V	Do
		32	Khair	22-23	IV	Do
		33	Karyal	21-22	IV	Do
		34	kakar	22-23	IV	Do
		35	Tuni	25-26	IV	Do
		36	Bi	58-59	III	Do
		37	Sunan	12-13	V	Do
		38	Khair	17-18	V	Do
		39	Khair	18-19	V	Do
		40	Bi	34-35	III	Do
		41	Bi	14-15	V	Do
		42	Bi	15-16	V	Do
		43	Bi	22-23	IV	Do
		44	Bi	25-26	IV	Do
		45	Bi	34-35	III	Do

Shimla Forest
of the Karyali
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46	BH	36-37	III	Do
47	BH	18-19	V	Do
48	BH	31-32	III	Do
49	BH	34-35	III	Do
50	Bud	35-36	III	Do
51	BH	22-23	IV	Do
52	Trembal	19-20	V	Do
53	Trembal	10-11	V	Do
54	Pechka	22-23	IV	Do
55	Pechka	17-18	V	Do
56	BH	60-61	IA	Do
57	Bawal	18-19	V	Do
58	Snersh	20-21	IV	Do
59	BH	42-43	I	Do
60	Pechka	10-11	V	Do
61	Pechka	15-16	V	Do
62	Pechka	15-16	V	Do
63	Pechka	17-18	V	Do
64	Chirak	24-25	IV	Do
65	Trembal	22-23	IV	Do
66	Snersh	20-21	IV	Do
67	Bud	20-21	IV	Do
68	Snersh	21-22	IV	Do
69	Kalar	25-26	IV	Do
70	Pechka	24-25	IV	Do
71	Pechka	23-24	IV	Do
72	Pechka	22-23	IV	Do
73	Pechka	22-23	IV	Do
74	Palosh	33-34	III	Do
75	Pechka	27-28	IV	Do
76	Pechka	27-28	IV	Do
77	Pechka	28-29	IV	Do
78	Pechka	27-28	IV	Do
79	Pechka	28-29	IV	Do
80	Pechka	16-17	IV	Do
81	Pechka	25-26	IV	Do
82	Pechka	15-16	V	Do
83	Pechka	14-15	V	Do
84	Pechka	18-19	V	Do
85	Pechka	28-29	IV	Do
86	Pechka	20-21	IV	Do
87	Pechka	23-24	IV	Do
88	Pechka	18-19	V	Do
89	Baloja	18-19	V	Do
90	Pechka	24-25	IV	Do
91	Pechka	27-28	IV	Do

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From
 Dr. Himanshu

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ABSTRACT								
Species		Class						Total (Vol-M ³)
		V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	IIA (Vol-M ³)	IIIB (Vol-M ³)	IA (Vol-M ³)	
Khiosk	Nos.		2					2
	Vol.		0.016					0.016
Karyal	Nos.	2	2					4
	Vol.	0.250	0.010					0.260
Diwaf	Nos.	4	1					5
	Vol.	0.400	0.308					0.708
Kempu	Nos.	1						1
	Vol.	0.115						0.115
Kambal	Nos.	1						1
	Vol.	0.115						0.115
Suman	Nos.	2	1					3
	Vol.	0.230	0.308					0.538
Terdaf	Nos.	2	2					4
	Vol.	0.230	0.616					0.846
Balaja	Nos.	8	3					11
	Vol.	0.920	0.924					1.844
Bair	Nos.		1					1
	Vol.		0.308					0.308
Arihar	Nos.	1	1					2
	Vol.	0.115	0.308					0.423
Pachia	Nos.	12	16					28
	Vol.	1.380	4.928					6.308
Bil	Nos.	3	3	5	1	1	1	14
	Vol.	0.345	0.924	3.175	1.201	1.983	2.918	10.546
Bad	Nos.		1	1				2
	Vol.		0.308	0.635				0.943
Searsh	Nos.		2					2
	Vol.		0.924					0.924
Kakar	Nos.		2		1			3
	Vol.		0.616		1.201			1.817
Khar	Nos.	4	1					5
	Vol.	0.109	0.118					0.227
Tudi	Nos.		1					1
	Vol.		0.308					0.308
Palas	Nos.			1				1
	Vol.			0.635				0.635
Total	Nos.	40	40	7	2	1	1	91
	Vol.	4.242	12.170	4.445	2.402	1.983	2.918	28.202 M ³
Sapling	Species	Balaja	Khair	Khiosk	Diwaf	Kambal	Karyal	
	Nos.	50	20	15	52	60	10	
	Species	Kakar	Bair	Pachia	Kempu	Suman	Bad	
	Nos.	25	10	34	18	18	5	
	Species	Searsh	Jaman	Ambia	Total			
Nos.	49	8	10	Nos.	404			

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 Range Forest Officer
 High Forest Range Office
 Sumi

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Enumeration list of green trees coming in the acquisition of SJVN Samsi Dam HEP dumping site in Lamsa in Govt. land of Kailhar beat, Block Khatwal range Samsi 2018-19
U-24 dumber. Mujina.

Sr. No	Khasra No.	Species	Dia	Class	Status of Tree
1	10	Khidak	22-23	IV	Green Standing
2		Karyal	21-22	IV	Do
3		Biwal	18-19	V	Do
4		Biwal	15-16	V	Do
5		Biwal	14-15	V	Do
6		Shishum	11-12	V	Do
7		Trembal	14-15	V	Do
8		Biwal	11-12	V	Do
9		Palash	18-19	V	Do
10		Biwal	22-23	IV	Do
11		Kambal	15-16	V	Do
12		Pochka	15-16	V	Do
13		Bad	20-21	IV	Do
14		Bad	28-29	IV	Do
15		Shishum	18-19	V	Do
16		Shishum	21-22	IV	Do
17		Pochka	21-22	IV	Do
18		Shishum	10-11	V	Do
19		Shishum	10-11	V	Do
20		Pochka	20-21	IV	Do
21		Pochka	10-11	V	Do
22		Pochka	10-11	V	Do

R. D. Singh
2/4/2019

S. D. Singh
D. O. Khatwal

455/762

ABSTRACT						
Sr. No	Species		Class			Total (Vol-M ³)
			V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	
1	Shisham	Nos.	4	1	-	5
		Vol.	0.460	0.308	-	0.768
2	Bawal	Nos.	4	1	-	5
		Vol.	0.460	0.308	-	0.768
3	Pachka	Nos.	3	2	-	5
		Vol.	0.345	0.616	-	0.961
4	Bad	Nos.	-	2	-	2
		Vol.	-	0.616	-	0.616
5	Karyol	Nos.	-	1	-	1
		Vol.	-	0.308	-	0.308
6	Khudak	Nos.	-	1	-	1
		Vol.	-	0.308	-	0.308
7	Kambhal	Nos.	1	-	-	1
		Vol.	0.115	-	-	0.115
8	Palash	Nos.	1	-	-	1
		Vol.	0.115	-	-	0.115
9	Tromhal	Nos.	1	-	-	1
		Vol.	0.115	-	-	0.115
Total		Nos.	14	8	-	22
		Vol.	1.61	2.464	-	4.074 M ³

SAPLING:						
Species	Phegra	Kambhal	Karyol	Bawal	Loromia	Pachka
Nos	1	11	3	4	1	22
Species	Baleja	Tromhal	Khudak	Sombhal	Palash	Total
Nos	4	2	6	1	3	56

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B. Bhatnagar

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Range Forest Officer
Bhaji, Forest Range Office
Bunni

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U-24 Kungu - Mysore

Enumeration list of green trees coming in the acquisition of SJVN Samsi Dam HEP dumping site in Lamsu in Govt. land of Kadkur beat, Block Khatrol range Samsi 2018-19

Sr. No	Khasra No.	Species	Dia	Class	Status of Tree
1	36	Palash	25-26	IV	Green Standing
2		Sambal	28-29	IV	Do
3		Pechka	11-12	V	Do
4		Pechka	11-12	V	Do
5		Kambal	12-13	V	Do
6		Kambal	21-22	IV	Do
7		Pechka	15-16	V	Do
8		Baioja	20-21	IV	Do
9		Pechka	20-21	IV	Do
10		Kambal	10-11	V	Do
11		Kambal	12-14	V	Do
12		Sambal	10-11	V	Do
13		Sunona	37-38	III	Do
14		Sunona	20-21	IV	Do
15		Pechka	10-11	V	Do
16		Jamun	10-11	V	Do
17		Jamun	10-11	V	Do
18		Sambal	30-31	III	Do
19		Baioja	28-29	IV	Do
20		Khidak	20-21	IV	Do
21		Kambal	10-11	V	Do
22		Pechka	10-11	V	Do
23		Sambal	18-19	V	Do
24		Khidak	12-13	V	Do
25		Pechka	14-15	V	Do
26		Pechka	12-13	V	Do
27		Khidak	28-29	IV	Do
28		Jamun	15-16	V	Do
29		Sambal	28-29	IV	Do
30		Karyal	10-11	V	Do
31		Kambal	10-11	V	Do
32		Kambal	10-11	V	Do
33		Kambal	10-11	V	Do
34		Kambal	10-11	V	Do
35		Kambal	10-11	V	Do

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ABSTRACT						
Sr. No	Species		Class			Total (Vol-M ³)
			V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	
1	Pechla	Num.	7	1	-	8
		Vol.	0.825	0.308	-	1.133
2	Palash	Num.	-	1	-	1
		Vol.	-	0.308	-	0.308
3	Sambal	Num.	2	2	1	5
		Vol.	0.270	0.616	0.635	1.481
5	Kambal	Num.	8	1	-	9
		Vol.	0.920	0.308	-	1.228
6	Khirkh	Num.	1	3	-	4
		Vol.	0.115	0.924	-	1.039
7	Karyal	Num.	1	-	-	1
		Vol.	0.115	-	-	0.115
8	Balojo	Num.	-	2	-	2
		Vol.	-	0.616	-	0.616
9	Juman	Num.	3	-	-	3
		Vol.	0.345	-	-	0.345
10	Suman	Num.	-	1	1	2
		Vol.	-	0.308	0.635	0.943
Total		Num.	22	11	2	35
		Vol.	2.530	3.388	1.27	7.188 M ³

SAMPLING					
Species	Bans	Kambal	Juman	Khirkh	Pechla
Num	96	17	2	1	19
Species	Bawal	Khirkh	Karyal	Total	
Num	4	11	1	151	

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Range Forest Officer
 B. K. Kulkarni
 Injil Forest Range Office
 Sunni

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Enumeration list of green trees coming in the acquisition of SJVN Sunni Dam HEP dumping site in Lanna in Govt. land of Kadhar beat, Block Khatmol range Sunni 2018-19
U-24 Sunni - Mugna.

Sr. No	Khasra No.	Species	Dia	Class	Status of Tree
1	37	Sambal	26-27	IV	Green standing
2		Kambal	10-11	V	Do
3		Kambal	10-11	V	Do
4		Kambal	10-11	V	Do
5		Baleja	26-27	IV	Do
6		Kambal	11-12	V	Do
7		Kambal	11-12	V	Do
8		Tamch	24-25	IV	Do
9		Bawal	12-13	V	Do
10		Kimr	20-21	IV	Do
11		Bawal	20-21	IV	Do
12		Pechka	11-12	V	Do
13		Pechka	12-13	V	Do
14		Pechka	10-11	V	Do
15		Pechka	12-13	V	Do

ABSTRACT

Sr. No	Species		Class			Total (Vol-M ³)
			V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	
1	Sambal	Non.	-	1	-	1
		Vol.	-	0.308	-	0.308
2	Kambal	Non.	5	-	-	5
		Vol.	0.573	-	-	0.573
3	Pechka	Non.	4	-	-	4
		Vol.	0.46	-	-	0.46
4	Baleja	Non.	-	1	-	1
		Vol.	-	0.308	-	0.308
5	Bawal	Non.	1	1	-	2
		Vol.	0.115	0.308	-	0.423
6	Tam	Non.	-	1	-	1
		Vol.	-	0.308	-	0.308
7	Kimr	Non.	-	1	-	1
		Vol.	-	0.308	-	0.308
Total		Non.	10	5	-	15
		Vol.	1.15	1.54	-	2.690 M ³

SAMPLING

Species	Shishum	Kakkar	Pechka
Non.	1	1	3
Species	Bawal	Khirak	Total
Non.	2	2	9

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B. Okati

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Range Forest Officer
Bhaji, Forest Range Office
Sunni

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Enumeration list of green trees coming in the acquisition of SJVN Sumri Dam HEP dumping site in Lanna in Govt. land of Kadhar beat, Block Khatuol range Sumri 2018-19

U. 24 Lanna - M. B. 219

Sr. No	Khasra No.	Species	Dia	Class	Status of Tree
1	654/354/1	Kambal	12-13	V	Green standing
2		Kambal	12-13	V	Do
3		Pechka	15-16	V	Do
4		Khidak	28-29	IV	Do
5		Pechka	12-13	V	Do
6		Shidam	28-29	IV	Do
7		Pechka	10-11	V	Do
8		Kambal	15-16	V	Do
9		Sembal	21-22	IV	Do
10		Pechka	10-11	V	Do
11		Pechka	12-13	V	Do
12		Pechka	10-11	V	Do
13		Pechka	11-12	V	Do
14		Janun	25-26	IV	Do
15		Kambal	10-11	V	Do
16		Pabuk	10-11	V	Do
17		Kambal	10-11	V	Do
18		Pechka	12-13	V	Do
19		Lusini	12-13	V	Do
20		Lusini	10-11	V	Do
21		Kambal	15-16	V	Do
22		Pechka	10-11	V	Do
23		Khair	30-31	III	Do
24		Khair	15-16	V	Do
25		Khair	18-19	V	Do
26		Khair	10-11	V	Do
27		Khair	15-16	V	Do
28		Janun	28-29	IV	Do
29		Janun	18-19	V	Do
30		Sembal	10-11	V	Do
31		Khair	30-31	III	Do
32		Baloja	14-15	V	Do
33		Pechka	14-15	V	Do
34		Pechka	12-13	V	Do
35		Pechka	10-11	V	Do
36		Sembal	20-21	IV	Do
37		Kambal	10-11	V	Do
38		Khair	12-13	V	Do
39		Pechka	12-13	V	Do
40		Khair	15-16	V	Do
41		Baloja	18-19	V	Do
42		Khair	10-11	V	Do
43		Baloja	17-18	V	Do
44		Pechka	18-19	V	Do
45		Pechka	15-16	V	Do
46		Khair	28-29	IV	Do
47		Baloja	10-11	V	Do

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Sr. No	Khasra No.	Sapling	Dia	Class	Status of Tree
48		Shisham	27-28	IV	Do
49		Sambal	25-26	IV	Do
50		Jamun	10-11	V	Do
51		Jamun	10-11	V	Do
52		Sambal	25-26	IV	Do
53		Shisham	27-28	IV	Do
54		Balga	15-16	V	Do
55		Pechla	15-16	V	Do
56		Sambal	12-13	V	Do
57		Shisham	20-21	IV	Do
58		Jamun	27-28	IV	Do
59		Jamun	10-11	V	Do
60		Khair	25-26	IV	Do
61		Pechla	10-11	V	Do

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Bokhalil

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Range Forest Officer
Bhaji, Forest Range Office
Sarni

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ABSTRACT

Sr. No	Species		Class			Total (Vol-M ³)
			V (Vol-M ³)	IV (Vol-M ³)	III (Vol-M ³)	
1	Kambal	Nos.	9	-	-	9
		Vol.	1.035	-	-	1.00
2	Pechka	Nos.	15	-	-	15
		Vol.	1.725	-	-	1.725
3	Khadak	Nos.	-	1	-	1
		Vol.	-	0.308	-	0.308
4	Sembal	Nos.	2	4	-	6
		Vol.	0.23	1.232	-	1.462
	Palash	Nos.	1	-	-	1
		Vol.	0.115	-	-	0.115
5	Jamun	Nos.	4	3	-	7
		Vol.	0.46	0.924	-	1.384
7	Khar	Nos.	7	2	2	11
		Vol.	0.805	0.616	1.27	2.691
8	Baloja	Nos.	5	-	-	5
		Vol.	0.575	-	-	0.575
8	Shishum	Nos.	-	4	-	4
		Vol.	-	1.232	-	1.232
9	Lamnia	Nos.	2	-	-	2
		Vol.	0.23	-	-	0.230
Total		Nos.	45	14	2	61
		Vol.	5.175	4.312	1.27	10.757 M ³

SAPLING

Species	Kambal	Palash	Pechka	Total
Nos	19	7	19	
Species	Khar	Baloja	Trembal	Total
Nos	3	1	1	50

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B. K. Kulkarni

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Range Forest Officer
Bhaji, Forest Range Office
Banni

**Full title of project: LUHRI HYDRO ELECTRIC PROJECT, SJVN LIMITED Hydel
Sunn i Dam Project FP/HP/HYD/31019/2017.**

CHECK LIST NO. 16

**SITE INSPECTION REPORT NOT BELOW THE RANK OF DCF
(For the forestland to be diverted under FCA)**

A proposal has been received by this office from CGM Head of Project, SJVN, LHEP, Bithal for the diversion under FCA, 1980 of 159.3484 ha. of forest land for non forestry purpose. The Project envisages the use of forest land for the construction of LUHRI HYDRO ELECTRIC PROJECT, SJVN LIMITED, Tehsil Suni District Shimla H.P The site inspected of the land involved in the proposal has been done by me on dated 16.12.2019.

2. On Inspection of the site it is found that the land required by the user agency is forest area measuring 159.3484.
3. The requirement of forestland as proposed by the user agency in col. 2 of Part I is unavoidable and barest minimum required for the project.
4. No rare/endangered/unique species of flora fauna in the area.
5. No protected archaeological /heritage site /defense establishment or any other important monument is located in the area.
6. (a) *The user agency has not violated the provision of forest (Conversion) 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,180 Indian Forest Act,1927/ any other forest Act, A detailed report as per para 1.9 of Chapter-I Part -C of Hand Book of Forest (Conservation) Act,.

The proposal is recommended for approval.

Place: Shimla.

Dated:

Divisional Forest Officer,
Shimla Forest Division,
Tel. No. 0177-2623412.

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CHECK LIST SERIAL NUMBER: 18

SCHEME FOR COMPENSATORY AFFORESTATION

Detail scheme for Compensatory Afforestation to be carried out in lieu of 391.0695 Ha. of forest area to be diverted for **Sunni Dam HEP** in Shimla and Mandi Districts.

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

District Kangra Village Dhar Dhanger, Chullan and Majheer

Tehsil: Dehra, Dadasiba and Khundian respectively

Name of Forest Division **Dehra Range** Nagrota Surjan, Dadasiba and Khundian respectively

Block/Compartment/Survey No. U12D Dhanger, C2, DP Chullan C11 and U7D Majheer C-35

Area to be afforested 10+10+5 = 25 ha

2. Description of Area

I) whether the site selected for Compensatory Afforestation is a land bank or not : No

II) If the CA site is other than the land bank, reasons be given:- Sufficient land for landbank not available

III) In case of non forest area identified for CA, then what is the

Distance of CA site from the adjoining forest boundary: N/A

IV) Soil type: Sandy loam mixed with rocky strata

V) Topography: (a) Hilly/Undulating/Plain (b) Slope: Hilly/stoppy/Medium: (b)

VI) Whether the area is bearing any root stock of vegetation: ---

3. Plantation Model:-

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


FOREST RANGE OFFICER
NAGROTA SURJAN
DISTT. KANGRA (H.P.)


Divisional Forest Officer
Dehra Forest Division
Dehra-177101 (H.P.)


Forest Range Officer
Nagrota (Kangra) H.P.


RFO Khundia






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



SCHEME FOR COMPENSATORY AFFORESTATION

17/11

Full Title of the Project: Diversion of 391.6635 ha of forest land in favour of Lahn Hydro electric Project S/VN Ltd for the construction of Sanni Dam HEP in Shimla, Kotgarh and Karsog Forest divisions in District Shimla and Mandi- area for compensatory afforestation.			
File Number			
Date of Proposal			
CHECKLIST SERIAL NUMBER-17			
Scheme for compensatory afforestation			
Detailed scheme for compensatory afforestation to be carried out in lieu of 391.6635 ha of forest area to be diverted for the construction of Sanni Dam HEP in Shimla, Kotgarh and Karsog Forest divisions in District Shimla and Mandi- area for compensatory afforestation.			
Detail of degraded forest and/or forest land			
District		Kangra	
Tahsil		Dehra	
Name of forest division		Dehra	
Block/Compartment		Khuaman	
Area to be afforested in ha		10	
Description of area		U 12 D Dhangar C3	
Whether the site selected for compensatory afforestation is a landbank or not			No
If the CA site is other than the landbank reason be given		There is no landbank available for CA	
CA, then what is the distance of CA site from the		N/A	
Soil type		Sandy loam mixed with rocky strata	
Topography		hilly/slopy/medium	
Whether the area is bearing any root stock of vegetation		No	
Plantation Mode			
Copy of the approved compensatory Afforestation Scheme/Model conveyed vide Pr. COF(HoFF) HP letter No. F.State CAMPA/2010/norms/Vol II dated 30.05.2018 showing component wise physical and financial			
SCHEDULE OF PLANTATION PROGRAMME			
	Area in ha	Rate per ha	Total Amount
1st year	1	6300	6300.00
2nd year	1	5500	5500.00
3rd year	1	4600	4600.00
4th year	1	3400	3400.00
5th year	1	3400	3400.00
6th year	1	3400	3400.00
7th year	1	3400	3400.00
8th year	1	3400	3400.00
9th year	1	3400	3400.00
10th year	1	3400	3400.00
		TOTAL (A)	93800.00

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

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Eradication of Lantana (uprooting 100% lanata area)				
Year	Area in ha	Rate per ha	Total amount	
1st year	1	20000	20000	
1st year Maintenance	1	5000	5000	
2nd year maintenance	1	3000	3000	
3rd year maintenance	1	3000	3000	
TOTAL (B)			40200	
NURSERY COST(1100 plants per ha)				
Year	Area in ha	Rate per ha	Total Amount	
1st year	1	15000	15000	
2nd year	1	4000	4000	
3rd year	1	3122	3122	
4th year	1	1500	1500	
5th year	1	1500	1500	
6th year	1	1500	1500	
7th year	1	1500	1500	
8th year	1	1500	1500	
9th year	1	1500	1500	
10th year	1	1500	1500	
TOTAL (C)			36902	
GROSS TOTAL FOR ONE HAC(A+B+C)			169952.00	
Proposal for land diversion		200.0000		
Total CA Expenditure for		10	1000000	
Contingency charges @ 2%			20000	
Departmental charges @ 17.5%			207416	
GRAND TOTAL OF CA INCLUDING TAXES			2081912	
			Or say 2081912	

L

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Divisional Forest Officer
Dehra Forest Division
Dehra-177101 (H.P.)

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

Digital Land Use Map of Compensatory Afforestation Site at U12 D Dhanger C.2 (Area 10 Hact) Nagrota Surian Forest Range, District Kangra, HP
 in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP

Scale: 1:50,000
 Date: 17/05/2017



Legend

- Proposed CA Site (10.00 Hect)
- Existing Road
- River Bed
- Divisional Forest Officer
- General Division
- Forest Range Office
- Shrub
- Open Land/Waste Land
- Drainage
- Shrub

Er. R.L. Negi
 G.M/Head of Project
 SJVN-LHEP: BBNAL

Scale: 1:50,000
 Date: 17/05/2017

Scale: 0 215 430 645 860 1,075 1,290 1,505 1,720 Meters

Digital Toposheet Map of Compensatory Afforestation Site at U12 D Dhangar C.2 (Area 10 Hact)Magrota Surjan Forest Range, District Kangra, HP

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



Legend

- Contributors
- CA Site (Area 10.30 Hact)

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Full Title of the Project: Sunni Dam HEP

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 17
LOCATION MAP

Location Map of Non Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of 391.0695 Ha. Of forest land for Sunni Dam HEP in Shimla and Mandi District.

Village: Dhar Dhanger Tehsil, Dehra District, Kangra Forest Division, Dehra Forest Range,
Nagrota Surian
Block :Khanan

No./CompartmentNo./SurveyNo.: U 12 D Dhanger C2
Area: 10 ha

Map attached area to be taken for Compensatory Afforestation

del
OFFICE INCHARGE
FOREST OFFICER
DEHRA FOREST DIVISION (M.A.)

del
Divisional Forest Officer
Dehra Forest Division
Dehra-177101 (H.P.)

del

del

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

(176)

Full Title of the Project: Sunni Dam HEP

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 20

"LAND SUITABILITY CERTIFICATE BY DFO (T)"

This is to certify that 10 ha Land bearing Survey No. /

Compartment No U12D Dhanger C2of village Dhara Dhanger Tehsil Dehra District Kangra, HP identified for Compensatory Afforestation is suitable For plantation from management point of view and is free and all sorts of Encumbrances and encroachments.

Place: Dehra

Dated: _____

Lg a
Divisional Forest Officer
Dehra Forest Division
Dehra-177101 (H.P.)
Official seal: _____

Wak
FOREST RANGE OFFICER
DANGHER BILJAN
SOBTI KANGRA (H.P.)

Wak

Wak

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

SCHEME FOR PENAL COMPENSATORY AFFORESTATION

JES
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Full Title of the Project: Diversion of 391.0495 ha of forest land in favour of Lohri Hydro-electric Project SJVN Ltd for the construction of Sunri Dam HEP in Shimla, Kotgarh and Karsog Forest divisions in District Shimla and Mandi area for compensatory afforestation.				
File Number				
Date of Proposal				
CHECKLIST SERIAL NUMBER-17				
Scheme for compensatory afforestation				
Detailed scheme for compensatory afforestation to be carried out in lieu of 391.0495 ha of forest area to be diverted for the construction of Sunri Dam HEP in Shimla, Kotgarh and Karsog Forest divisions in District Shimla and Mandi area for compensatory afforestation.				
Detail of degraded forest land/non forest land				
District		Kangra		Chailan
Tehsil		Dadasiba		
Name of forest division		Dehra	Range	Dadasiba
Block/Compartment		Kotla		
Area to be afforested in ha		10		
Description of area (whether forest land/non forest land)		D.P.Chailan C.I.d		
Whether compensatory afforestation is a		No		
If the CA site is other than the landbank, reason be given		There is no landbank available for CA		
In case of non forest land identified for CA, then what is the distance of CA site from the		N/A		
Soil type		Sandy loam mixed with rocky strata		
Topography		hilly/slopy/medium		
Whether the area is bearing any stock of vegetation		No		
Plantation Model				
Copy of the approved compensatory Afforestation Scheme/model conveyed vide Fr CC/ (H/FF) HP letter No. Ft, State CAMPA/2030/norms, Vol. II dated 30.05.2018 showing component wise physical and financial				
A SCHEDULE OF PLANTATION PROGRAMME				
Year	Area in ha	Rate per ha	Total Amount	
1st year	1	83200	83200.00	
2nd year	1	8850	8850.00	
3rd year	1	4000	4000.00	
4th year	1	2400	2400.00	
5th year	1	2400	2400.00	
6th year	1	2400	2400.00	
7th year	1	2400	2400.00	
8th year	1	2400	2400.00	

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

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7th year	1	2400	2400.00
8th year	1	2400	2400.00
9th year	1	2400	2400.00
10th year	1	2400	2400.00
TOTAL (A)			9360.00
B			
Eradication of Lantana (uprooting 100% lantana area)			
Year	Area in ha	Rate per ha	Total amount
1st year	1	20000	20000
1st year Maintenance	1	5200	5200
2nd year maintenance	1	3200	3200
3rd year maintenance	1	3200	3200
TOTAL (B)			40200
C			
NURSERY COST (1100 plants per ha)			
Year	Area in ha	Rate per ha	Total Amount
1st year	1	10000	10000
2nd year	1	4000	4000
3rd year	1	3122	3122
4th year	1	1561	1561
5th year	1	1561	1561
6th year	1	1561	1561
7th year	1	1561	1561
8th year	1	1561	1561
9th year	1	1561	1561
10th year	1	1561	1561
TOTAL (C)			35902
GROSS TOTAL FOR ONE HAG (A+B+C)			169502.00
Proposal for land diversion		101.0000	
Total CA Expenditure for		10	169940
Contingency charges @ 5%			8497
Depreciation charges @ 17.5%			29741
GRAND TOTAL OF CA INCLUDING TAXES			208191
			208191
			Or Say

[Signature]
 Divisional Forest Officer
 Sahya Forest Division, Odisha

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

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Full Title of the Project: **Sunni Dam HEP**

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 17
LOCATION MAP

Location Map of Non Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of 391.0695 Ha. Of forest land for **Sunni Dam HEP** in Shimla and Mandi District.

Village: Chalan Tehsil Dadasiba District: Kangra Forest Division Dehra. Forest Range Dadasiba
Block : Kotla

No./CompartmentNo./SurveyNo. : DP Chalan I/Id

Area:- 10 ha

Map attached area to be taken for Compensatory Afforestation


Forest Range Officer
Dadasiba (Kangra) H.P.


Divisional Forest Officer
Dehra Forest Division
Dehra-177101 (H.P.)






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

Full Title of the Project: **Sunni Dam HEP**

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 20

"LAND SUITABILITY CERTIFICATE BY DFO (T)"

This is to certify that 10 ha Land bearing Survey No. /

Compartment No. DP Chulha C/d of village Chulha Tehsil Dadasiba District Kangra HP identified for Compensatory Afforestation is suitable for plantation from management point of view and is free and all sorts of Encumbrances and encroachments

Place: Dehra .


Forest Range Officer
Dehra (Kangra)


Divisional Forest Officer
Dehra Forest Division
Dehra-177101 (H.P.)

Dated:

Official seal:






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

SCHEME FOR COMPENSATORY AFFORESTATION

Full Title of the Project: Division of 391.0695 ha of forest land in favour of Lahel Hydro electric Project SJVN Ltd for the construction of Sursul Dam HEP in Shimla, Kotgarh and Karsog Forest divisions in District Shimla and Mandi area for compensatory afforestation.			
Date of Proposal			
CHECKLIST SERIAL NUMBER-17			
Scheme for compensatory afforestation			
Detailed scheme for compensatory afforestation to be carried out in lieu of 391.0695 ha of forest area to be diverted for the construction of Sursul Dam HEP in Shimla, Kotgarh and Karsog Forest divisions in District Shimla and Mandi area for compensatory afforestation.			
Detail of degraded forest land/non forest land			
District	Kangra	village	Majheer
Taluk	Khudiar		
Name of forest division	Dohra	Range	Khudiar
Block/Compartment	Majheer		
Area to be afforested in ha	5		
Description of area	U.T.D Majheer C.31		
Whether the site selected for compensatory afforestation is a landsbank or not	No		
If the CA site is other than the landsbank reason be given	There is no landsbank available for CA		
In case of non forest land identified for CA, then what is the distance of CA site from the	N/A		
Soil type	Sandy loam mixed with rocky shale hilly/slopy/medium		
Topography			
Whether the area is bearing any next stock of vegetation	No		
Plantation Model			

Copy of the approved compensatory Afforestation Scheme/model(conveyed vide Fr CCF(HoFF) HP letter No. Ft.State CAMPA/2030/norms.Vol II dated 30.05.2018 showing component wise physical and financial

A SCHEDULE OF PLANTATION PROGRAMME				
Year	Area in ha	Rate per ha	Total Amount	
1st year	1	83000	83000.00	
2nd year	1	4800	4800.00	
3rd year	1	4800	4800.00	
4th year	1	2400	2400.00	
5th year	1	2400	2400.00	
6th year	1	2400	2400.00	
7th year	1	2400	2400.00	
8th year	1	2400	2400.00	
9th year	1	2400	2400.00	
10th year	1	2400	2400.00	
11th year	1	2400	2400.00	
12th year	1	2400	2400.00	
TOTAL (A)			108800.00	
B Eradication of Larantia (uprooting 100% larantia area)				
Year	Area in ha	Rate per ha	Total amount	
1st year	1	28000	28000	
2nd year maintenance	1	3200	3200	
3rd year maintenance	1	3200	3200	
4th year maintenance	1	3200	3200	
TOTAL (B)			40200	

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

(192) (183)

C NURSERY COST (1100 plants per ha)			
Year	Area in ha	Rate per ha	Total Amount
0 year	1	15000	15000
1st year	1	4800	4800
2nd year	1	3122	3122
3rd year	1	1501	1501
4th year	1	1501	1501
5th year	1	1501	1501
6th year	1	1501	1501
7th year	1	1501	1501
8th year	1	1501	1501
9th year	1	1501	1501
10th year	1	1501	1501
TOTAL (C)			35902
GROSS TOTAL FOR ONE HAC(A+B+C)			163952.00
Proposed for land diversion		301.0013	
Total CA Expenditure for		8	849700
Contingency charges @ 10%			42435
Departmental charges @ 17.5%			148700
GRAND TOTAL OF CA INCLUDING TAXES			1040956
		Or Say	1041000

Divisional Officer
Dehra Forest Division, Dehra

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

Digital Land Use Map of Compensatory Afforestation Site at U7.D Majheen C35 Chailan (Area 5 Hact) Khundian Forest Range, District Kangra, HP
 In respect of S.JVN Limited diversion of forest Land for Construction of Suni Dam HEP

DATE: 15/07/2024
 BY: [Signature]



Legend

- Proposed CA Site (5.00 Hact)
- Existing Road
- River Bed
- Forest
- Agricultural Land
- Divisional Forest Officer
- District Forest Division Land/Waste Land
- District: 177101

Er. R.L. Negi
 Chief Head of Project
 S.JVN, DHEP, Bihhal

195
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Full Title of the Project: **Sunni Dam HEP**

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 17
LOCATION MAP

Location Map of Non Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of 391.0695 Ha. Of forest land for Sunni Dam HEP in Shimla and Mandi District.

Village: Majheen Tehsil Khundian District Kangra Forest Division Dehra Forest Range
Khundian

Block : Majheen

No./CompartmentNo./SurveyNo.: UTD Majheen C-35

Area: 5 ha

Map attached area to be taken for Compensatory Afforestation.

Rao
Rfo khundian

hga
Divisional Forest Officer
Dehra Forest Division
Dehra Forest Range

Dehra

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

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Full Title of the Project: Sunni Dam HEP

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 20

"LAND SUITABILITY CERTIFICATE BY DFO (T)"

This is to certify that **45** ha Land bearing Survey No. /

Compartment No U7D Majheen C-35 of village Majheen Tehsil Khundiana District Kangra HP identified for Compensatory Afforestation is suitable for plantation from management point of view and is free and all sorts of Encumbrances and encroachments

Place: Dehra.


Divisional Forest Officer
Dehra Forest Division
Dehra-177101 (H.P.)

Dated 12/02/2020

Official seal: _____


Range Forest officer
Khundiana




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

1997 189

Regarding 37.00 ha CA Scheme for the land bank provided by Nahau Forest Division, Nahau for the construction of Sunni Dam HEP on Satluj River Jurisdiction of Shimla, Kotgarh & Karsog Forest Division Distt Shimla & Mandi of H.P.

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed Scheme for Compensatory Afforestation to be carried out 37.00 ha. of forest area to be diverted for construction of Sunni Dam HEP on Satluj River Jurisdiction of Shimla, Kotgarh & Karsog Forest Division Distt Shimla & Mandi of H.P.

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

District Sirmour Tehsil: Nahau

Name of Forest Division Nahau Range, Nahau.

Block/Compartment/Survey No: RF Taska C-1 Survey Shoot-H43L7 Area to be afforested 37.00 ha.

1. Description of the Area

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

2. Plantation model

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




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

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3. Schedule of Plantation Programme:-

Details of year-wise break up of requirements of funds are as under:-

YEAR	Area in Ha.	Rate //ha	Amount
0 YEAR	37.00	63200	233840
1 Year	37.00	6850	253450
2nd Year	37.00	4600	170200
3rd Year	37.00	2400	88800
4th Year	37.00	2400	88800
5th Year	37.00	2400	88800
6th Year	37.00	2400	88800
7th Year	37.00	2400	88800
8th Year	37.00	2400	88800
9th Year	37.00	2400	88800
10th Year	37.00	2400	88800
Total			3472450/-
Add Nursery Cost for Palntation.			1328374/-
Total			4800824/-
Contingency Charges 5%			240041/-
Total			5040865/-
Departmental Charge 17.5 %			882151/-
G. Total			5923017/-

4. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

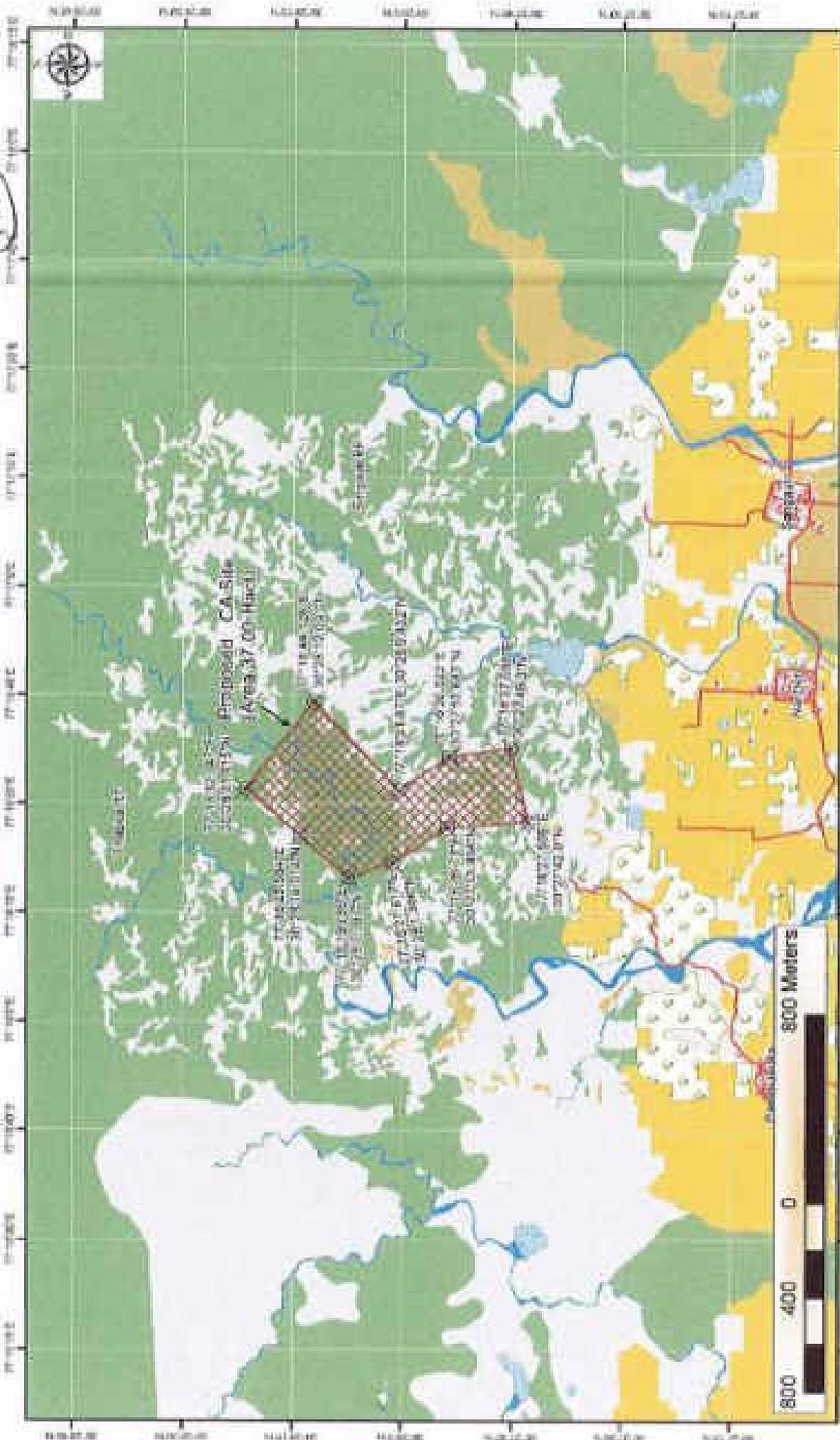
- General Details
- Spacing: 3 mts X 3 mts (As per availability and notional hectare area by no. of plants
- Species:- Misc Broad leaved and medicinal plants
- Plantation Method: By manual pit digging and manual labour
- Soil and Moisture Conservation Works:- Contour trenches
- Protection (Fencing, Watch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

Divisional Forest Officer
Nahan Forest Division.

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

Digital Land Use Map of Compensatory Afforestation Site at RF Thaska C-1 (Area 37 Hact) Forest Range Mahan, District Sirmour, HP

In respect of SJVN Limited division of forest land for construction of Summit Dam HEP



Legend

- Proposed CA Site (37.00 Hact)
- Existing Road
- Green Cover
- Open Land/Waste Land
- Agricultural Land
- Scrub
- Drainage
- Plantation

Scale: 800 Meters (0, 400, 800)

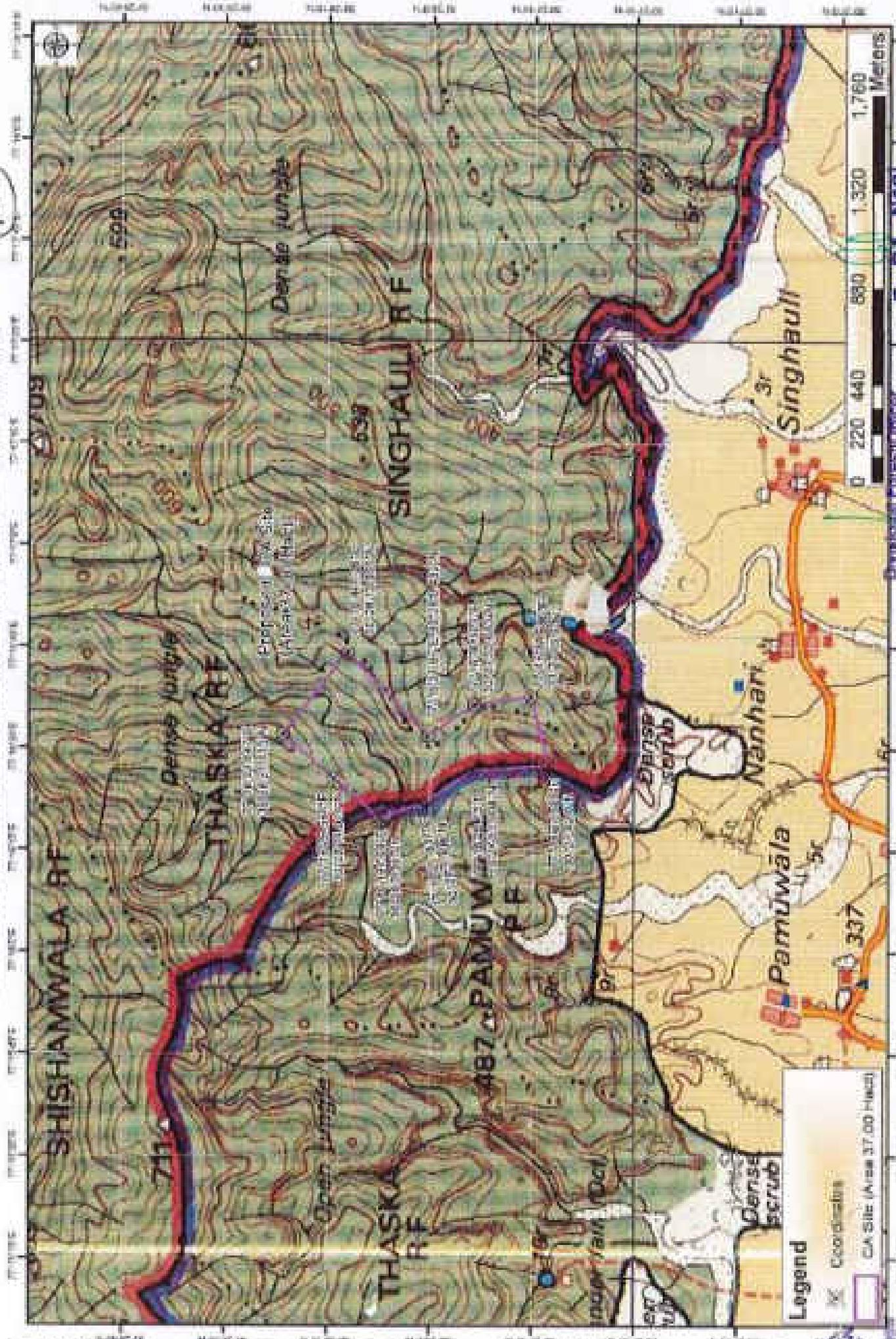
Divisional Forest Officer,
Mahan Forest Sub-division,
Mahan, H.P.

Ec. R.L. Negi,
Government of Project,
SJVN, LHEP, Bithal

Senior Manager,
Engr. Deptt. LHEP
SJVN Ltd. 27/04/17/2003

Digital Toposheet Map of Compensatory Afforestation Site at RF Thaska C-1 (Area 37 Hect) Forest Range Nahani, District Sirmour, HP
 In respect of SJVU Limited division of forest land for construction of Small Dam HEP

P-2



Er. R.L. Negi
 CGM/Head of Project
 Nahani (H P)

Divisional Forest Officer,
 Nahani Forest Division,
 Nahani (H P)

S. J. V. U. Limited
 Engg. Dept. Ltd.
 S. J. V. U. Ltd. Shimla

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Regarding 37.00 ha CA Scheme for the land bank provided by Nahar Forest Division, Nahar for the construction of Sunni Dam HEP on Satluj River Jurisdiction of Shimla, Kotgarh & Karsog Forest Division Distt Shimla & Mandi of H.P.

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 37.00 hect. land bearing Survey No. H43L7 Compartment No. RF Taska C-1, Toderpur Block of Nahar Range of Nahar Forest Division, Tehsil Nahar, District Sirmour, identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view is free from all sorts of encumbrances and encroachments.

Date: 10/11/20
Place: Nahar

Divisional Forest Officer,
Nahar Forest Division,
Nahar (HP).

for
for


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

194

Full title of the project: Clo Sunni Dam HEP (382 MW)
File No.:
Date of proposal:

CHECK LIST SERIAL NUMBER-17

LOCATION MAP.

Location Map of Non-Forest/Degraded Forest Area Identified for Compensatory Afforestation in lieu of proposal for diversion of 397.1692 ha of forest land for construction of Sunni Dam HEP (382 MW), in Shimla, Mandi District.

Forest Division:- Rampur.

Forest Range:-Nankhari & Rampur.

Block No./Compartment No. /Survey No.

H43F14

H43F01 UF-Batuna=25 ha. (Rampur Range)

UF-Nagaini=10 ha., D-8 Bhagat=10 ha., D-5 C-2

Gahan=10 ha. & UF-Chari=12 ha. (Nankhari Range)

Area:- 67.00 ha.

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


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


(Arvind Kumar), IFS
Dy. Conservator of Forests,
Rampur Forest Division,
Rampur Forest Division
Rampur Bushahr (H.P.)

↓
194

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Full title of the project: Clo Sunni Dam HEP (382 MW)
File No.:
Date of proposal:

CHECK LIST SERIAL NUMBER-18
SCHEME FOR COMPENSATORY AFFORESTATION.

Detail scheme for compensatory afforestation to be carried out in lieu of 397.1602 ha. of forest area to be diverted for construction of Sunni Dam HEP (382 MW), in Shimla & Mandi District.

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

District:- Shimla Village:- Batuna, Nagalni, Bhagat, Gahan & Char

Tehsil:- Rampur & Nankhari

Name of Forest Division:- Rampur Bushahr Range:- Rampur & Nankhari.

Block No./Compartment No.

/Survey No. H43F11

UF-Batuna=25 ha. (Rampur Range)

H43F14

UF-Nagalni=10 ha., D-8 Bhagat=10 ha., D-5 C-2

Gahan=10 ha. & UF-Char=12 ha. (Nankhari Range)

Area to be afforested: 67.00 ha.

2. Description of area:-

- i. Whether the site selected for compensatory afforestation is a land bank or not- Yes.
- ii. If the CA site is other than the land bank, reasons be given:- Not applicable.
- iii. In case of non forest area identified form A, then what is the distance of CA site from the adjoining forest boundary:- Not applicable
- iv. Soil type:- Clayey loam.
- v. Topography: a. Hilly/undulating/plain
b. Slope: Steep/Medium/Gentle
- vi. Whether the area is bearing any root stock of vegetation:- No.

3. Plantation Model:-

Copy of the approved compensatory afforestation scheme/model showing component wise physical and financial break up is enclosed.

4. Schedule of plantation programme:-

Detail of year wise break-up of requirement of funds is as under:-

Year	Area	Rate	Amount
0 year i.e. year plantation	67 ha.	112500	75,30,510
1st year maintenance	67 ha.	17820	11,93,940
2nd year maintenance	67 ha.	12948	8,67,516
3rd year maintenance	67 ha.	7088	4,75,566
4th year maintenance	67 ha.	7605	5,09,535

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

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5th year maintenance	67 ha.	8112	5,43,504
6th year maintenance	67 ha.	8619	5,77,473
7th year maintenance	67 ha.	9126	6,11,442
8th year maintenance	67 ha.	9633	6,45,411
9th year maintenance	67 ha.	10140	6,79,380
10th year maintenance	67 ha.	10647	7,13,349
		Total	1,43,56,626
		Departmental charges @ 17.5%	25,12,410
		Contingency Charges @ 5%	7,17,831
		G. Total	1,75,86,867

5. **Technical details:-**

Technical details of compensatory afforestation scheme are as follows:-

- (a) **General Details:-** An area of 67.00 ha. will be taken up for planting under compensatory afforestation scheme UF-Batuna=25 ha., UF-Nagalni=10 ha., D-8 Bhagat=10 ha., D-5 C-2 Gahan=10 ha. & UF-Chari=12 ha. in a single compact patch. The area will be protected by barbed wire fencing and a mixture of conifer and broad leaved species will be planted 1100 plants will be planted per hectare.
- (b) **Spacemen:-** 3.00 mtrs x 3.00 mtr
- (c) **Species:-** Conifer & other broad leave species.
- (d) **Plantation Method:-** Nursery grown one and half year old plants of Chir & Broad Leave and two and half year old Deodar & Ban species (in Polythene bags) will be planted in 45x45x45 cm pits in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beating up of failures will be done. The plantation will be rainfed.
- (e) **Soil 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 be done where ever required.
- (f) **Protection (fencing, Watchman, 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 GCI representatives as per instructions. The plantation sites will be approachable from Rampur Nankhari-Narkand road & Rampur Nagli Kalna Batuna road.
- (h) **Any other information:-** Nil.

1

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Er. P. L. Negi
CGM/Head of Project
SJV, IIFP, Bithal

[Handwritten signature]

(Arvind Kumar), IFS
Dy. Conservator of Forests,
Rampur Forest Division,
Rampur Bushahr.
Dy. Representative of Forests
Rampur Forest Division
Rampur Bushahr (H.P.)

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BILL FOR COMPENSATORY AFFORESTATION SCHEME IN RESPECT OF DIVERSION OF LAND FOR CONSTRUCTION OF SUNNI DAM PROJECT 382.00 MW HEP WITHIN THE JURISDICTION OF RAMPUR FOREST DIVISION

Area proposed for Compensatory Afforestation in ha.		67.00 Ha.			
Name of the proposed plantation area		D-8 Bhagat 10 ha., UF-Batuna 25 ha., UF-Charl 12 ha., D-3 C-2 Gohan 10 ha. & UF-Nagaini 10 ha. Total = 67 ha.			
Number of Plants to be planted per hectare		1100			
Total number of plants to be planted in proposed area		73700			
Species to be planted in proposed area		Deodar & other Broad leave species			
Particulars of works	Unit cost at wage structure for 2018-19	Year of execution of works	Cost escalation	Unit cost after applying cost escalation	Total amount
Initial cost for raising compensatory Afforestation over an area of 67.00 hectare	102300	2020-21	10%	112530	7539510
1 st year maintenance	14850	2021-22	20%	17820	1193940
2 nd year maintenance	9960	2022-23	30%	12948	867516
3 rd year maintenance	5070	2023-24	40%	7098	475566
4 th year maintenance	5070	2024-25	30%	7603	509535
5 th year maintenance	5070	2025-26	60%	8112	543504
6 th year maintenance	5070	2026-27	70%	8619	577473
7 th year maintenance	5070	2027-28	80%	9126	611442
8 th year maintenance	5070	2028-29	90%	9633	645411
9 th year maintenance	5070	2029-30	100%	10140	679380
10 th year maintenance	5070	2030-31	110%	10647	713349
Total =					14356624
Contingencies Charges @ 5%					717831
Total cost of CA Scheme					15074457
Departmental Charges @ 17.5%					2512410
G. Total =					17586867

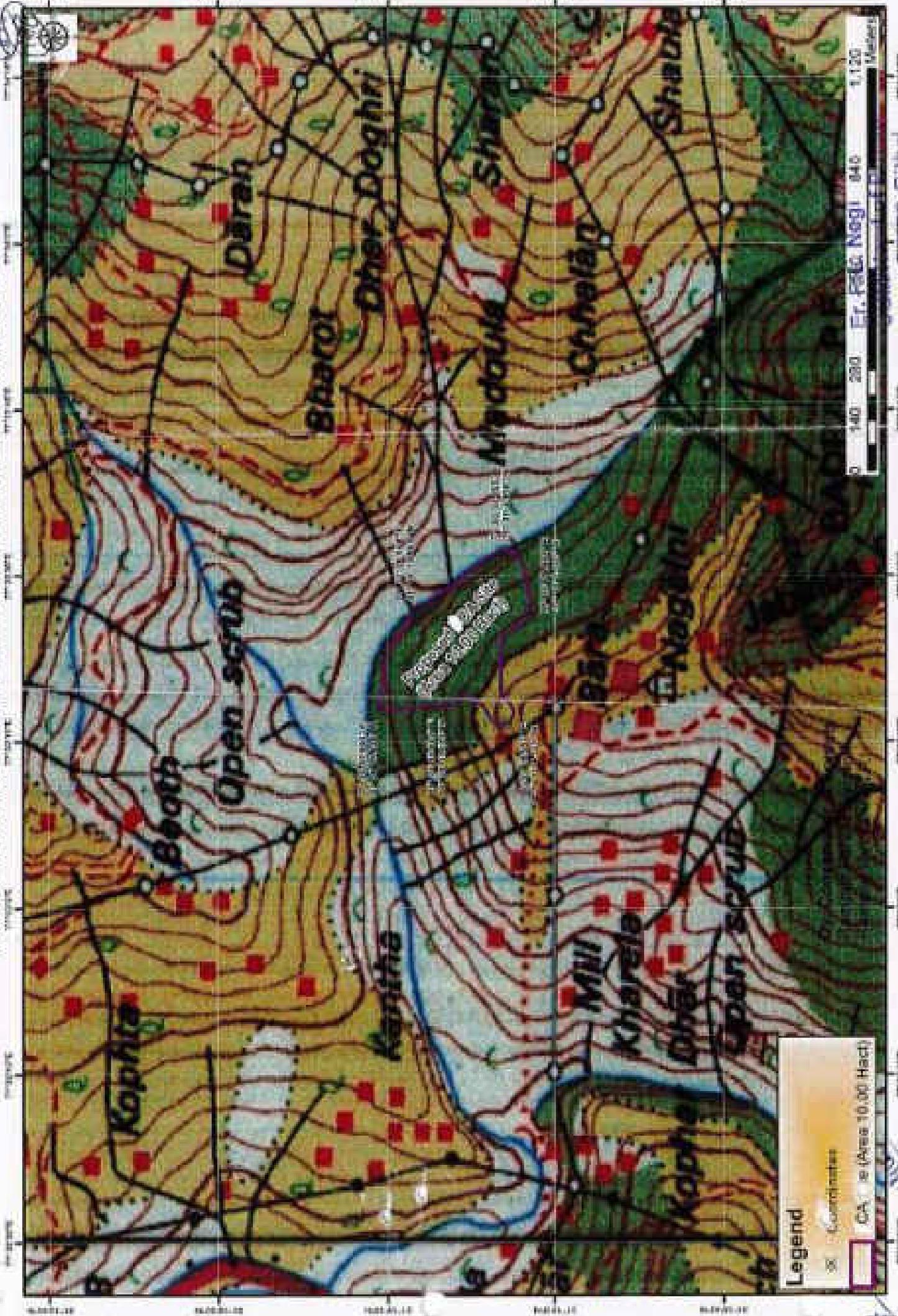
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2

Er. R. J. Negi
SGM/In-charge of Project
S.V.N, IHEP, Bithal

Dy. Conservator of Forests,
Rampur Forest Division
Rampur Buzahr.

Digital Toposheet Map of Compensatory Afforestation Site at UF Nagaini (Area 10.00 Hact) Bagatti Forest Range Rampur, District Shimla, HP
In respect of SJVN Limited diversion of forest Land for Construction of Lohri HEP Stage-II



Legend

- Coordinates
- CA Site (Area 10.00 Hact)

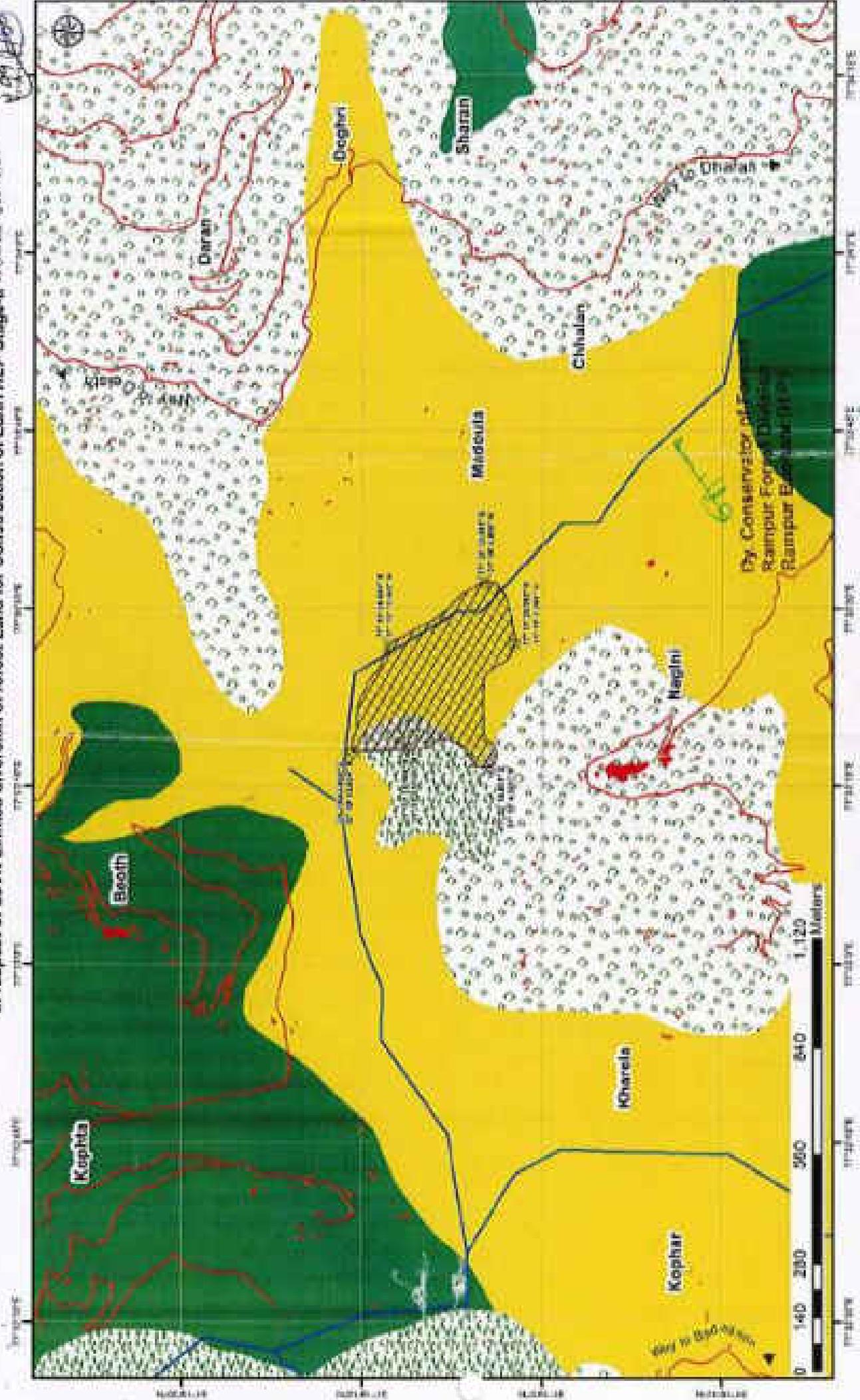


SJVN LIMITED BHPL

Digital Land Use Map of Compensatory Afforestation Site at UF Nagelni (Area 10.00 Hact) Bagatti Forest Range Rampur, District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Luthi HEP Stage-B. Area: 36.00 Hect. (360000 Sq. Mtr.)

1/2000
1:25000



- Legend**
- Proposed CA Site (10.00 Hact)
 - Existing Road
 - Footpath
 - Bulldoz
 - Agricultural Land
 - Plantation
 - Green Cover
 - Open Land/Waste Land
 - Drainage
 - Shrub

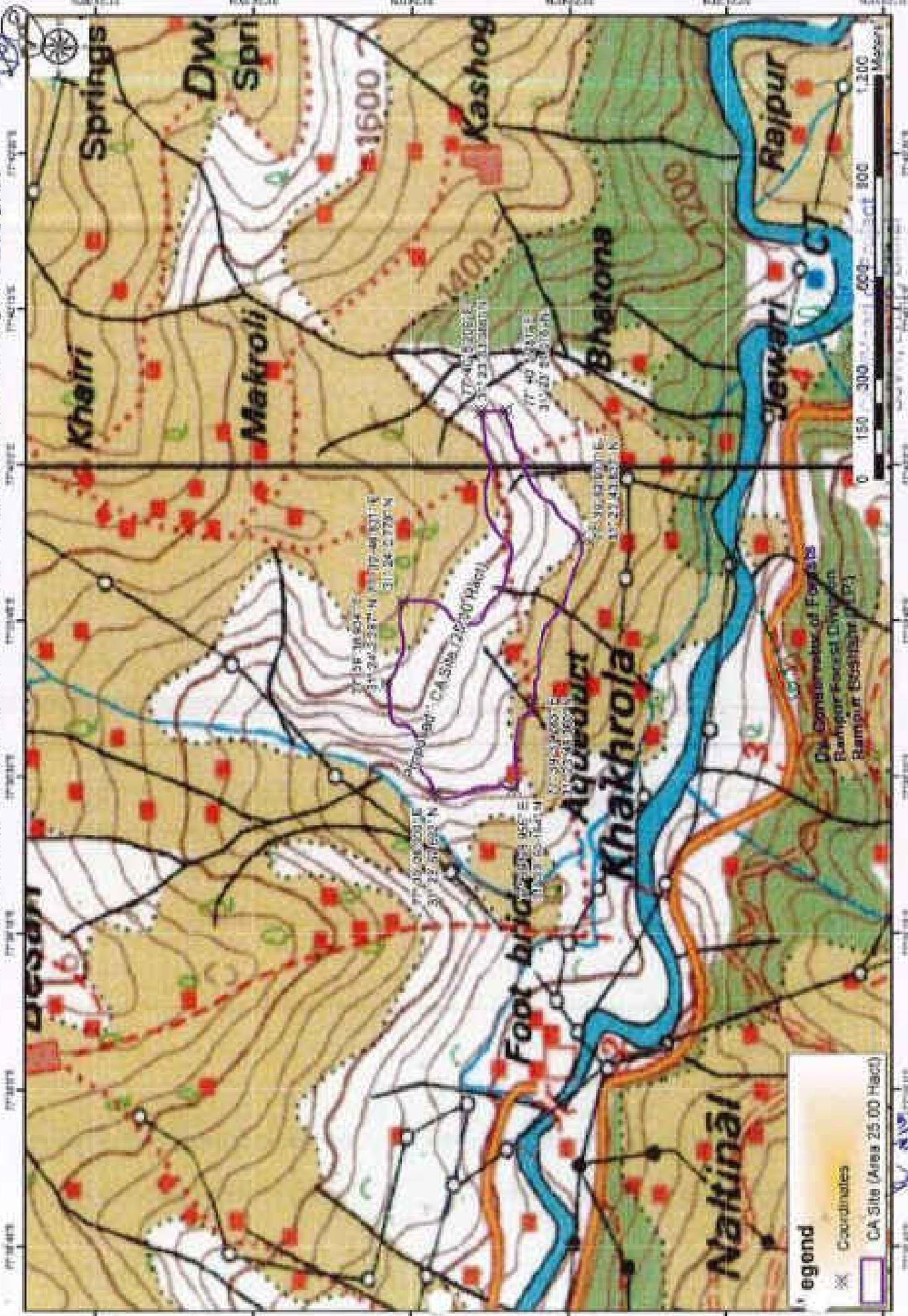


Er. R.L. Negi

Surveyor General
 Government of Himachal Pradesh
 Shimla
 (Himachal Pradesh)
 Government of Himachal Pradesh
 Shimla

1

Digital Toposheet Map of Compensatory Afforestation Site at UF Batuna (Area 25.00 Hact) Nogli Dansa Forest Range Rampur, District Shimla, HP
 In respect of SJVN Limited diversion of forest Land for Construction of Juhri-HEP Stage-II - Sukki DHEP

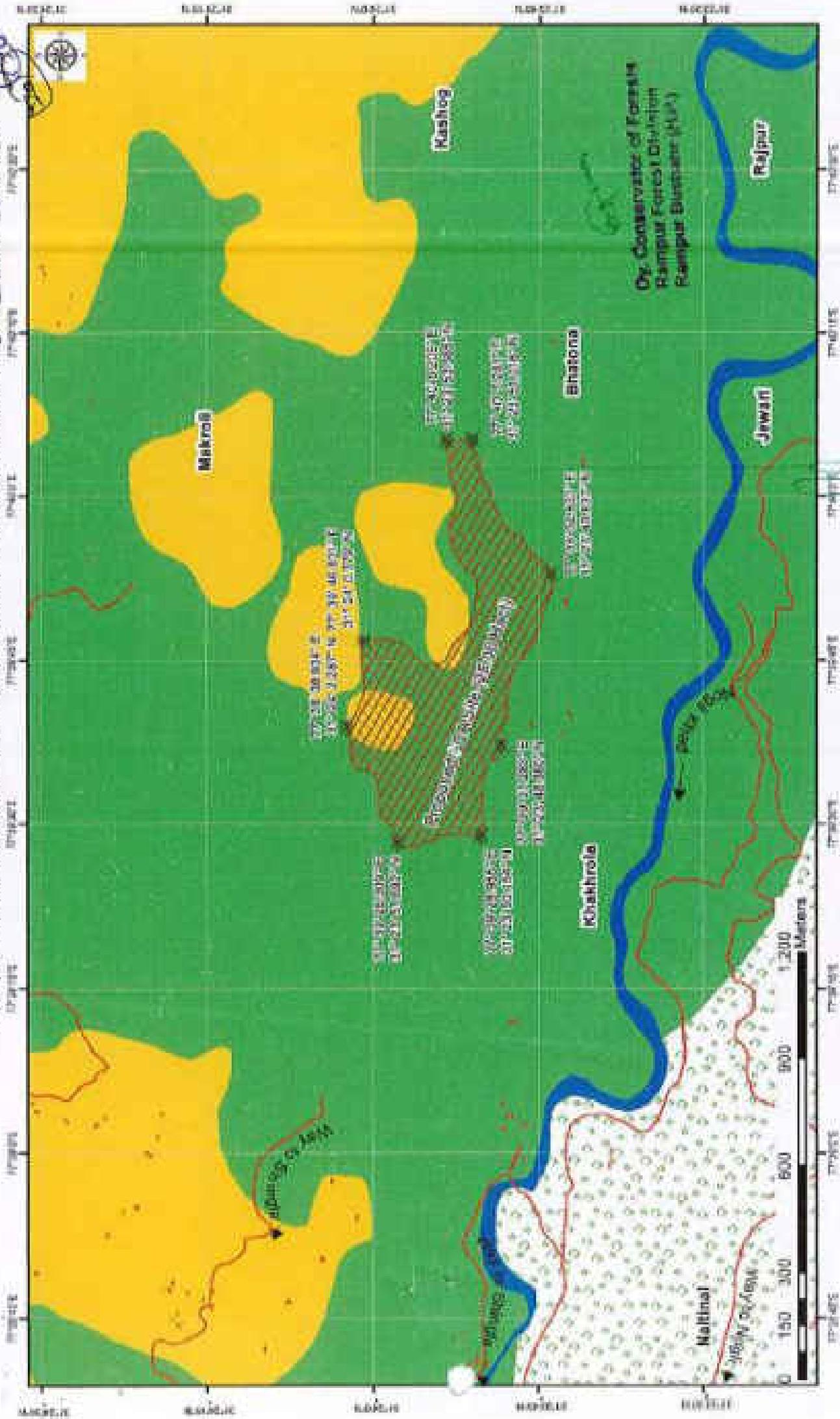


Legend

- ☒ Coordinates
- ☐ CA Site (Area 25.00 Hact)

Div. Commissioner of Forests
 Rampur Forest Division
 Rampur Bhatona (HP)

Digital Land Use Map of Compensatory Afforestation Site at UF Batuna (Area 25.00 Hect) Nogil Dansa Forest Range Rampur, District Shimla, HP
 In respect of SJVN Limited diversion of forest Land for Construction of Tehri-HEP-Stage-II Summ Dam HEP



Legend

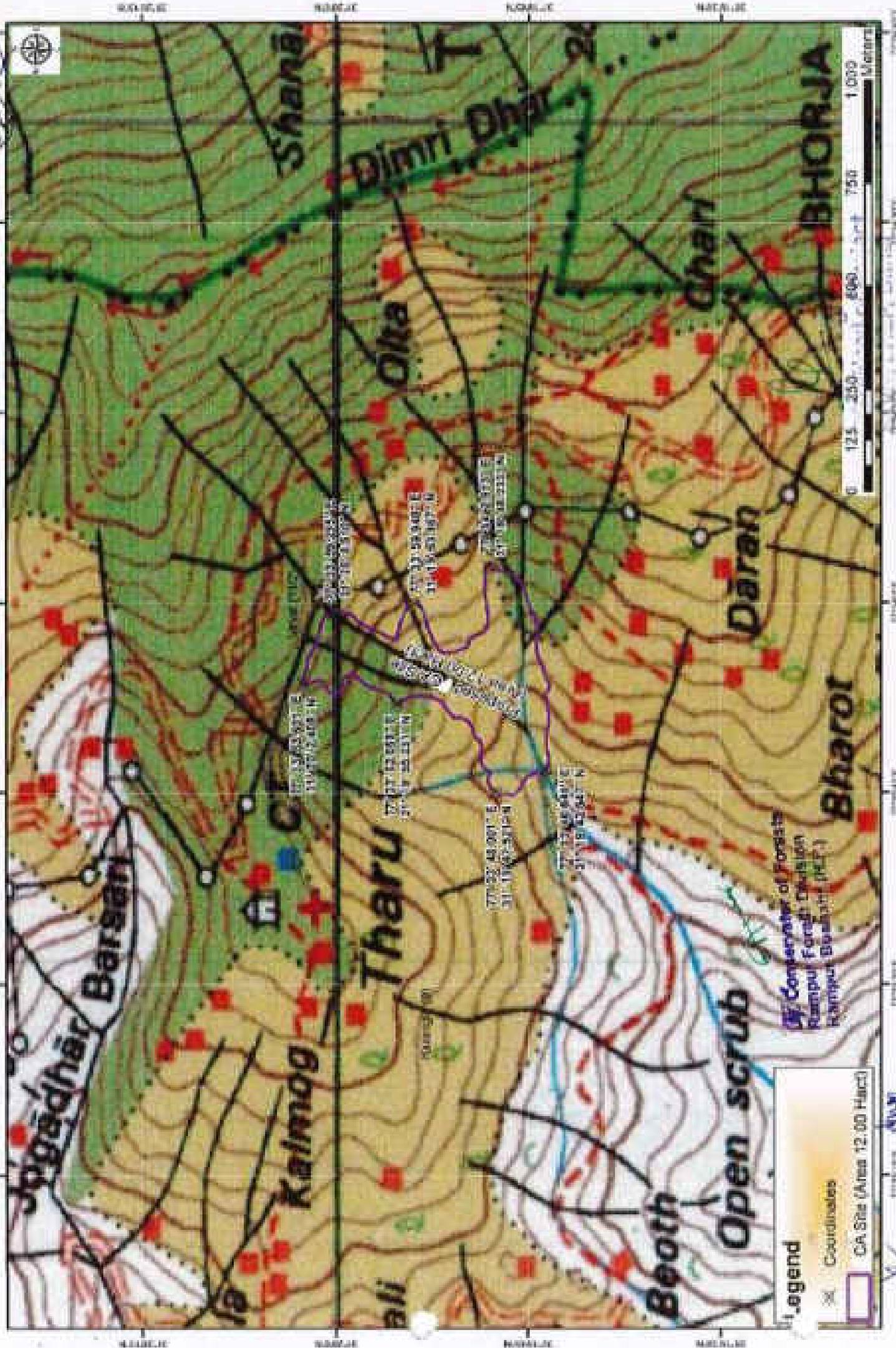
- Footpath
- Proposed CA Site (25.00 Hect)
- Existing Road
- Plantation
- Green Cover
- Shrub
- Open Land/Waste Land
- Drainage
- Shrub

Scale
 0 150 300 600 900 1200 Meters

North Arrow

Project Information:
 Prepared by: **Envirologi**
 Consultant of Project: **SJVN Limited**
 Approved by: **Forest Range Officer, Rampur, District Shimla, HP**

Digital Toposheet Map of Compensatory Afforestation Site at Nankhari (Area 12.00 Hact) UF-Chhari Forest Range Rampur, District Shimla, HP.
 In respect of SJVN Limited diversion of forest Land for Construction of Uhart-HEP-Stage-II, Summit Down HPT



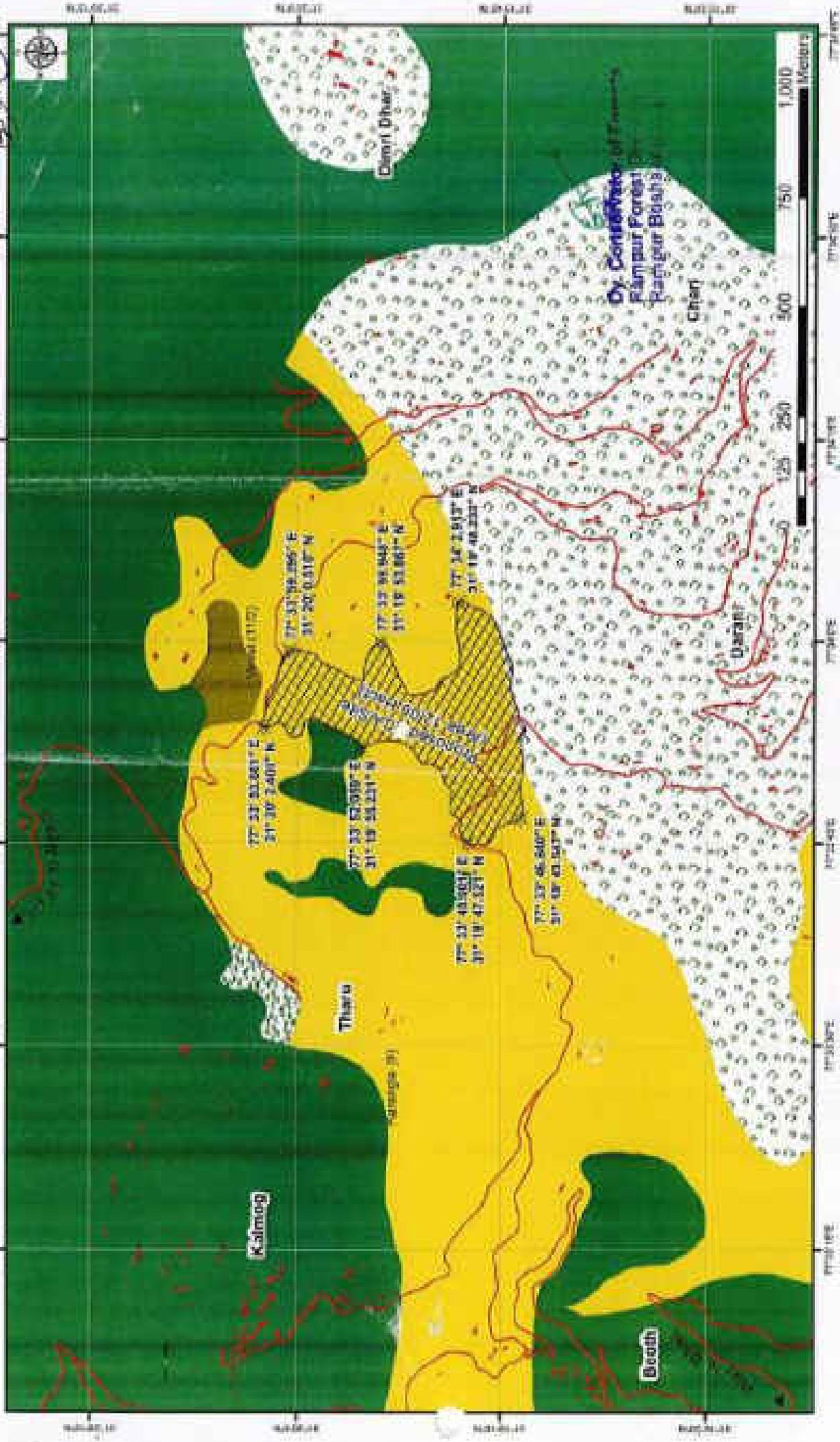
Legend

- Coordinates
- CA Site (Area 12.00 Hact)

Compensatory Afforestation
 Rampur Forest Division
 Shimla District (H.P.)

Digital Land Use Map of Compensatory Afforestation Site at Nankhari (Area 12.00 Hact) UF-Chari Forest Range Rampur, District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Lohri HEP Stage-I
 Summit Datum **MSD 1985**
 Scale **1:50,000**



- Legend**
- Proposed CA Site (12.00 Hact)
 - Existing Road
 - Footpath
 - Bullup
 - Agricultural Land
 - Plantation
 - Green Cover
 - Shrub
 - Open Land/Waste Land
 - Drainage

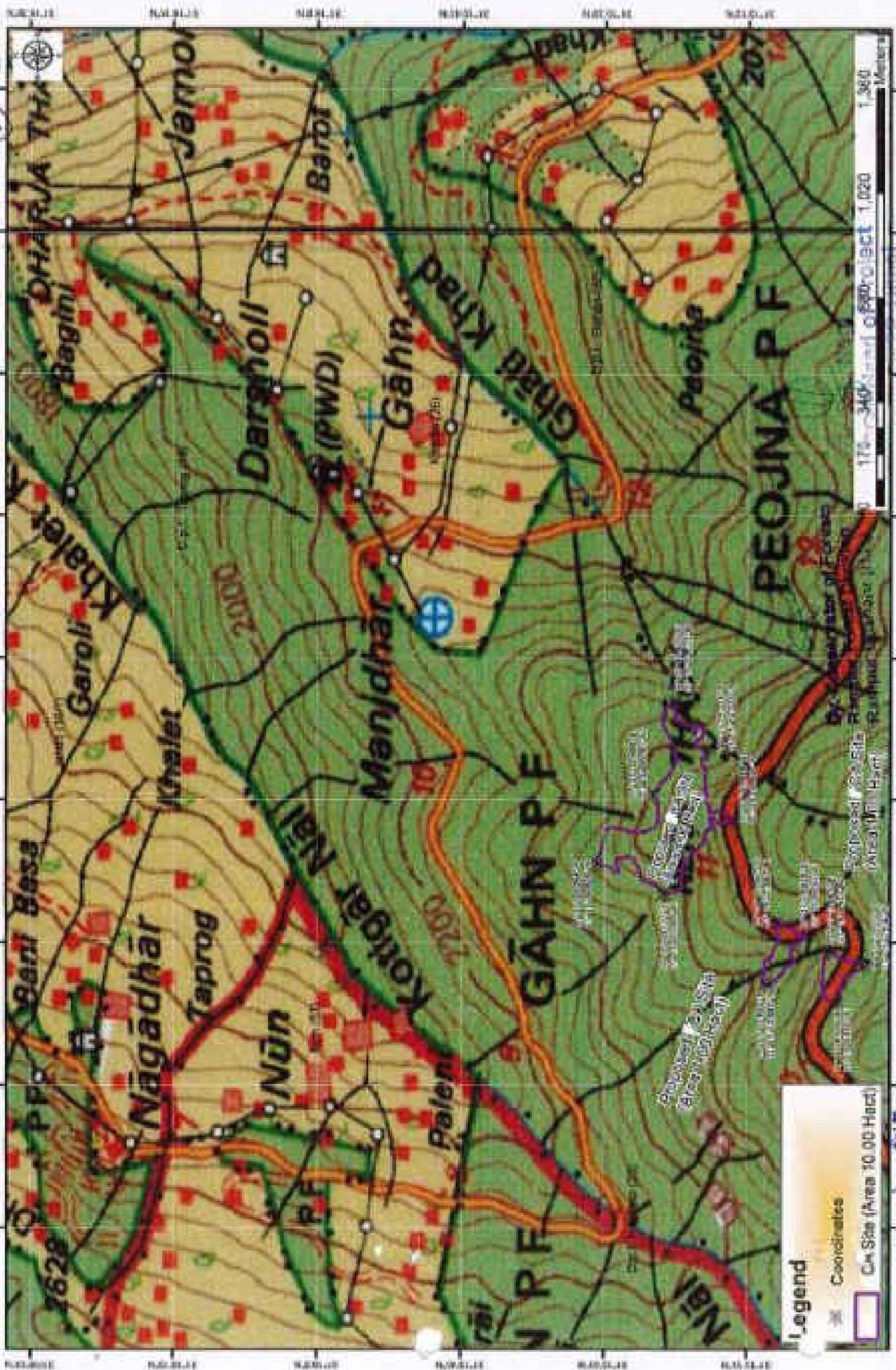
Er. R. Nagi
 Geomatics Engineering
 Survey, Tripoli, Bithoor

Digitized by **Dr. Jitendra Kumar**, IIT Roorkee
 Digitized by **Dr. Jitendra Kumar**, IIT Roorkee
 Digitized by **Dr. Jitendra Kumar**, IIT Roorkee

Digital Toposheet Map of Compensatory Afforestation Site at Gahan (Area 10.00 Hact) D-5 C-2 Forest Range Rampur, District Shimla, HP

In respect of S/JVN Limited diversion of forest land for construction of Sahni-HEP-Stage-II, Summit, Dam, HEP, Project

17/05/2024
 17/05/24
 17/05/24

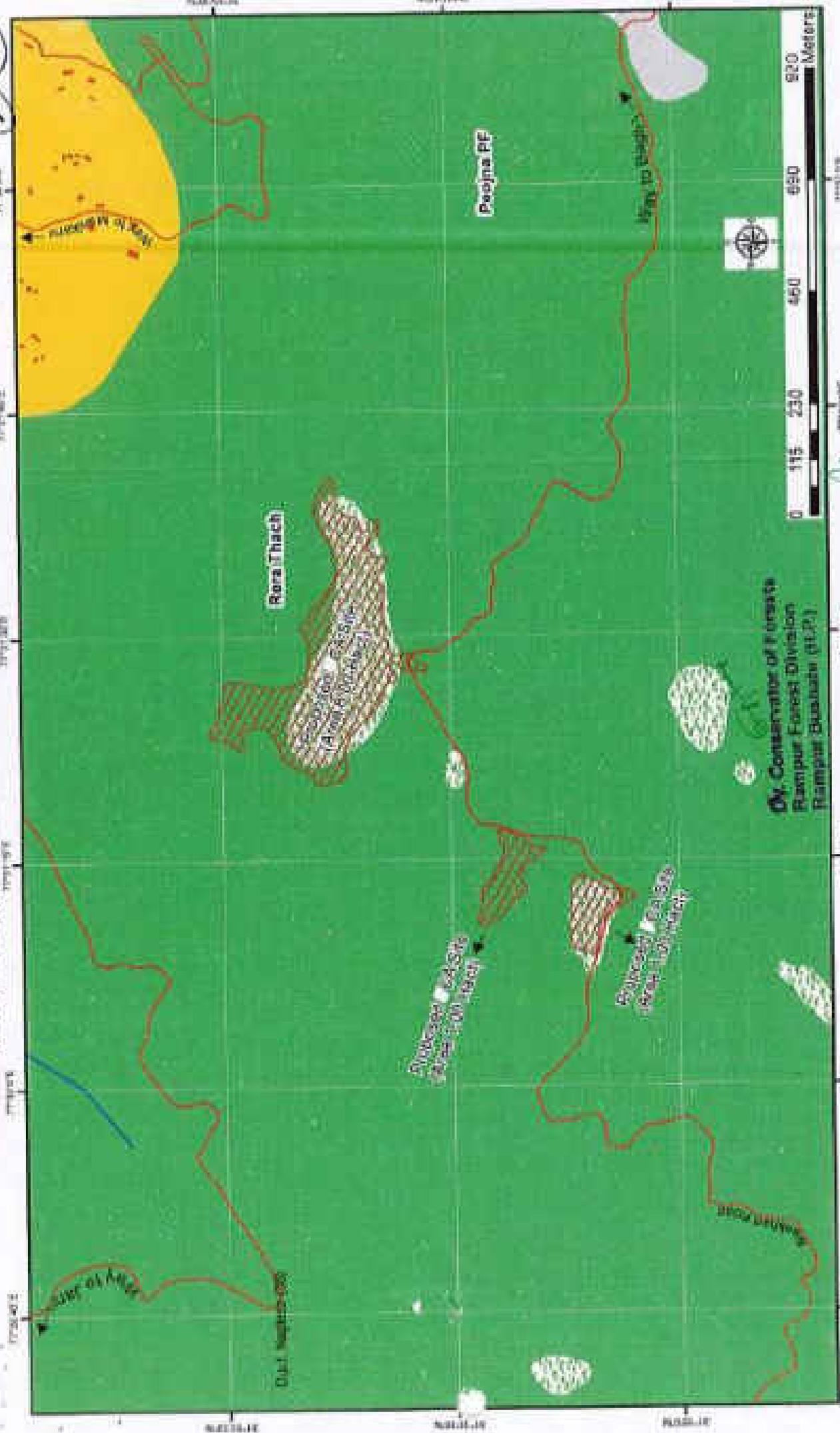


Legend

- Coordinates
- C/A Site (Area 10.00 Hact)

175-340 Easting
 1,000
 1,300
 Meter

Digital Land Use Map of Compensatory Afforestation Site at Gahan (Area 10.00 Hact) D-5 C-2 Forest Range Rampur, District Shimla, HP
 In respect of S/JVN Limited diversion of forest Land for Construction of Sub-HEP-Stage-II-Summi Doon, HEP



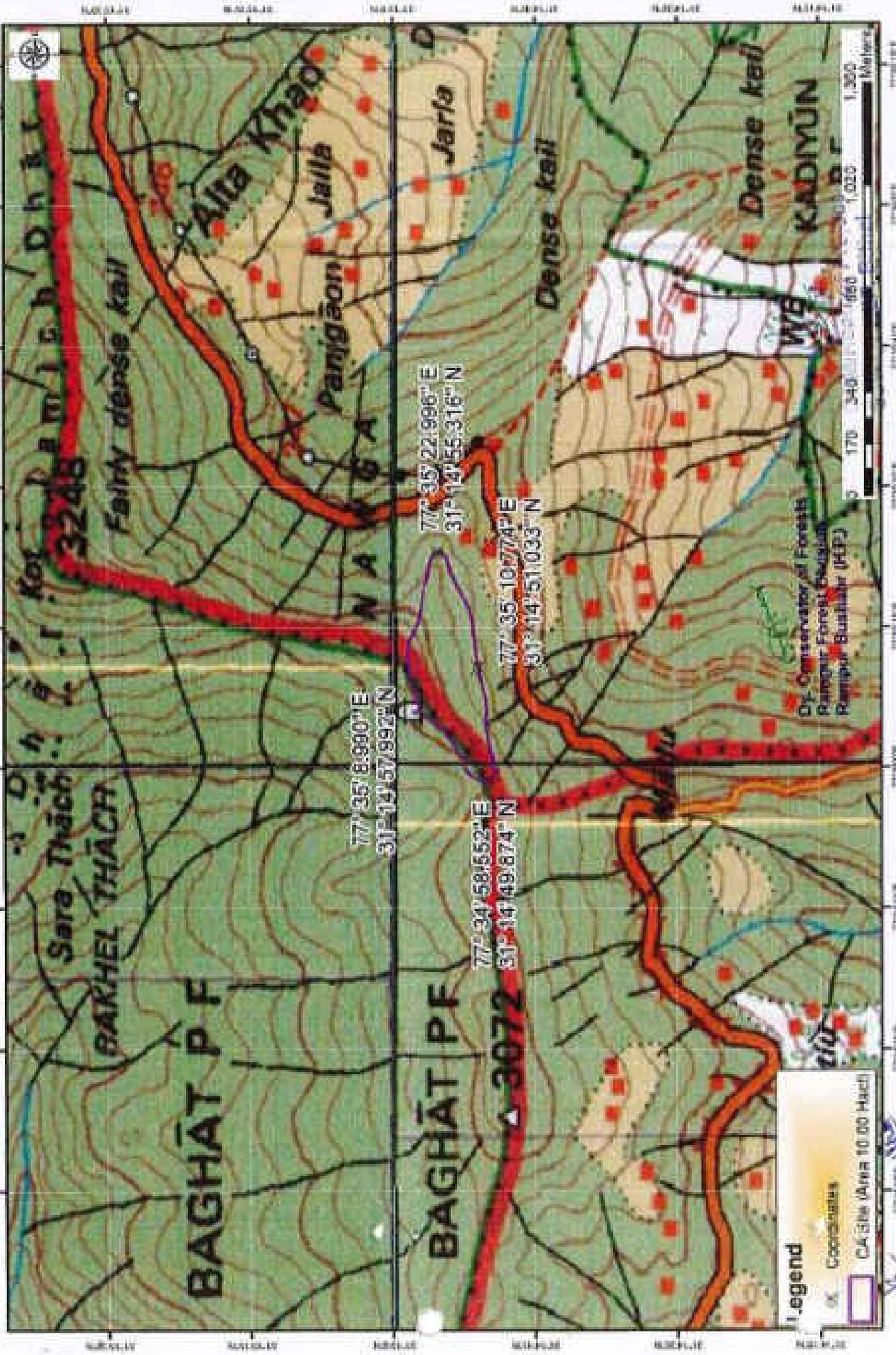
Legend

- Footpath
- Proposed CA Site (10.00 Hact)
- Existing Road
- Planation
- Green Cover
- Agricultural Land
- Open Land/Waste Land
- Drainage
- Shrub

Er. P.L. Nagl
 GGM/Conservation Engineer
 State Forest Deptt., Shimla
 S.J.V.N. Limited



Digital Toposheet Map of Compensatory Afforestation Site at Adelu (Area 10.00 Hect) D-8 Bhagat Forest Range Rampur, District Shimla, HP
 In respect of SJVN Limited diversion of forest Land for Construction of Luli-HEP Stage-II S.No.14, D.No.15



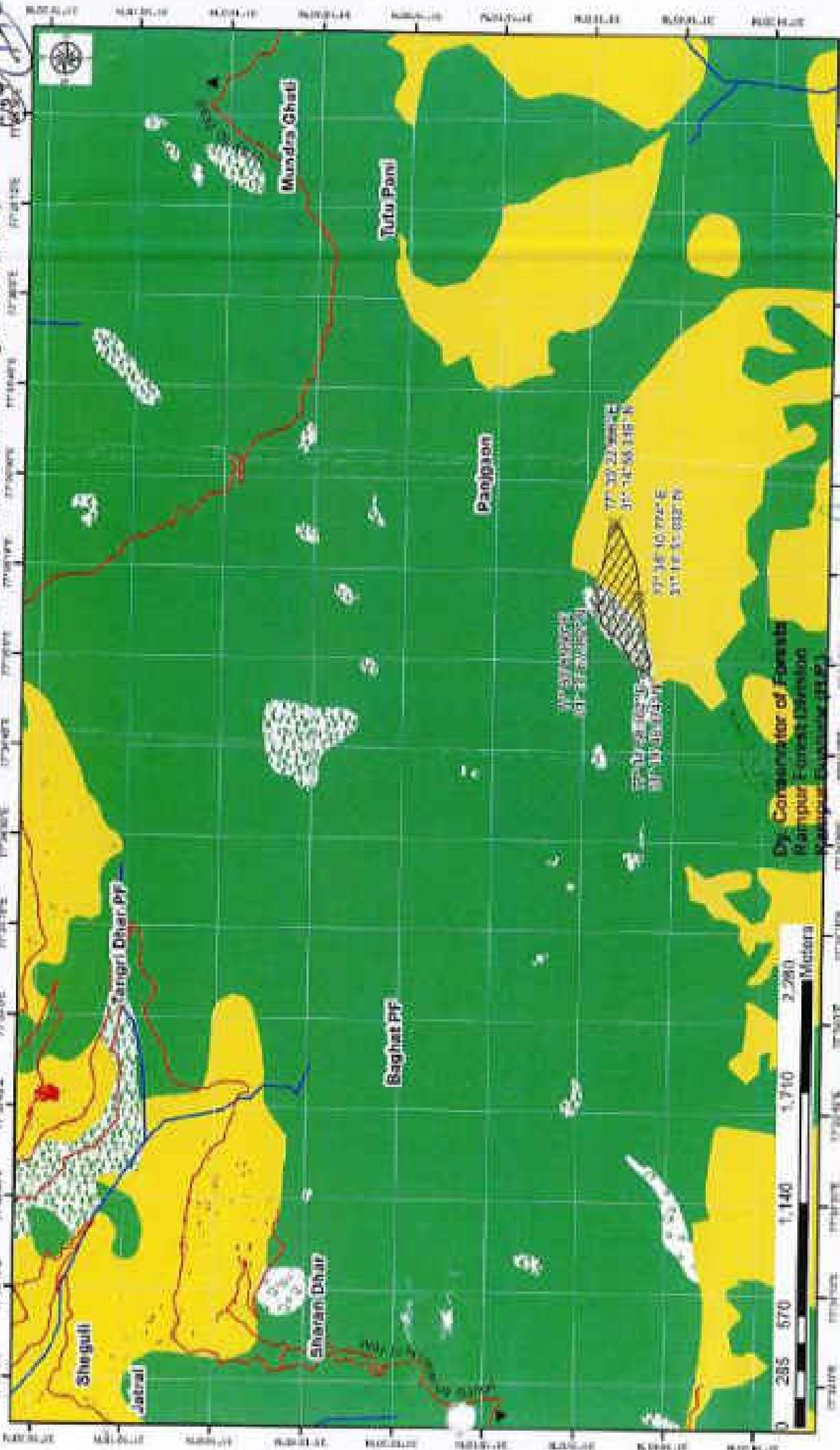
Legend

- Coordinates
- CA Site (Area 10.00 Hect)

Dy. Conservatory of Forests
 Rampur Forest Division
 Rampur Bhushahr (RFP)



Digital Land Use Map of Compensatory Afforestation Site at Adelu (Area 10.00 Hact) D-8 Bhagat Forest Range Rampur, District Shimla-HP
 In respect of SJVN Limited diversion of forest Land for Construction of Left Hand Side of Shimla DMEP



Legend

- CA Site (10.00 Hact)
- Existing road
- Footpaths
- Building
- Plantation
- Green Cover
- Shrub
- Agricultural Land
- Open Land/Waste Land
- Drainage

Dr. P. L. Negi
 Geographical Officer
 SJVN Limited, Shimla

13/2/2020

Full title of the project: Cio Sunni Dam HEP (382 MW)
File No.:
Date of proposal:

CHECK LIST SERIAL NUMBER-20

LAND SUITABILITY CERTIFICATE BY DFO CONCERNED.

This is to certify that 67 ha. land bearing Survey Sheet No. H43F14 & H43F11 near village Batuna Tehsil Rampur and Nagaini, Bhugat, Gahan & Chan Tehsil Nankhari, District Shimla identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free all sort of encumbrances and encroachments.

Dated 13/2/2020

Place Rampur



(Arvind Kumar), IFS
Dy. Conservator of Forests,
Rampur Forest Division,
Rampur Bushahr.
Dy. Conservator of Forests
Rampur Forest Division
Rampur Bushahr (H.P.)



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



Full Title of the Project: Diversion of 397.16-92 ha. of forest land in favour of Luhri Hydro Electric Project, SJVN Ltd. for the construction of Suni Dam Project HEP in Shimla, Kotgarh & Karsog Forest Division Distt. Shimla & Mandi.

File No. : _____

Date of Proposal: _____

CHECKLIST SERIALNUMBER: 18
"SCHEMEOFOR COMPENSATORYAFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of the proposal for diversion of 397.16-92 ha. forest land for construction of Suni Dam IN DISTT. Shimla & Mandi HP.

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

District: Simour Village: Jadol Taprol, Kumrahalla, Serwa, Mattal, Ghotari, Sathar, Dudhra, Jimidhar, Teer Ganoh, Rawata (Habban Range, Mehiana, Drabli, Basech (Narag Range) and Ghirad Sandral, Karyta, Nal (Sarahan Range).

Tehsil: Rajgarh/ Pachhad.

Name of Forest Division: Rajgarh, Ranges: Habban, Narag & Sarahan

Block/Compartment/Survey No.: Habban, Thandidhar, Bakhog, Wasni, Narag & Ghimri

Block/ RF Khabbur C5 = 10 ha., RF Dol C3b = 10 ha., RF Dol C1 = 10 ha, RF Shalogni C1b, c= 10 ha., RF Ghotari C5b = 10 ha., RF Mehiana C2= 10 ha., RF Unchakot C7= 10 ha., UF Ghirad Sandral C1=20 ha., UF Bara Chakli = 15 ha.

Area to be afforested: 105 ha.

2. Description of the Area:

I) Whether the site selected for Compensatory Afforestation is a land bank or not:- No-

II) If the CA site is other than the land bank, reasons be given: Land bank for the division not yet finalize.

III) In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: -No-

IV) Soil type: looping to sandy loam.

V) Topography:

(a)Hilly/Undulating/Plain : Hilly
(b)Slope: Steep / Medium/ Gentle : Medium


R.L. Negi
GM/Head of Project
SJVN, LITEP, Bihari

VI) Whether the area is bearing any root stock of vegetation:--Nil-

3. **Plantation Model:-**

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

4. **Schedule of plantation programme: -**

Detail of year wise break up of requirements of funds is enclosed.

5. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

a	General Details	CA to be carried in selected degraded forest area.
b	Spacing	3 mtrs. x 3mtrs.
c	Species	Deodar, Sen, Ritha, Kachnar, Daru, Amla.
d	Plantation Method	By pit digging and planting.
e	Soil and Moisture Conservation Works	As per site requirement (Check dam and check wall etc.)
f	Protection (Fencing, Watch man, People's Participation etc.)	B. /wire fencing with RCC posts.
g	Proposed Monitoring Mechanism	Frequent inspection of area Forest Officer.
h	Any other information:-	Nil.

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

Divisional Forest Officer
Raigarh Forest Divn
Raigarh

20/10

COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 10 Ha. (in respect of Rajgarh Forest Division against Surti Dam) IN LIEU OF FOREST LAND DIVERTED 397.15-92 HA. FOR THE CONSTRUCTION OF Surti Dam HEP on Saurashtra river within the jurisdiction of Shimla, Kotgarh and Kansag FOREST DIVISION.

Name of Forest Land Diverted		Area of land diverted		Name of Land Bank where CA is intended	
				RF Khabbar C5	
Area of Compensatory Afforestation against Surti Dam Project		10.00			
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	Total amount (Rs.)
1	Compensatory Afforestation (1100 Plants /ha.) with RCC 4 Strands Barbed wire fencing	Fencing	10	35900	359000
2		Planting	10	37700	377000
		Total	10	73600	736000
		Norm Per Ha 73600/- per ha.			
		Maintenance			
		1st Year Maintenance	10	7600	76000
		2nd Year Maintenance	10	5100	51000
		3rd Year Maintenance	10	+ 2700	27000
		4th Year Maintenance	10	2700	27000
		5th Year Maintenance	10	2700	27000
		6th Year Maintenance	10	2700	27000
		7th Year Maintenance	10	2700	27000
		8th Year Maint.	10	2700	27000
		9th Year Maint.	10	2700	27000
		10th year Maint.	10	2700	27000
		Total 10 Year Maint.			343000
		Abstract of Compensatory Afforestation Scheme			
		work	Ha.	Norm	Total Amt.
		New Plantation	10	73600	736000
		1st Year Maintenance	10	8150	81500
		2nd Year Maintenance	10	5500	55000
		3rd Year Maintenance	10	2800	28000
		4th Year Maintenance	10	2800	28000
		5th Year Maintenance	10	2800	28000
		6th Year Maintenance	10	2800	28000
		7th Year Maintenance	10	2800	28000
		8 th	10	2800	28000
		9 th	10	2800	28000
		10 th	10	2800	28000
		Total Plantation /Maint.			1095500
		Add 15% Contingency Charges			164325
		Total:			1260825
		Add 17.5% departmental charges			220671
		G. Total:			1481496
		Or Say:			1481700

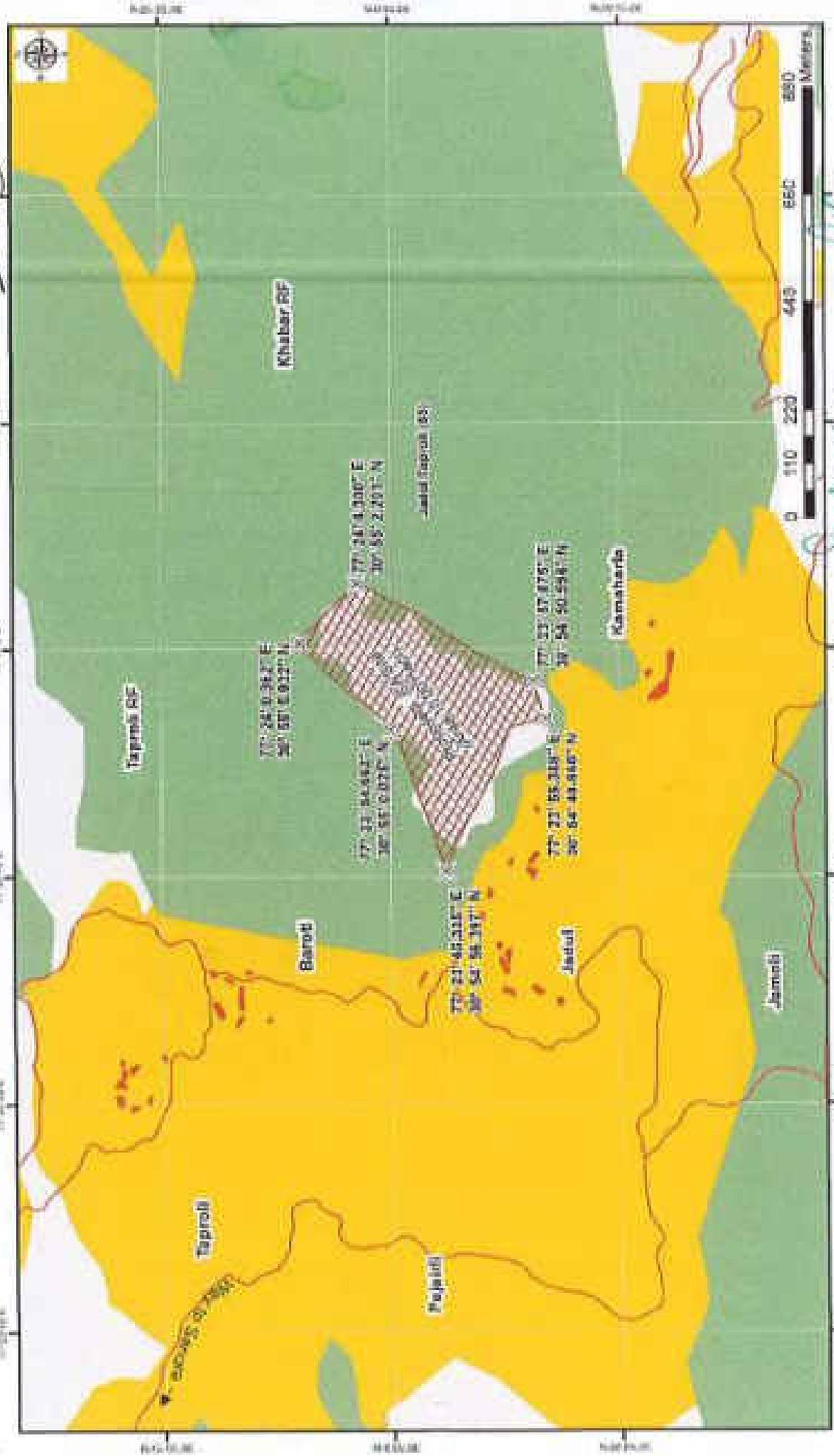
Er. R.L. Negi
CGM/Head of Project
SJVN, LHEP, Bithal

Deputy Commissioner of Forests
Rajgarh Forest Division,
Rajgarh.

Digital Land Use Map of Compensatory Afforestation Site at RF Khabhar (Area 10.00 Hect) Habban Forest Range, District Simmqr, HP
 In respect of SJVN Limited division of forest land for Construction of Sunni Dam HEP



2/0
 2/0
 2/0



Legend:

- Proposed CA Site (10.00 Hect)
- Existing Road
- Footpath
- Bulup
- Plantation
- Green Cover
- Stump
- Open Land/Waste Land
- Dry River Bed
- Bridge
- Desilting

Scale: 0 110 220 330 440 550 660 Meters

North Arrow

Prepared by: E.O.L. Negi
 GGM/Head of Project

Checked by: Kishan S. Singh
 GGM/Head of Project

Approved by: [Signature]

Senior Manager: [Signature]
 E.O.L. Negi
 SJVN Ltd. Simmqr

Digital Toposheet Map of Compensatory Afforestation Site at RF Khabhar (Area 10.00 Hect) Habban Forest Range, District Simmour, HP
 in respect of SJVN Limited diversion of forest land for construction of Sann Dam HEP



Legend

- Coordinates
- CA Site (Area 10.00 Hect)

Scale: 1:50,000
 0 100 200 300 400 500 600 700 800 Meters

Project: **SJVN**

Divisional Forest Officer
 Forest Division

GGM/Head of Project
 SJVN, LHEP, Bimal

213

COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 10 ha. (in respect of Rajgarh Forest Division against Suni Dam) IN LIEU OF FOREST LAND DIVERTED 397.16-92 HA. FOR THE CONSTRUCTION OF Suni Dam HEP on Satluj river within the jurisdiction of Shimla, Kotgarh and Karsog FOREST DIVISION.

		Area of land diverted		RF Shalogni C1b	
		Name of Land Bank where CA is intended		10.00	
		Area of Compensatory Afforestation		10.00	
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	Total amount (Rs.)
1	Compensatory Afforestation (1100 Parts /ha.) with RCC 4 Stands Barbed wire fencing	Fencing	10	35000	350000
2		Planting	10	37000	370000
		Total	10	73600	736000
		Norm Per Ha 73600/- per ha			
		Maintenance			
		1st Year Maintenance	10	7000	70000
		2nd Year Maintenance	10	5100	51000
		3rd Year Maintenance	10	2700	27000
		4th Year Maintenance	10	2700	27000
		5th Year Maintenance	10	2700	27000
		6th Year Maintenance	10	2700	27000
		7th Year Maintenance	10	2700	27000
		8th Year Maint.	10	2700	27000
		9th Year Maint.	10	2700	27000
		10th year Maint.	10	2700	27000
		Total 10 Year Maint.			343000
	Abstract of Compensatory Afforestation Scheme				
	work	Ha.	Norm	Total Amt.	
	New Plantation	10	73600	736000	
	1st Year Maintenance	10	7000	70000	
	2nd Year Maintenance	10	5100	51000	
	3rd Year Maintenance	10	2700	27000	
	4th Year Maintenance	10	2700	27000	
	5th Year Maintenance	10	2700	27000	
	6th Year Maintenance	10	2700	27000	
	7th Year Maintenance	10	2700	27000	
	8th Year Maint.	10	2700	27000	
	9th Year Maint.	10	2700	27000	
	10th year Maint.	10	2700	27000	
	Total Plantation /Maint.			1079000	
	Add 15% Contingency Charges			161850	
	Total:			1240850	
	Add 17.5% departments charges			217149	
	G. Total			1457999	
	Or Say:			1458000	

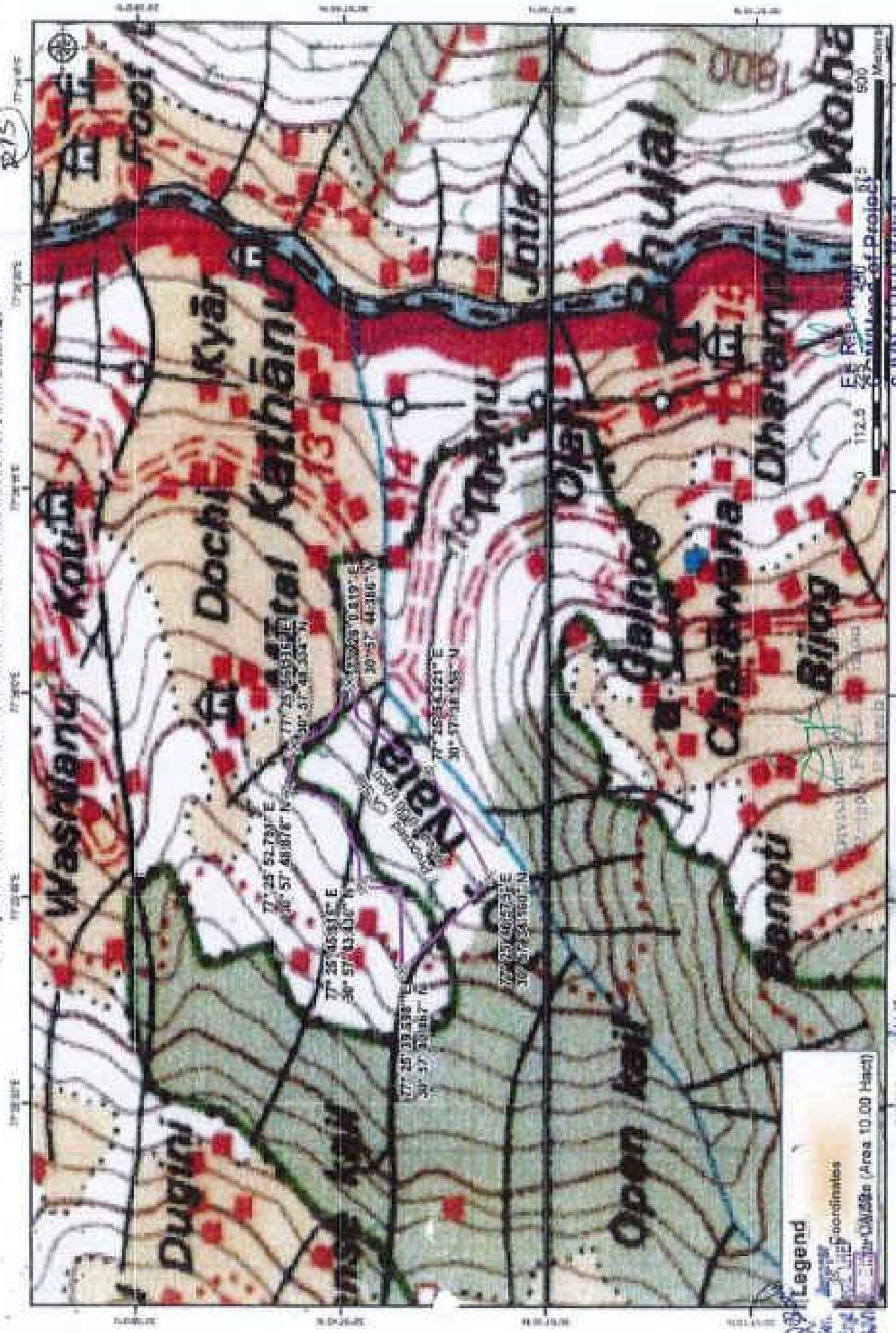
Er. R.L. Nogi
CGM/Head of Project
SJVN, LIHEP, Bithal

Deputy Commissioner of Forests
Rajgarh Forest Division,
Rajgarh

Digital Toposheet Map of Compensatory Afforestation Site at RF Ghotari C5b (Area 10.00 Hact) Habban Forest Range, District Sirmour, HP

In respect of S.JVN Limited diversion of forest Land for Construction of Sunni Dam HEP

215



213
216

COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 20 Ha. (In respect of Rajgarh Forest Division against Sunil Dam) IN LIEU OF FOREST LAND DIVERTED 397.16-82 HA. FOR THE CONSTRUCTION OF Sunil Dam HEP on Satluj river within the jurisdiction of Shimla, Kotgarh and Karsog FOREST DIVISION.

Name of Forest Land Diverted		Area of land diverted		Name of Land Bank where CA is intended		UF Chirad Santral C1	
Area of Compensatory Afforestation		20.00					
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	Total amount (Rs.)		
1	Compensatory Afforestation (1100 Plants /Ha.) with RCC 4 Stands Barbed wire fencing	Facing	20	35900	718000		
2		Planting	20	37200	754000		
		Total	20	73600	1472000		
		Norm Par Ha 73600/- per ha.					
		Maintenance					
		1st Year Maintenance	20	7600	152000		
		2nd Year Maintenance	20	5100	102000		
		3rd Year Maintenance	20	2700	54000		
		4th Year Maintenance	20	2700	54000		
		5th Year Maintenance	20	2700	54000		
		6th Year Maintenance	20	2700	54000		
		7th Year Maintenance	20	2700	54000		
		8th Year Maint.	20	2700	54000		
		9th Year Maint.	20	2700	54000		
		10th year Maint.	20	2700	54000		
		Total 10 Year Maint.			540000		
	Abstract of Compensatory Afforestation Scheme						
	work	Ha.	Norm	Total amt.			
	New Plantation	20	73600	1472000			
	1st Year Maintenance	20	7600	152000			
	2nd Year Maintenance	20	5100	102000			
	3rd Year Maintenance	20	2700	54000			
	4th Year Maintenance	20	2700	54000			
	5th Year Maintenance	20	2700	54000			
	6th Year Maintenance	20	2700	54000			
	7th Year Maintenance	20	2700	54000			
	8 th	20	2700	54000			
	9 th	20	2700	54000			
	10 th	20	2700	54000			
	Total Plantation /Maint.			2156000			
	Add 15% Contingency Charges			323700			
			Total:	2481700			
	Add 17.5% departmental charges			434298			
			G. Total:	2915998			
			Or Say:	2916000			

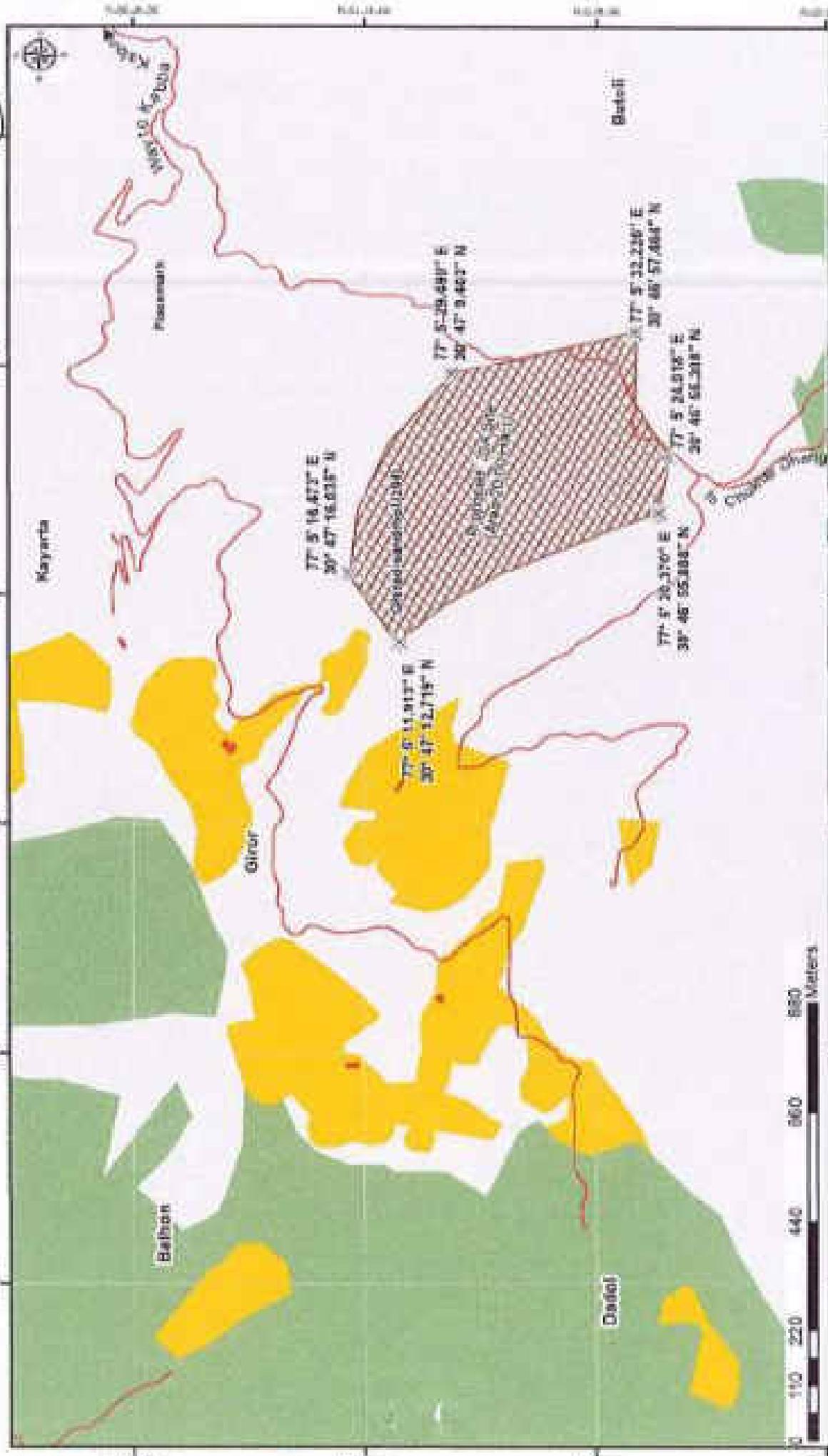
Deputy Director of Forests
Rajgarh Forest Division,
Rajgarh.


Er. R.L. Negi
CGM/Head of Project
SJV, HEP, Binal

Digital Land Use Map of Compensatory Afforestation Site at UF Ghirad Sandrol C1 (Area 20.00 Hect) Sarahan Forest Range, District Sirmour, HP

In respect of SJVN Limited division of forest land for construction of Sunil Dam HEP



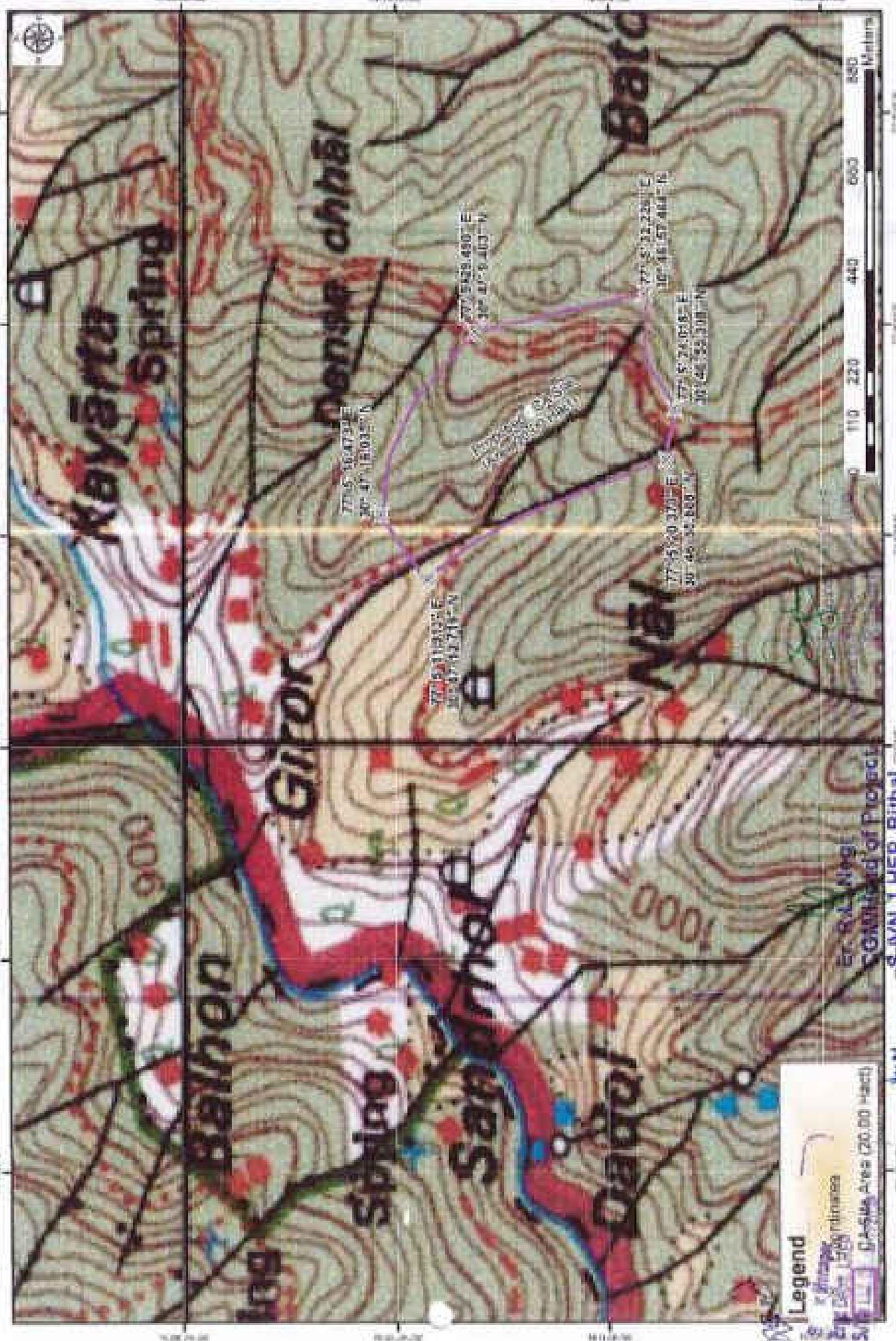
Legend

- Proposed C.A Site (20.00 Hect)
- Footpath
- Coaching Road
- Plantation
- Open Land/Waste Land
- Green Cover
- Drainage
- Suitup
- Dry River Bed
- Agricultural Land
- Shrub
- Bridge

Divisional Forest Officer
Rajesh Kumar Dhillon
 Sr. R.L. Negi
 GGM/Head of Project
 SJVN, CHEP, Bathoh

(Handwritten signatures and notes)

Digital Toposheet Map of Compensatory Afforestation Site at UF Ghired Sandrol C-1 (Area 20.00 Hact) Sarahan Forest Range, District Sirmour, HP
 In respect of SJVN Limited diversion of forest Land for Construction of Sumi Dam HEP



Legend
 Change
 Area (20.00 Hact)
 Project Area (20.00 Hact)

-SJVN, LHEP, Bithal

Scale

0 110 220 330 440 550 660 770 880 Meters

0 110 220 330 440 550 660 770 880 Meters

270
219

COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 10 ha. (In respect of Rajgarh Forest Division against Sunri Dam) IN LIEW OF FOREST LAND DIVERTED 397.14-92. HA. FOR THE CONSTRUCTION OF Sunri Dam HEP on Salsu river within the jurisdiction of Shimla, Kotgarh and Karnog FOREST DIVISION.

Name of Forest Land Diverted		Area of land diverted		Name of Land Bank where CA is intended		RF Unachakot GT	
Area of Compensatory Afforestation		10.00					
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	Total amount (Rs.)		
1	Compensatory Afforestation (1100 Plants /Ha.) with RCC 4 Stands Barbed wire fencing	Fencing	10	35900	359000		
2		Planting	10	37000	370000		
		Total	10	73600	736000		
		Norm Per Ha.73600/- per ha.					
		Maintenance					
		1st Year Maintenance	10	7600	76000		
		2nd Year Maintenance	10	5100	51000		
		3rd Year Maintenance	10	2700	27000		
		4th Year Maintenance	10	2700	27000		
		5th Year Maintenance	10	2700	27000		
		6th Year Maintenance	10	2700	27000		
		7th Year Maintenance	10	2700	27000		
		8th Year Maint.	10	2700	27000		
		9th Year Maint.	10	2700	27000		
		10th year Maint.	10	2700	27000		
		Total 10 Year Maint.			342000		
	Abstract of Compensatory Afforestation Scheme						
	work	Ha.	Norm	Total Amt.			
	New Plantation	10	73600	736000			
	1st Year Maintenance	10	7600	76000			
	2nd Year Maintenance	10	5100	51000			
	3rd Year Maintenance	10	2700	27000			
	4th Year Maintenance	10	2700	27000			
	5th Year Maintenance	10	2700	27000			
	6th Year Maintenance	10	2700	27000			
	7th Year Maintenance	10	2700	27000			
	8 th	10	2700	27000			
	9 th	10	2700	27000			
	10 th	10	2700	27000			
	Total Plantation /Maint.			1079000			
	Add 15% Contingency Charges			161850			
				Total:			
				1240850			
	Add 17.5% departmental charges			217148			
				G. Total:			
				1457998			
				Or Say:			
				1458000			

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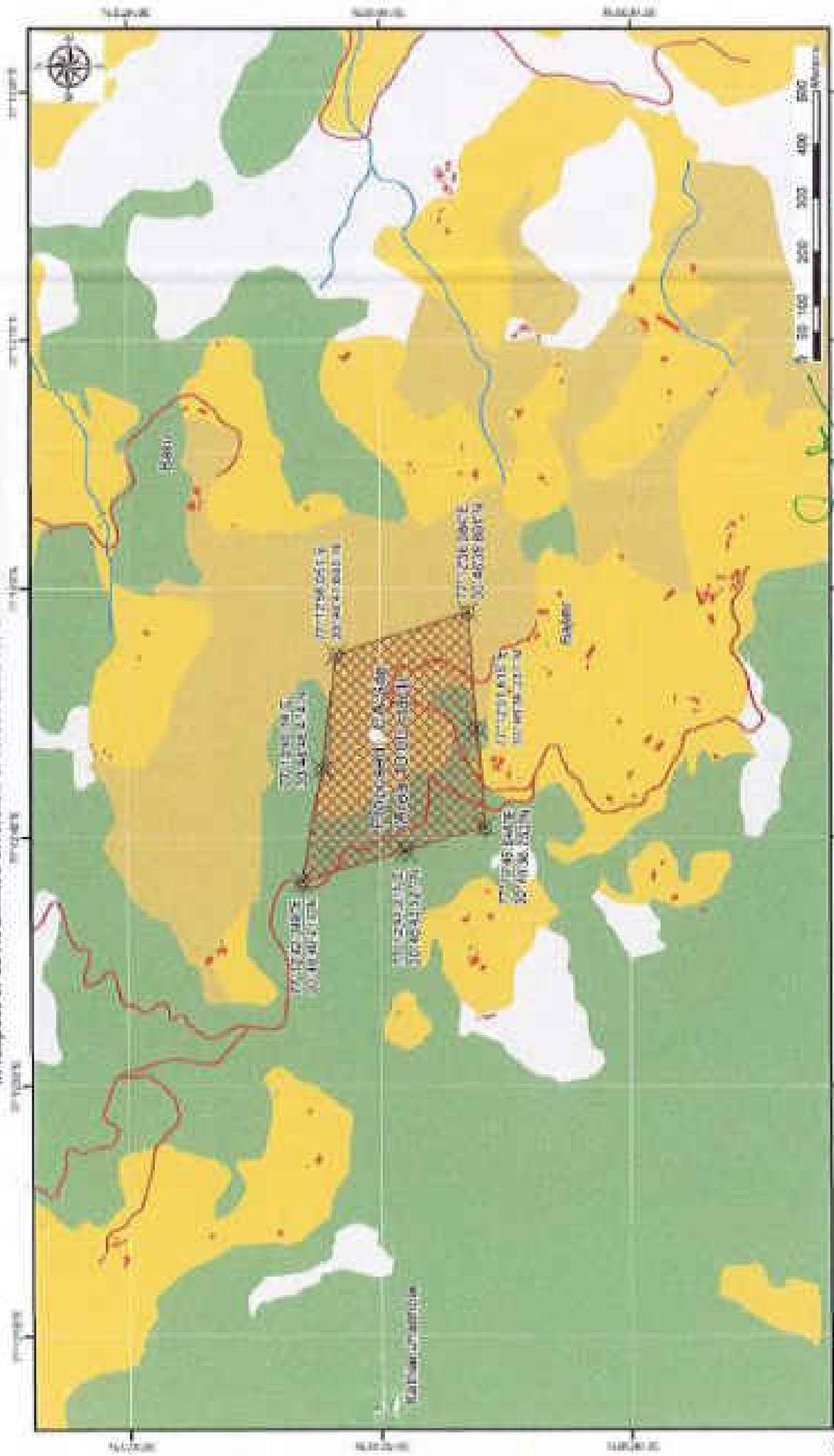
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Er. R.L. Negi
CGM/Head of Project
SJVN, LHEP, Bilhal

[Signature]
Deputy Conservator of Forests
Rajgarh Forest Division,
Rajgarh.

Digital Land Use Map of Compensatory Afforestation Site at RF Unchakot C-7 Area 10.00 Hact
Forest Range Narag, District Sirmour, HP

In respect of SJVN Limited diversion of forest land for construction of Sunil Dam HEP



Legend

- Proposed CA size (37.00 Hact)
- Green Cover
- Open Land/Waste Land
- Buildup
- Shrub
- Drainage
- Plantation
- Agricultural Land
- Existing Road

Division of Forest Survey
 Rajpura Forest Division
 Er. R. Negi
 CSM Head of Project
 S.JVN, LHEP, Bithal

277

236

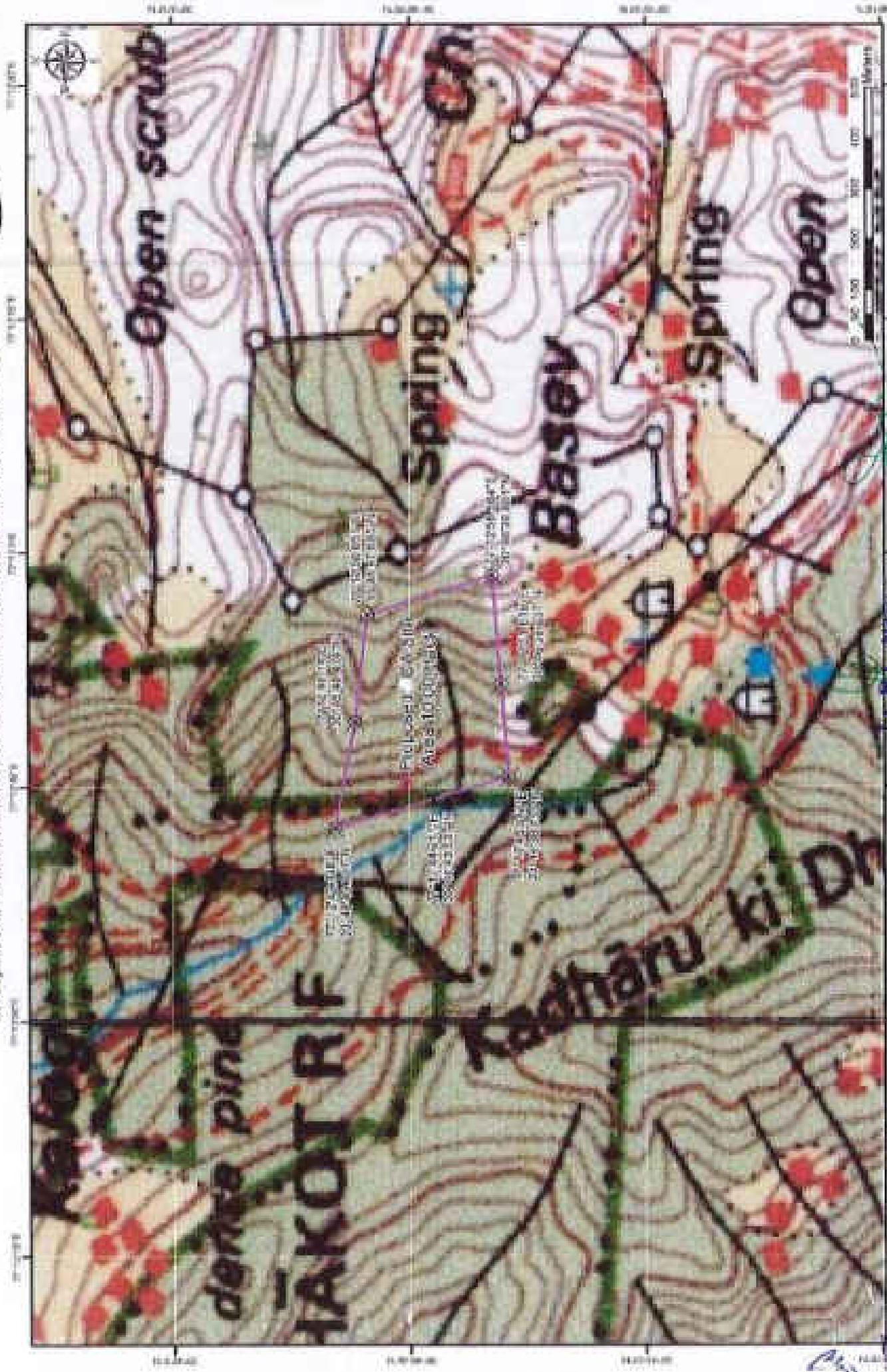
277
 236
 236
 236

Digital Toposheet Map of Compensatory Afforestation Site at RF Unchakot C-7 Area 10.00 Hact

Forest Range Narag, District Sirmour, HP

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

(231)



Scale: 1:50,000
Meters
0 100 200 300 400 500 600 700 800 900 1000
CGM/Head of Project
S. N. Singh
District Forest Officer
Narag Forest Division
Sirmour District
H.P.

219
532

COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 15.30 ha. (In respect of Rajgarh Forest Division against Sunni Dam) IN LIEU OF FOREST LAND DIVERTED 397.14-82 HA. FOR THE CONSTRUCTION OF Sunni Dam HEP on Satluj river within the jurisdiction of Shigra, Kotgarh and Karnog FOREST DIVISION.

Name of Forest Land Diverted		Area of land diverted		Name of Land Bank where CA is intended		UF Ears Chadi C7	
Area of Compensatory Afforestation		15.00					
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	Total amount (Rs.)		
1	Compensatory Afforestation (1100 Plants /Ha.) with ECC 4 Stands Barbed wire fencing	Fencing	15	35500	538500		
2		Planting	15	37700	565500		
		Total	15	73600	1104000		
		Norm Per Ha. 73600/- per ha.					
		Maintenance					
		1st Year Maintenance	15	7600	114000		
		2nd Year Maintenance	15	5100	76500		
		3rd Year Maintenance	15	2700	40500		
		4th Year Maintenance	15	2700	40500		
		5th Year Maintenance	15	2700	40500		
		6th Year Maintenance	15	2700	40500		
		7th Year Maintenance	15	2700	40500		
		8th Year Maint.	15	2700	40500		
		9th Year Maint.	15	2700	40500		
		10th year Maint.	15	2700	40500		
		Total 10 Year Maint.					514500
		Abstract of Compensatory Afforestation Scheme					
		work	Ha.	Norm.	Total Amt.		
		New Plantation	15	73600	1104000		
		1st Year Maintenance	15	7600	114000		
		2nd Year Maintenance	15	5100	76500		
		3rd Year Maintenance	15	2700	40500		
		4th Year Maintenance	15	2700	40500		
		5th Year Maintenance	15	2700	40500		
		6th Year Maintenance	15	2700	40500		
		7th Year Maintenance	15	2700	40500		
		8 th	15	2700	40500		
		9 th	15	2700	40500		
		10 th	15	2700	40500		
		Total Plantation /Maint.					1618600
		Add 15% Contingency Charges					242775
		Total:					1861275
		Add 17.5% departmental charges					326723
		G. Total:					2188998
		Or Say:					2187000

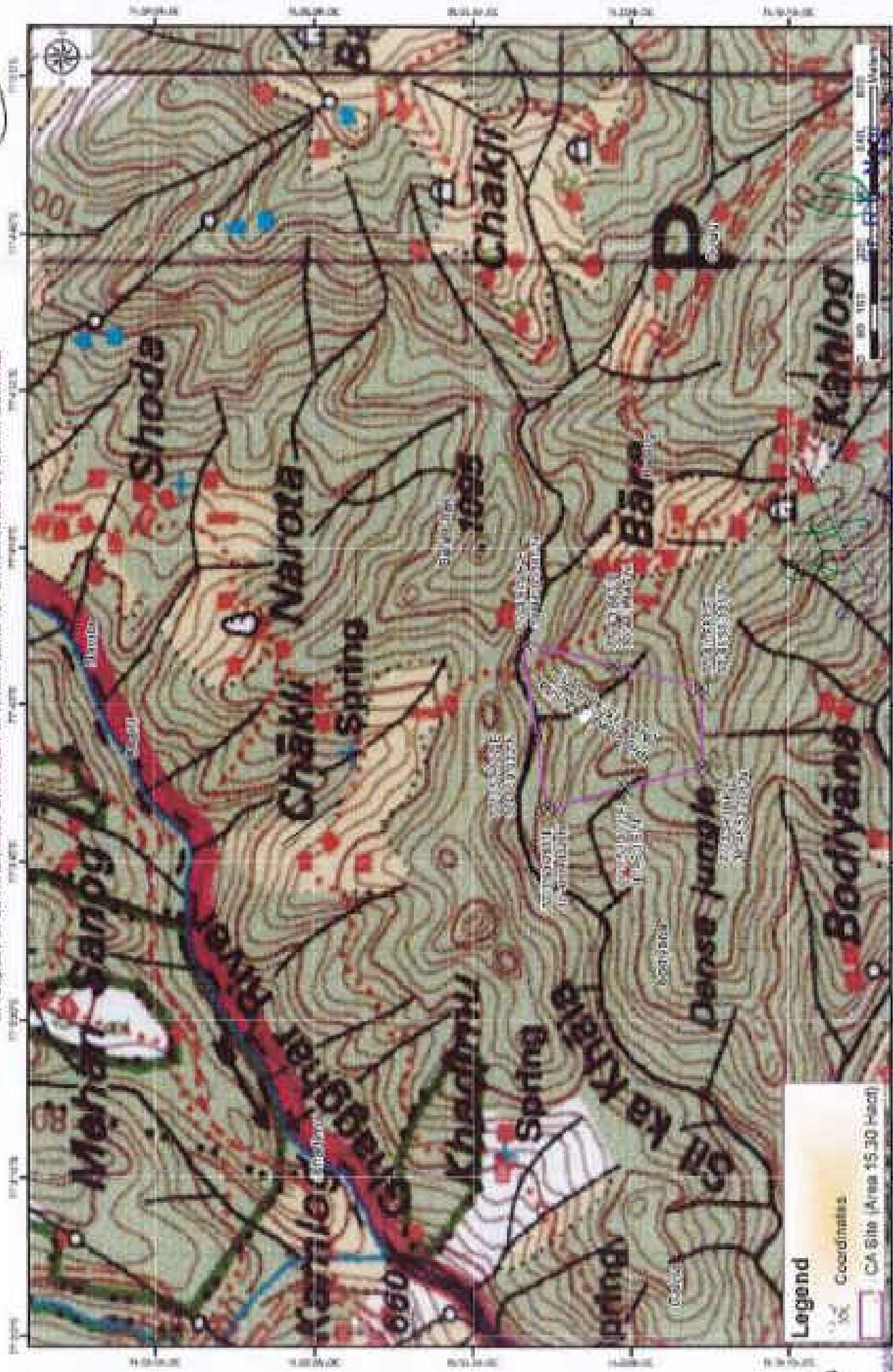
Er. R.L. Negi
CGM/Head of Project
SJVN, LHEP, Bithal

Deputy Commissioner of Forests
Rajgarh Forest Division,
Rajgarh

Digital Toposheet Map of Compensatory Afforestation Site at UF Bara chakli C7 15.30 Hact
Forest Range Sarahan, District Sirmour, HP

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

(224)



Legend

- Coordinate
- CA Site (Area 15.30 Hact)

Scale: 1:50,000
 Prepared by: [Signature]
 Date: [Date]
 Checked by: [Signature]
 Date: [Date]
 Approved by: [Signature]
 Date: [Date]

225

COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 10.00 ha (in respect of Rajgarh Forest Division against Suni Dam) IN LIEU OF FOREST LAND DIVERTED 397.16-92 HA. FOR THE CONSTRUCTION OF Suni Dam HEP on Satluj river within the jurisdiction of Shimla, Kotgarh and Kareeg FOREST DIVISION.

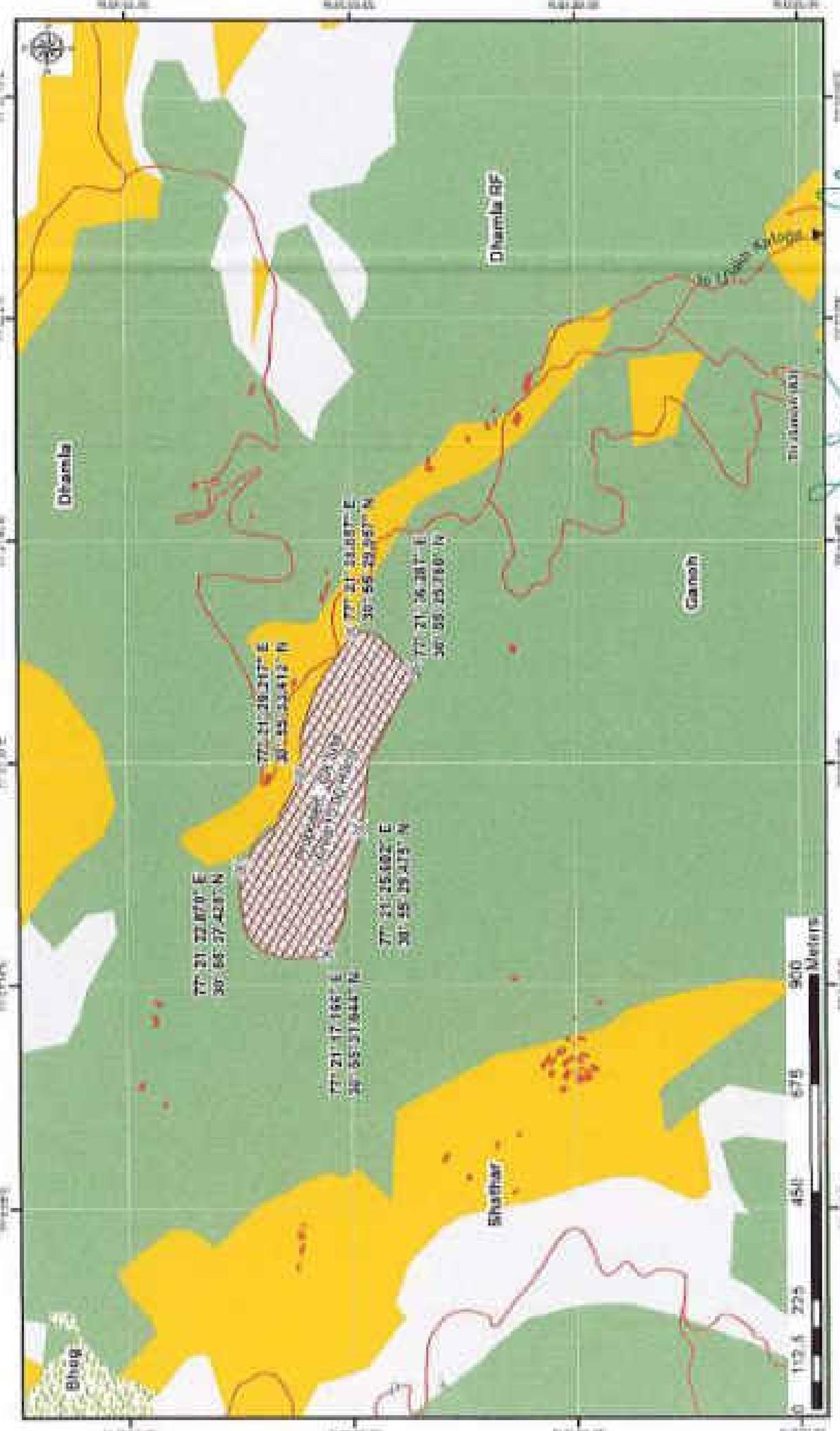
Area of land diverted		Name of Land Bank where CA is intended		RF Div 01	
Area of Compensatory Afforestation		10.00			
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	Total amount (Rs.)
1	Compensatory Afforestation (1100 Plants /Ha.) with RCC 4 Stands Barbed wire fencing	Fencing	10	35000	350000
2		Planting	10	37000	370000
		Total	10	73600	736000
		Norm Per Ha 73600/- per ha.			
		Maintenance			
		1st Year Maintenance	10	7600	76000
		2nd Year Maintenance	10	5100	51000
		3rd Year Maintenance	10	2700	27000
		4th Year Maintenance	10	2700	27000
		5th Year Maintenance	10	2700	27000
		6th Year Maintenance	10	2700	27000
		7th Year Maintenance	10	2700	27000
		8th Year Maint.	10	2700	27000
		9th Year Maint.	10	2700	27000
		10th year Maint.	10	2700	27000
		Total 10 Year Maint.			343000
		Abstract of Compensatory Afforestation Scheme			
		work	Ha.	Norm	Total Amt.
		New Plantation	10	73600	736000
		1st Year Maintenance	10	7600	76000
		2nd Year Maintenance	10	5100	51000
		3rd Year Maintenance	10	2700	27000
		4th Year Maintenance	10	2700	27000
		5th Year Maintenance	10	2700	27000
		6th Year Maintenance	10	2700	27000
		7th Year Maintenance	10	2700	27000
		8 th	10	2700	27000
		9 th	10	2700	27000
		10 th	10	2700	27000
		Total Plantation /Maint.			1579000
		Add 15% Contingency Charges			161850
		Total:			1340850
		Add 17.5% departmental charges			217149
		G. Total:			1457999
		Or Say:			1458000

h
Shimla

Er. P.L. Negi
CGM/Head of Project
SJM, NHEP, Bithur

Deputy Commissioner of Forests
Rajgarh Forest Division,
Rajgarh.

Digital Land Use Map of Compensatory Afforestation Site at RF Dol C1 (Area 10.00 Hect) Habban Forest Range, District Simnour, HP
 in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



Legend

- Proposed CA Site (10.00 Hect)
- Existing Road
- Footpath
- Bulshup
- Riparian
- Open Land/Waste Land
- Forest Land
- Green Cover
- Shrub
- Desage
- Dry River Bed
- Endge

Divisional Forest Officer
 Rajgurunagar Division
 Er. P. Negi
 CGM/Head of Project

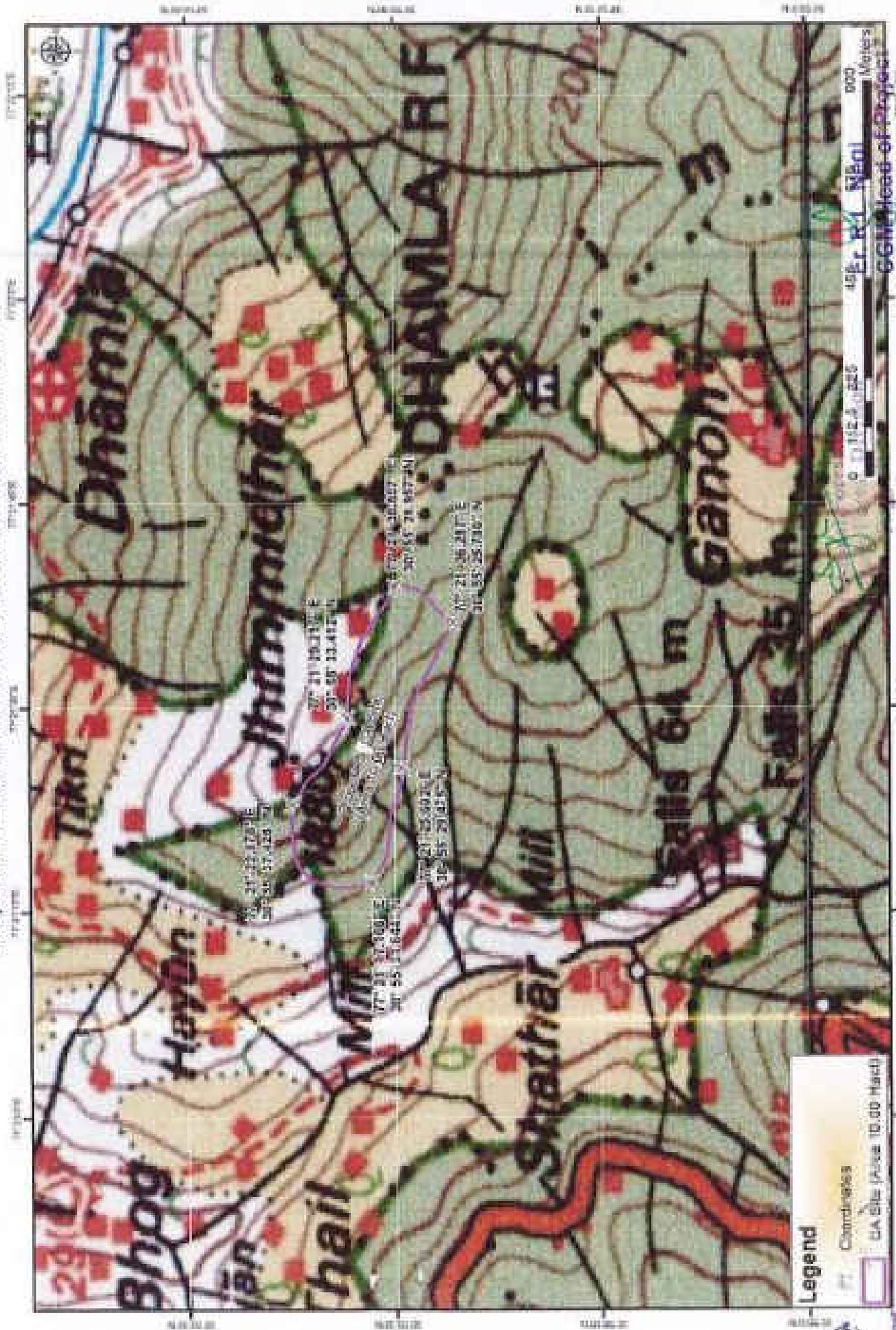
S. J. V. N. Limited
 Er. P. Negi
 CGM/Head of Project



S. J. V. N. Limited
 Er. P. Negi
 CGM/Head of Project

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Digital Toposheet Map of Compensatory Afforestation Site at RF Dol C1 (Area 10.00 Hect) Habban Forest Range, District Simlaur, HP
in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



Legend

- Compensatory Afforestation Site
- CA Site (Area: 10.00 Hect)

Scale: 1:50,000
 0 100 200 300 400 500 Meters
 GGM Head of Project
 SJVN, LHEP, Bilhāl

Sonyal Murali
Eng. Dept. L-29

222 228

COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 10.03 Ha. (in respect of Rajgadh Forest Division against Sunil Dam) IN LIEU OF FOREST LAND DIVERTED 387.16-92 HA. FOR THE CONSTRUCTION OF Sunil Dam HEP on Satluj river within the Jurisdiction of Shimla, Kotgarh and Ransag FOREST DIVISION

Name of Forest Land Diverted		Area of land diverted		Name of Land Bank where CA is intended		RF Mahiana C2	
Area of Compensatory Afforestation		10.00					
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	Total amount (Rs.)		
1	Compensatory Afforestation (1100 Plants /Ha.) with RCC 4 strands Barbed wire fencing	Fencing	10	35000	350000		
2		Planting	10	37000	370000		
		Total	10	73000	730000		
		Norm Per Ha. 73000/- per ha.					
		Maintenance					
		1st Year Maintenance	10	7600	76000		
		2nd Year Maintenance	10	5100	51000		
		3rd Year Maintenance	10	2700	27000		
		4th Year Maintenance	10	2700	27000		
		5th Year Maintenance	10	2700	27000		
		6th Year Maintenance	10	2700	27000		
		7th Year Maintenance	10	2700	27000		
		8th Year Maint.	10	2700	27000		
		9th Year Maint.	10	2700	27000		
		10th year Maint.	10	2700	27000		
		Total 10 Year Maint.			343000		
	Abstract of Compensatory Afforestation Scheme						
	work	Ha.	Norm	Total Amt.			
	New Plantation	10	73000	730000			
	1st Year Maintenance	10	7600	76000			
	2nd Year Maintenance	10	5100	51000			
	3rd Year Maintenance	10	2700	27000			
	4th Year Maintenance	10	2700	27000			
	5th Year Maintenance	10	2700	27000			
	6th Year Maintenance	10	2700	27000			
	7th Year Maintenance	10	2700	27000			
	8 th	10	2700	27000			
	9 th	10	2700	27000			
	10 th	10	2700	27000			
	Total Plantation /Maint.			1079000			
	Add 15% Contingency Charges			161850			
			Total:	1240850			
	Add 17.5% departmental charges			217148			
			G. Total:	1457998			
			Or Say:	1458000			

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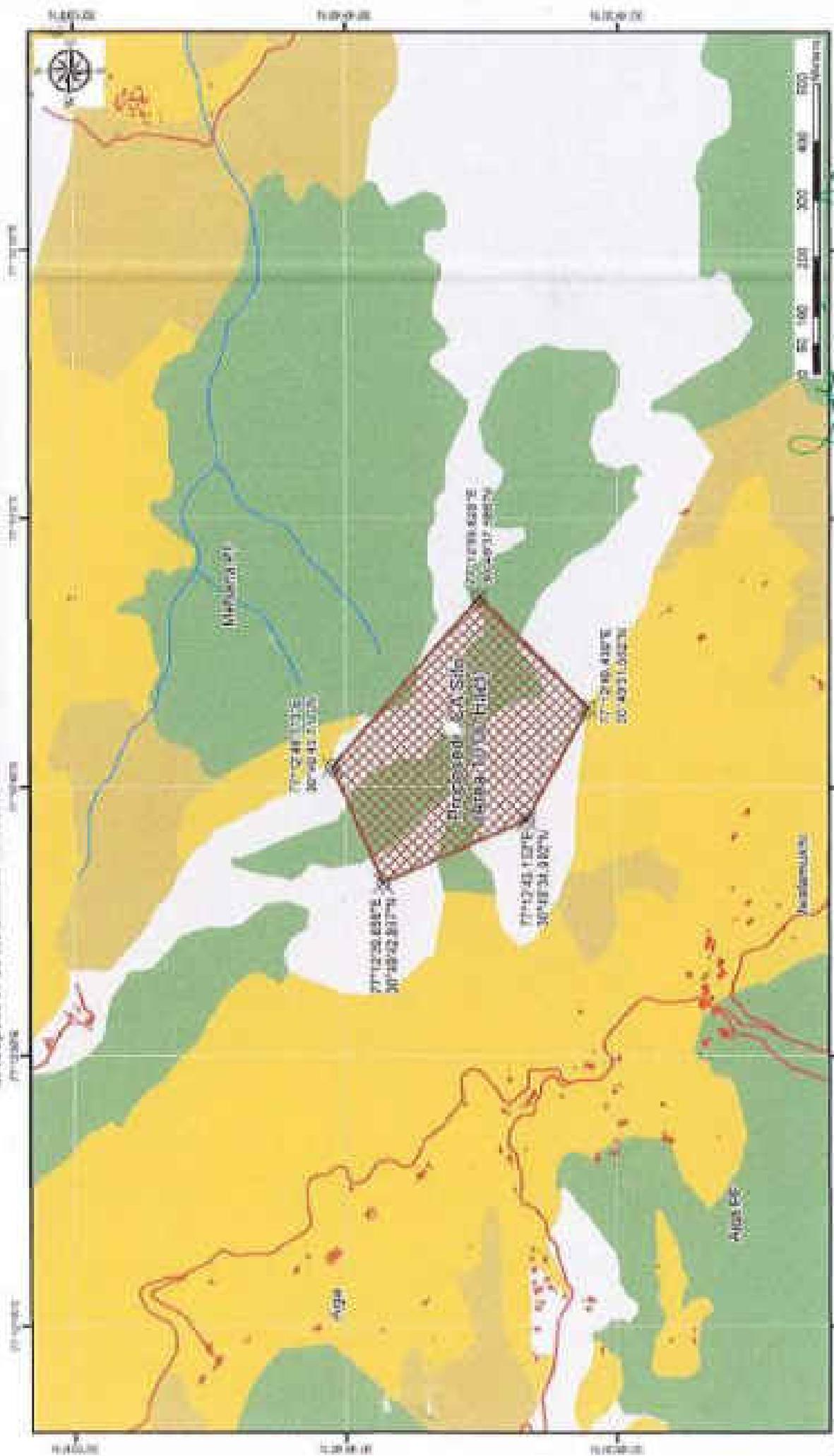
Er. R.L. Negi
CGM/Head of Project
SJVN, IHEP, Bithur

[Signature]
 Deputy Conservator of Forests
 Rajgadh Forest Division,
 Rajgadh

Digital Land Use Map of Compensatory Afforestation Site at RF Mehiana C-2 Part (1) Area 10.00 Hact

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



Legend

- Proposed CA Site (10.00 Hact)
- Cultup
- Agricultural Land
- Green Cover
- Shrub
- Open Land/Waste Land
- Drainage
- Plantation
- Existing Road
- Cable

Rajasthan Forest Division
 Er. R.L. Negi
 CGM Head of Project
 Pali
 2024

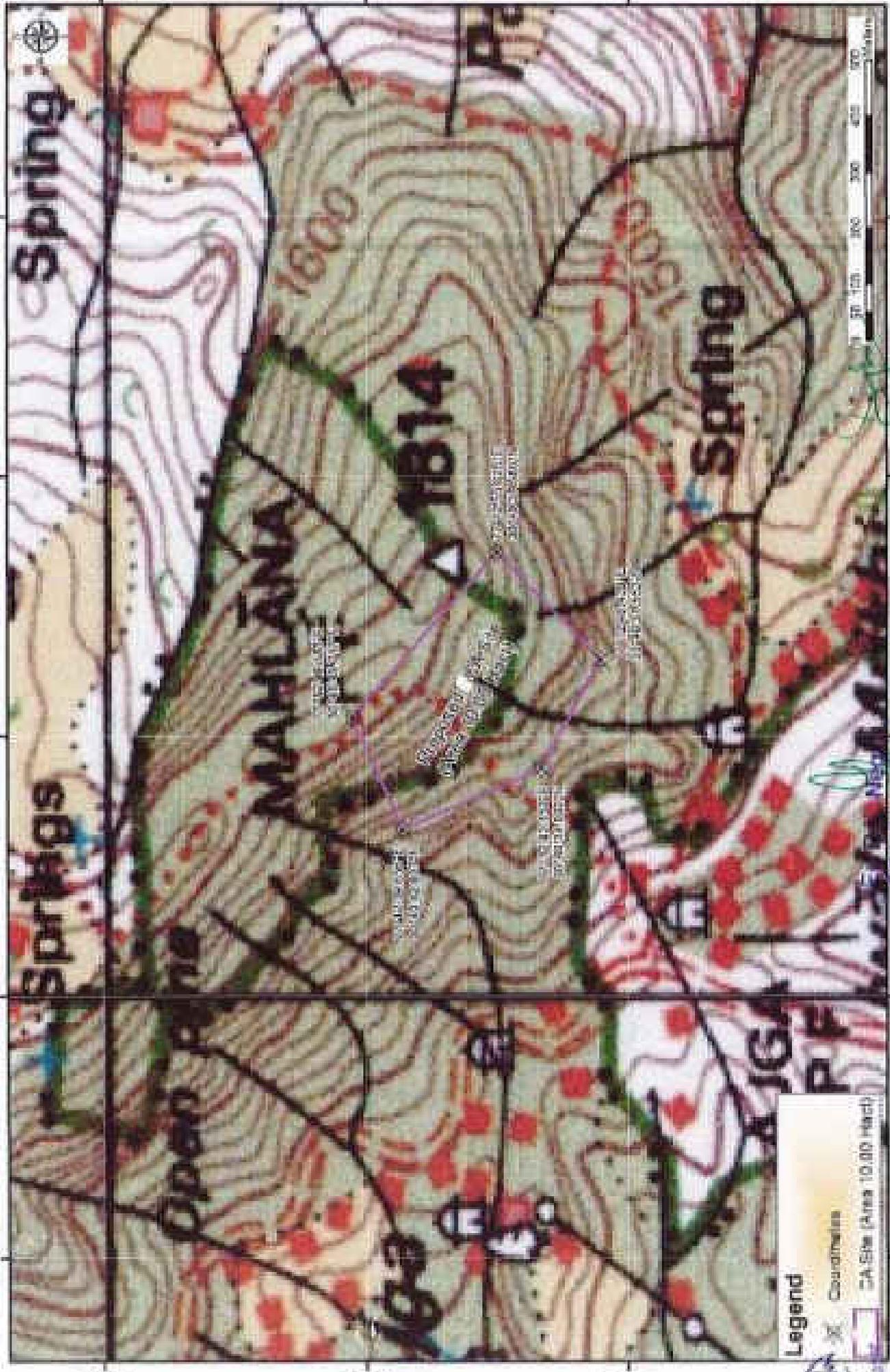
Original

Digital Toposheet Map of Compensatory-Afforestation Site at RF Mehiana C-2 Part (1) Area 10.00 Hact

Forest Range Narag, District Sirmour, HP

in respect of SJVM Limited diversion of forest Land for Construction of Sunn Dam HEP

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Legend

- Coordinates
- CA Site (Area 10.00 Hact)

Forest Range Narag
District Sirmour, HP

CGMI Head of Project
SJVM, LHEP, Bithal

SUNN DAM PROJECT
SJVM LIMITED

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COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 10.00 ha. (in respect of Rajgarh Forest Division against Sunil Dam) IN LIEU OF FOREST LAND DIVERTED 387.16-82 HA. FOR THE CONSTRUCTION OF Sunil Dam HEP on Salfuj river within the jurisdiction of Shimla, Kotgarh and Karsog FOREST DIVISION.

Name of Forest Land Diverted		Area of land diverted		Name of Land Bank where CA is Intended		RF Dal C3b	
Area of Compensatory Afforestation		10.00					
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	Total amount (Rs.)		
1	Compensatory Afforestation (1100 Plants /ha.) with RCC 4 Stands Barbed wire fencing	Fencing	10	35000	350000		
2		Planting	10	37000	370000		
		Total	10	73600	736000		
		Norm Per Ha. 73600/- per ha.					
		Maintenance					
		1st Year Maintenance	10	7600	76000		
		2nd Year Maintenance	10	5100	51000		
		3rd Year Maintenance	10	2700	27000		
		4th Year Maintenance	10	2700	27000		
		5th Year Maintenance	10	2700	27000		
		6th Year Maintenance	10	2700	27000		
		7th Year Maintenance	10	2700	27000		
		8th Year Maint.	10	2700	27000		
		9th Year Maint.	10	2700	27000		
		10th year Maint.	10	2700	27000		
		Total 10 Year Maint.			343000		
		Abstract of Compensatory Afforestation Scheme					
		work	Ha.	Norm	Total Amt.		
		New Plantation	10	73600	736000		
		1st Year Maintenance	10	7600	76000		
		2nd Year Maintenance	10	5100	51000		
		3rd Year Maintenance	10	2700	27000		
		4th Year Maintenance	10	2700	27000		
		5th Year Maintenance	10	2700	27000		
		6th Year Maintenance	10	2700	27000		
		7th Year Maintenance	10	2700	27000		
		8 th	10	2700	27000		
		9 th	10	2700	27000		
		10 th	10	2700	27000		
		Total Plantation /Maint.			1073000		
		Add 15% Contingency Charges			161850		
				Total:	1240850		
		Add 17.5% departmental charges			217149		
				G. Total:	1457999		
				Or Say:	1458000		

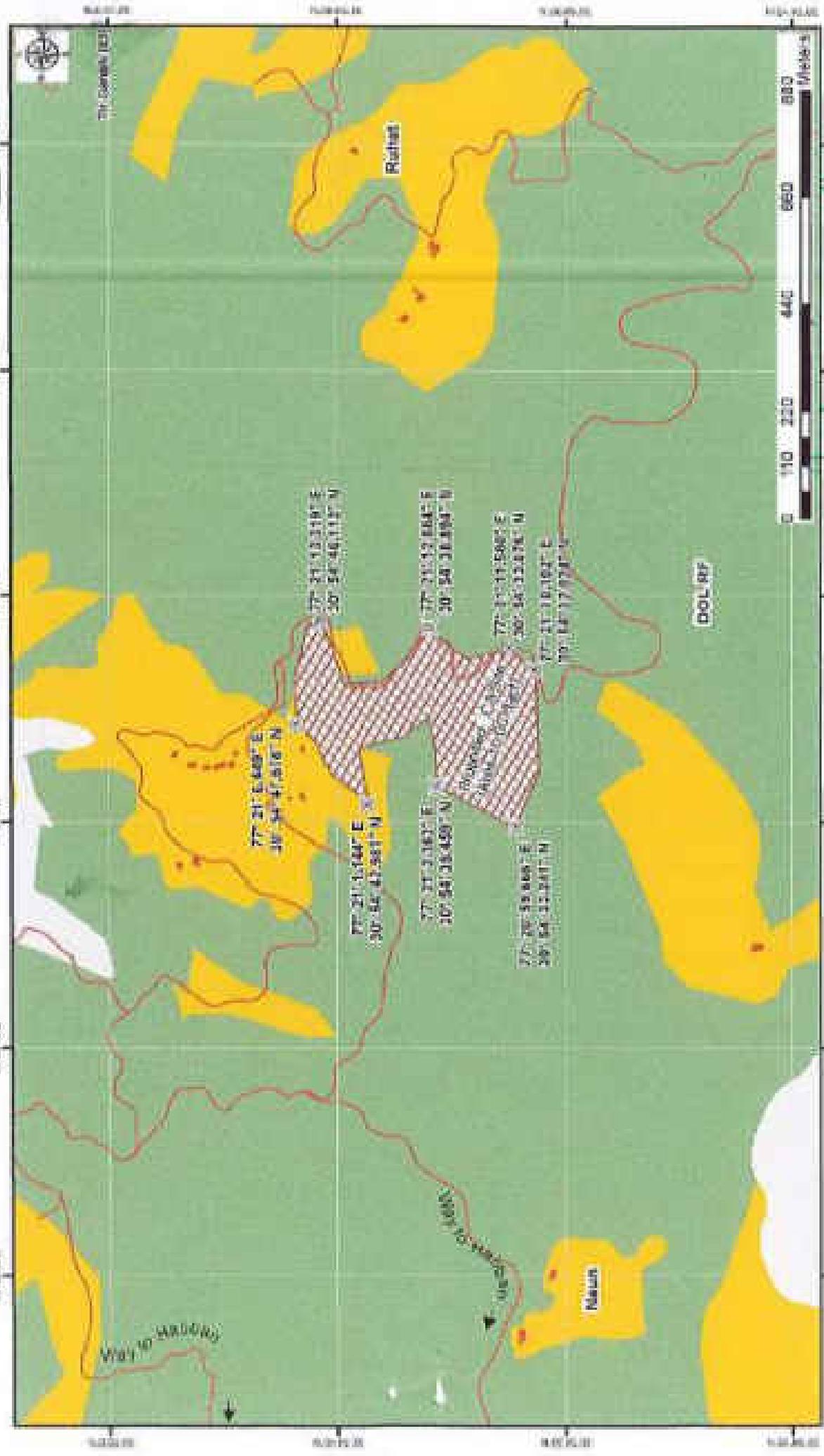
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Er. R.L. Nogi
 GGM/Head of Project
 SJVN, I IEP, BRINJ

[Handwritten signature]
 Deputy Commissioner of Forests
 Rajgarh Forest Division,
 Rajgarh.

Digital Land Use Map of Compensatory Afforestation Site at RF Dol C3b (Area 10.00 Hact) Habban Forest Range, District Simour, HP

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



(Signature)
 Senior Manager
 Eng. Dept. L&D
 SJVN Ltd. Gurgaon, Haryana

(Signature)
 Er. R.L. Negi
 GGM/Head of Project
 SJVN, LHEP, Bhatla

Legend

- Proposed CA Site (10.00 Hact)
- Existing Road
- Footpath
- Rutup
- Plantation
- Green Cover
- Shrub
- Open Land/Waste Land
- Drainage
- Dry River Bed
- Bridge

Er. R.L. Negi
 GGM/Head of Project
 SJVN, LHEP, Bhatla

COST NORM FOR COMPENSATORY AFFORESTATION SCHEME 10 ha. (in respect of Rajgarh Forest Division against Sunil Dam) IN LIEU OF FOREST LAND DIVERTED 387.16-82 HA. FOR THE CONSTRUCTION OF Sunil Dam. HEP on Sutlej river within the jurisdiction of Shimla, Kotgarh and Kangra FOREST DIVISION.

Area of land diverted		Name of Land Bank where CA is intended		RF Ghatar Code	
Area of Compensatory Afforestation		10.00		Total amount (Rs.)	
Sr. No.	Name of Scheme	Name of Component	Quantity in ha.	Rate for non Tribal areas (Rs.)	
1	Compensatory Afforestation (1100 Plants /Ha.) with RCC 4 Stands Barbed wire fencing	Fencing	10	35000	350000
2		Planting	10	37000	370000
		Total	10	736000	736000
		Norm For Ha. 73600/- per ha.			
		Maintenance			
		1st Year Maintenance	10	7000	70000
		2nd Year Maintenance	10	5100	51000
		3rd Year Maintenance	10	2700	27000
		4th Year Maintenance	10	2700	27000
		5th Year Maintenance	10	2700	27000
		6th Year Maintenance	10	2700	27000
		7th Year Maintenance	10	2700	27000
		8th Year Maint.	10	2700	27000
		9th Year Maint.	10	2700	27000
		10th year Maint.	10	2700	27000
		Total 10 Year Maint.			343000
		Abstract of Compensatory Afforestation Scheme			
		work	Ha.	Norm	Total Amt.
		New Plantation	10	73600	736000
		1st Year Maintenance	10	7000	70000
		2nd Year Maintenance	10	5100	51000
		3rd Year Maintenance	10	2700	27000
		4th Year Maintenance	10	2700	27000
		5th Year Maintenance	10	2700	27000
		6th Year Maintenance	10	2700	27000
		7th Year Maintenance	10	2700	27000
		8th Year Maint.	10	2700	27000
		9th Year Maint.	10	2700	27000
		10th year Maint.	10	2700	27000
		Total Plantation /Maint.			1079000
		Add 15% Contingency Charges			161850
		Total:			1240850
		Add 17.5% departmental charges			217148
		G. Total:			1457998
		Or Say:			1458000

1/10

Er. R.L. Nogi
CGM/Head of Project
SJMV, IHEP, Bithal

Deputy Commissioner of Forests
Bhagat Prasad Sharma
Nagpur

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236A

Full Title of the Project: Diversion of 397.16-92 ha. of forest land in favour of Luhri Hydro Electric Project, SJVN Ltd. for the construction of Suni Dam Project HEP in Shimla, Kotgarh & Karsog Forest Division Distt. Shimla & Mandi.

File No. : _____

Date of Proposal: _____

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 397.16-92 ha. forest land for construction of Suni Dam IN DISTT. Shimla & Mandi HP.

Village: Jdol Taprol, Kuncaballa, Serwa, Mattal, Ghotari, Sethar, Dudhria, Jimidhar, Teer Ganoh, Rawata Tehsil Rajgarh. District: Sirmour (Habban Range), Mehiana, Drabli, Basech Tehsil Pachhad Distt. Sirmour (Narag Range) and Ghirad Sandral, Karyta, Nal Tehsil Pachhad Distt. Sirmour (Saraha Range) Forest Division Rajgarh Forest Range:- Habban, Block Thundidhar / Compartment No/Survey No.:- RF Khabbar C5 = 10 ha, Block : Habban . RF Dol C3b = 10 ha. , RF Dol C1 = 10 ha, RF Shalogni C1b, c= 10 ha. , Block Bakhog : RF Ghotari C5b = 10 ha. , Range : Narag, Block Wasni : RF Mehiana C1= 10 ha. , Block Narag : RF Unchakot C7= 10 ha. and Range: Saraha, Block: Ghimi UF Ghirad Sandral C1=20 ha. , UF Bara Chakli = 15 ha. Total CA Area:- 105 ha.

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


Divisional Forest Officer
Rajgarh Forest Division
Rajgarh



Er. R.L. Nogi
CGM/Head of Project
SJVN, LIHP, BRIND

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Full Title of the Project: Diversion of 397.16-92 ha. of forest land in favour of Lohri Hydro Electric Project, SJVN Ltd. for the construction of Suni Dam Project HEP in Shimla, Kotgarh & Karsog Forest Division Distt. Shimla & Mandi.

File No. : _____

Date of Proposal: _____

**CHECK LIST SERIAL NUMBER: 20
LAND SUITABILITY CERTIFICATE BY THE DCF**

This is to certify that 105 ha land bearing RF Khabbar C5, RF Ghotari C5b, RF Shalogni C1b, c, UF Ghirad Sandral C1, RF Unachakot C7, UF Bara Chakli C3, RF Mehlana C1, RF Dol C3b and RF Dol C1 Tehsil. Rajgarh/Pachhad District Sirmour identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view from is free and all sorts of encumbrances and encroachments.

Place... Rajgarh

Date... 06-02-2000


Divisional Forest Officer
Rajgarh Forest Division
Rajgarh


Er. P.L. Negi
CSM/Head of Project
SJVN, LHEP, Bithal




No - 1744

dt - 11-6-18

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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 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 forestland within the jurisdiction of Shimla Forest Division, Shimla District for raising compensatory plantation in lieu of diversion of 391.06.95 hac. Forest land for Construction of Sunni 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

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[Handwritten signature]
Er. R. L. Negi
Head of Project
SJVN, LHEP, Bimal

[Handwritten signature]
Er. R. L. Negi
Head of Project
SJVN, LHEP, Bimal

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Rehabilitation and Resettlement

It is to inform that the process of the preparation of revenue papers is in progress. Thereafter, Project management will apply for the private land acquisition to the State Govt. of Himachal Pradesh. Further, Himachal Govt. will forward the case to its Social Impact Assessment Unit for Social Impact Assessment Study. After completion of the study, Govt. of HP 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 Administrator shall prepare R&R scheme.



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

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. ✓

[Signature]

[Signature]

[Signature]

Head of Project
SJVN, ISEP, Bimal

[Signature]

Er. R. K. Negi
Head of Project
SJVN, ISEP, Bimal

Cost Benefit Analysis for diversion of forest land

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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 eco-system 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 costlier.	Total Forest Land (class-VI) proposed for diversion= 98.1004 (Economic value of fodder production/Ra. In lakhs/year= 391.0695x4314=17,478 Lakhs a)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&I 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.	70% of environmental costs (NPV) due to loss of forests or circle rate of adjoining area in the district should be added as a cost component as possession value of forestland into driver in matrices.	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 outsiders.	The social cost of rehabilitation of outsiders (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&I plan) be worked out as 1.5 times of what outsiders should have earned in two years had he not been ousted.	Homeless PAPs as per R&I Plan=10. Social cost of rehabilitation of outsiders= 10Nos. @ Rs.210/- (minimum Wages) x 30x 24months X 1.5 times = 10x5200x24x 1.5=22,68,000/-	22.680
7	Habitat Fragmentation Cost	With the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity the cost due to fragmentation has been proposed as 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 is taken at present discounted value.	Estimated cost for Compensatory afforestation +NPV+ cost of trees= 2089.00+2813.00+754.00=5756.00 Lakhs	5756.00
			Grand Total	14227.475 Lakhs

Approved

Gen

[Signature]

by

Er. R. C. 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 productively attribute to the specific project	To be quantified & reported in monetary terms avoiding double counting	Net design energy(Annual) -1298.99 GWH Cost of saleable net design energy @5.87 k/Wk (Levelized 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 services obtained in the specific project.	<ol style="list-style-type: none"> 1. 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. 2. Direct benefit to the state (12% free power) for a 90% dependable year with 93% machine efficiency, the project will generate annual revenue from sale of 12% of the production. 3. 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. 4. Adding more employment opportunities and giving boost to economic growth. 5. The project involves an investment of 2911.83 Crores at completion cost. This will directly benefit the entire Indian GDP. So Annual Benefit for first five years= $2911.85/5 = 582.37$ crores/year. This benefit has not been taken into account. However, Increase in economy due to more industrialization and agriculture production (assumed as 100% the cost of saleable design energy)= $65858.793 \times 100\% = 65858.793$ lakhs. 	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. Increase in net benefit not valued.	---
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 employment also	---

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		completion of project. So Average Benefits = 200×40000 (Av. month) $\times 12 = 960$ Lakhs	960.00
Hydroelectric benefits due to Compensatory afforestation	Benefits from such compensatory afforestation accrued over next 50 years realized and discounted to the present value should be included as benefits of compensatory afforestation. The benefits of CA are guideline of the Ministry for NPV estimation rate to be consulted.	Estimated cost for Compensatory afforestation = NPV = cost of tree = $2089.00 - 2913.00 = 754.00 = 5756.00$ Lakhs	5756.00
		Grand Total (Annual Benefits)	138433.586 Lakhs
Accounting Project Life as 50 Years, Hence Benefits for 50 Years = 138433.586×50			6921679.00 Lakhs

(C) Benefit/Cost Ratio

Total Benefit	6921679.00 Lakhs
Total Cost	1422.475 Lakhs
Benefit cost ratio	486.501

M. K. Singh

M. K. Singh

R. L. Negi

Er. R. L. Negi

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

R. L. Negi

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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
	Total	397.8863	61.4042	459.2905

District wise land detail

District	Forest land (Ha)	Private land (Ha)	Total land (Ha)
Shimla	196.7343	49.9067	246.6410
Mandi	101.152	11.8975	213.0495
Total	397.8863	61.4042	459.2905


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

Sunni Dam HEP**Forest Division wise/ Village wise land detail** (with underground/ National Area)

Revised on 17/09/2020 as per details as per AREA of Kh.No. 328/1 R.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	Kareyali	Jalsbi	18.2107	1.7634	21.9641	
			Bharara	17.5203	6.1109	23.6312	
		Chowli	Khatra	31.8388	9.9689	41.8077	
			Underground/Nat ional area in Khatra	0.6800	0	0.6800	
			Lama	4.5576	1.1672	7.7248	
			Mingana	0	1.2583	1.2583	
		Baag	Bathara	7.2771	3.8662	11.1433	
			Pandora	15.0423	0.4448	15.4871	
			Cochana	6.5505	0.6941	7.2446	
		Cgli	Talsh	21.5863	1.2224	26.8088	
			Cgli	22.1604	4.7889	26.9493	
			Kothi	6.3146	0.5522	6.8668	
				Maig	5.5098	8.5650	14.0748
				Total in Shimla Division		189.5484	48.4024
	Kotgarh	Barabar	Bhosh	2.7544	0.00	2.7544	
			Talsh	9.4811	0.0000	9.4811	
		Mogro	Jhunjhun	13.3012	0.8678	14.171	
			Majharog	11.8470	0.2365	12.0835	
			Total in Kotgarh Division		37.3819	1.1043	38.4862
	Mandi	Karsog	Sartola	Ghokra	10.6200	0.6748	11.2948
Mogro				22.2316	0.0898	22.3214	
Binda			Balog	13.6240	1.7213	15.3453	
			Bhakra/BGZ	15.5165	2.8188	18.3353	
			Underground/Nat ional area in Bhakra	3.1945	0	3.1945	
Parlog			Pogora	18.2882	1.7951	20.0833	
			Kamoch	4.6177	0.00	4.6177	
			Parlog	17.0433	1.4437	18.487	
			Bahabani	19.2872	2.4319	21.7191	
Shahai			Karjoli	28.4676	0.9227	29.3903	
Nanj			Chitoya	2.1234	0.00	2.1234	
			Dandai	5.9849	0.00	5.9849	
				Total in Karsog Division		201.1520	11.8975
		Grand Total		397.8863	61.4042	459.2905	

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

2009
244

DIRECTORATE OF ENERGY
GOVERNEMENT OF HIMACHAL PRADESH
SHANTI BHAWAN, PHASE-III, SECTOR-6, NEW SHIMLA-171009
Ph. +91 177 2673552, FAX +91 177 2673553, e mail: ceenergy09@gmail.com
No. HPDOE/CE(Energy)/Luhri HEP/Vol-II/2017- 4679 - 90 Dated: 29/08/17

To
The Chairman-cum-Managing Director,
SJVN Ltd., Corporate Office Complex,
Shanana, Shimla-171006

Subject: Memorandum of Understanding (MoU), regarding execution of Luhri-I & II HEP & Sunni Dam Hydro Electric Projects on river Sutlej 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 (328 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 at 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]
Joint Secretary
Directorate of Energy, GoHP

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

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

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

23078-82

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 Shriinda letter No. IPH-BJP/5-4/2006 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 Karsog.
2. All the conditions of the agreement as 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 Kuhlals/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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Er. R. L. Negi
Head of Project
SJVN, LHEP, Bithal

[Handwritten signature]

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

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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-IPHS-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.

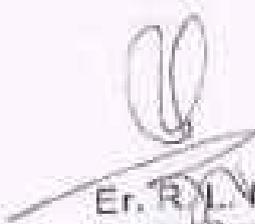
Copy forwarded to the Chief engineer (WZ) I&PH department Mandi for favour of information please.

Copy forwarded to the Executive Engineer, I&PH Division, Karnag for information and necessary action with reference to his office letter No. 13294 dated 06/03/2018 vide which the case for issuing NOC has been recommended in favour of **Er. Vikash 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
Head of Project
SJVN, LHEP, Bithal

247

Registered

247

No. FSH-F (2)-39-148/2017-ARC-Sunai Dam Project-
Directorate of Fisheries,
Himachal Pradesh,

6277

From:

The Director-cum-Warden of Fisheries,
Himachal Pradesh.

14/6/2018

To:

Smti Vikas Mahajan,
Dy. General Manager
Luhri Hydro Electric Project, (SJVRL)
Bithal, P.O.-Samethala, Tehsil-Kumarsain,
District Shimla (HP)-172030.

Dated: Bilsapur-174001 this,

Subject:-

NOC for Sunai Dam Project 373 MW in Shimla Distt.

Sir,

I invite a reference of your letter No. SJVR/Sunai Dam HEP/ Env/MX/Fisheries/2018-1300-10 dated 22.02.2018 regarding subject cited above.

Keeping in view the approval of the State Govt., accorded vide letter No. Fish-5(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. 185.50 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, Bilsapur.

E-mail: fisheries_bil@nic.in
Tel/Fax: 01778-214008

Envt-915
20/6/18

Satpal Mehta (SJVRL)
14/6/2018

Envt 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-3.
3. The Deputy Commissioner, Shimla, Distt Shimla (HP).
4. The Chief Engineer (P&M) HPSEB, Vidyal 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.

Pr. Secy

14/6/18

Er. R. L. Negi
Head of Project
SJVRL LHEP Bithal

14/6/18

[Satpal Mehta]
Director-cum-Warden of Fisheries,
Himachal Pradesh, Bilsapur.
E-mail: fisheries_bil@nic.in
Tel/Fax: 01778-214008

Er. R. L. Negi
Head of Project
SJVRL LHEP Bithal

Himachal Pradesh
Public Works Department

24/9
26/9

No. SE-IV-R-NOC/17-
To

19996-99

Dated:- 29/09/2018

The Chief Manager (Env.),
Sunni Dam Project, SJVNL Ltd. Bithul,
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 Dharni HP.PWD, Dharni 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 4th Circle, HPPWD Shimla (Sunni Sub-Division and Jalog Sub-Division under Shimla Rural Division Dharni). 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.

1. 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.
- (iii) 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
SJVN, LHEP, Bithul

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

DM

PPM-31
5-4-18
Mean discuss
26/9
Disposal Provision copy to PWD (Env)
div

The SJVN Ltd. Shall remain liable for their alternate replacement/shift at their 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 Tartapani. 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/Mulba shall have to be disposed off at approved dumping sites and no debris/mulba 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,
4th Circle, HP.PWD, Shimla.

Copy to Engineer-in-Chief, HPPWD Shimla for information with reference to his office letter No.PW @ NOC-4th 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 01.01.2018.


Superintending Engineer,
4th Circle, HP.PWD, Shimla.


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


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

252

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 HADWID
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Forest Dept

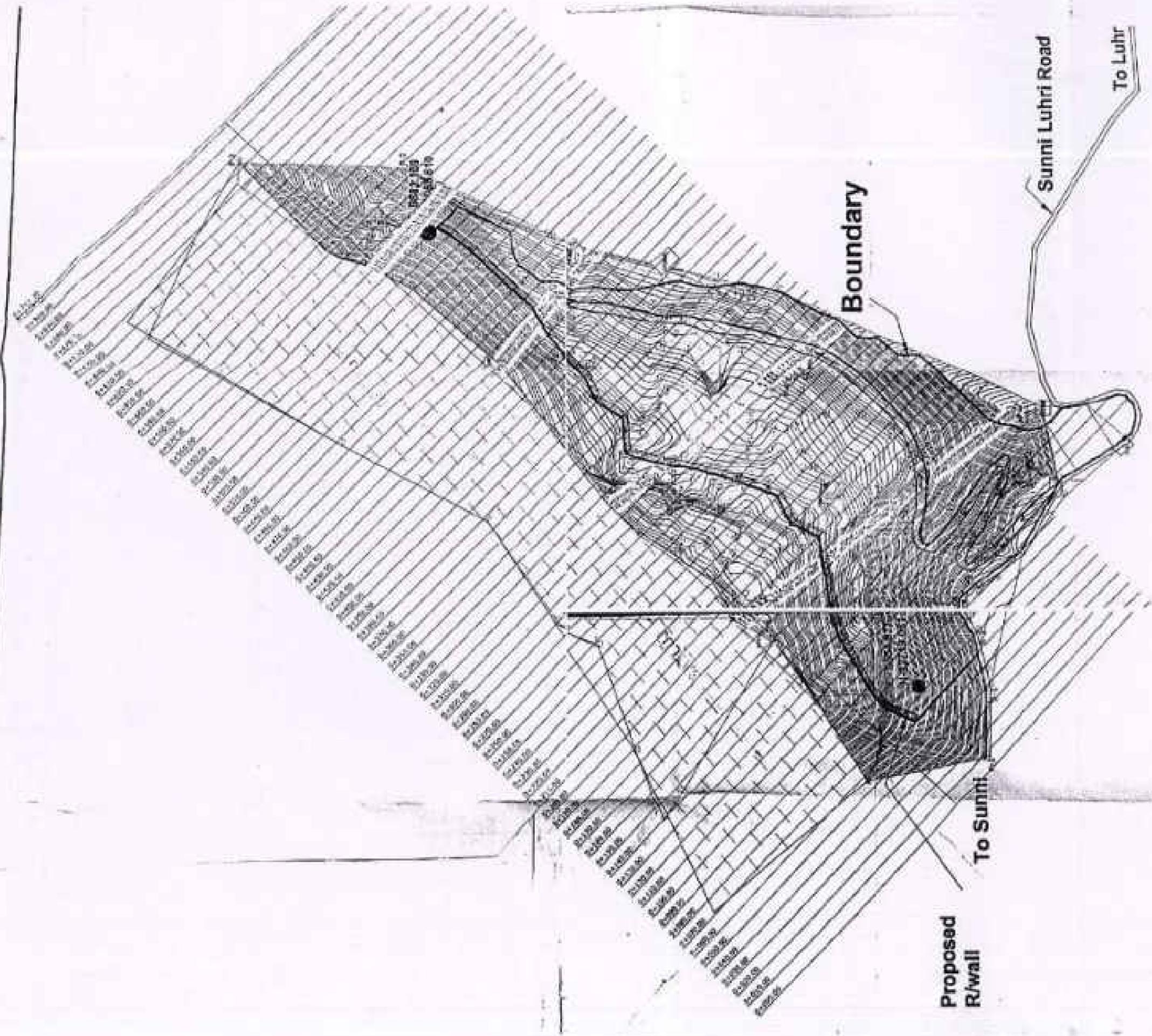

JESBP


Sub-Division Magistrate
Sanni (Rural)



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


Divisional Forest Officer
Shimla Forest Division
SHIMLA



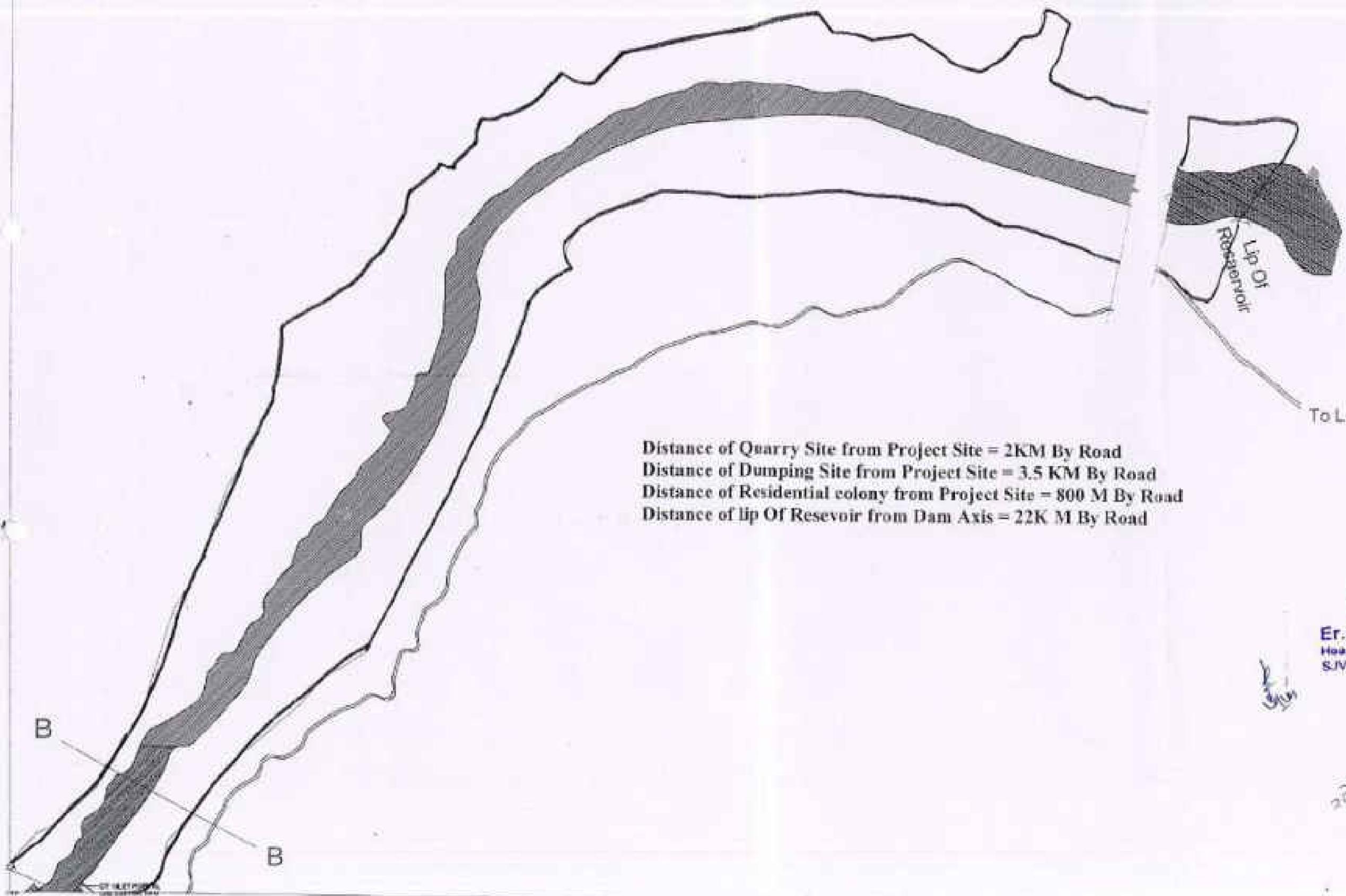
Plan of Dumping Site at Lunsu for Sunni Dam HEP.

Sponsored

Er. R. L. Negi
Head of Project
SUNNI DHEP, Bimal

Infra Structure Plan of Sunni Dam HEP .

254
256



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

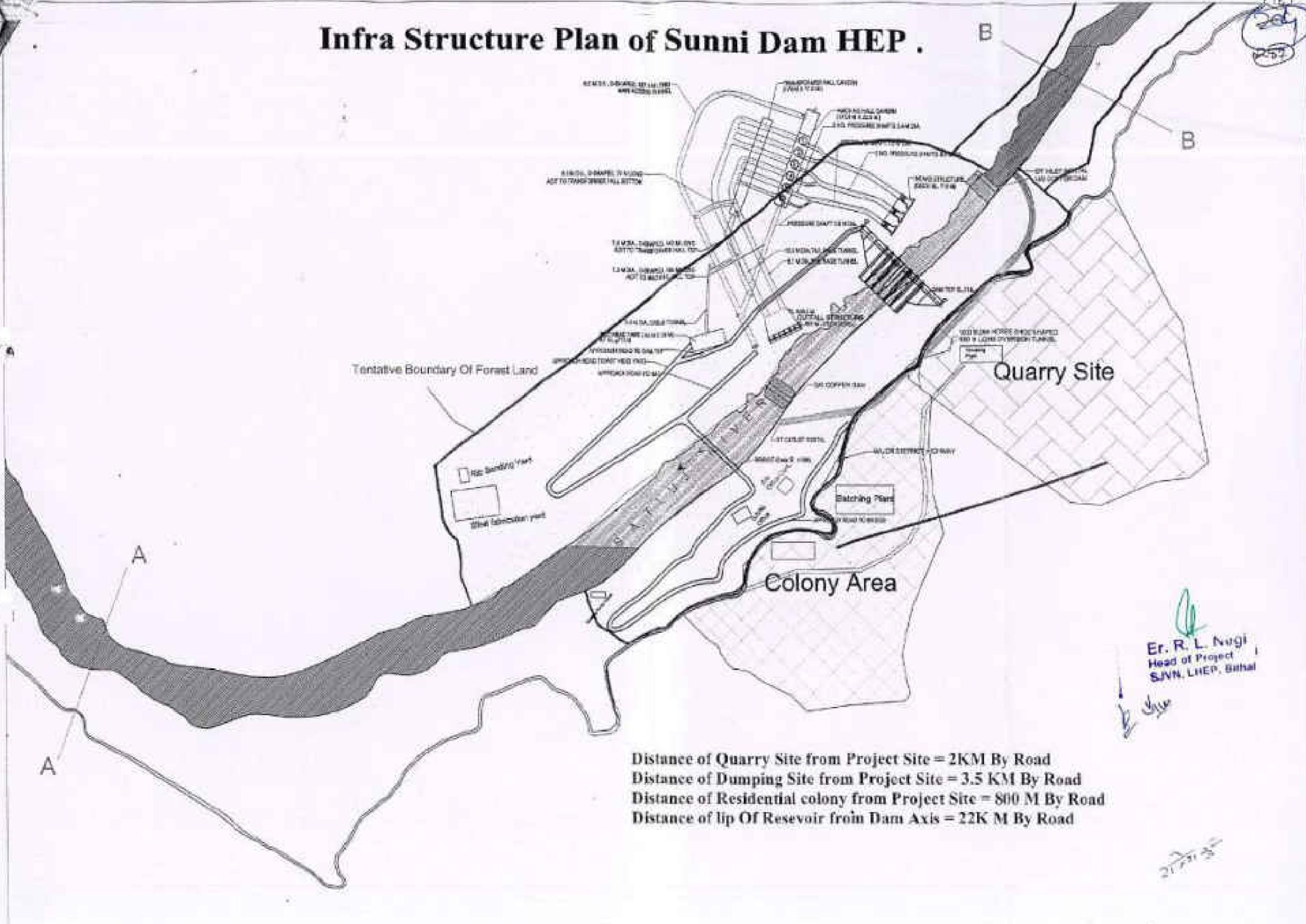
To Luhri


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



2023-24

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

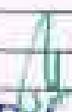
Er. R. L. Nugi
 Head of Project
 SNN, LHEP, Bahal

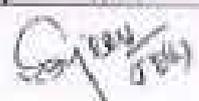
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Capacity of dumping site Lunsu, SDLHEP.

Sr. No.	R.D.	Length (m)	X-sectional Area (m ²)	Mean X-sectional Area (m ²)	Total Quantity in (M ³)	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	307.52	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	3280.37	32803.70	
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	11058.15	
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	846.65	
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	95.96	82.43	824.35	


E. R. L. Negi
 Head of Project
 SJVN, LHEP
 Bihar



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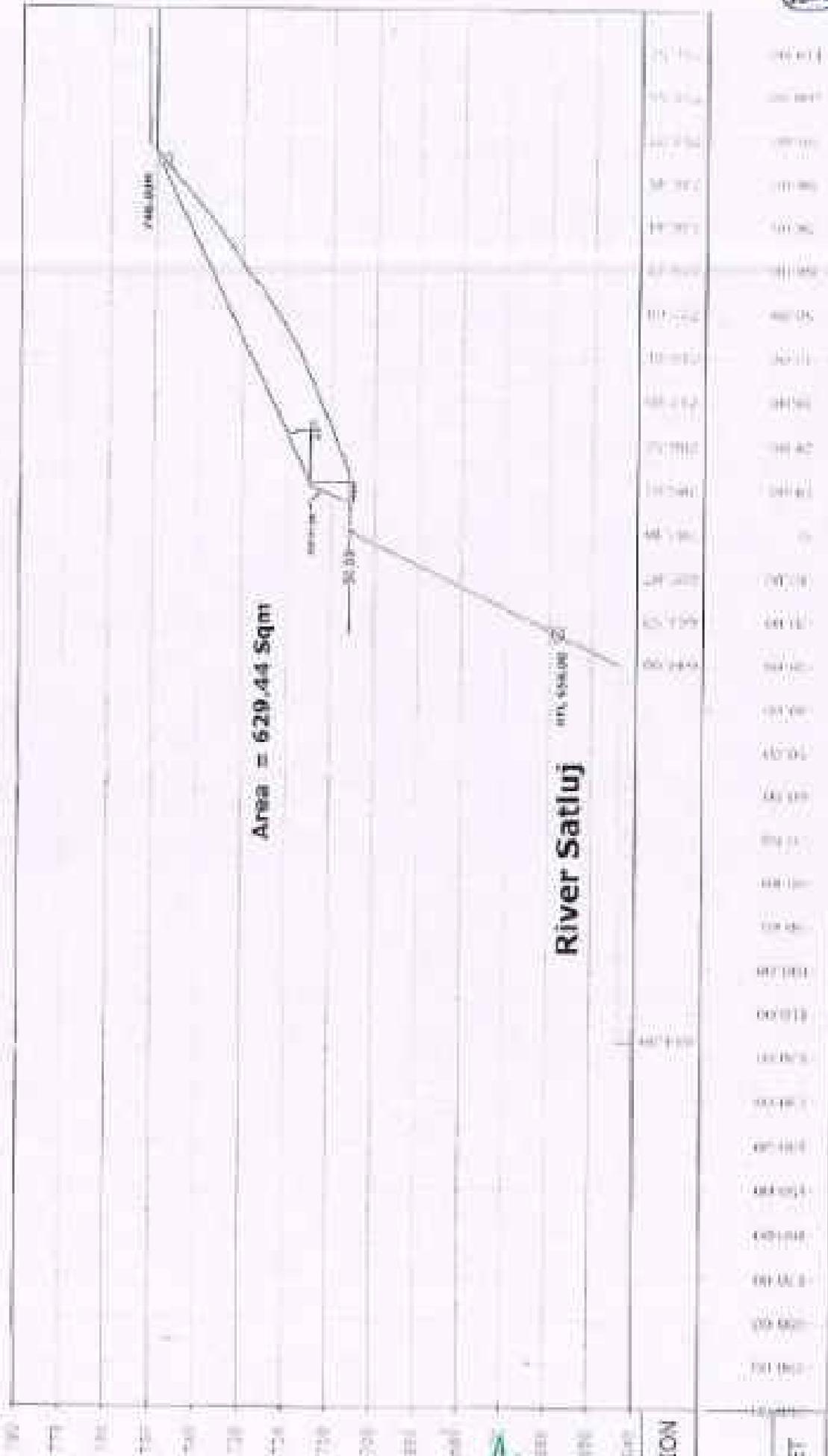
47	520	10	79.13	87.10	870.95	
48	530	10	66.21	72.67	726.70	
49	580	10	62.85	64.53	645.30	
50	550	10	66.05	64.45	644.50	
				Total	669587.15	

Sign
JUL

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Chun


Er. R. L. Negi
Head of Project
S/VN, LHEP, Bahar

Dumping Site Lunsu



ELEVATION

OFFSET

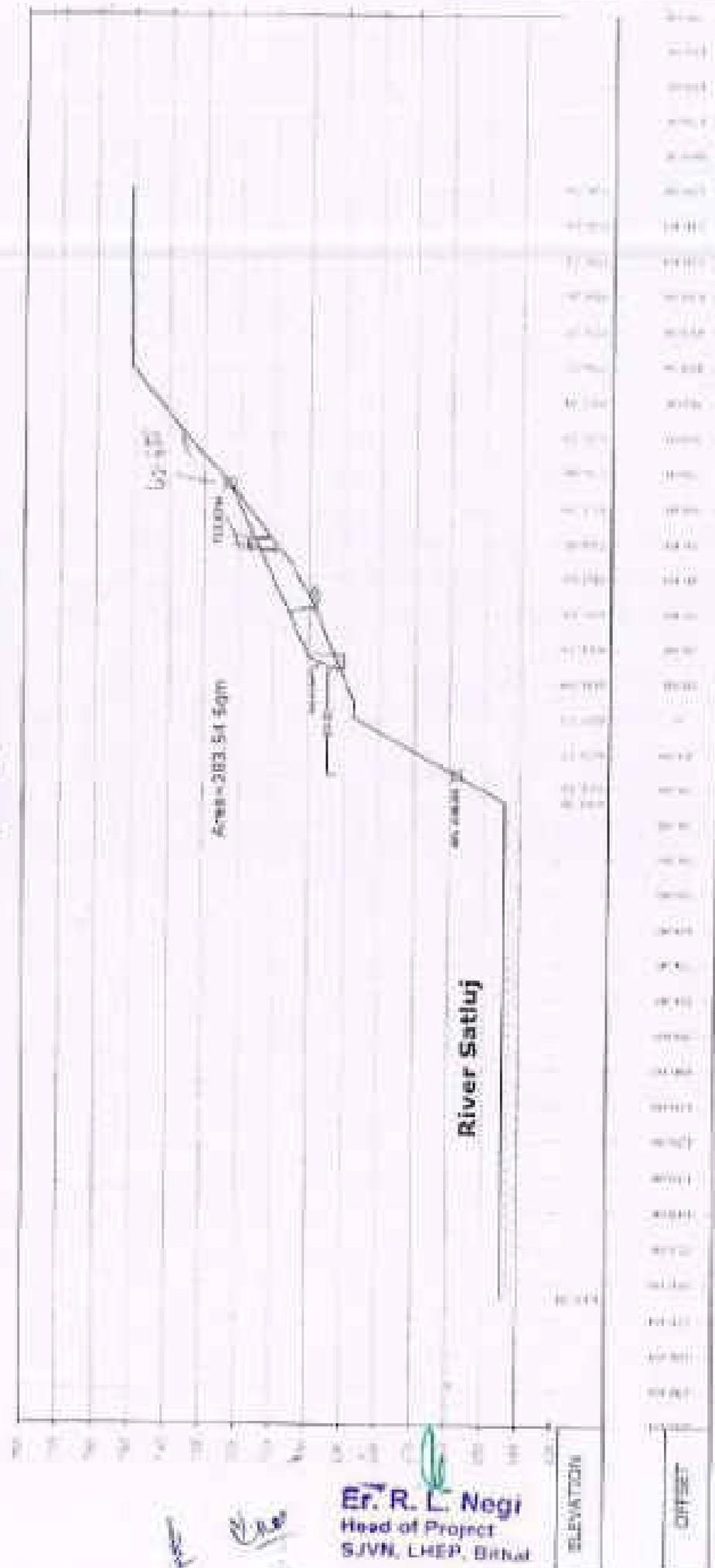
Er. R. L. Negi
 Head of Project
 SJVN, IHEP, Bithur

Signature

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25/11

27

Dumping Site Lunsu



X-Section at RD 0+80 m

270
262

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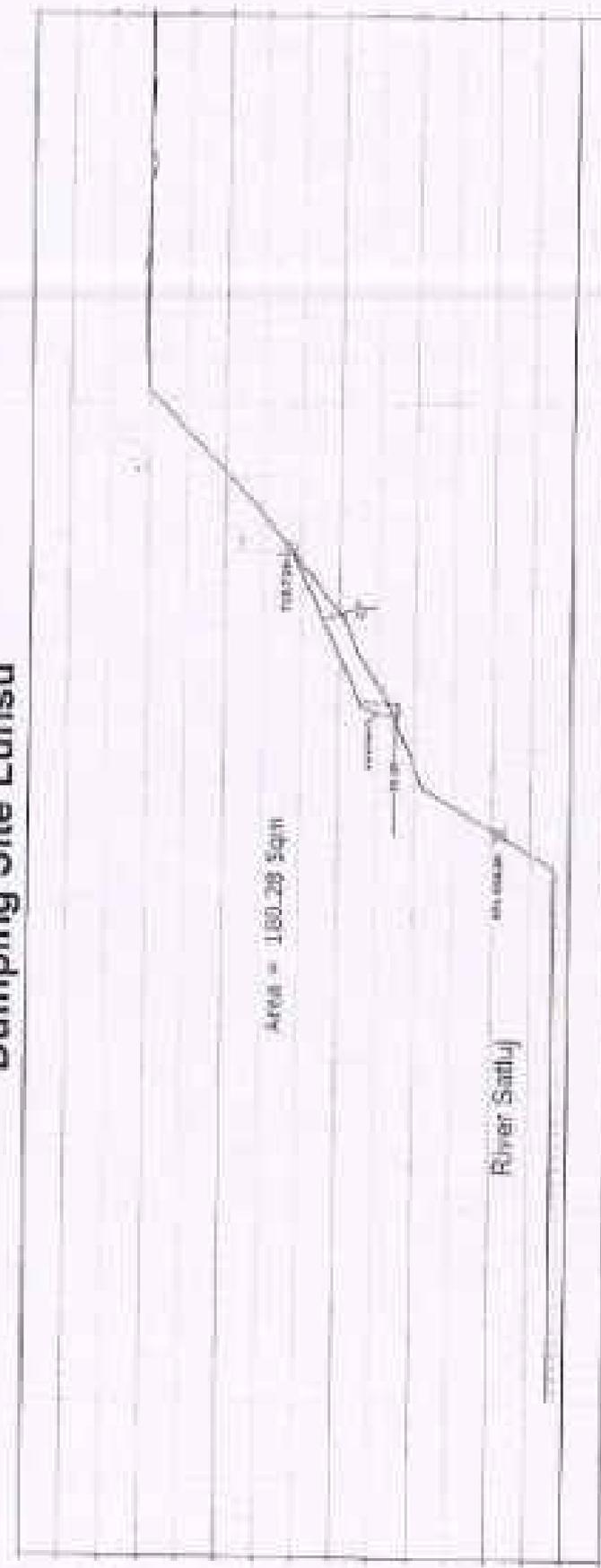
Er. R. L. Negi
Head of Project
SJVN, LHEP, Bhal

ELEVATION

OFFSET

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Dumping Site Lunsu



Area = 160.29 Sqm

River Sattuj

271
283

ELEVATION

OFFSET

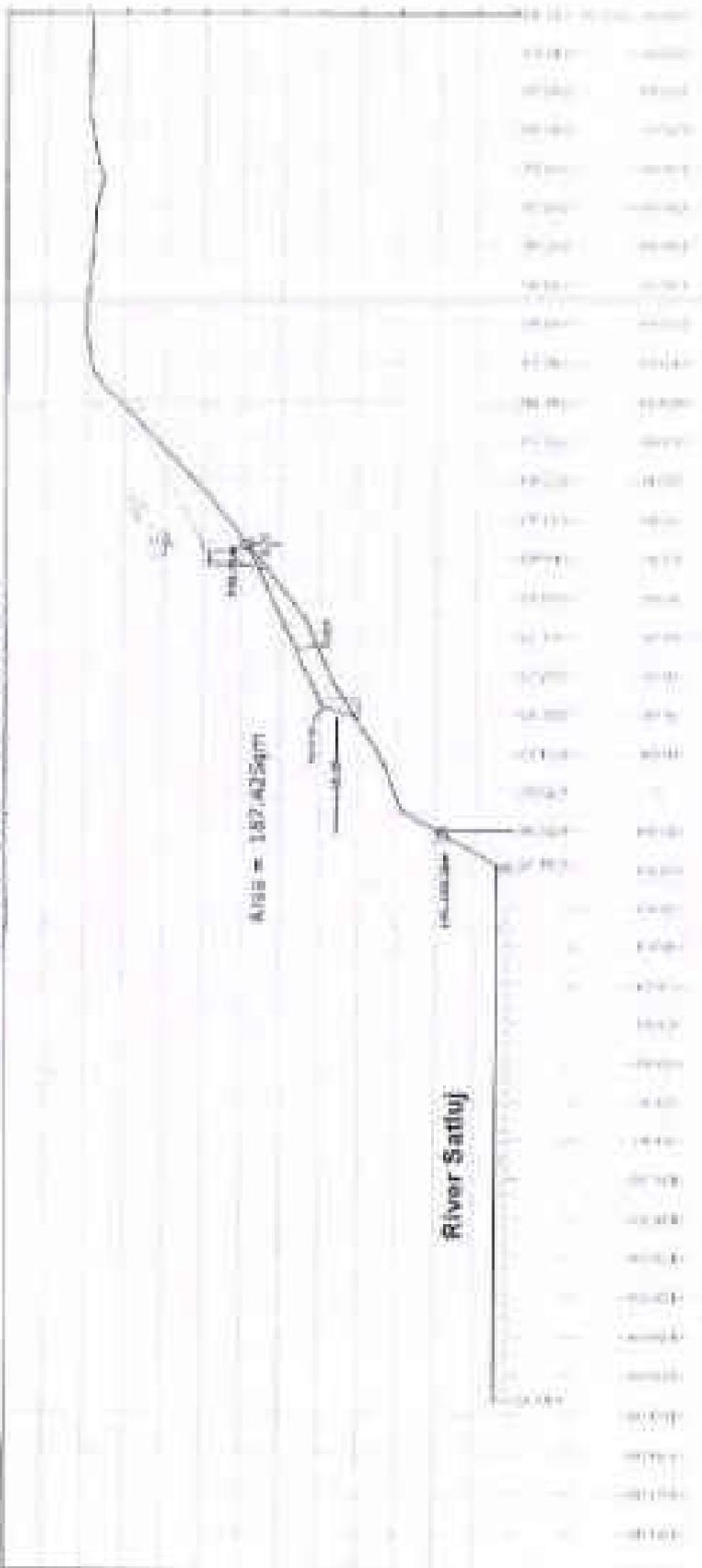
X-Section at RD 0/90 m

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

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Dumping Site Lunsu



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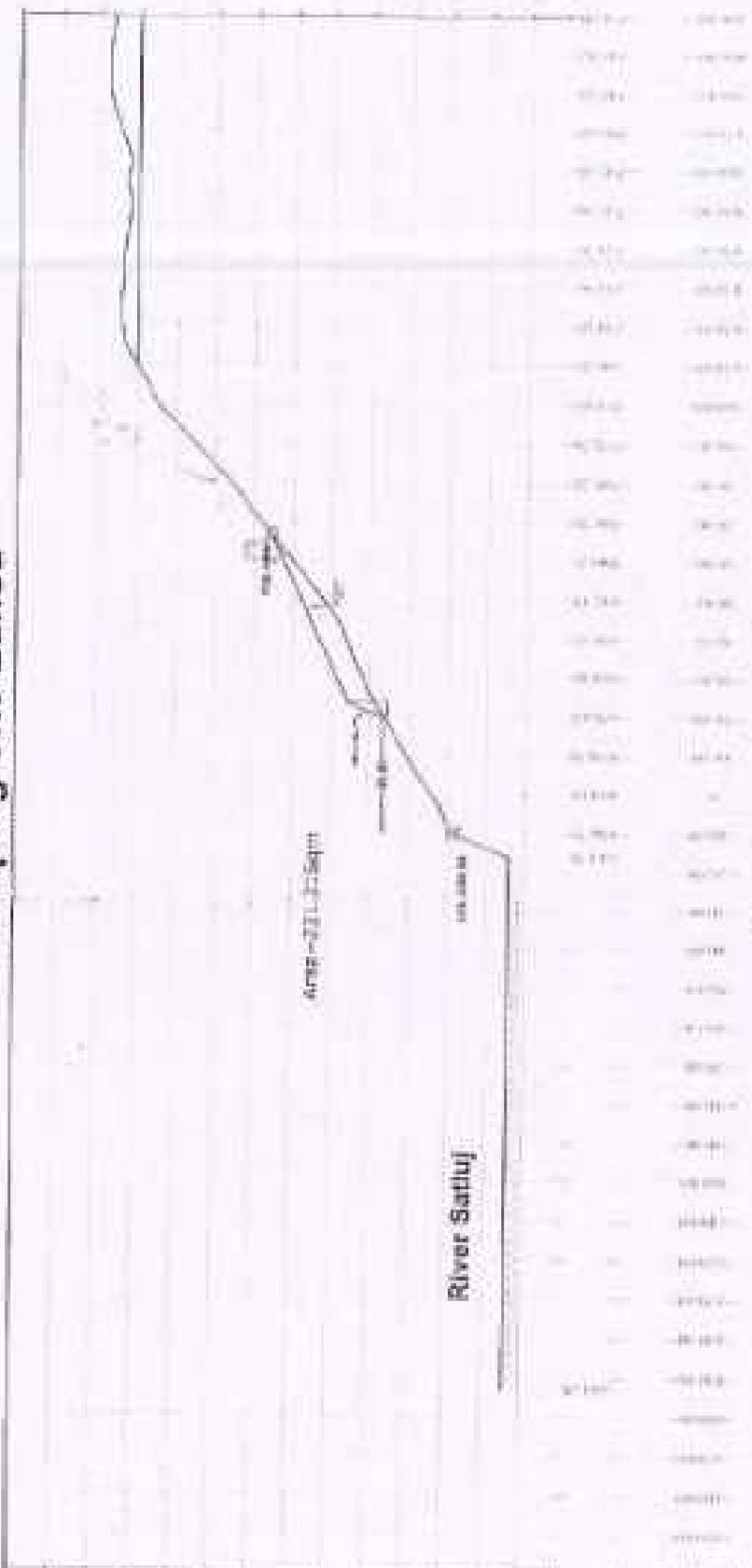
Er. R. L. Negi
Head of Project
SJVN, LHEP, Binal

DATE: _____

SCALE: _____

Signature

Dumping Site Lunsu



X-Section at RD 0/110 m

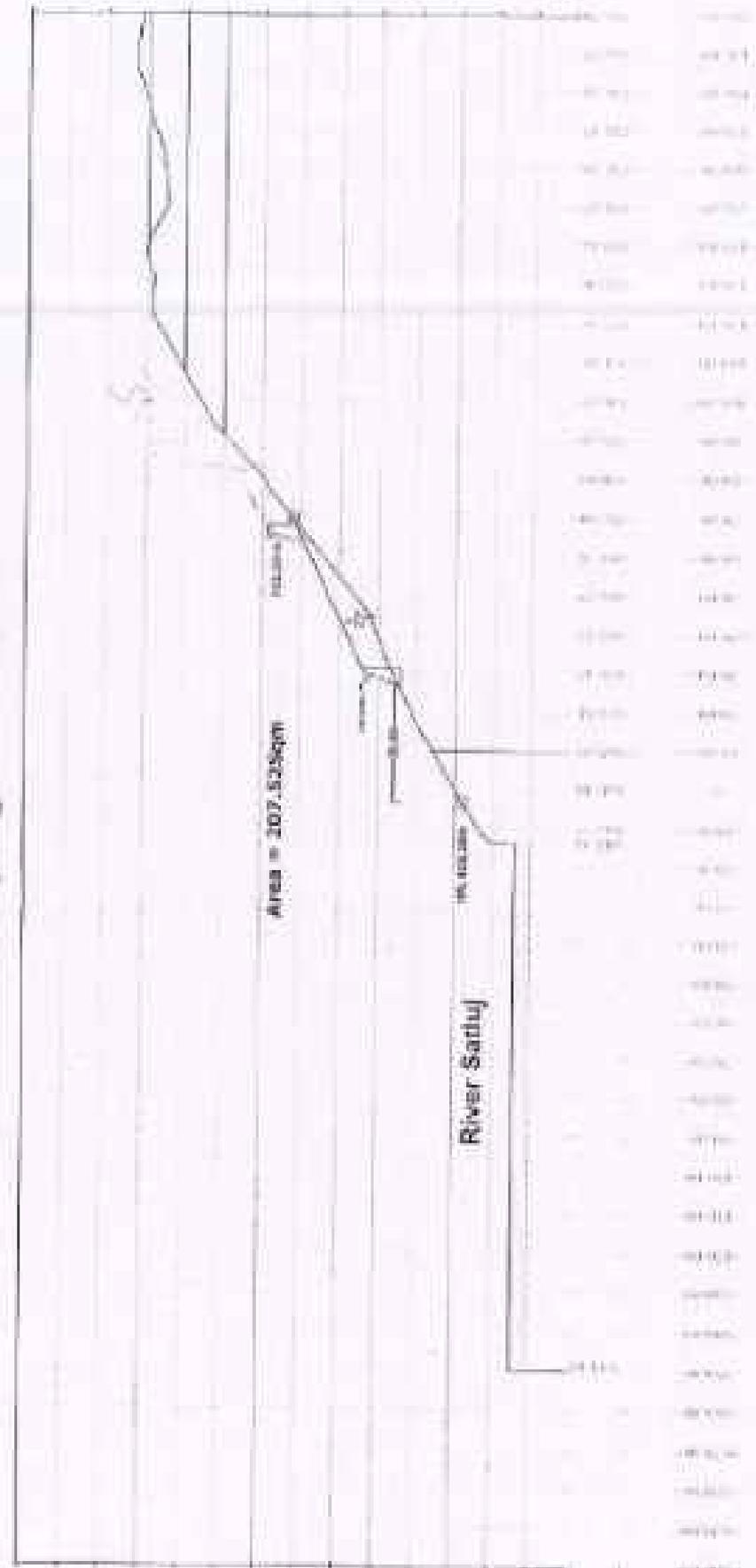
E. R. L. Negi
 Head of Project
 SJVN, LHEP, Dithal

ELEVATION	
OFFSET	

Sun

243
 245

Dumping Site Lunsu



X-Section at RD 0/120 m

279
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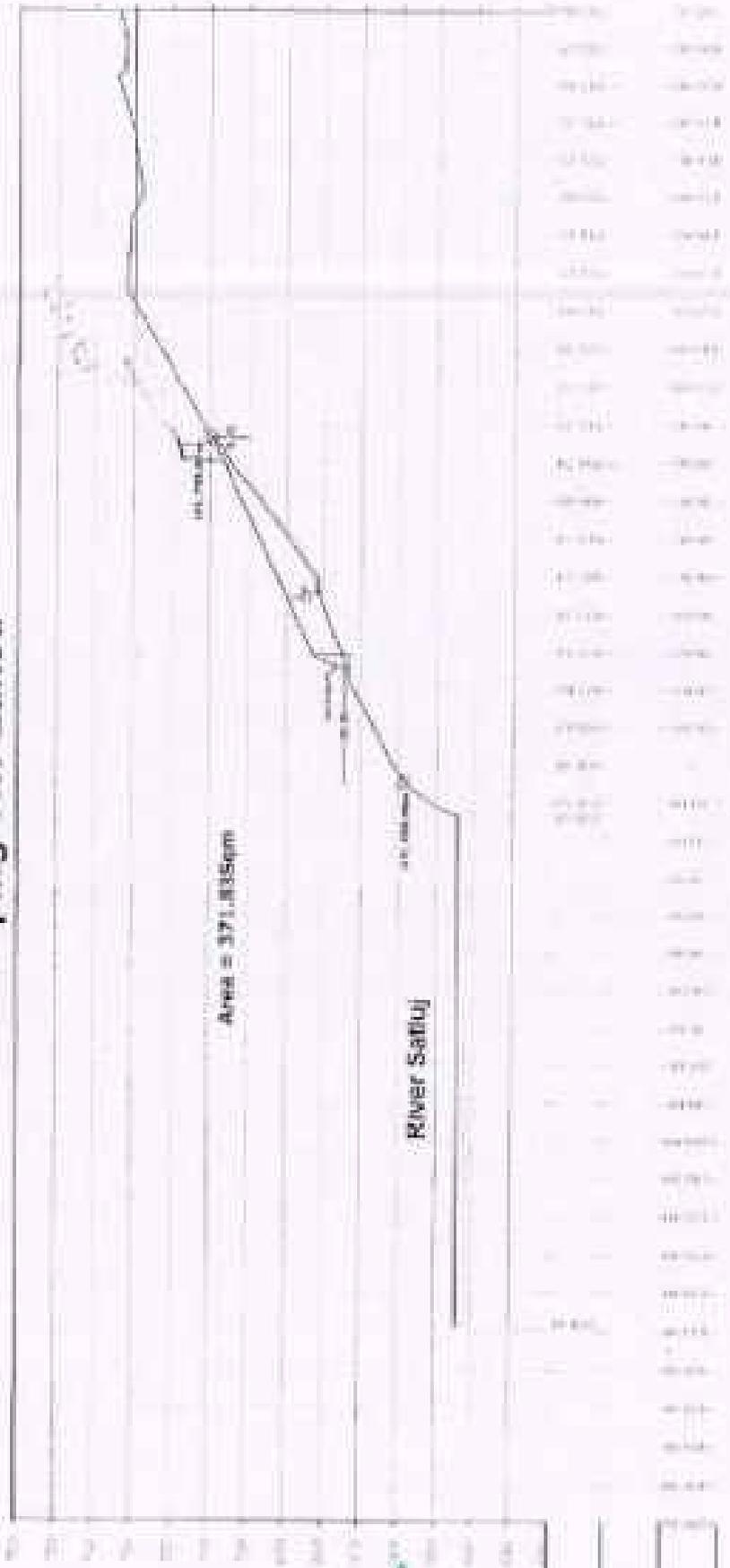
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Er. R. L. Negi
Head of Project
SJVN, LHP, BHW

<p>REMARKS</p>
<p>OFFSET</p>

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Dumping Site Lunsu



X-Section at RD 0/130 m

Handwritten signatures and initials

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

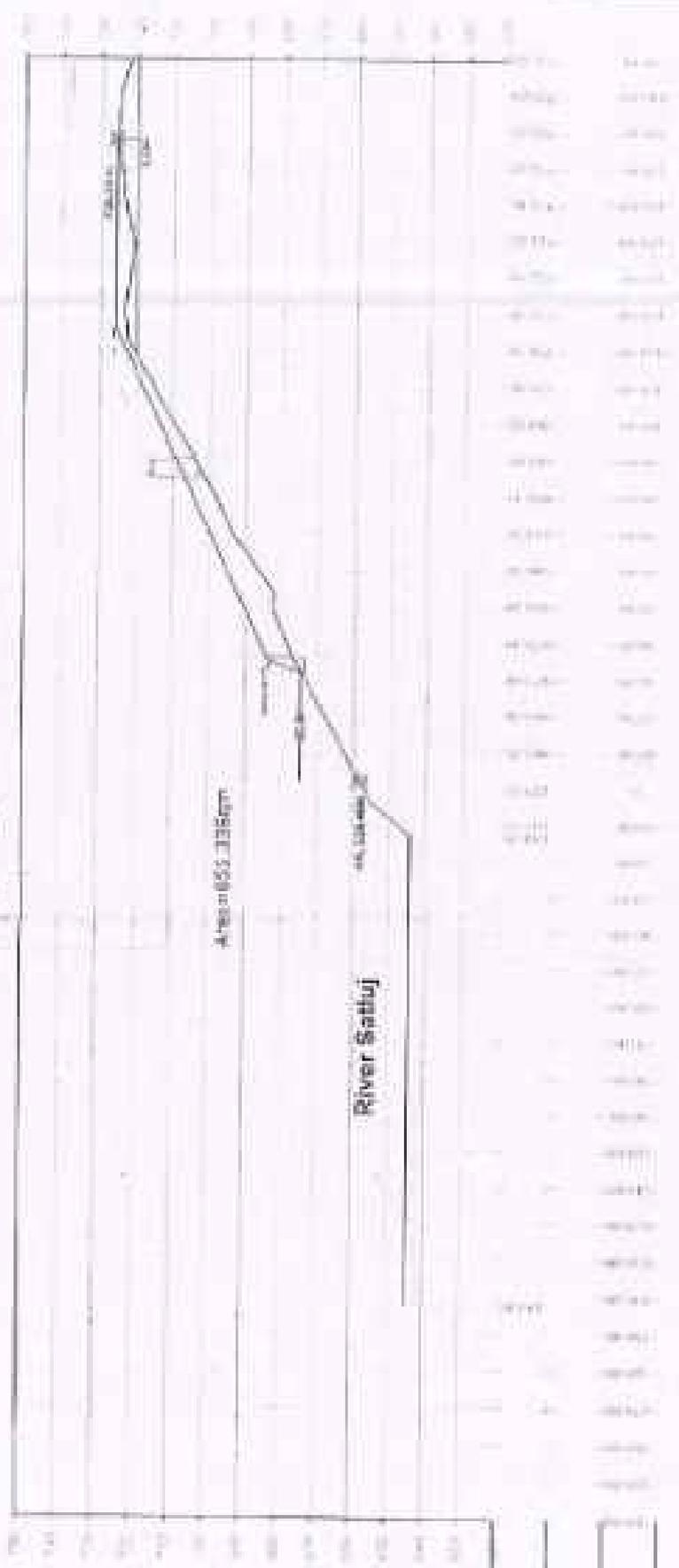
ELEVATION	
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Signature

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 267

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268

Dumping Site Lunsu



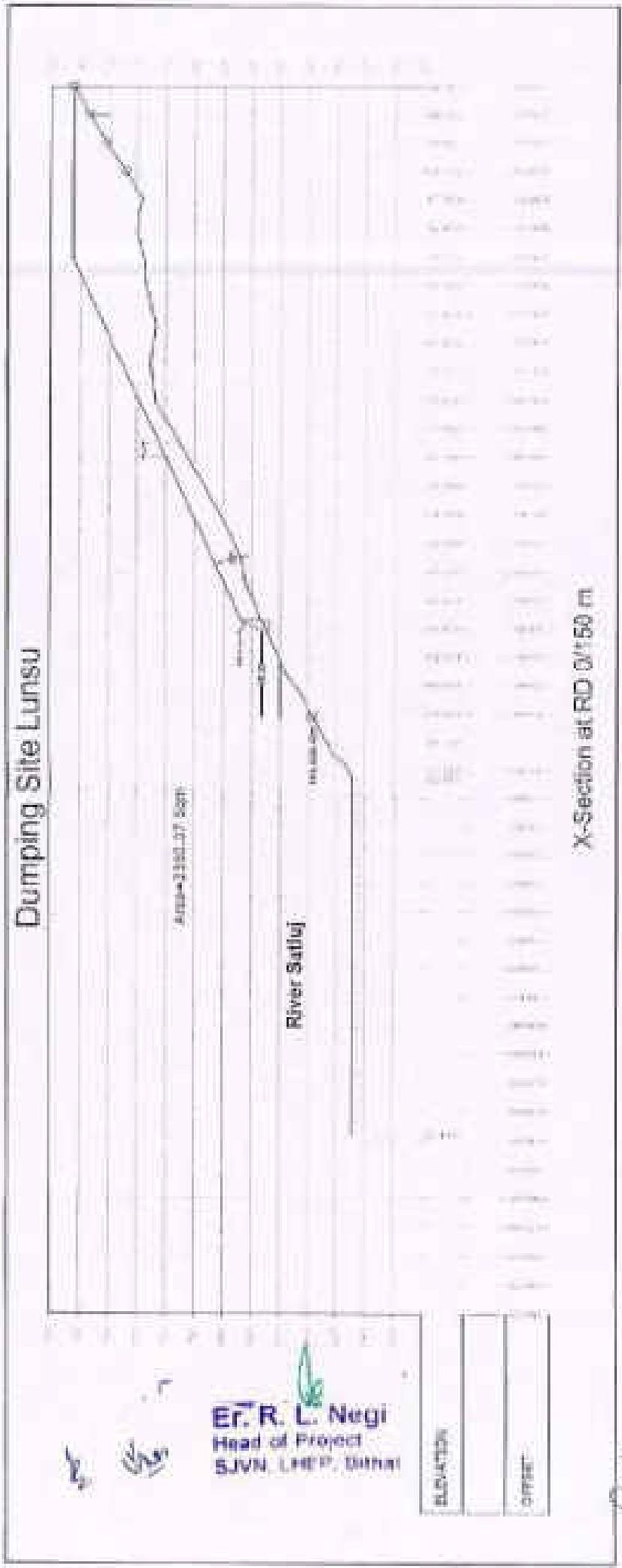
X-Section at RD 0/140 m


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

ELEVATION	
OFFSET	

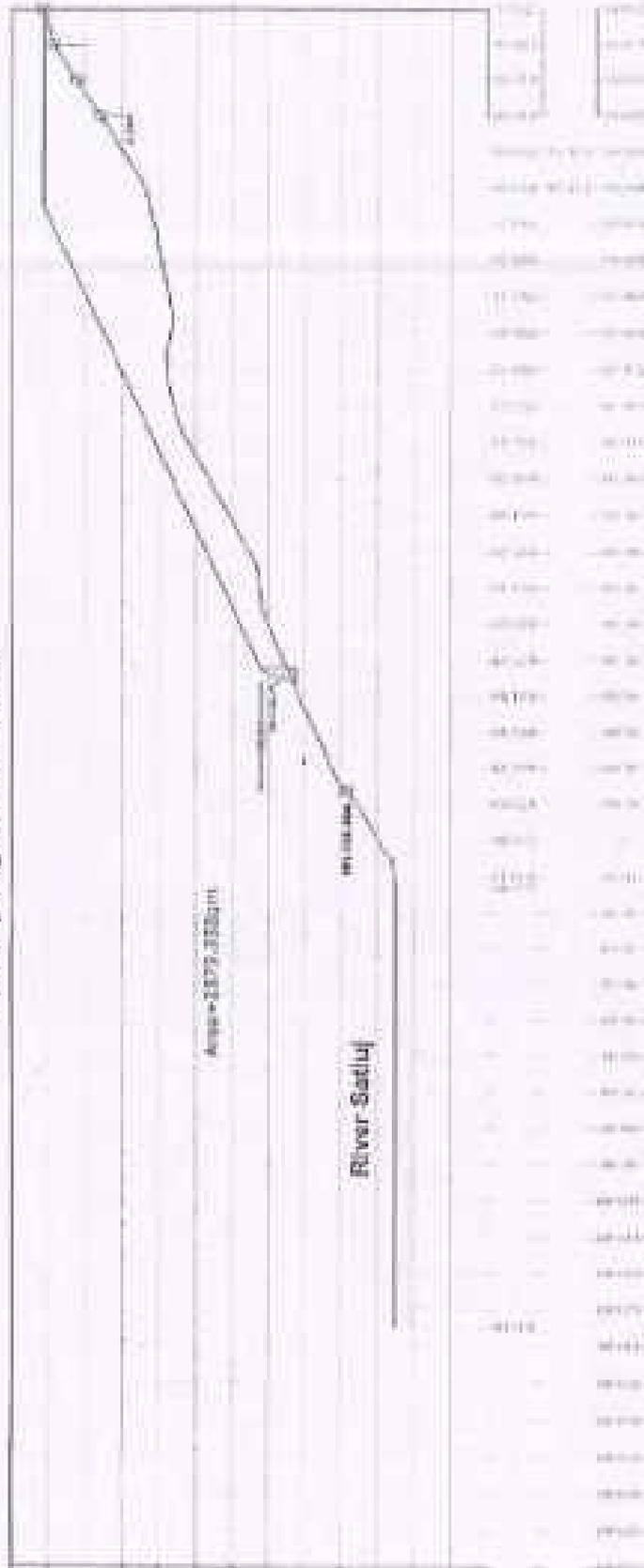
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Dumping Site Lunsu



X-Section at RD 0/150 m

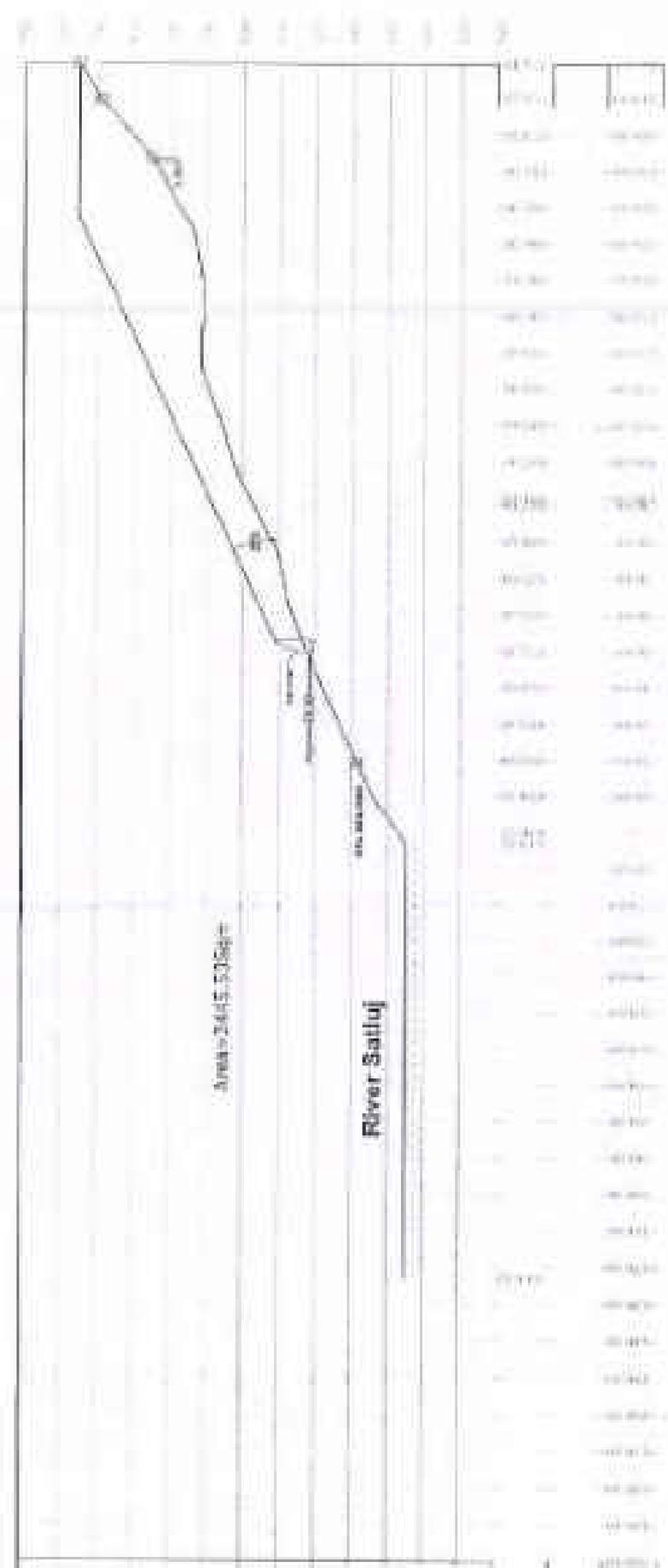
Handwritten signature/initials

Er. R. L. Negi
Head of Project
SJVA LHP Bihal

EXISTING ELEVATIONS
PROPOSED ELEVATIONS
Offset

Handwritten signature/initials

Dumping Site Lunsu



Area = 2445.50 Sqm

River Salluj

X-Section at RD 0/170 m

L. Negi

Er. R. L. Negi
 Head of Project
 SJVN, LHPP, Bina

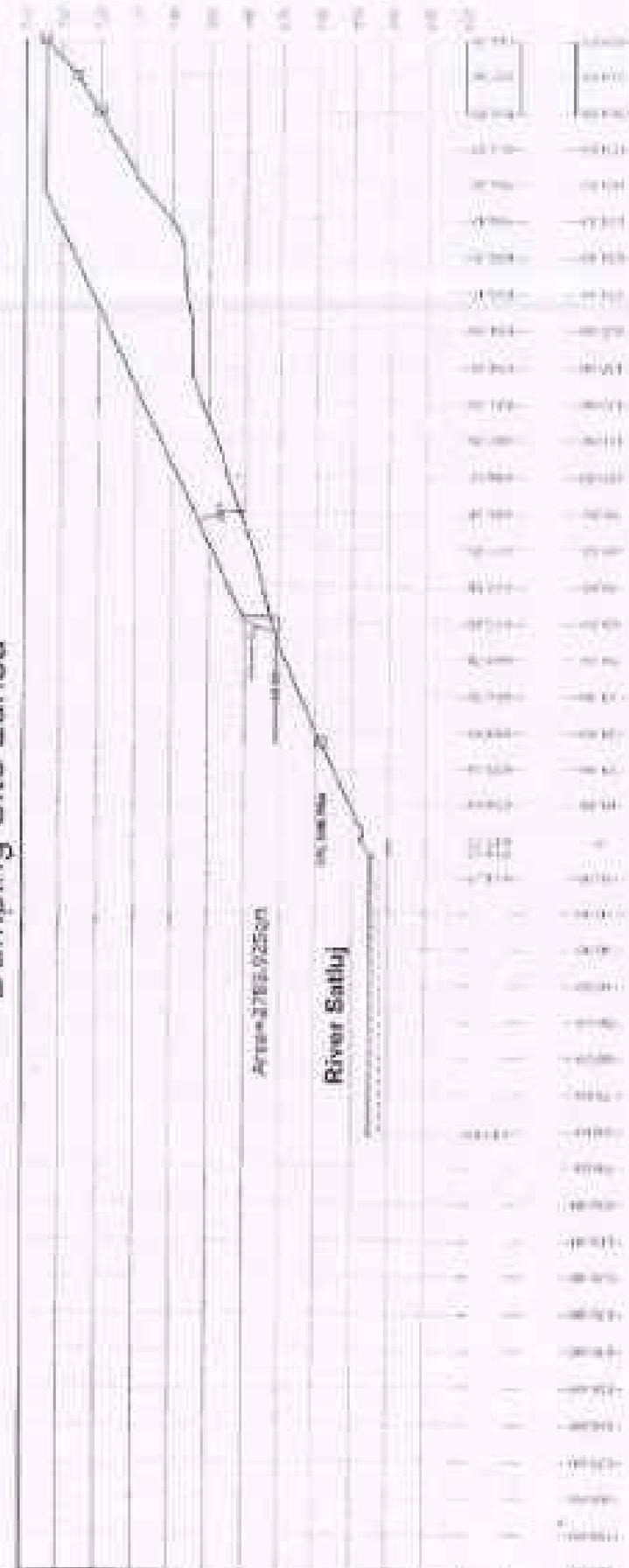
CREATION

01/01/2011

Scale

(279)
 (271)

Dumping Site Lurusu



X-Section at RD 0/180 m

Handwritten notes:
 100
 100

Er. R. L. Negi
 Head of Project
 SJVN, LHP, Bathal

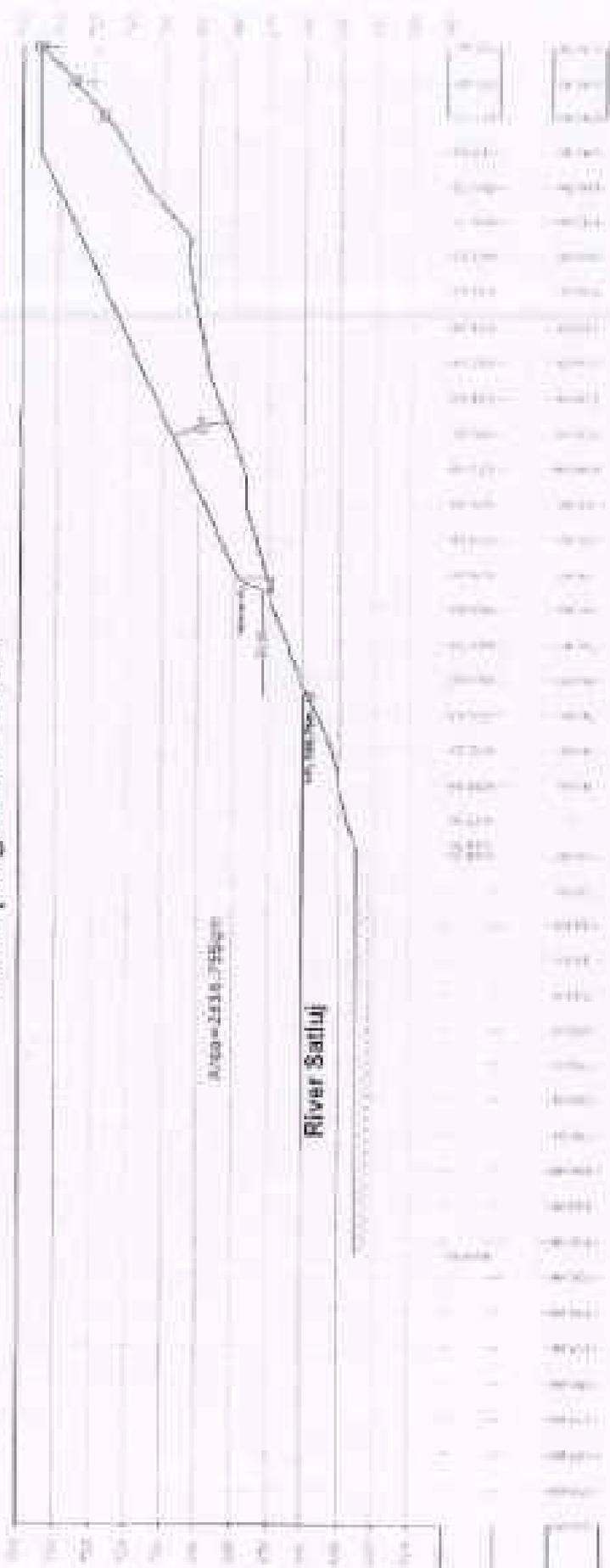
ELEVATION

OFFSET

Signature

280
 272

Dumping Site Lunsu



R/W = 2500.000m

River Satluj

X-Section at RD 0/190 m

Handwritten signature

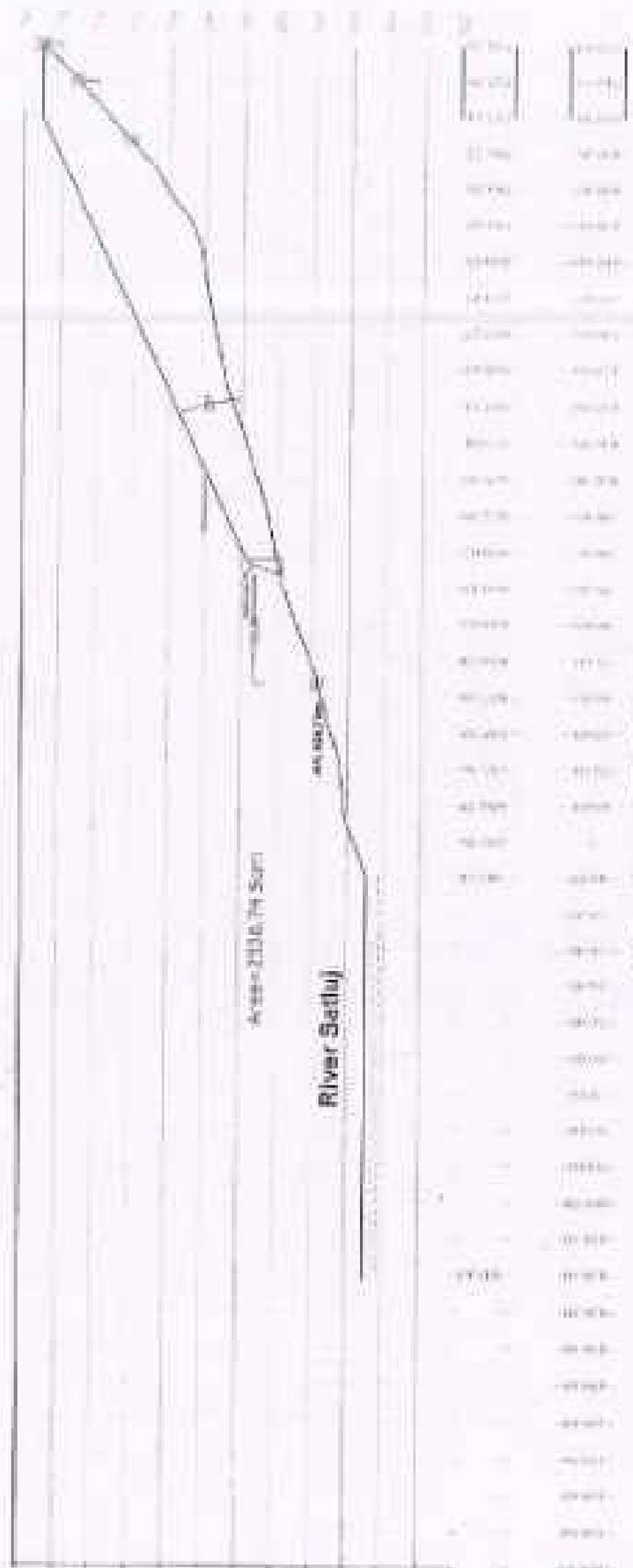
Er. R. L. Negi
Head of Project
SJVN, Lunsu, Satluj

ELEVATION	OFFSET
12	0
11	1
10	2
9	3
8	4
7	5
6	6
5	7
4	8
3	9
2	10
1	11
0	12

Handwritten signature

287
273

Dumping Site Lunsu



X-Section at RD 0/200 m

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

ELEVATION	OFFSET
25	0
24	10
23	20
22	30
21	40
20	50
19	60
18	70
17	80
16	90
15	100

Handwritten signature

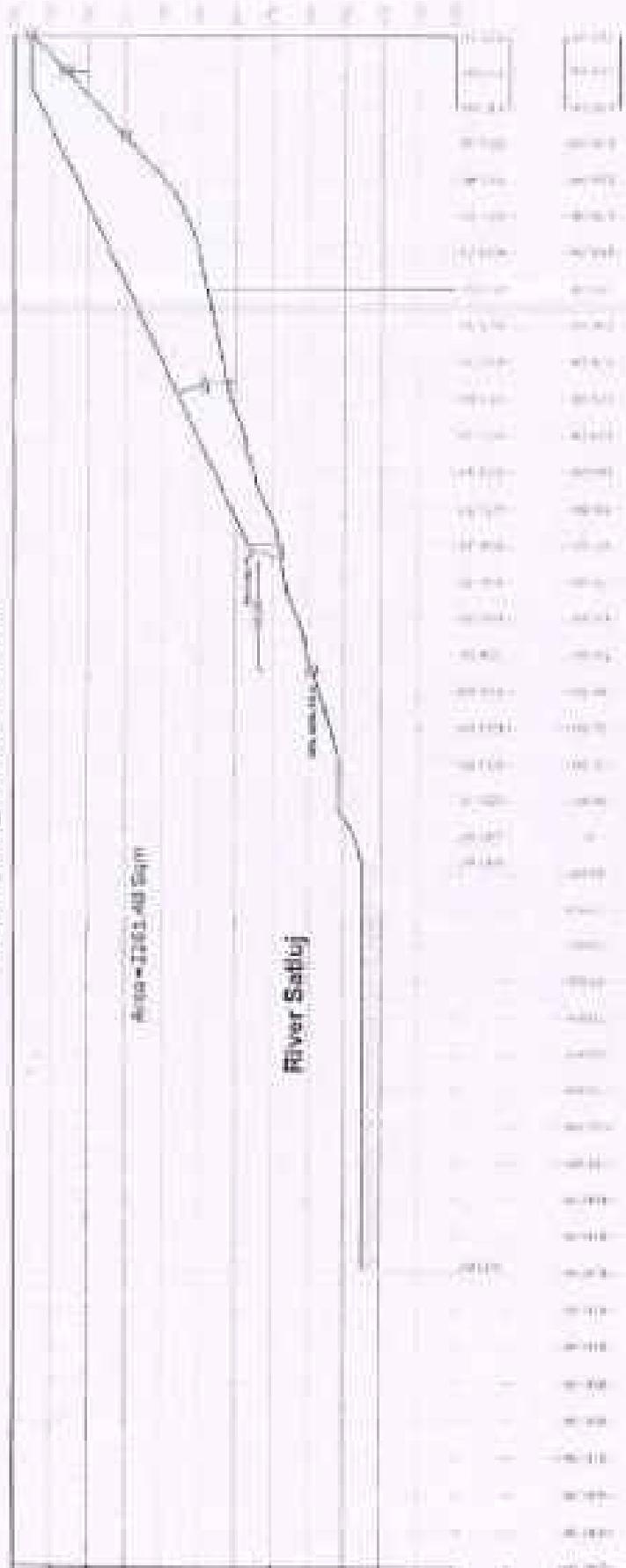
Er. R. C. Negi
 Head of Project
 SJVN, LHRP, Bihari

Handwritten signature

977
 274

213
215

Dumping Site Lunsu

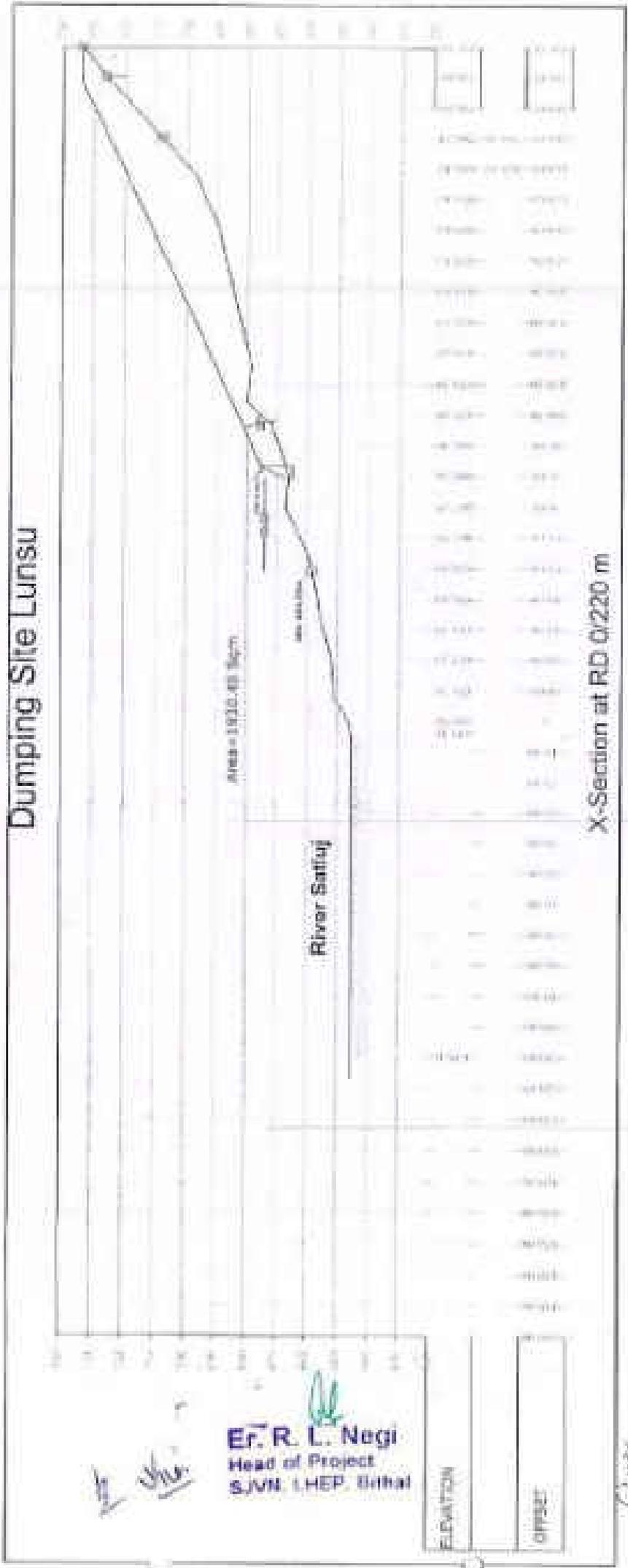


Er. R. L. Negi
Head of Project
SJVN, LHP, Bithal

ELEVATION
OFFSET

Sathuj

224
216



Handwritten signature

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

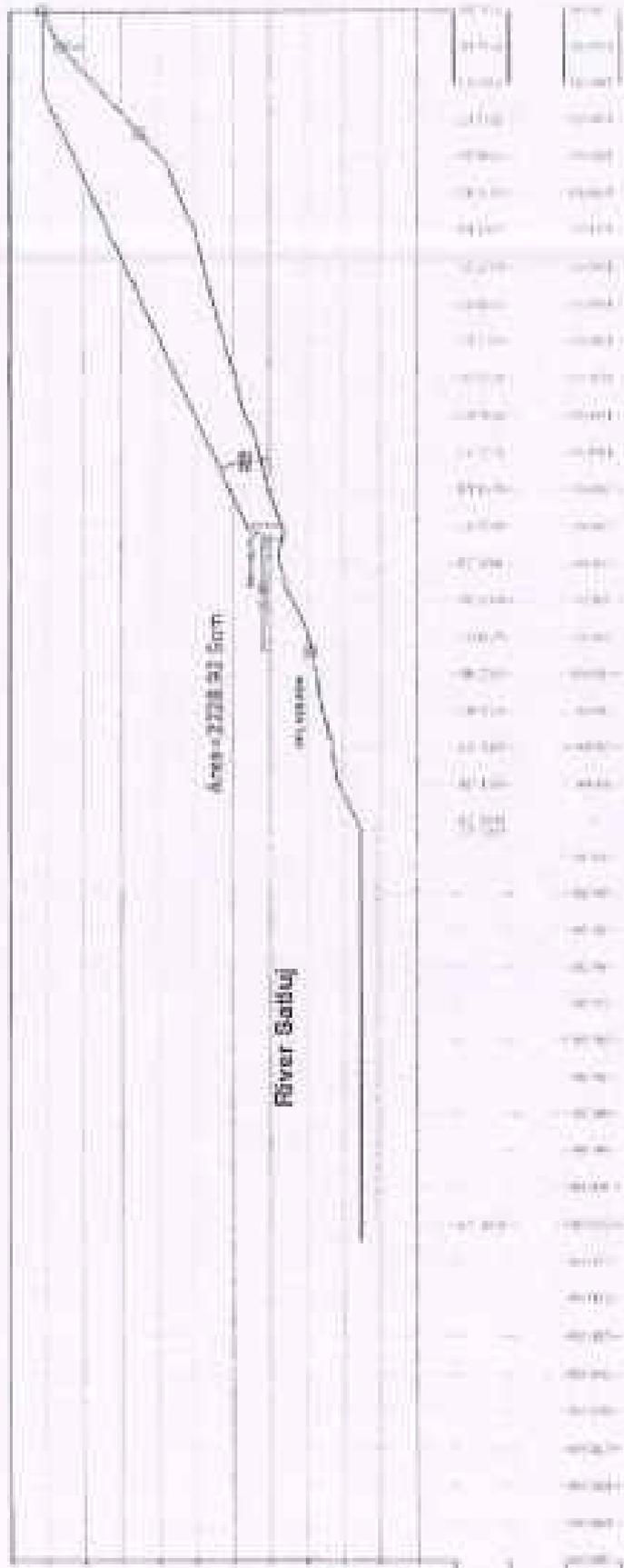
ELEVATION

OFFSET

Handwritten signature

285
127

Dumping Site Lunsu



X-Section at RD 0/230 m

Handwritten signature/initials

Er. R. L. Nogi
Head of Project
SJVN, LHEP, Bihar

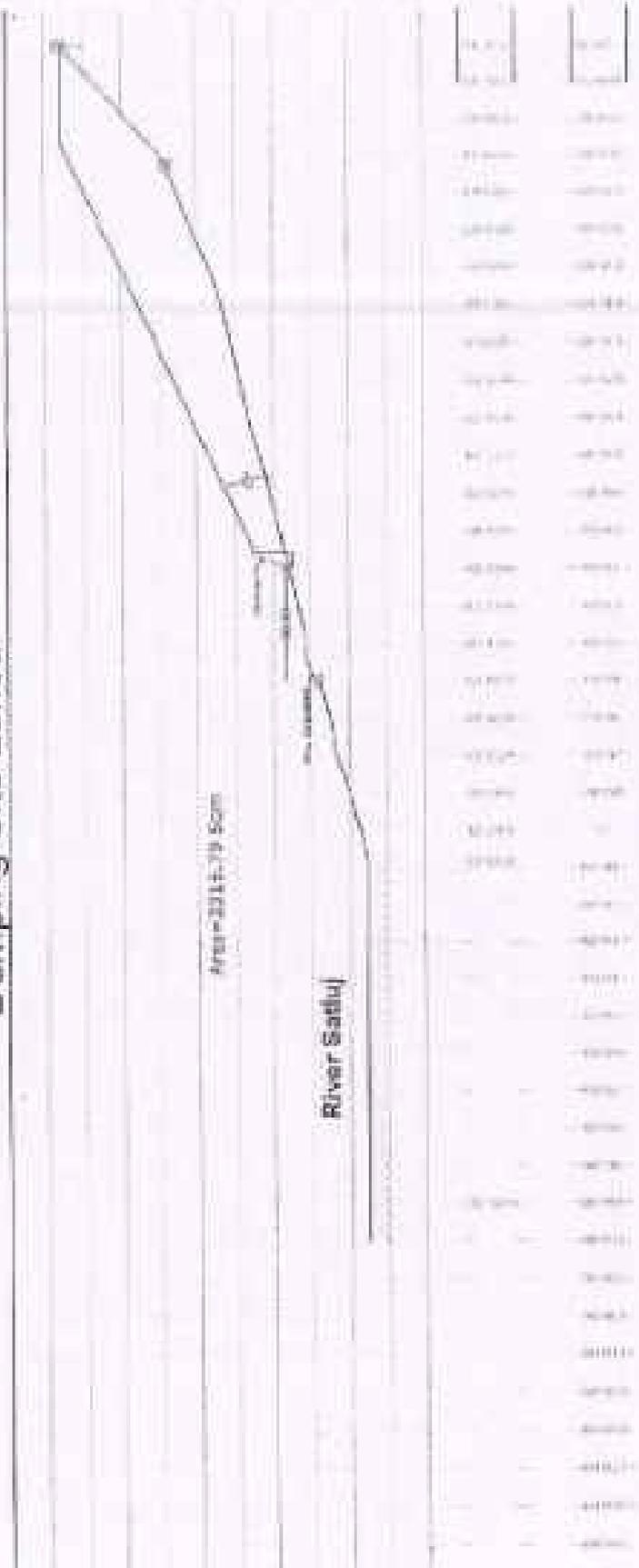
REVISION

OFFSET

Handwritten signature/initials

253
219

Dumping Site Lunsu



X-Section at RD 0/250 m

Handwritten initials and marks.

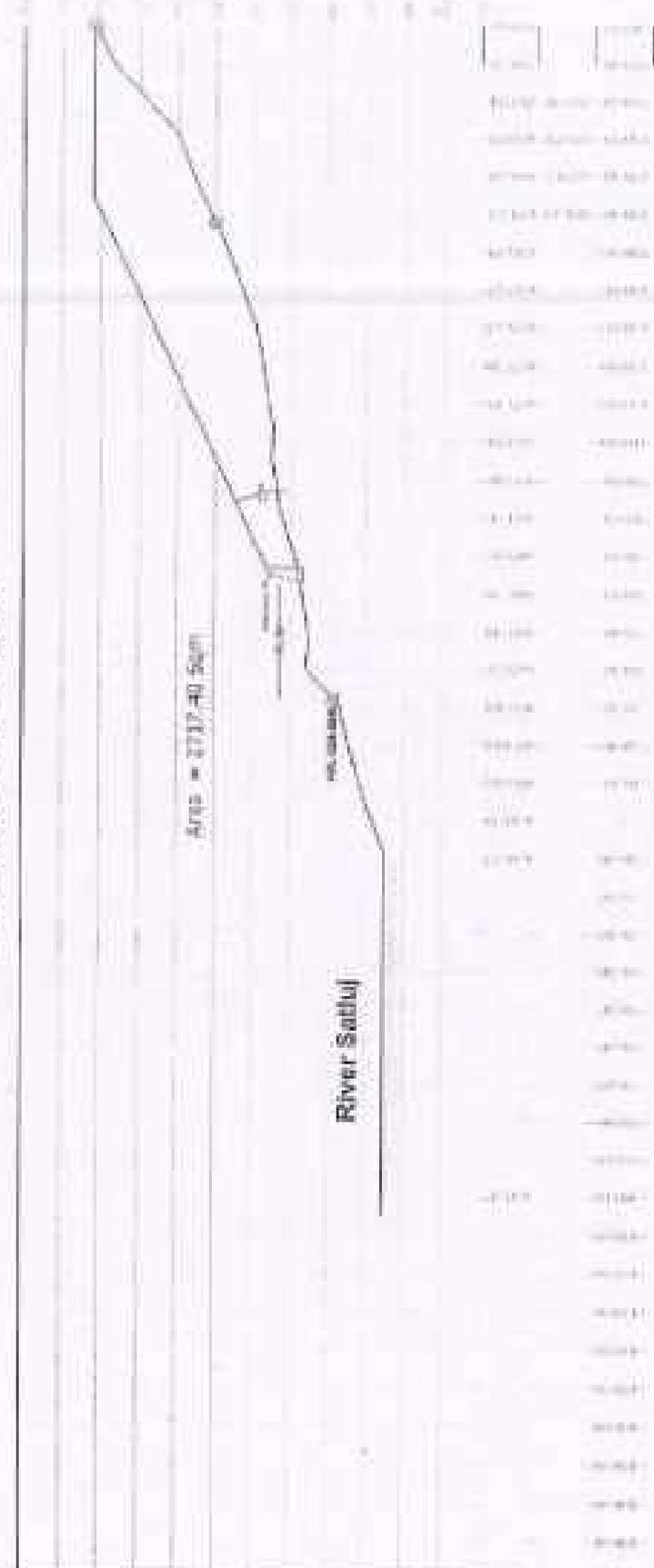
E. R. Nogi
Head of Project
SJVN, LHEP, Bimal

ELEVATION
OFFSET

Handwritten signature.

289
281

Dumping Site Lunsu



X-Section at RD 0/270 m

[Handwritten signature]

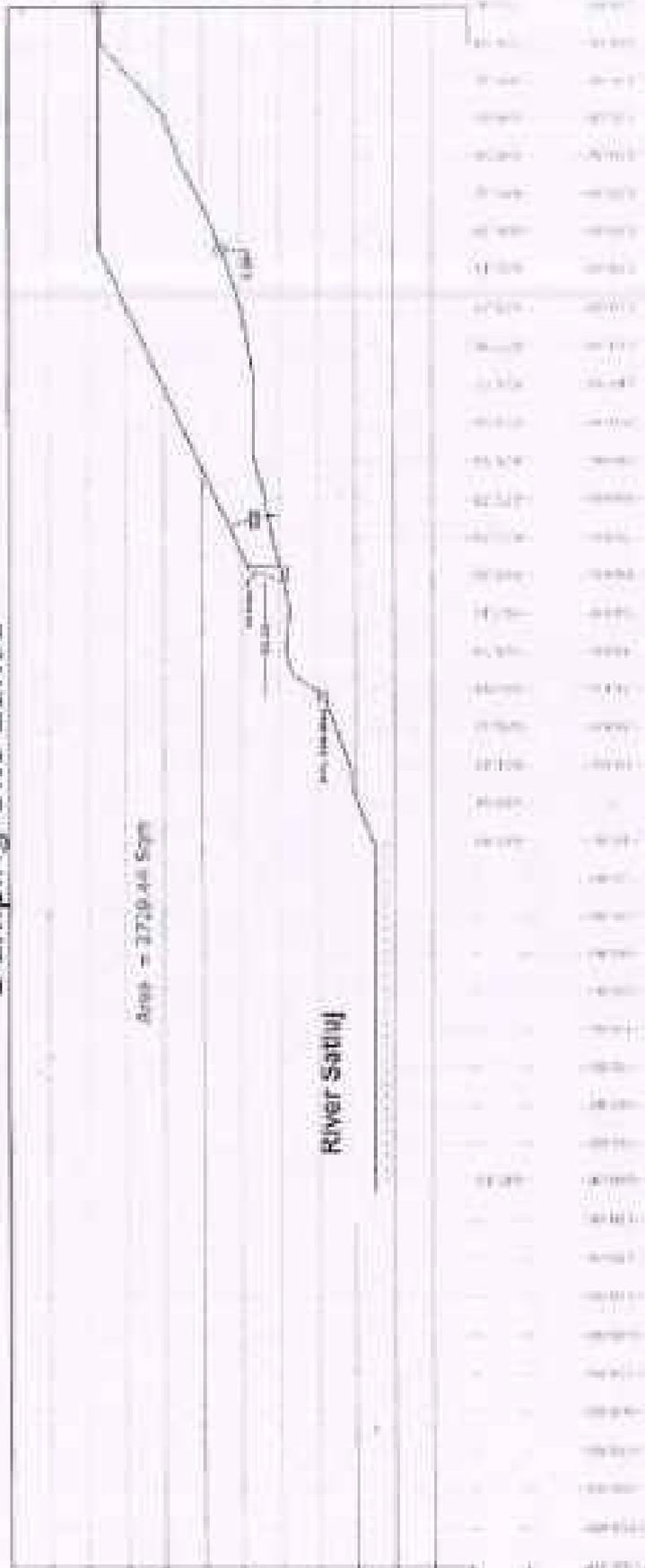
Er. R. L. Negi
Head of Project
SJVN LHEP, Bihal

ELEVATION
CHAINAGE

[Handwritten signature]

290
520

Dumping Site Lunsu



Area = 3720.44 Sqm

RIVER SATHIJI

X-Section at RD 0/280 m

A. U. Singh

Er. R. L. Negi
Head of Project
SJVN, EHEP, Bhal

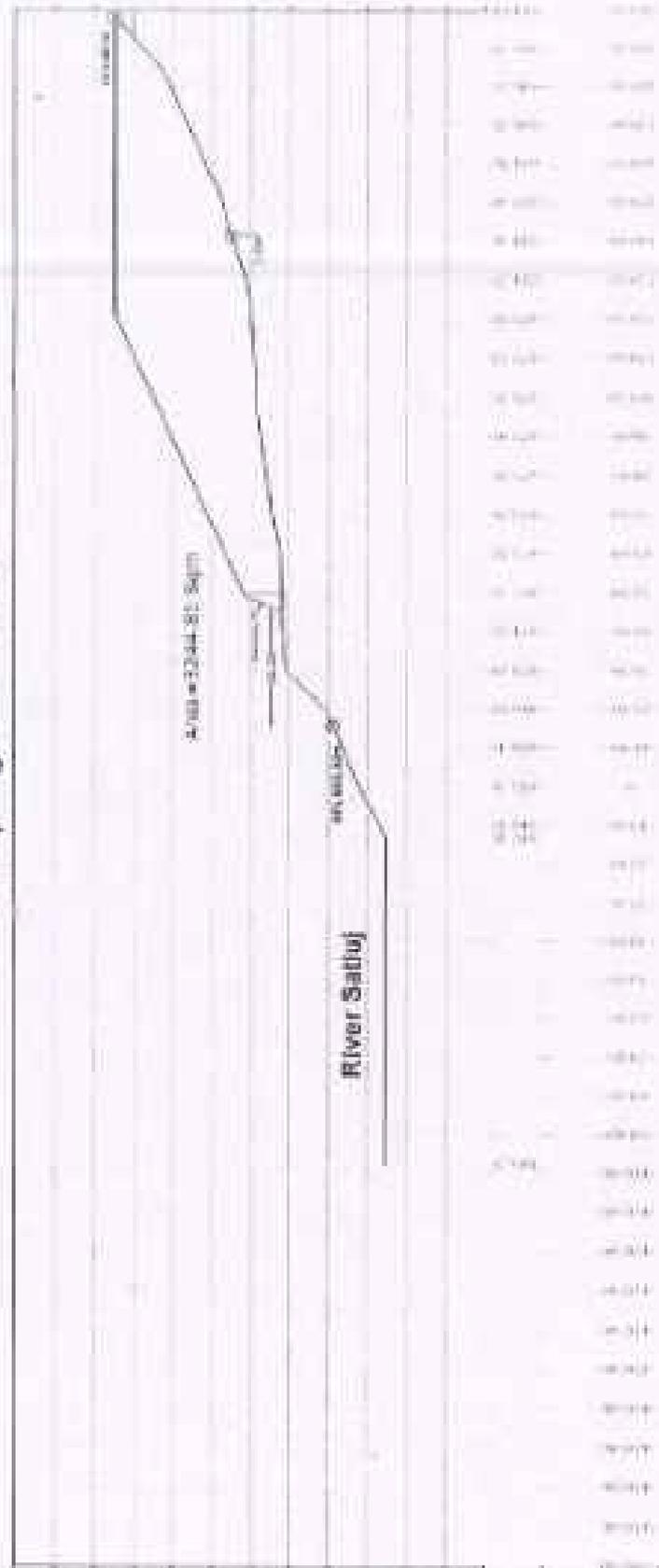
ELEVATION

OFFSET

Signature

(Handwritten signature)

Dumping Site Lunsu



(Handwritten initials)

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

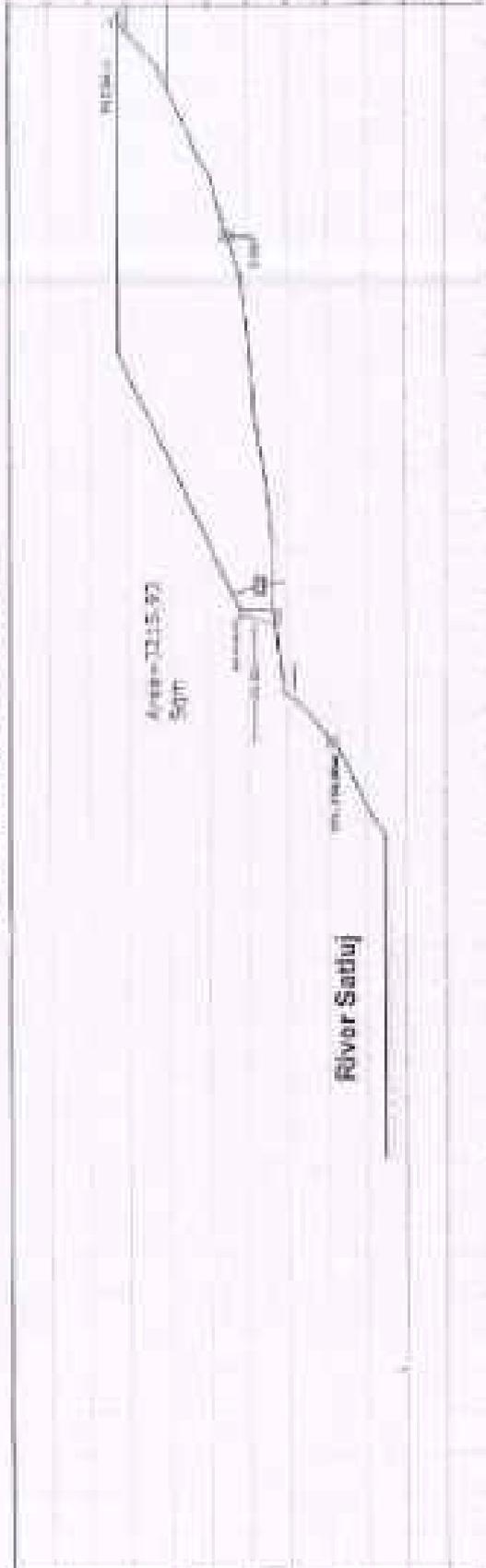
ELEVATION

OFFSET

(Handwritten signature)

292
285

Dumping Site Lunsu



Station	2+70	2+80	2+90	3+00	3+10
Elevation	13.0	13.5	14.0	13.0	12.5
Profile	13.0	13.5	14.0	13.0	12.5

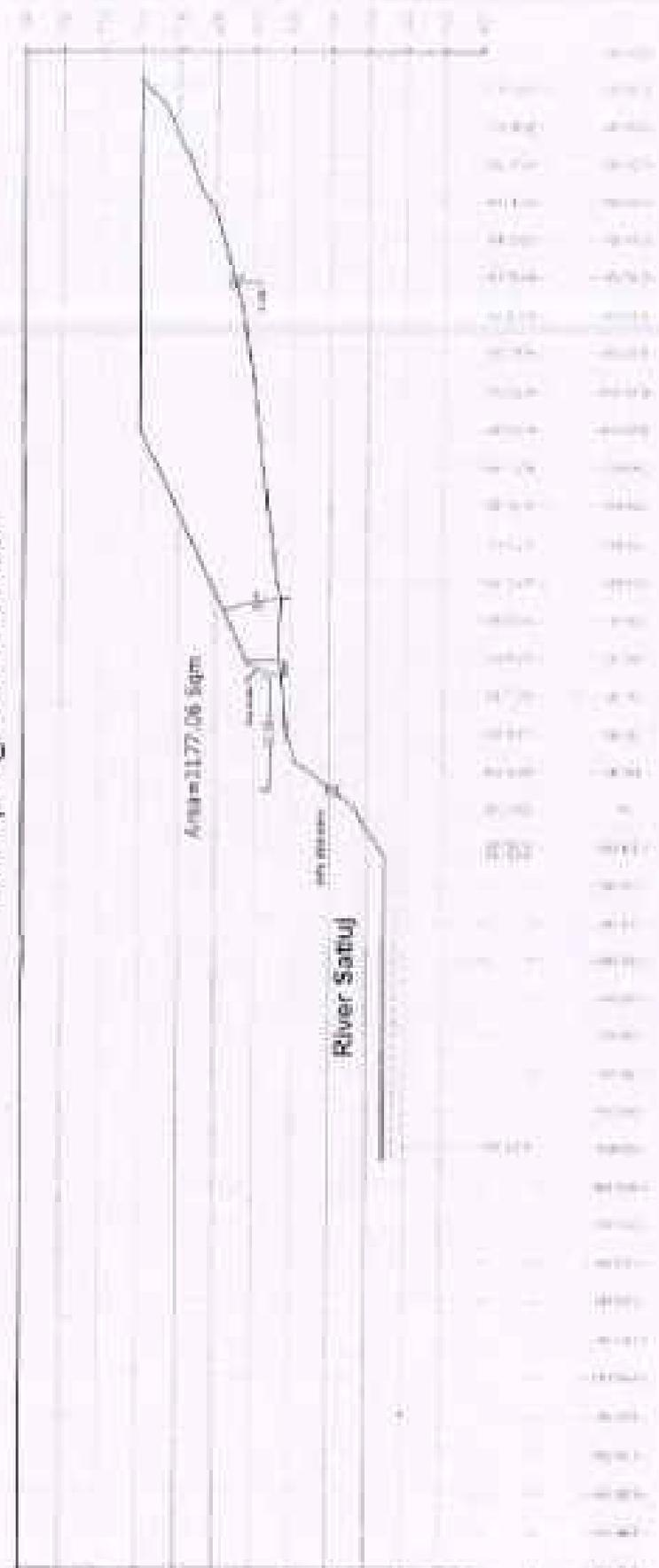
X-Section at RD 0/310 m

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

ELEVATION: _____
 DISTRICT: _____

[Signature]

Dumping Site Lunsu



X-Section at RD 0/320 m

Handwritten signature

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

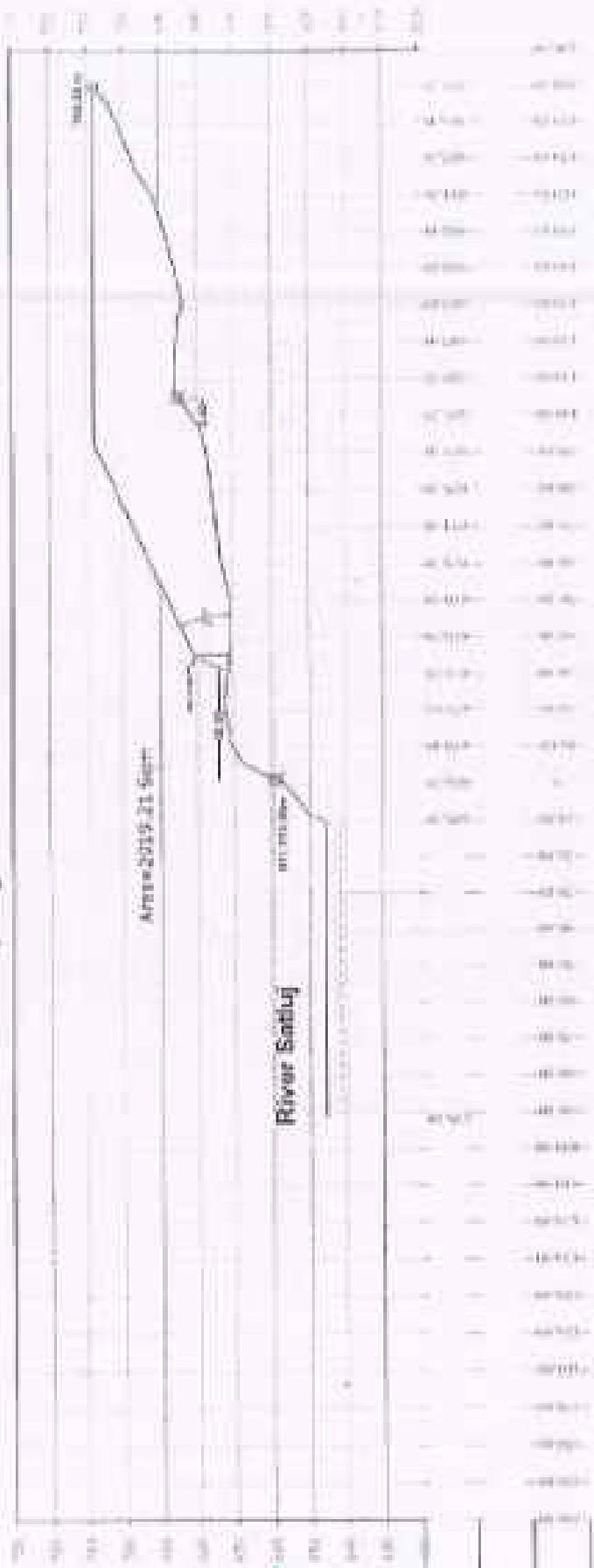
REVISION	
OFFSET	

Signature

29
28

295
282

Dumping Site Lunsu



X-Section at RD 0/330 m

[Handwritten signature]

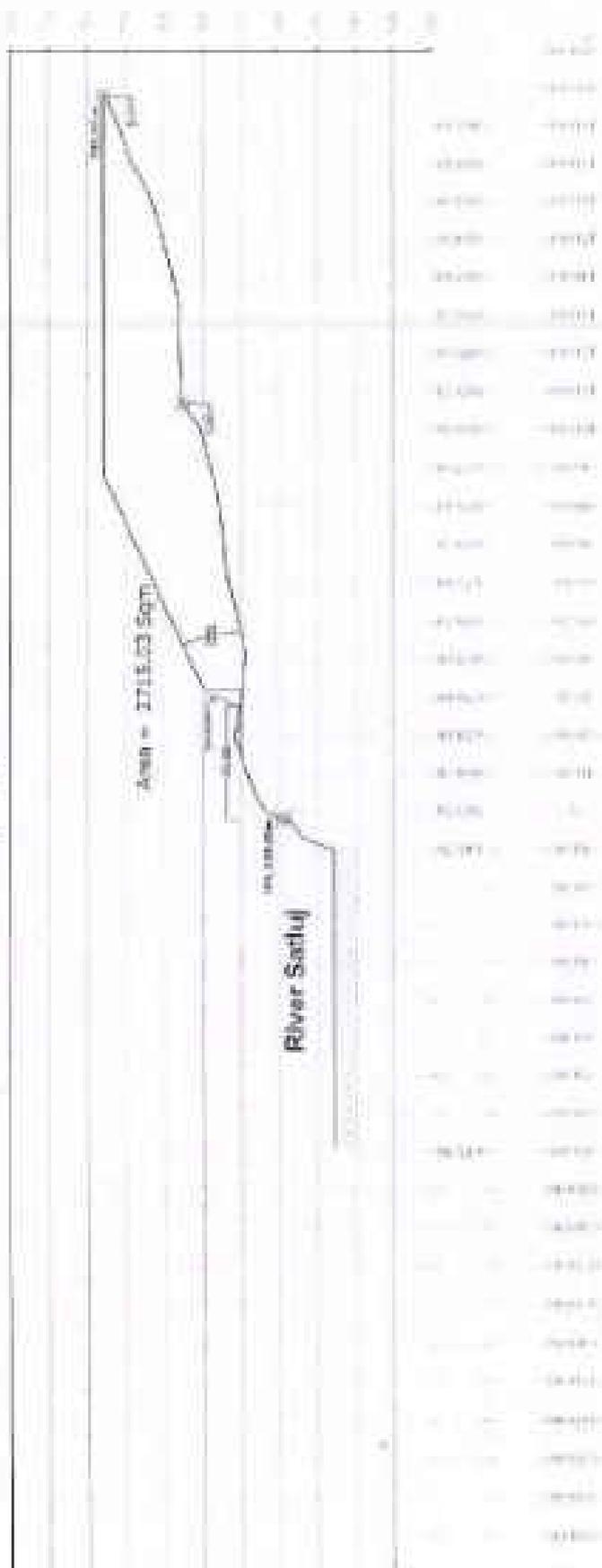
Er. R. L. Negi
Head of Project
SJVN, LNEP, Bilal

ELEVATION
DEPTH

[Handwritten signature]

246
259

Dumping Site Lunsu



X-Section at RD 0/340 m

[Handwritten signature]

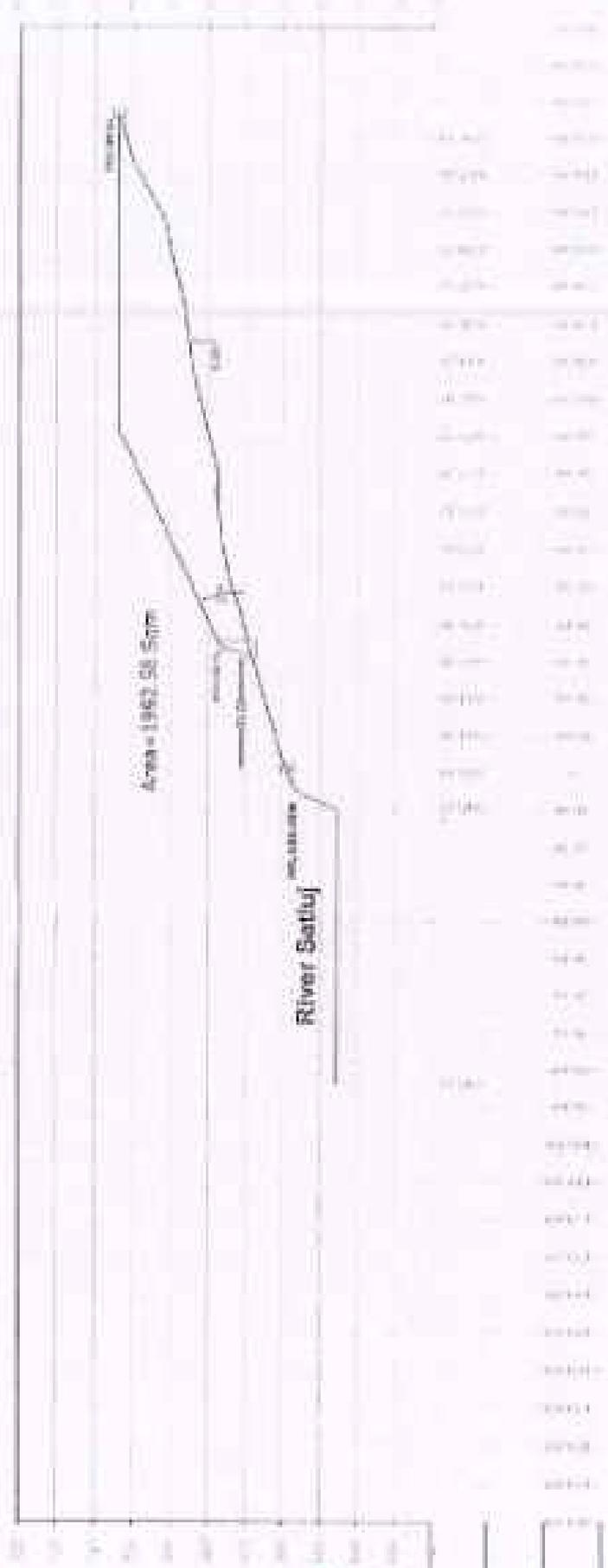
Er. R. L. Negi
Head of Project
BJVN, LHEP, Bimal

ELEVATION
10.00
9.50
9.00
8.50
8.00
7.50
7.00
6.50
6.00
5.50
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00

[Handwritten signature]

290
290

Dumping Site Lunsu



X-Section at RD 0/360 m

Handwritten notes:
1. 10/10/20
2. 10/10/20

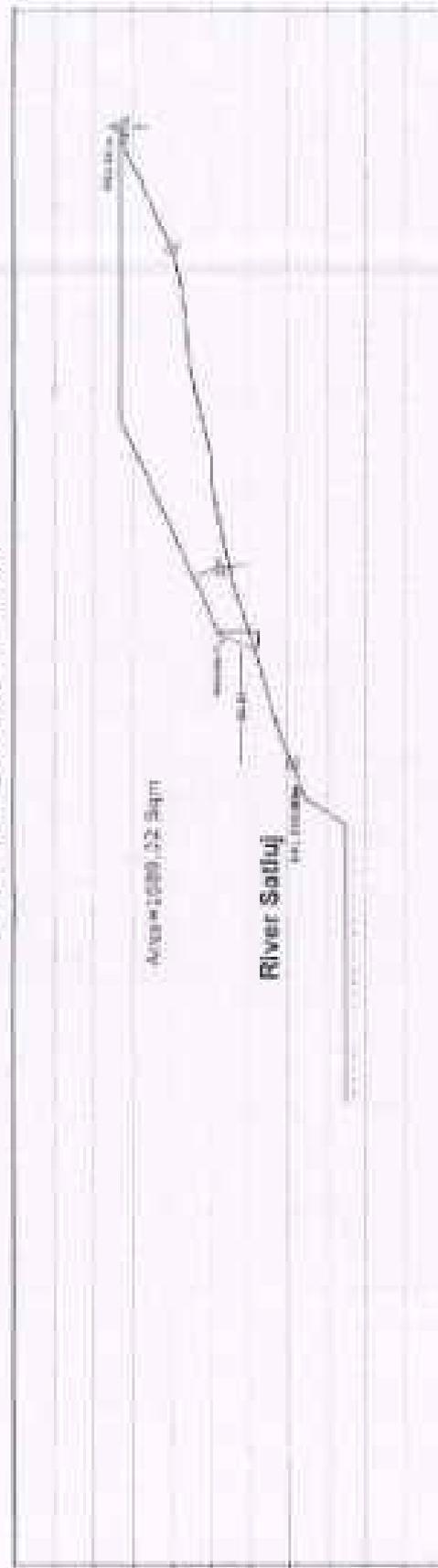
Er. R. L. Negi
Head of Project
SJVN, LHFP, Bina

ELEVATION	OFFSET
10.00	0.00
9.50	1.00
9.00	2.00
8.50	3.00
8.00	4.00
7.50	5.00
7.00	6.00
6.50	7.00
6.00	8.00
5.50	9.00
5.00	10.00
4.50	11.00
4.00	12.00
3.50	13.00
3.00	14.00
2.50	15.00
2.00	16.00
1.50	17.00
1.00	18.00
0.50	19.00
0.00	20.00

Signature

299
591

Dumping Site Lunsu



4000000.00 Sqm

River Sattuj

X-Section at RD 0/370 m

A. Khan

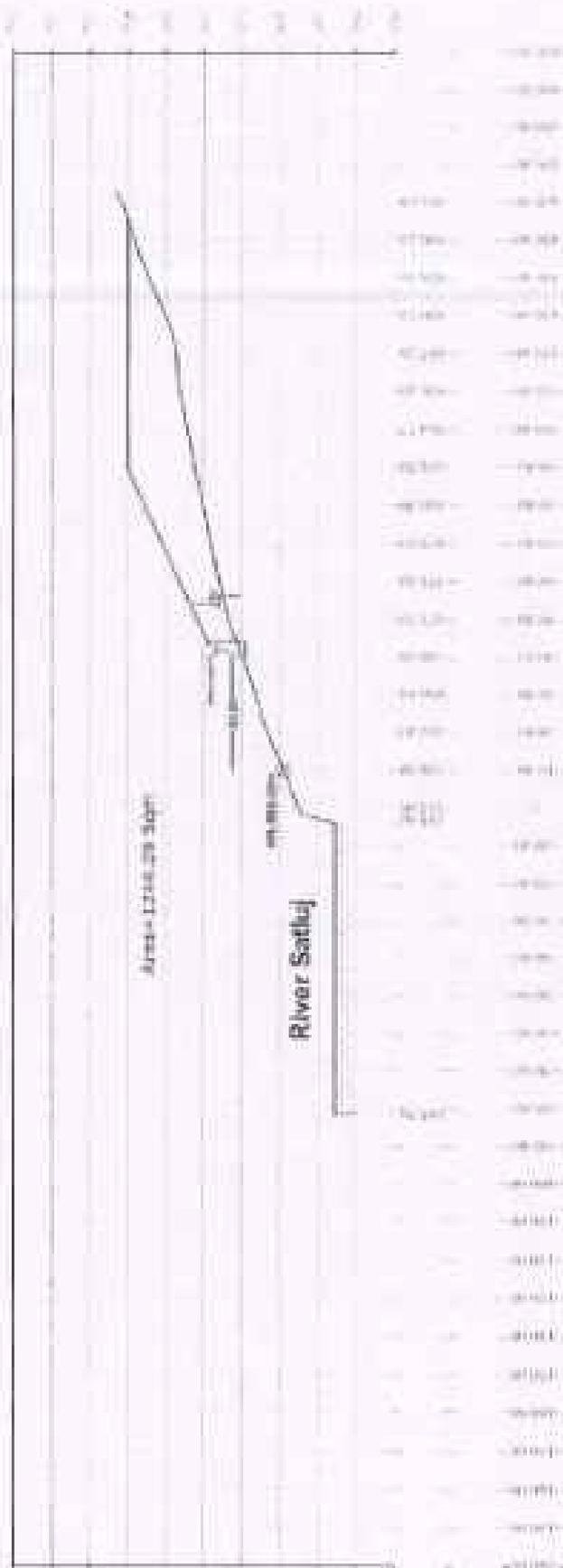
Er. R. L. Negi
Head of Project
SJVN, LHEP, Bimal

SL. NO.	DESCRIPTION	DEPTH
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
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28		
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37		
38		
39		
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41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

S. Singh

307
292

Dumping Site Lunsu



X-Section at RD 0/380 m

Er. R. L. Negi

Er. R. L. Negi
Head of Project
RJVN, LHEP, Bihari

ELEVATION

Offset

Signature

200
200

Dumping Site Lunsu

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

Aug-2007-05 Satm

River Sathuj



X-Section at RD 0/390 m

Handwritten signature

Er. R. L. Nagi
Head of Project
SJVN, LHEP, Bopal

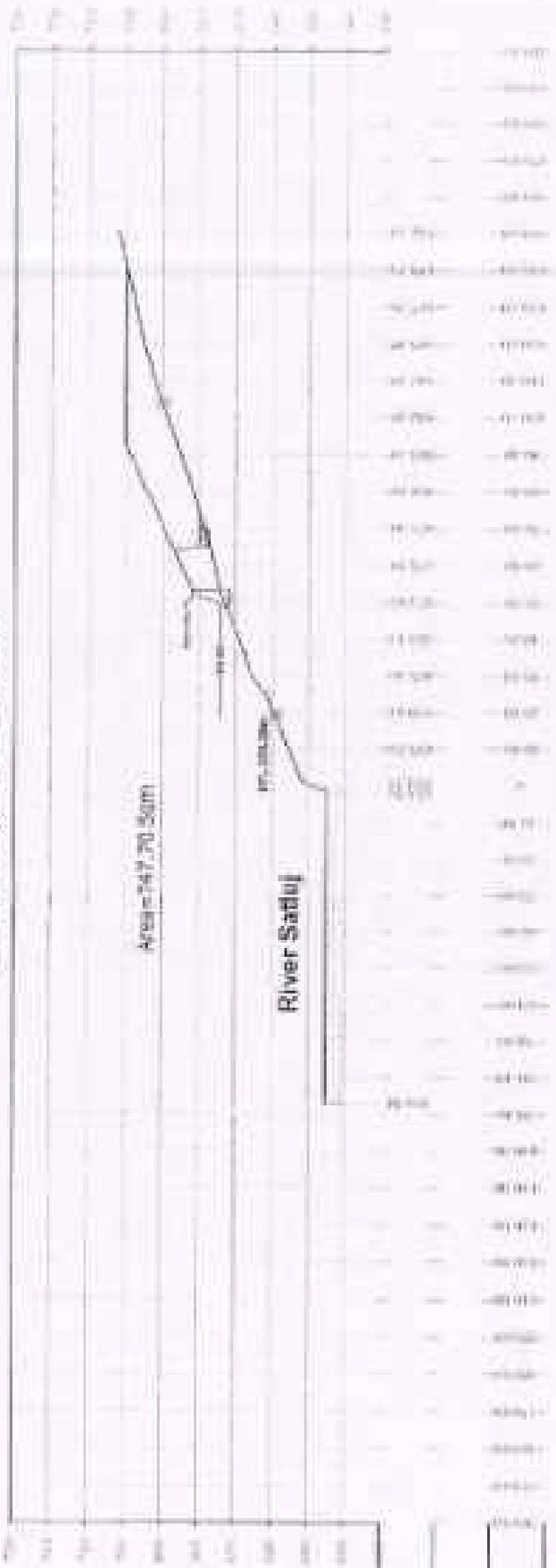
ELEVATION

OFFSET

Handwritten signature

302
294

Dumping Site Lunsu



X-Section at RD 0/400 m

K. Choudhary

Er. R. L. Negi
Head of Project
SUNV, LHEP, Bhat

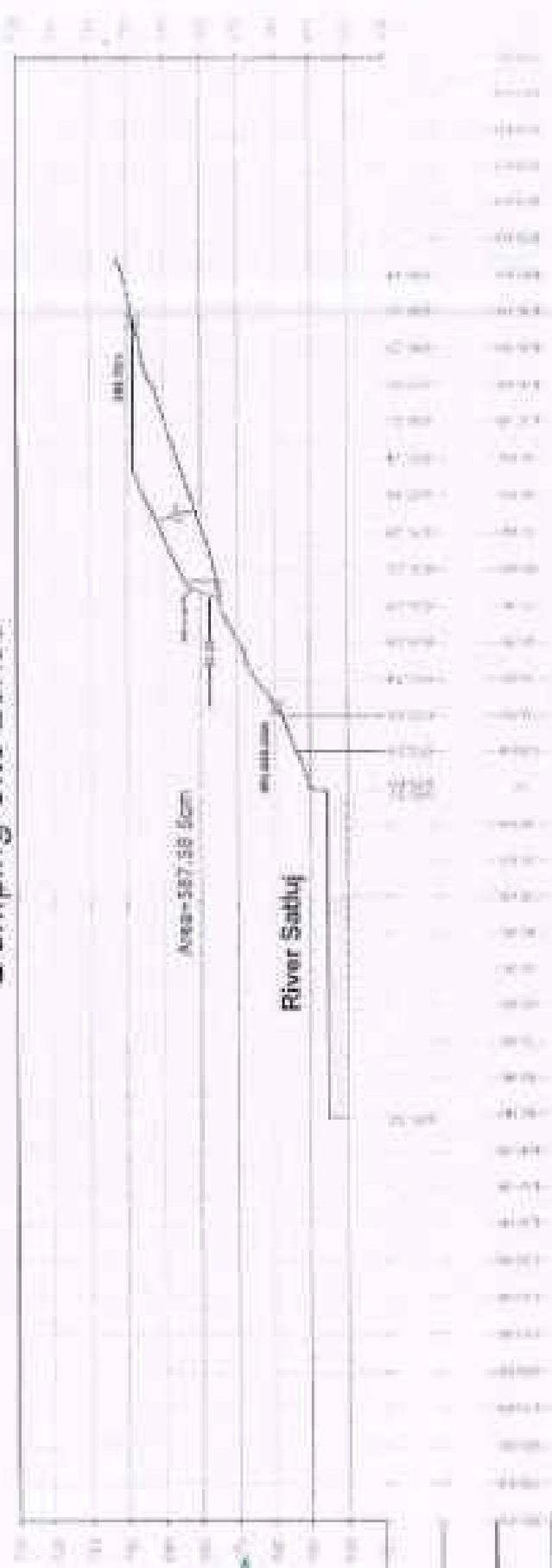
ELEVATION

DISTANCE

Signature

23/03
24/5

Dumping Site Lunsu



X-Section at RD 0/4.10 m

A. Khan

E. R. L. Negi
Head of Project
SJVN, LHEP, Bihari

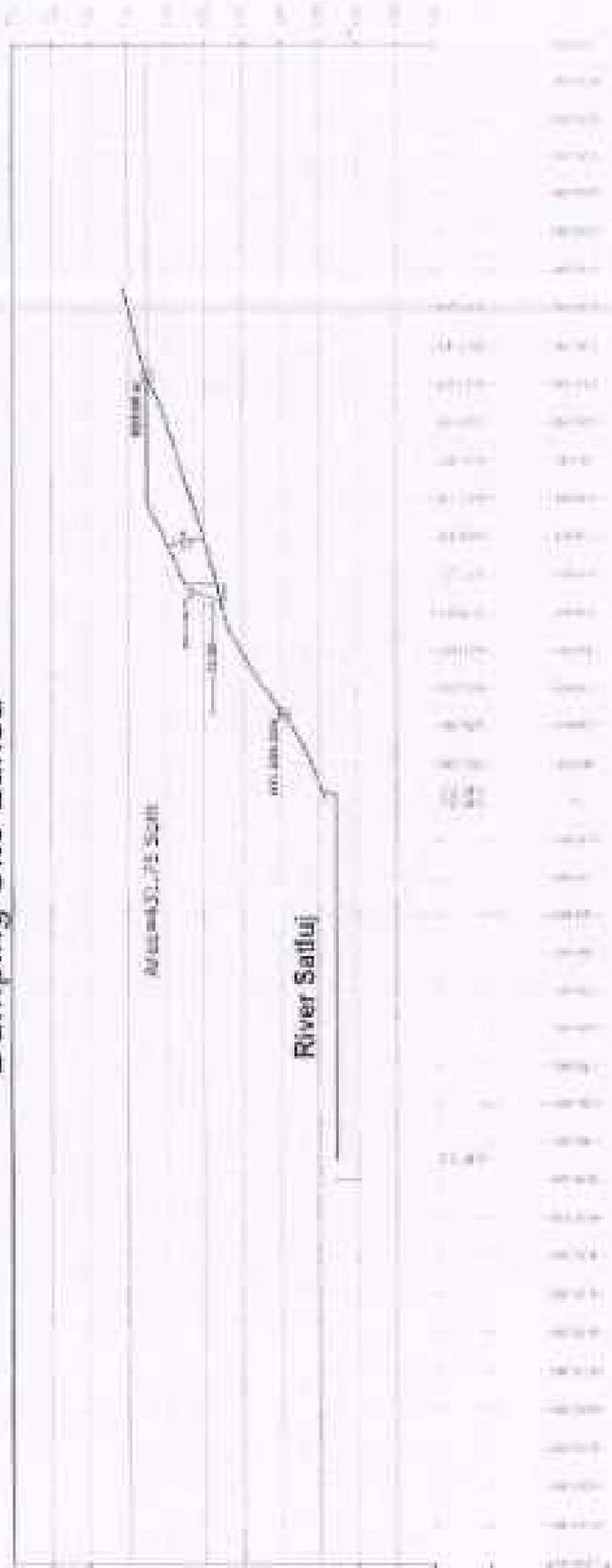
ELEVATION

OFFSET

Client

304
296

Dumping Site Lunsu



X-Section at RD 0/420 m

Handwritten signature/initials in blue ink.

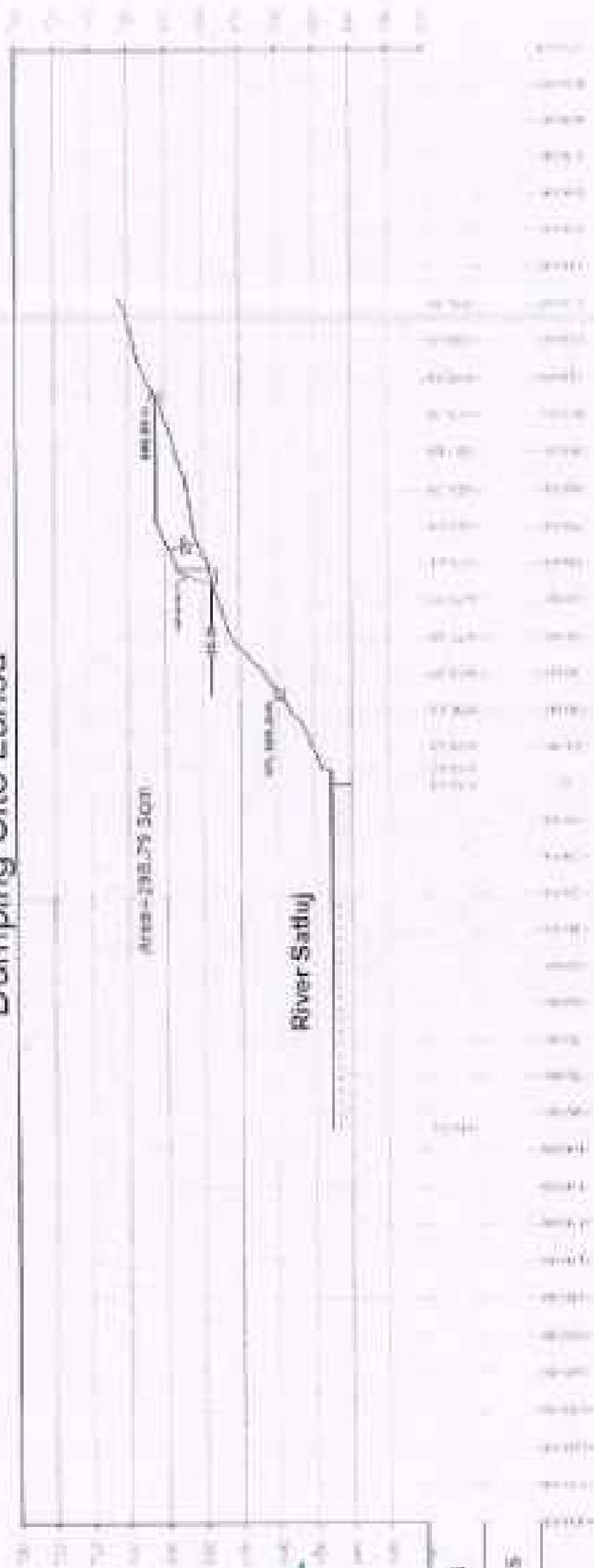
E. R. L. Negi
Head of Project
SJVN, LHEP, Bina

elevation
0
1
2
3
4
5
6
7
8
9
10

distance
0
10
20
30
40
50
60
70
80
90
100

Copy

Dumping Site Lunsu



X-Section at RD 0/430 m

E. R. L. Negi

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

EXISTING ELEVATIONS

PROPOSED ELEVATIONS

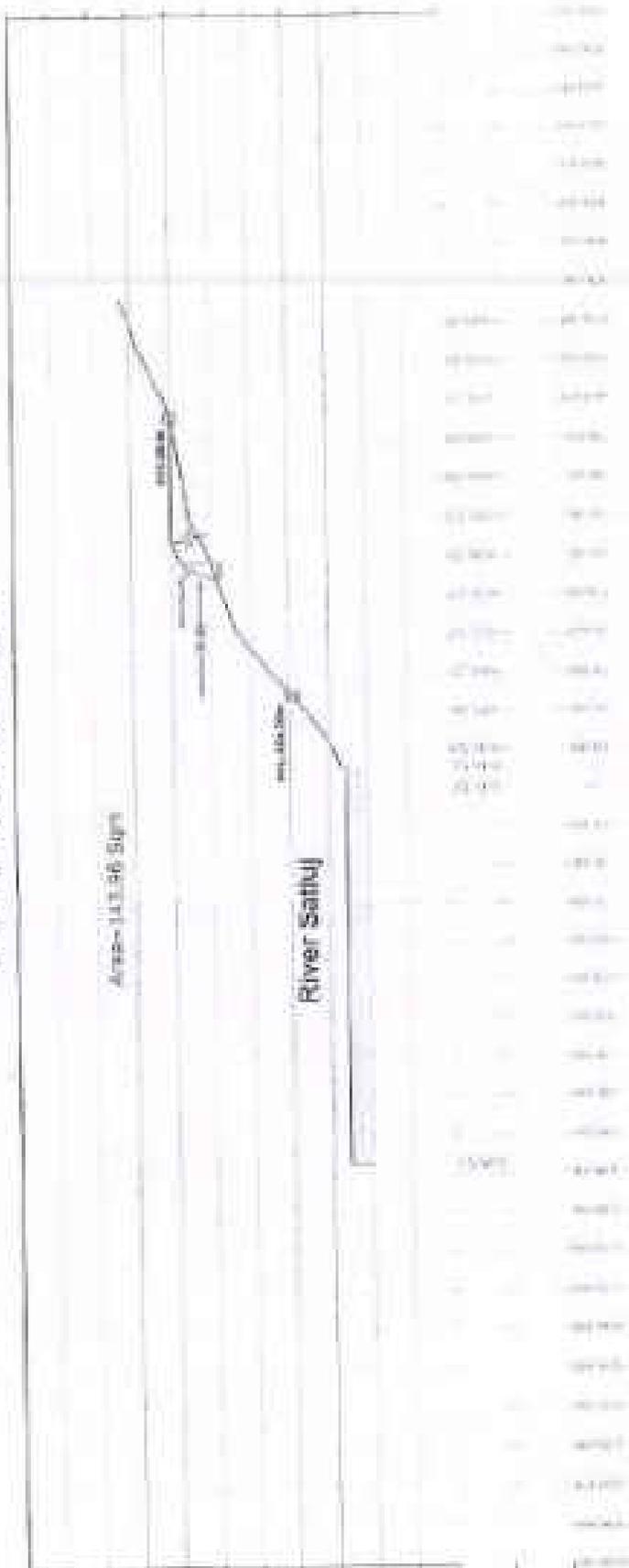
Offset

Sigra

Sos
247

306
308

Dumping Site Lunsu



X-Section at RO 0/440 m

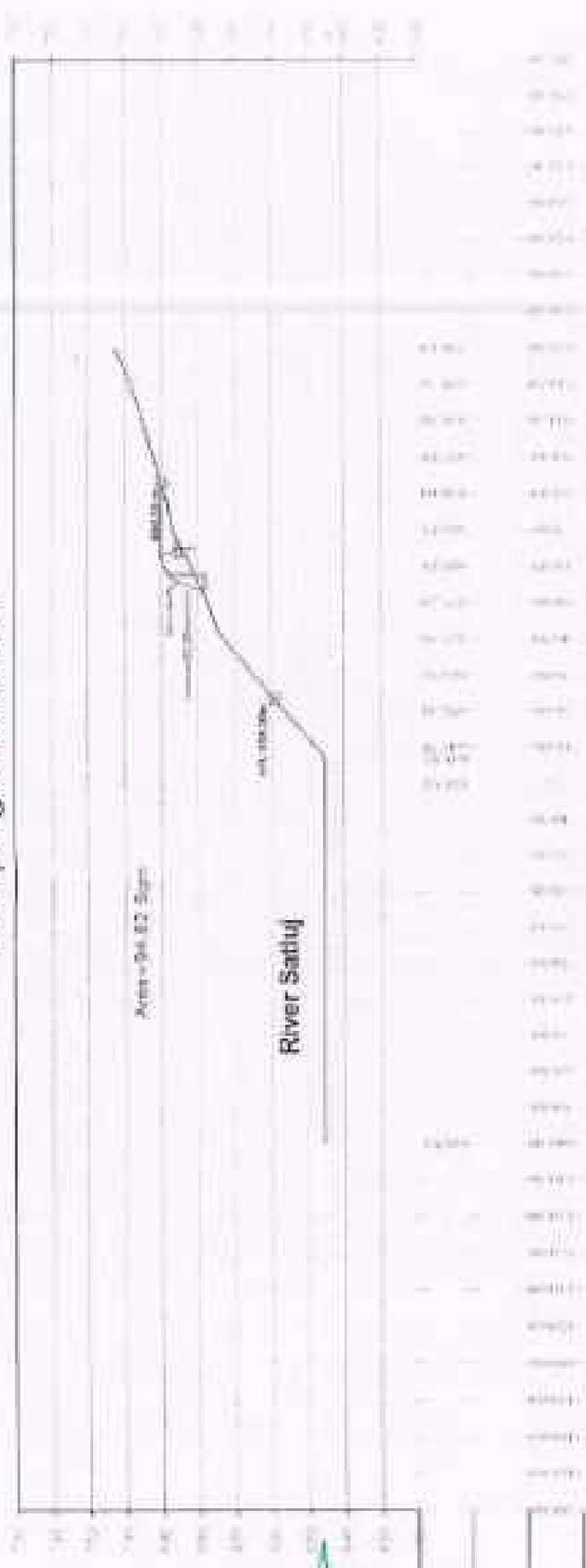
E. R. L. Negi

E. R. L. Negi
Head of Project
SWM, LHEP, Bahal

ELEVATION	OFFSET
20	0
21	10
22	20
23	30
24	40
25	50
26	60
27	70
28	80
29	90
30	100

Copy

Dumping Site Lunsu



Area = 94.62 Sqm

River Satiuj

X-Section at RD 0/450 m

l. Khan

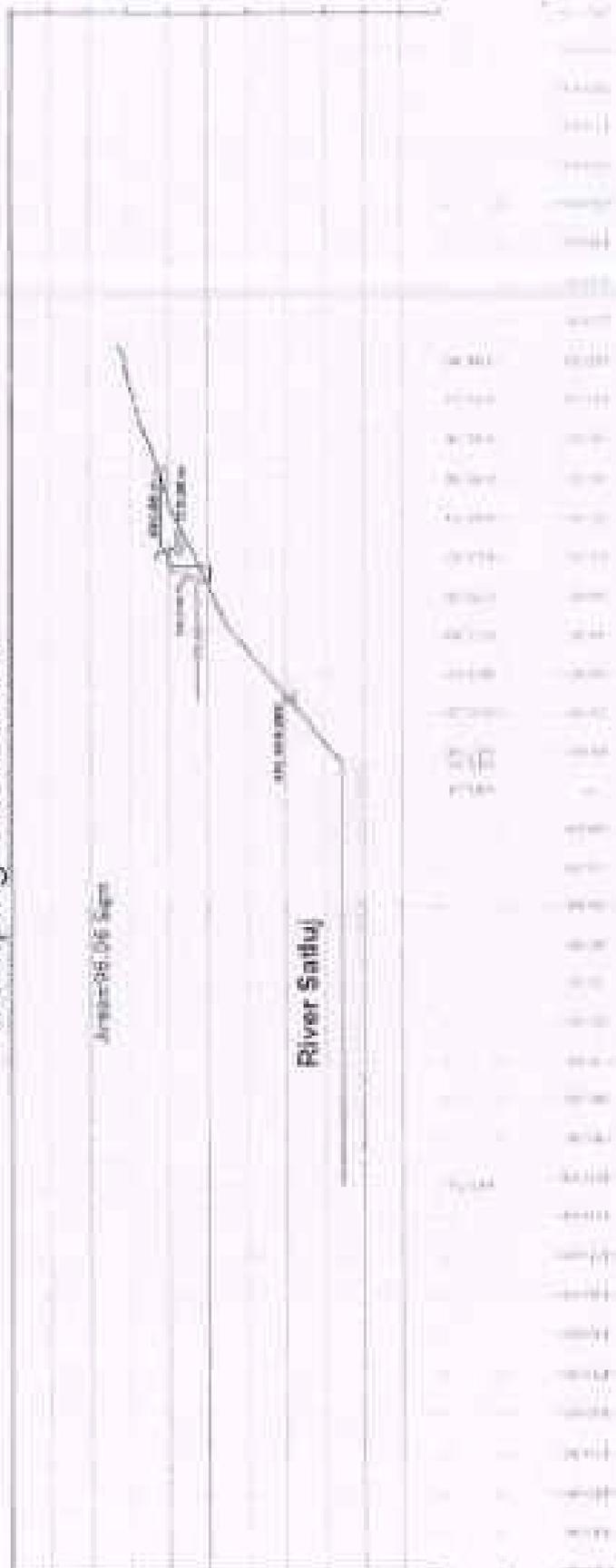
Er. R. L. Negi
Head of Project
SJVN, LHPP, Bihari

ELEVATION	OFFSET
1.00	0.00
1.00	0.50
1.00	1.00
1.00	1.50
1.00	2.00
1.00	2.50
1.00	3.00
1.00	3.50
1.00	4.00
1.00	4.50
1.00	5.00
1.00	5.50
1.00	6.00
1.00	6.50
1.00	7.00
1.00	7.50
1.00	8.00
1.00	8.50
1.00	9.00
1.00	9.50
1.00	10.00
1.00	10.50
1.00	11.00
1.00	11.50
1.00	12.00
1.00	12.50
1.00	13.00
1.00	13.50
1.00	14.00
1.00	14.50
1.00	15.00
1.00	15.50
1.00	16.00
1.00	16.50
1.00	17.00
1.00	17.50
1.00	18.00
1.00	18.50
1.00	19.00
1.00	19.50
1.00	20.00

Sharma

7/2/20
10/2/20

Dumping Site Lunsu



X-Section at RD 0+460 m

L. Negi

Er. R. L. Negi
 Head of Project
 SVM, LHEP, Bihar

ELEVATION

OFFSET

Copy

307
308

Dumping Site Lunsu



X-Section at RD 0/470 m

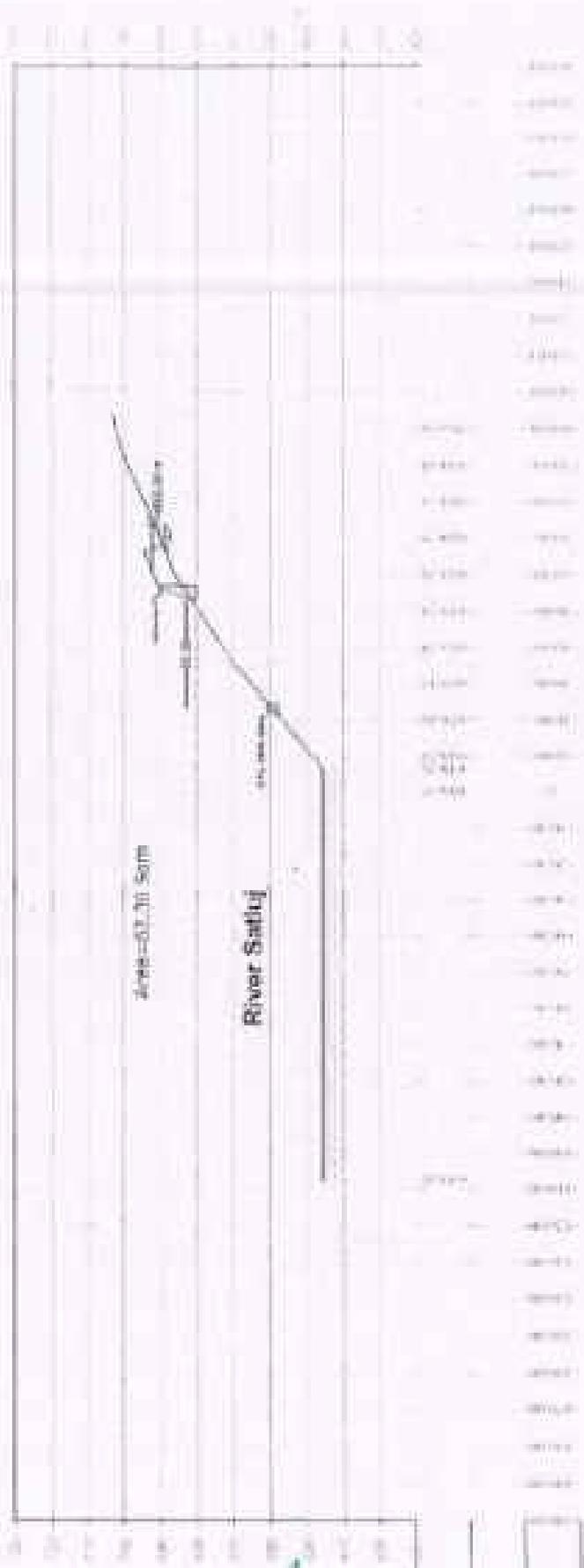

E.F. R. L. Negi
 Head of Project
 SJVN, LNEP, Bina

ELEVATION	100.00	100.00	95.00	100.00
DISTANCE	0	10	20	30

Signature

301

Dumping Site Lunsu



X-Section at RD 0/480 m

Er. R. L. Nogi
 Head of Project
 SJVN, LHEP, Bihar

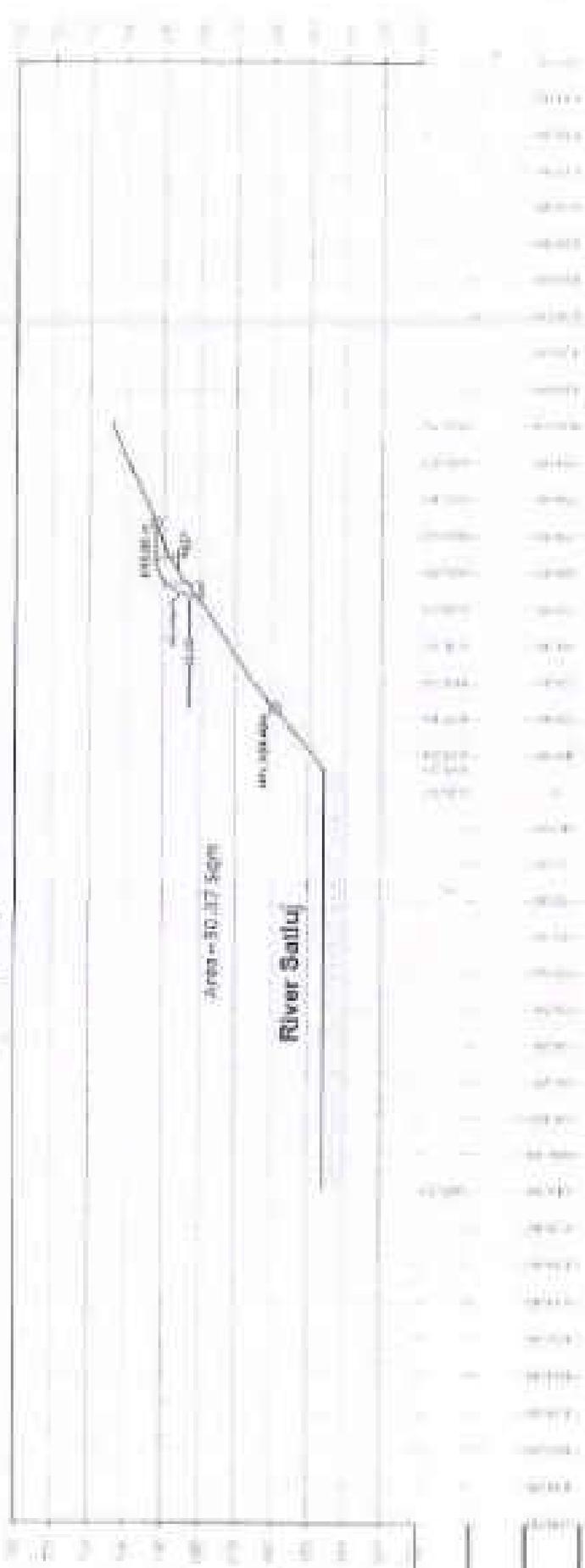
ELEVATION

DEPTH

Signature

Handwritten marks

Dumping Site Lunsu



X-Section at RD 0+490 m

Handwritten initials

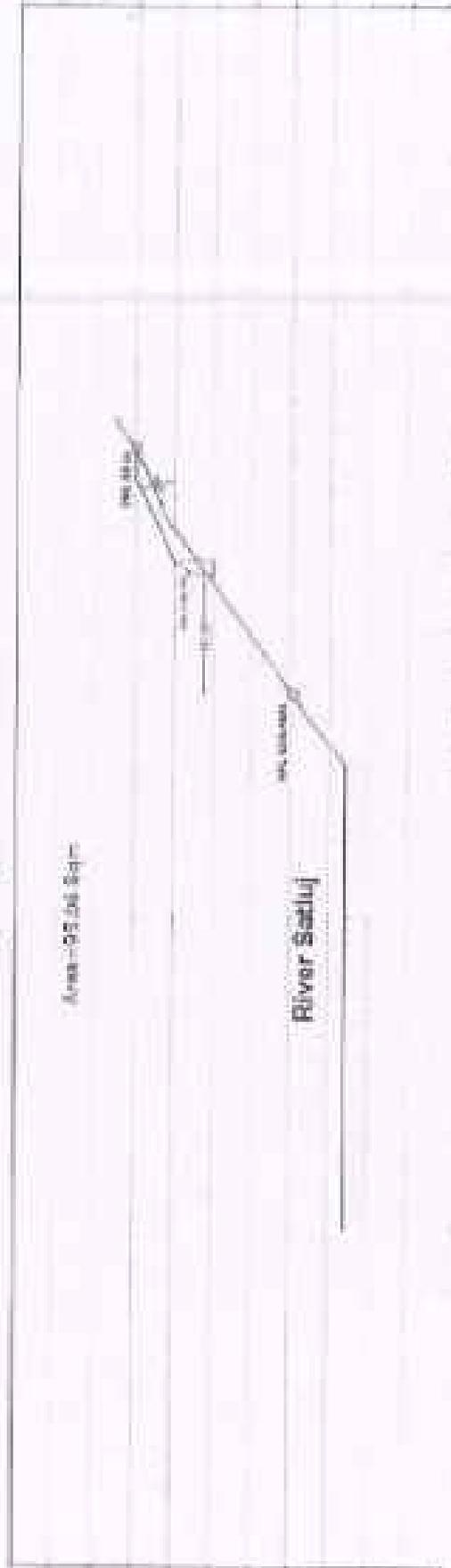
Er. R. L. Negi
Head of Project
S.V.N. LHEP, Bithur

ELEVATION	OFFSET
10.00	0.00
9.50	1.00
9.00	2.00
8.50	3.00
8.00	4.00
7.50	5.00
7.00	6.00
6.50	7.00
6.00	8.00
5.50	9.00
5.00	10.00
4.50	11.00
4.00	12.00
3.50	13.00
3.00	14.00
2.50	15.00
2.00	16.00
1.50	17.00
1.00	18.00
0.50	19.00
0.00	20.00

Signature

Handwritten notes in circles

Dumping Site Lunsu



X-Section at RD 0/510 m

A. Men

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

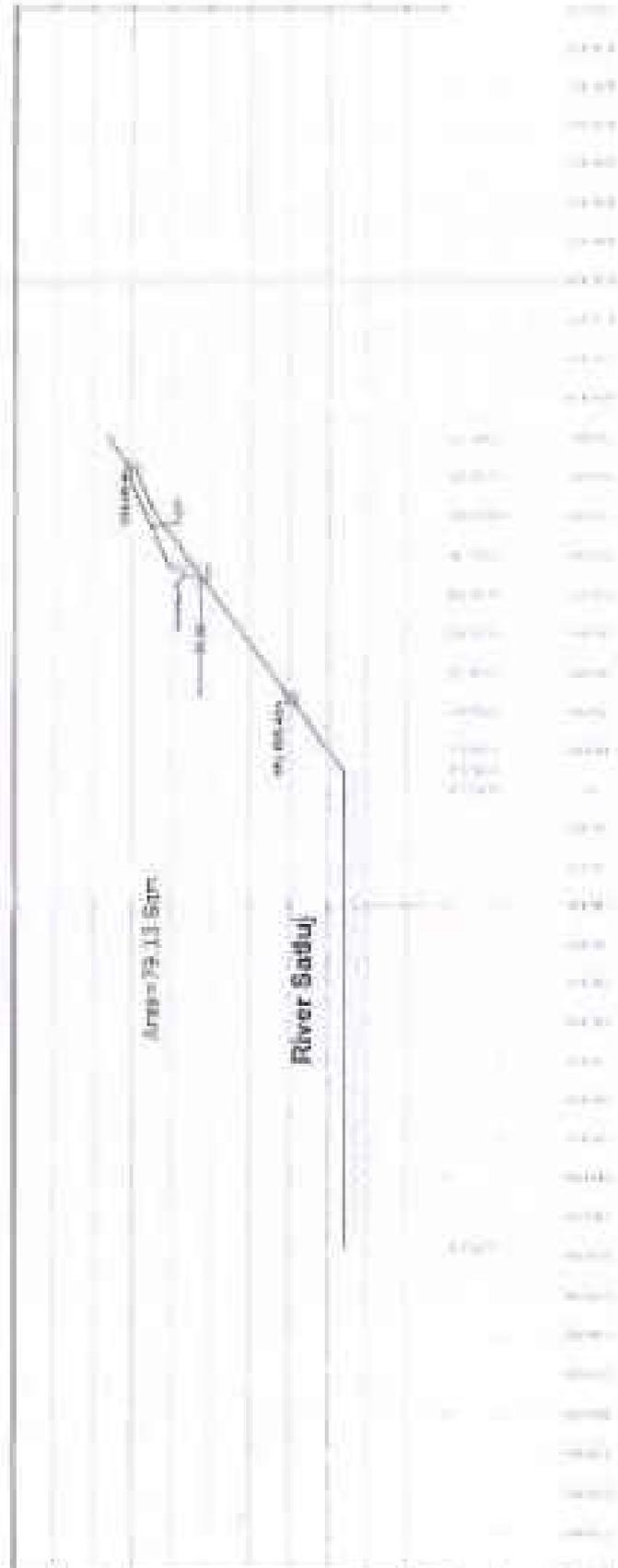
ELEVATION

DISTANCE

S. Singh

(R/L)
(S/S)

Dumping Site Lunsu



Handwritten signature

Er. R. L. Negi
 Head of Project
 SJVN, IHEP, Bihari

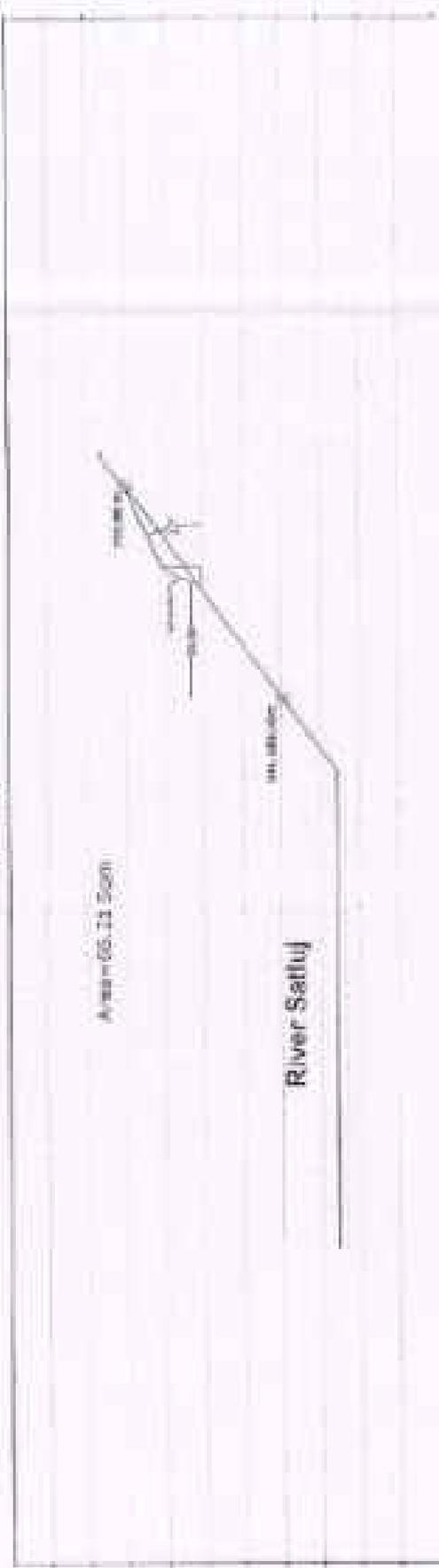
ELEVATION

OFFSET

Handwritten signature

Handwritten initials/signature

Dumping Site Lunsu



Area = 65.21 Sqm

River Sattuj

X-Section at RD 0/530 m

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

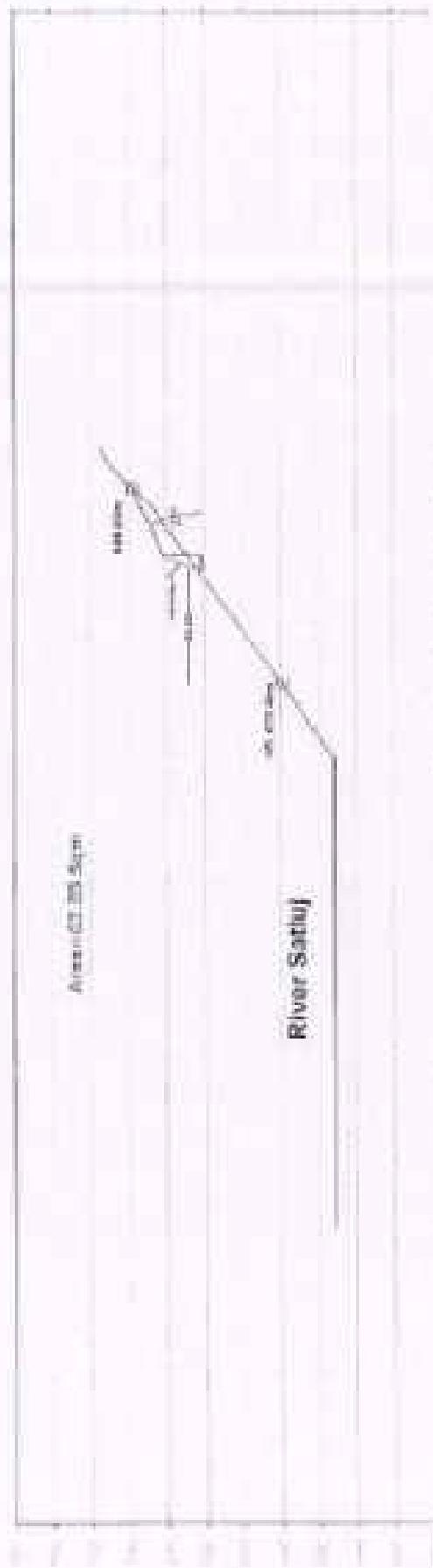
ELEVATION

OFFSET

Signature

Handwritten initials/signature in a circle

Dumping Site Lunsu



X-Section at RD 01540 m

(Handwritten signature)

Er. R. L. Negi
Head of Project
SIVN, LTD. - Bihar

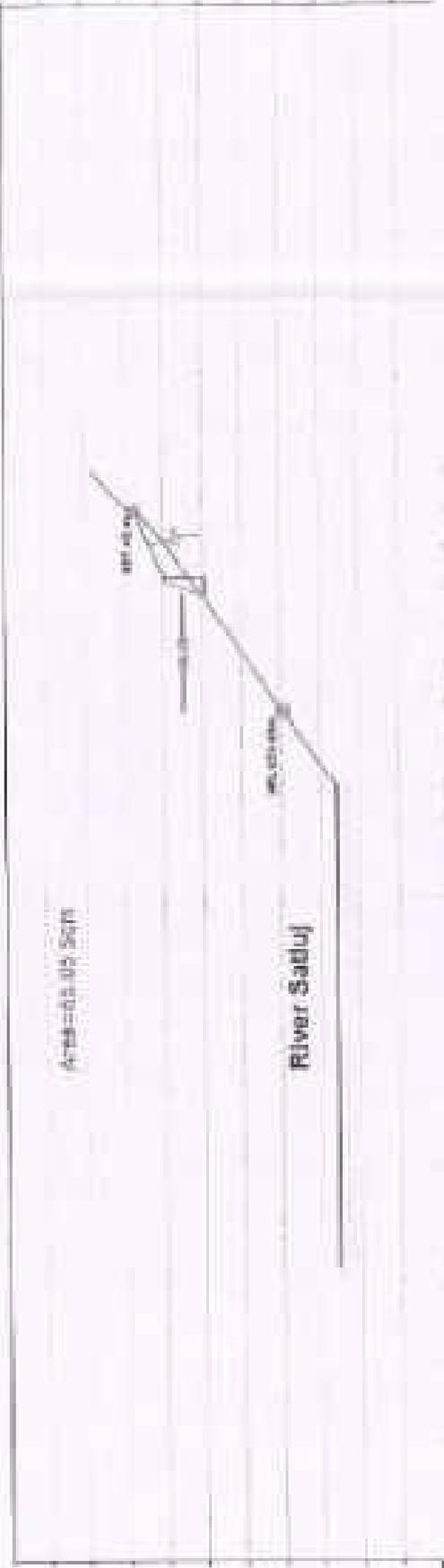
ELEVATION

CHIEF

(Handwritten signature)

(Handwritten initials)

Dumping Site Lunsu



X-Section at RD 0/550 m

Er. R. L. Negi
Head of Project
SJVN LHEP Div

SIGNATURE

DATE

Draw

312
309

-11

(319)

Certificate.

It is certified that the distance of wild life sanctuary Majhatal & Shimla Wildlife Catchment Area from the project site i.e Luhari Hydro Electric Project, SJVN, Ltd. is more than 10 KM and project site does not form the part of Eco Sensitive zone or any wildlife sanctuary.

↓

Divisional Forest Officer,
Shimla Forest Division,
Tel Shimla Forest Officer
Shimla Forest Division
SHIMLA

Sushil Kumar HPPS

250
511

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

Tac Dy. General Manager (Env.),
Sunni Dam Project,
SJVN Ltd., Bihar,
Vill. Rewali, P.O. Samaspaha,
Teh. Kamarian, 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 I/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 Majantul Wildlife Sanctuary and is located at a distance of 15.5 km from the boundary of Majantul 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,


Principal Chief Conservator of Forests,
(Wildlife-cum-CWLW, HP Shimla)


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

Encl. No. WL (Misc.)-60/HEPs/Vol.III/ _____ Dated _____

Copy to CCF WL Circle (S) Shimla w.r.t. his Memo, No. M-17/4481 dated 28.12.2017 for information please.

SJM (ENV)

Env/Dept-730
12-1-18



Principal Chief Conservator of Forests,
(Wildlife-cum-CWLW, HP Shimla)

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

Full title of project: LUHRI HYDRO ELECTRIC PROJECT, SJVN LIMITED Hydel Sunni Dam Project FP/HP/HYD/31019/2017.

CALCULATION OF THE NET PRESENT VALUE (NPV) OF THE FOREST LAND BEING DIVERTED FOR THE CONSTRUCTION OF LUHRI HYDRO ELECTRIC PROJECT, SJVN LIMITED Hydel Sunni Dam Project, TEHSIL SUNI DISTRICT SHIMLA H.P.

In consonance to the order dated 28.03.2008 of Hon'ble Supreme Court of India in writ petition (Civil) number 202 of 1995, the net present value of the forest being diverted is calculated as under:

The Ecological class VI includes the forest type found in the forest being diverted. The average density of the forest is 0.0575 i.e. Open Forest.

The Hon'ble Supreme Court has fixed N.P.V of Rs. 6, 99,000/- per hectare for class VI eco- value, Open Forest, hence the total value works out to be Rs. 11,13,84,532/- for 159.3484 ha. forest land being diverted.

Place: Shimla

Dated:

Divisional Forest Officer,
Shimla Forest Division,
Teh Nawal Pore
Shimla Forest Division
SHIMLA
(Sudhakar Kumar, HP FS.)

526
813

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील सुन्नी जिला शिमला दि० प्र० (DUMPING)

क्रमिक नं०/महाल	तहसील	जिला	नंबर खसरा	रकबा (है०मी०)
1	सुण्णु	सुन्नी	शिमला 10	0-55-42
			36	0-24-31
			37	0-22-23
			654/354/1	3-20-39
			नस्ता -4	4-22-35

(Handwritten signatures)

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

(Handwritten signature)

1. List

बिना पूरा

201
316

434

रजिस्ट्रार

महोदय

राजी

दिनांक 21 जनवरी

क्र.सं.	बकाया राशि		विवरण	प्रमाणित राशि	वर्ष नं. दिनांक	विवरण	दिनांक
	प्राथमिक	द्वितीय					
1	654	654					
	359	359					
				172	(100+52)/2 = 76	3-20-39	
				76	100/2 = 50	4-1-39	
				1855			
				2200	1100/2 = 550		
				441	67/2 = 33.5		
				257	103/2 = 51.5		
				4165	1300/2 = 650		
				511	73/2 = 36.5		
				1679	83/2 = 41.5		
				154	28/2 = 14		
				93	30/2 = 15		
				5040	14/2 = 7		
				3685	67/2 = 33.5		
				1920	118/2 = 59		
				900	70/2 = 35		
				32079			
				156			
				359			

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

156
359
2

अध्यक्ष/प्रमुख कार्य 7-8-16
अध्यक्ष

अध्यक्ष/प्रमुख कार्य 7-8-16
अध्यक्ष

21 318

सुन्नी बांध ढाल विद्युत परियोजना के लिए प्रस्तावित अधिग्रहण की जाने वाली सरकारी भूमि मौजा दुणसु सुन्नी, जिला शिमला, हि.प्र.। (Dumping)

क्रमांक	गांव / महल	तहसील	जिला	बजट संख्या	संख्या (बीघ)
1	दुणसु	सुन्नी	शिमला	50	00-14-80
2				35	00-18-61
				किला-2	00-33-41

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

राजस्थान विभाग, रिजर्वेशन प्रयोग - नकल अनादीदी

पत्र सं. : 4380/201905504
 भाग : XVZ
 प्रकल्प : SJVNL

पत्र सं. : 1
 पत्र सं. : 20
 पत्र सं. : 21

पत्र सं. : 106
 पत्र सं. : 106

पत्र सं. : 106

पत्र सं. : 2016-2017

पत्र सं. : 5-10-11

क्र. सं.	वर्गीकृत श्रेणी	वर्गीकृत श्रेणी का उपाखण्ड						
1	106	106	106	106	106	106	106	106
2	106	106	106	106	106	106	106	106

Er. P.L. Negi
 Chairman of Project
 SJVNL, LHEP, BHUJAL



पत्र सं. : 106

पत्र सं. : 2016-2017

पत्र सं. : 1

332
320

~~Printed Copy~~




E. R. L. Negi
CGM/Head of Project
SIVN, LHEP, Bithal

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राजस्थान विभाग, विभाजन प्रदेश - राजपूत जमाबंदी

प्लॉट नं. सी. 43800/520/1907/35
 ख. नं. : XYZ
 पंचायत : SOVNI

पान संख्या : 1
 पान क्रमांक : 20
 कुल पान : 21

क्र. नं. : 105
 शीतल : राजपूत

श्रीमान : राजपूत

दिनांक : 2016-2017

काल : 1-1-19

क्र. नं.	काल	श्रीमान	श्रीमती	पिता	पति	पुत्र	पुत्री	कुल
1	1950-51	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
2	1951-52	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
3	1952-53	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
4	1953-54	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
5	1954-55	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
6	1955-56	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
7	1956-57	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
8	1957-58	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
9	1958-59	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
10	1959-60	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
11	1960-61	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
12	1961-62	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
13	1962-63	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
14	1963-64	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
15	1964-65	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
16	1965-66	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
17	1966-67	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
18	1967-68	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
19	1968-69	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
20	1969-70	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत
21	1970-71	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत	राजपूत

ER. R.L. Negi
 Chairman of Project
 SOVNI, UHP, Bilhal



दिनांक : 01-Mar-2019

पृष्ठ संख्या : 1

335
322

1	2	3	4	5	6	7	8	9



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

[Handwritten Signature]

Find that this copy has been generated from the database of Revenue Department which was accessed by the User Mr/Ms/Kendra LMK Surmi on 06-March-2019

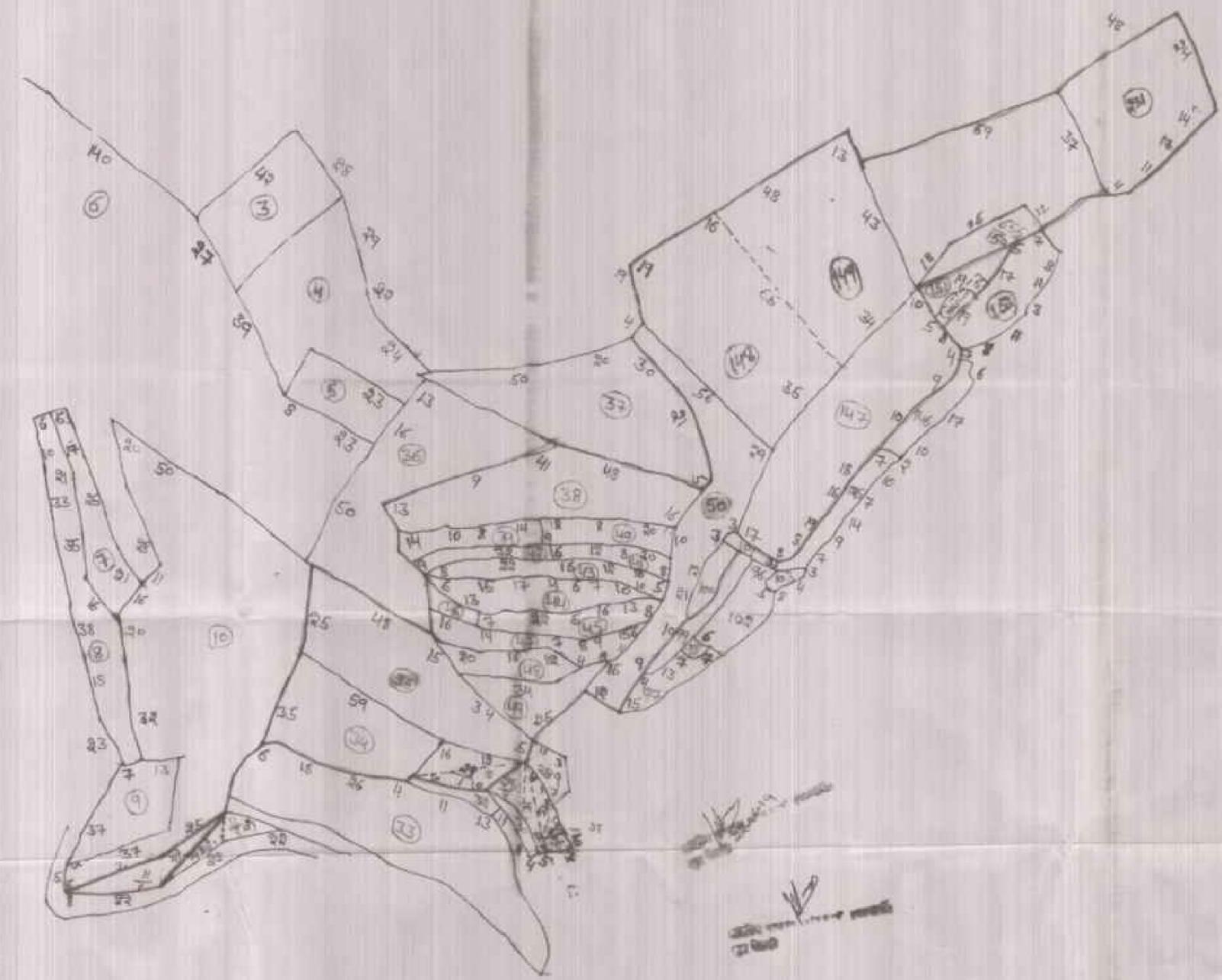
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<http://india.fairnc.information.in>
 For Verifying, please contact: 011-26100000 Dated 14-Feb-2019



नक्सल अक्स राजरा किल्लाद बन्दोबस्त जदीद महाले (खुमरु) तहसील सुनी जिला सिमला, टि.प्र.!

13/1

पैमाना बटिसाब
10 मीटर प्रति सेंटीमीटर



Er. B. C. Nagi

CCM Head of Project
SJVN, LHEP, Bihar

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकवा

तहसील सुन्नी जिला शिमला हि० प्र० (DAM SITE+ROAD & BRIDGE)

कर्मोंक गांव/महाल	तहसील	जिला	नंबर खसरा	रकवा (है०गै०)
1 खैरा	सुन्नी	शिमला	247/1	10-05-56
			238	09-04-67
			252	0-04-17
			कित्त = 3	19-14-40

Signature

Signature

Signature

Er. R. L. Negi
Head of Project
SJVN, LNER, Bimal

323

Sl. No.	Date		Particulars	Particulars	Total
	2020	2020			
1	24/12	24/12
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Er. R. L. Negi
 Head of Project
 SJVN, LHEP, Birhal

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2020 2020 2020

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329

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील सुन्नी	जिला	शिमला	हि० प्र०	(QUARRY SITE)
कर्माक गांव/नाथाल	तहसील	जिला	नंबर खसरा	रकबा (हि०मी०)
वेरा	सुन्नी	शिमला	360/1	2-41-43
			361/1	0-17-35
			<u>536/363/1</u>	<u>7-73-86</u>
			किला =3	10-32-64

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

25/11/2024

सरकारी भूमि सूची बाबत मुद्दाल और (खारी) असरा नम्बर बाट तहसील चुन्नी, जिला शिमला, हि.प्र.। (अतिरिक्त).

क्रम	असरा न.	खवा (है०)
1	360/3/1	00-32-79
	फिला-1	00-32-79




असरा नम्बर बाट तहसील चुन्नी, जिला शिमला, हि.प्र.।



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

335
335

Sl. No.	Particulars	Amount	Particulars	Amount
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[Handwritten Signature]

Er. R.L. Megi
CGM/Head of Project
SJVN, LHEP, BIRSA

[Handwritten Signature]

...

346
336

वीरग बृज

पदवी *सी.ए.*

पदवी *इ.ए.*

पिना *सी.ए.*

क्र.सं.	बन्दर क्षेत्र		संख्या	अवधि/वर्ष	सर्वोच्च	वर्ष	दिनांक
	प्रकार	हान					
1	2	3	4	5	6	7	8
		360		97 (15414)	0-32-79		
		100		63 (14413)			
		25		66 (14415)			
				3279			

[Signature]

[Signature]

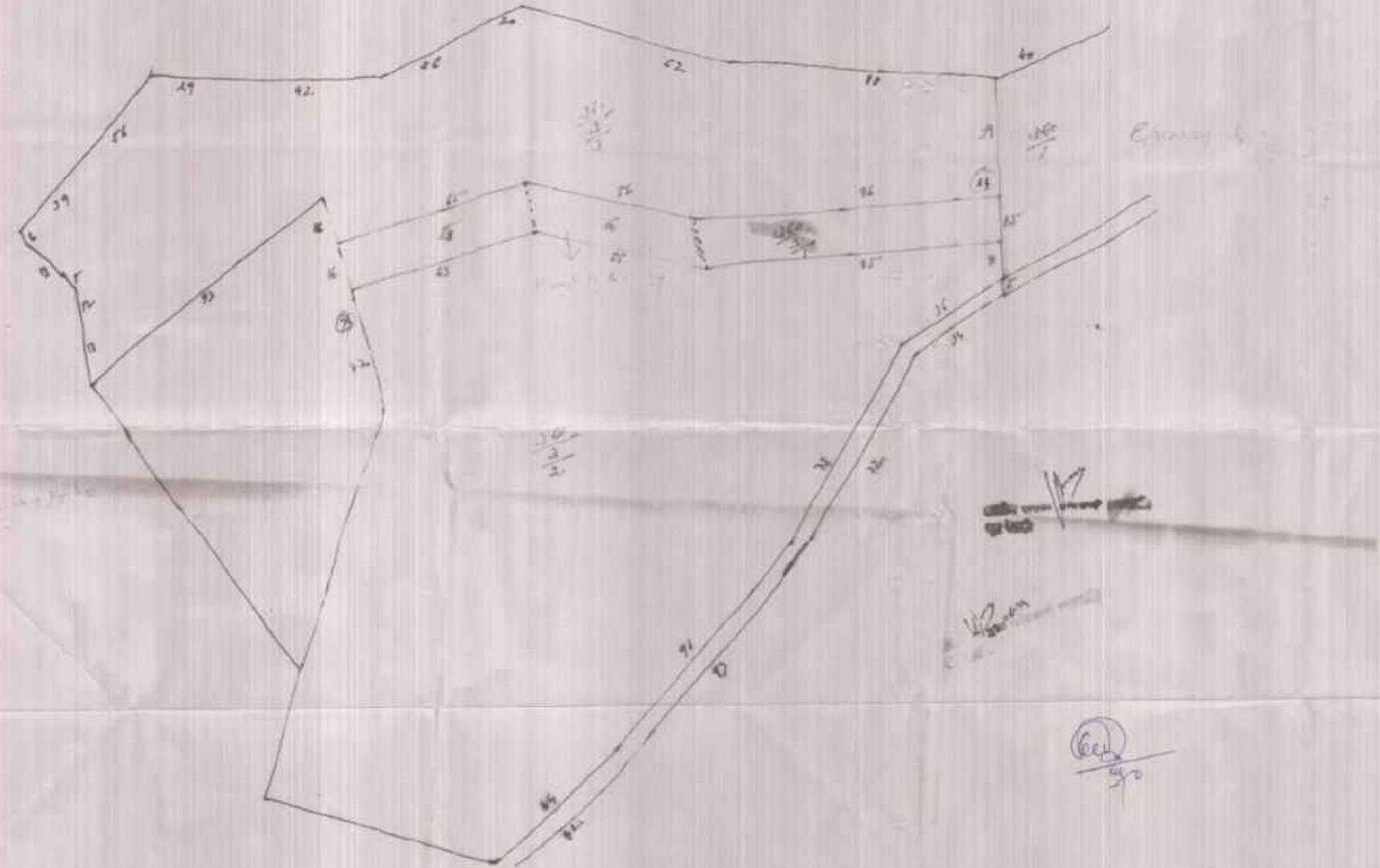
[Signature]
3.03.19

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

असम तलेवां समय विनायक द्वितीय कोषिका-२५ न्याया मौरा मौरा तलेवां मुनी विनायक

उत्तर

द्वितीय कोषिका-२५
असम तलेवां मुनी विनायक



Handwritten signature and date: 3/30

Er. R. S. Negi
CGM Head of Project
GVN, LHP, BILWA

338

सुष्मी बांध परियोजना के लिए प्रस्तावित अधिग्रहण की जाने वाली सरकारी भूमि क्षेत्र तहसील सुष्मी जिला शिमला हि० प्र०। (आवास हेतु)

फर्मांक	गांव/महाल	तहसील	जिला	नंबर अक्षर	स्ख्या (हि०मी०)
1	देरा	सुष्मी	शिमला	206	00-05-37
				208	00-08-72
				229	00-04-44
				230	00-19-34
				232	00-04-99
				257	00-04-64
				258	00-03-64
				262	00-31-73
				285	00-00-52
				289	00-01-26
				290	00-31-30
				291	00-01-43
				292	00-02-20
				317	00-37-26
				319	00-45-07
				205	00-00-95
				294	00-03-19


Er. R. L. Negi
 Head of Project
 BWN, LHEP, Bimal

किता 17

02-06-05 हि०





324

नकल सम्बन्धी

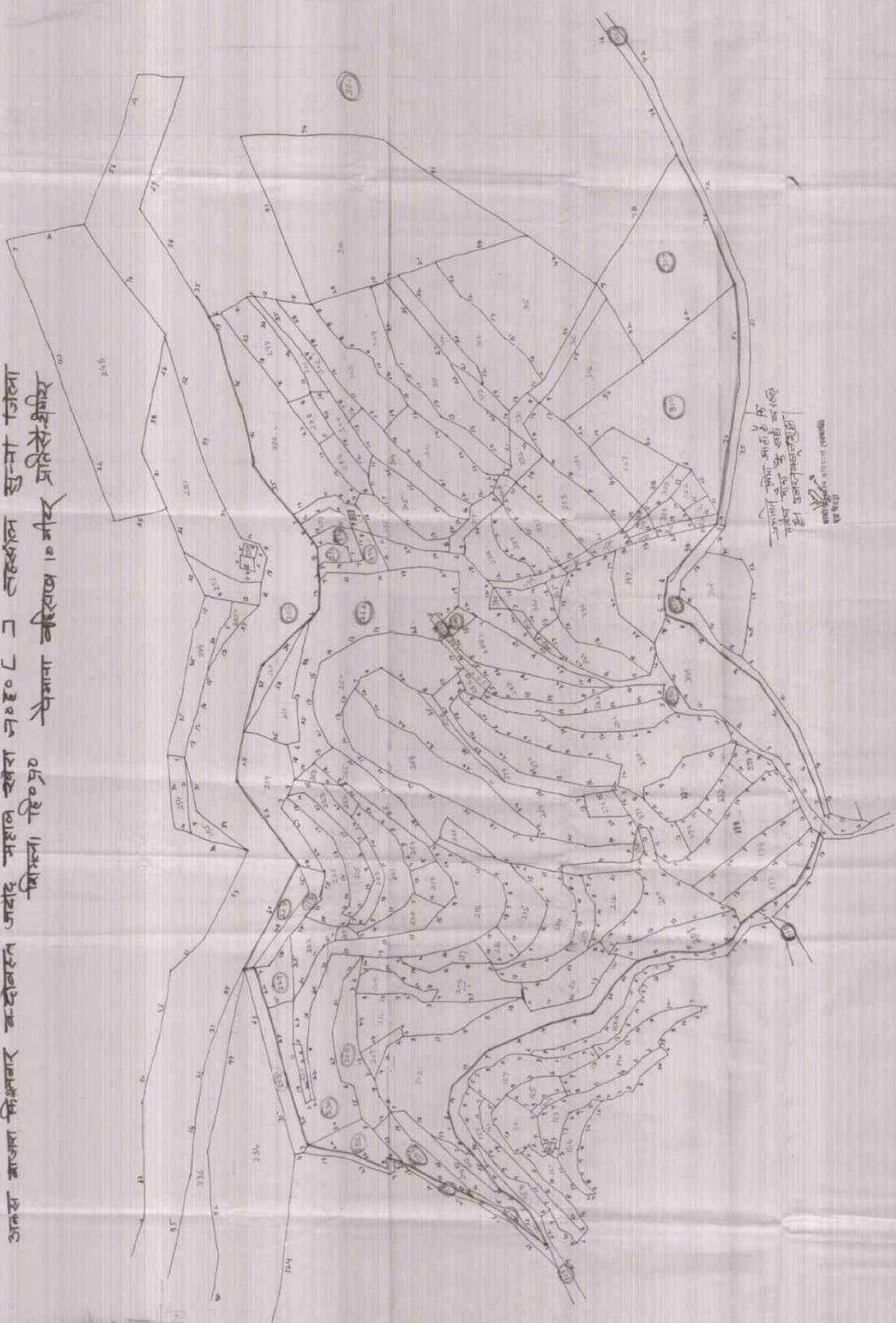
जिला 09, विभाग पंजाब, गीत		खण्ड 01, एपी पंजाब, 013201, गीत		संरचनात्मक खण्ड-01 आकलन नं. 104			वर्ष 2013-2014		वर्ष 2013-2014		वर्ष 2013-2014
क्र.सं.	विवरण	वर्ष	विवरण	वर्ष	विवरण	वर्ष	विवरण	वर्ष	विवरण	वर्ष	विवरण
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Er. R. L. Negi
Head of Project
SVM, LHEP, Ghat

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Handwritten signature

अक्षा ब्राह्मण शिक्षणार ब.दोवरतुन जावई महाल खेरा न०६०८ ८ ताहकोल सु-गा जिला
जिल्हा, हि०प्र० येमाना वरियळ १०मीटर प्रतिसे.मीटर



जिल्हा शिक्षणार ब.दोवरतुन
जावई महाल खेरा न०६०८
ताहकोल सु-गा जिला
जिल्हा, हि०प्र० येमाना वरियळ १०मीटर
प्रतिसे.मीटर

1842

352

सुन्नी बांध परियोजना के लिए प्रस्तावित सड़करी भूमि नैमा

सड़कील जिला विमला डि० प्र० (उत्तर)

क्रमांक गांव/महाल	सड़कील	जिला	नंबर खसरा	रकबा (हे०मी०)
1 नैमा	सुन्नी	विमला	1	03-78-34
			2/1	0-27-29
			3/1	1-74-05
			4/1	0-79-59
			5/1	0-96-20
			6/1	0-54-52
			10	0-87-11
			13/1	0-42-28
			7	3-87-88
			8	1-14-50
			9	1-47-60
			1091/115	0-10-98
			226	0-01-80
			230	0-03-45
			231	0-00-66
			232	0-02-61
			234/1	0-04-98

Er. R. L. Negi /
Head of Project
SJVN, LNER, Bihar

343

356

369	0-00-70
370	0-01-04
383/1	0-87-84
458/1	0-83-07
476/1	0-00-81
490	0-01-19
491	0-00-53
492	0-00-44
494	0-00-80
502/1	0-00-77
503/1	0-00-29
505/1	0-05-18
116	0-11-02
117	0-00-66
118	0-01-42
234	0-10-69

पिन = 33 18-20-07

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

[Handwritten signature]

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375

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Item No.	Description	Quantity	Unit	Price	Total
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Er. R. L. Hoag
Head of Project
East Liberty, Ohio

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ಪ್ರಾಜೆಕ್ಟ್ ಕಾರ್ಯಕ್ರಮ

ಪ್ರಾಜೆಕ್ಟ್ ನಂ: 2011-2012
 ಪ್ರಾಜೆಕ್ಟ್ ವಿಷಯ: ...
 ಪ್ರಾಜೆಕ್ಟ್ ಸ್ಥಳ: ...

ಕ್ರ. ಸಂ.	ವಿವರಣೆ	ಮಾನ್ಯತೆ	ಉದ್ದೇಶ	ಪ್ರಾಜೆಕ್ಟ್ ಸಂಖ್ಯೆ	ಪ್ರಾಜೆಕ್ಟ್ ವಿಷಯ	ಪ್ರಾಜೆಕ್ಟ್ ಸ್ಥಳ	ಪ್ರಾಜೆಕ್ಟ್ ಸಂಖ್ಯೆ	ಪ್ರಾಜೆಕ್ಟ್ ವಿಷಯ	ಪ್ರಾಜೆಕ್ಟ್ ಸ್ಥಳ
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 E. P. L. Nagesh
 Project Engineer
 \$1000, Lined, 8M

1346

Sl. No.	Particulars		Rate	Quantity	Amount	Remarks
	Particulars	Rate				
12	12.1
	12.2
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	12.8
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	12.10
13	13.1
	13.2
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	13.10
14	14.1
	14.2
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15	15.1
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16	16.1
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17	17.1
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18	18.1
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20	20.1
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	20.9
	20.10

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

(Signature)

Sl. No.	Date		Particulars	Particulars	Total
	From	To			
1	5/2	5/2	15 (2-15)	15	
			1 (2-12)	1	
2	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	
3	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	
4	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	
5	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	
6	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	
7	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	
8	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	
9	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	
10	5/2	5/2	10 (2-10)	10	
			10 (2-10)	10	


E. R. L. Nagi
 Head of Project
 S.V.M. L.H.P. Bikaner

E. R. L. Nagi
 Head of Project
 S.V.M. L.H.P. Bikaner

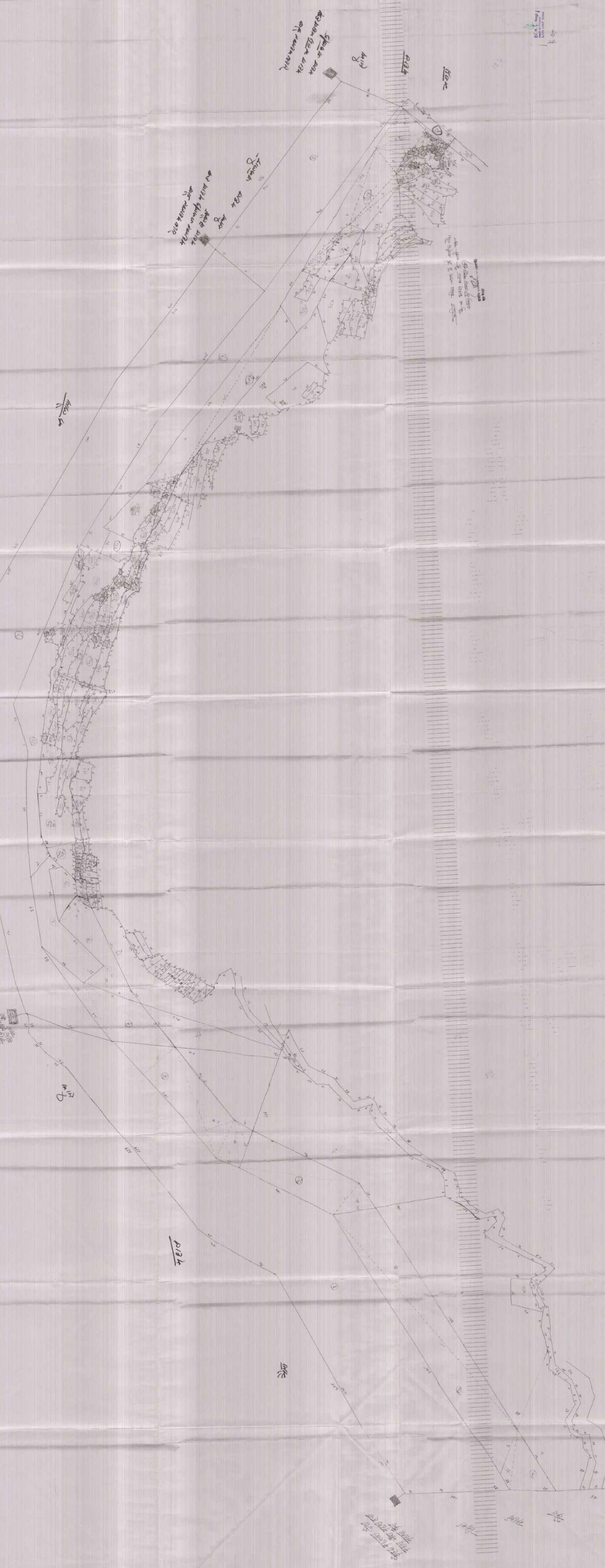



347

Sl. No.	Date		Particulars	Particulars	Particulars	Particulars
	From	To				
1	3.03	3.03
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Er. R. L. Negi
Head of Project
SJVN, LHEP, Binal

नवल
 आर्य शक्य शिरावर
 केचो बल
 जयिद
 मरुत
 जेरी
 तखील कुन्नी
 शिवा शिवा शिरु /
 नदर
 नदर
 नदर



369
349

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील सुन्नी जिला शिमला हि० प्र० (उत्तरांचल)

क्रमांक गांव/मंडाल तहसील जिला नंबर खरारा रकबा (हे०मी०)

क्रमांक	गांव/मंडाल	तहसील	जिला	नंबर खरारा	रकबा (हे०मी०)
1	भरवाहा	सुन्नी	शिमला	1/1	0-09-58
				19/1	0-99-11
				25	0-49-30
				25/1	1-90-42
				27	0-19-12
				401	4-35-39
				400	3-87-04
				403	0-09-51
				404	0-02-47
				417	0-08-60
				427	0-25-73
				429	0-27-75
				439	0-13-53
				443	0-02-84
				467/1	0-09-84
				483/1	0-01-36
				486	0-03-73
				845/489/1	4-17-69
				846/489/1	0-39-02


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

कुल = 19 17-52-03

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Handwritten marks and numbers: 55

नकल जमाबन्दी

जिला 09 मिमिना तहसील 01 सुडी कादुली वृत्त खटवोल पटवार वृत्त बरवाली नकल जमाबन्दी 2-व-से

क्र.सं. व जमाबन्दी	खेत नं.	वसत वही नं. व वसत नं.	जमीन कायदा नं.	वसत कायदा नं.	वसत वही नं.	जमाबन्दी		पटवार वृत्त नं.	पटवार वृत्त नाम	पटवार वृत्त नं.	पटवार वृत्त नाम	पटवार वृत्त नं.	पटवार वृत्त नाम
						मकसद	वसत						
118	216	पुसपुस	राजवत, जिनकराज शिंदे	राजवत शिंदे राजे शकुंतल शिंदे				00-27-74	राजवत शिंदे		29.32		
119	212	राज पुड		राजवत शिंदे राजे शकुंतल शिंदे				01-52-26	राजवत शिंदे		17.77		
110		बनीराज पुड किराज जवनेक बानी 1 719.46 गाव						00-49-30	राजवत शिंदे		11.55		
								01-06-42	राजवत शिंदे		0.00		
								00-19-12	राजवत शिंदे		0.00		
								03-87-04	राजवत शिंदे		0.00		
								04-35-39	राजवत शिंदे		29.32		
								00-25-71	राजवत शिंदे		17.77		
								00-25-75	राजवत शिंदे		11.55		
								00-13-53	राजवत शिंदे				
								00-07-05	राजवत शिंदे				
								00-42-73	राजवत शिंदे				
								13-78-06	राजवत शिंदे				
								13-78-07	राजवत शिंदे				
								01-80-01	राजवत शिंदे				
								05-92-35	राजवत शिंदे				
								06-05-30	राजवत शिंदे				
								00-09-51	राजवत शिंदे				
								00-03-73	राजवत शिंदे				
									राजवत शिंदे				

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

आचार्य राजवत शिंदे राजे शकुंतल शिंदे
राजवत शिंदे राजे शकुंतल शिंदे
राजवत शिंदे राजे शकुंतल शिंदे

राजवत शिंदे राजे शकुंतल शिंदे
राजवत शिंदे राजे शकुंतल शिंदे
राजवत शिंदे राजे शकुंतल शिंदे

राजवत शिंदे राजे शकुंतल शिंदे
राजवत शिंदे राजे शकुंतल शिंदे
राजवत शिंदे राजे शकुंतल शिंदे

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955

Sl. No.	Area (Ha)		Cultivation	Crop	Yield (kg/ha)	Remarks
	Actual	Net				
1	1	1	Wheat	Wheat	1500	
2	1	1	Wheat	Wheat	1500	
3	1	1	Wheat	Wheat	1500	
4	1	1	Wheat	Wheat	1500	
5	1	1	Wheat	Wheat	1500	
6	1	1	Wheat	Wheat	1500	
7	1	1	Wheat	Wheat	1500	
8	1	1	Wheat	Wheat	1500	
9	1	1	Wheat	Wheat	1500	
10	1	1	Wheat	Wheat	1500	
11	1	1	Wheat	Wheat	1500	
12	1	1	Wheat	Wheat	1500	
13	1	1	Wheat	Wheat	1500	
14	1	1	Wheat	Wheat	1500	
15	1	1	Wheat	Wheat	1500	
16	1	1	Wheat	Wheat	1500	
17	1	1	Wheat	Wheat	1500	
18	1	1	Wheat	Wheat	1500	
19	1	1	Wheat	Wheat	1500	
20	1	1	Wheat	Wheat	1500	
21	1	1	Wheat	Wheat	1500	
22	1	1	Wheat	Wheat	1500	
23	1	1	Wheat	Wheat	1500	
24	1	1	Wheat	Wheat	1500	
25	1	1	Wheat	Wheat	1500	
26	1	1	Wheat	Wheat	1500	
27	1	1	Wheat	Wheat	1500	
28	1	1	Wheat	Wheat	1500	
29	1	1	Wheat	Wheat	1500	
30	1	1	Wheat	Wheat	1500	
31	1	1	Wheat	Wheat	1500	
32	1	1	Wheat	Wheat	1500	
33	1	1	Wheat	Wheat	1500	
34	1	1	Wheat	Wheat	1500	
35	1	1	Wheat	Wheat	1500	
36	1	1	Wheat	Wheat	1500	
37	1	1	Wheat	Wheat	1500	
38	1	1	Wheat	Wheat	1500	
39	1	1	Wheat	Wheat	1500	
40	1	1	Wheat	Wheat	1500	
41	1	1	Wheat	Wheat	1500	
42	1	1	Wheat	Wheat	1500	
43	1	1	Wheat	Wheat	1500	
44	1	1	Wheat	Wheat	1500	
45	1	1	Wheat	Wheat	1500	
46	1	1	Wheat	Wheat	1500	
47	1	1	Wheat	Wheat	1500	
48	1	1	Wheat	Wheat	1500	
49	1	1	Wheat	Wheat	1500	
50	1	1	Wheat	Wheat	1500	

Handwritten notes in the Remarks column, including "Wheat" and "1500".

Handwritten initials or marks.

Er. R. L. Nogi
Head of Project
SVM, LHP, Dham

Handwritten signature and date.

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

[Handwritten signature]

[Handwritten mark]

Sl. No.	Particulars	Amount		Total
		Rs.	Paise	
	...			
	...			
107	...			
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અમ્ય ગાજા સહાય ૧.૯૪૦૫૫ () તાલુકા સુબી કિલ્લો વિભાગ નિ.ક.

૧૫/૦૪/૨૦૨૨ થી ૩૦/૦૪/૨૦૨૨

સહાયક મુજબ
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568 355

सूची बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील जलोग जिला शिमला हि० प्र० (2018-2019)

क्रमांक	गांव/महारा	तहसील	जिला	नंबर	खसरा	रकबा (हे०मी०)
1	तलाह	जलोग	शिमला	1		3-25-36
				2		3-71-49
				291/1		3-75-96
				290		0-01-94
				288/1		0-25-15
				56/1		1-92-57
				3		0-14-94
				4		00-15-03
				5		0-08-12
				6		0-15-13
				383/1		0-27-77
				11/1		0-00-38
				384		0-44-54
				389		4-04-69
				451		4-21-93
				463/1		1-13-63
		कुल = 16		23-58-63		


E. R. L. Negi
Head of Project
SJVN, LHEP, Bimal





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वर्ग संख्या, प्रकार, स्थिति, नाम

वर्ग	वर्ग संख्या		प्रकार	स्थिति	नाम	दिनांक
	संख्या	वर्ग				
II	1	2				
	1	2				
50	1	2				
	1	2				
	1	2				
	1	2				
	1	2				
	1	2				
	1	2				
	1	2				
	1	2				
	1	2				
56	1	2				
	1	2				
291	1	2				
	1	2				
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10/11/2012
10/11/2012


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

Copy

क्र.सं.	वर्ग	विवरण	प्रमाण	टिप्पणी
300	300	का काशी काशी काशी	17328 812	0-30-01 प्रमाण
			17328 - 20	
			17328 - 634	
			17328 - 614	
			17328 - 582	
			2051	
303	303	का काशी काशी काशी	23 (2000) 100	0-30-01 प्रमाण
			2000 - 47	
			2000 - 45	
			2000 - 135	
			2000 - 60	
			377	
403	403	का काशी काशी काशी	25 (11/15) 100	0-30-01 प्रमाण
			11/15 - 100	
			11/15	
410	410	का काशी काशी काशी	...	0-30-01 प्रमाण

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

Handwritten initials/signature

Handwritten signature in blue ink

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

372
359

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील जलोग, जिला शिमला हि० प्र०। (अनुसूचित)

क्रमांक	गांव/मंडल	तहसील	जिला	नंबर खसरा	रकबा (हे०मी०)
1	ओयली	जलोग	शिमला	1	3-52-26
				2	6-58-74
				108/1	1-14-91
				913/351	0-15-40
				914/351/1	0-20-92
				914/351/2-00-02-28	
				912/351/1	6-65-33
				455/1	3-12-45
				458	0-01-10
				460	0-02-46
				461	0-01-26
				467	0-03-24
				470	0-00-66
				805/1	0-53-34
				818/1	0-11-34
				454	0-00-35
				मिला = 16	22-15-69


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








373 360

नियंत्रण खाता-पत्री

विभाग का नाम		प्रकल्प का नाम		आवधिकार संख्या			वर्ष		विवरण	
क्र.सं.	विवरण	आवधिकार संख्या	विवरण	आवधिकार संख्या	विवरण	वर्ष	विवरण	विवरण	विवरण	
101	101	101	101	101	101	101	101	101	101	
102	102	102	102	102	102	102	102	102	102	
103	103	103	103	103	103	103	103	103	103	
104	104	104	104	104	104	104	104	104	104	
105	105	105	105	105	105	105	105	105	105	
106	106	106	106	106	106	106	106	106	106	
107	107	107	107	107	107	107	107	107	107	
108	108	108	108	108	108	108	108	108	108	
109	109	109	109	109	109	109	109	109	109	
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124	124	124	124	124	124	124	124	124	124	
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127	127	127	127	127	127	127	127	127	127	
128	128	128	128	128	128	128	128	128	128	
129	129	129	129	129	129	129	129	129	129	
130	130	130	130	130	130	130	130	130	130	
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132	132	132	132	132	132	132	132	132	132	
133	133	133	133	133	133	133	133	133	133	
134	134	134	134	134	134	134	134	134	134	
135	135	135	135	135	135	135	135	135	135	
136	136	136	136	136	136	136	136	136	136	
137	137	137	137	137	137	137	137	137	137	
138	138	138	138	138	138	138	138	138	138	
139	139	139	139	139	139	139	139	139	139	
140	140	140	140	140	140	140	140	140	140	
141	141	141	141	141	141	141	141	141	141	
142	142	142	142	142	142	142	142	142	142	
143	143	143	143	143	143	143	143	143	143	
144	144	144	144	144	144	144	144	144	144	
145	145	145	145	145	145	145	145	145	145	
146	146	146	146	146	146	146	146	146	146	
147	147	147	147	147	147	147	147	147	147	
148	148	148	148	148	148	148	148	148	148	
149	149	149	149	149	149	149	149	149	149	
150	150	150	150	150	150	150	150	150	150	

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

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352

394

Sl. No.	Particulars		Rate	Quantity	Amount	Remarks
	Particulars	Particulars				
105	1	Wages	1000	1000	1000	
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
106	1	Wages	1000	1000	1000	
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
107	1	Wages	1000	1000	1000	
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		
		1000	1000	1000		


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

Sl. No.	Description		Rate	Quantity	Amount	Unit
	Particulars	Rate				
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Er. R. L. Negi
 Head of Project
 SJVN, LHEP, Bimal

[Signature]

[Signature]

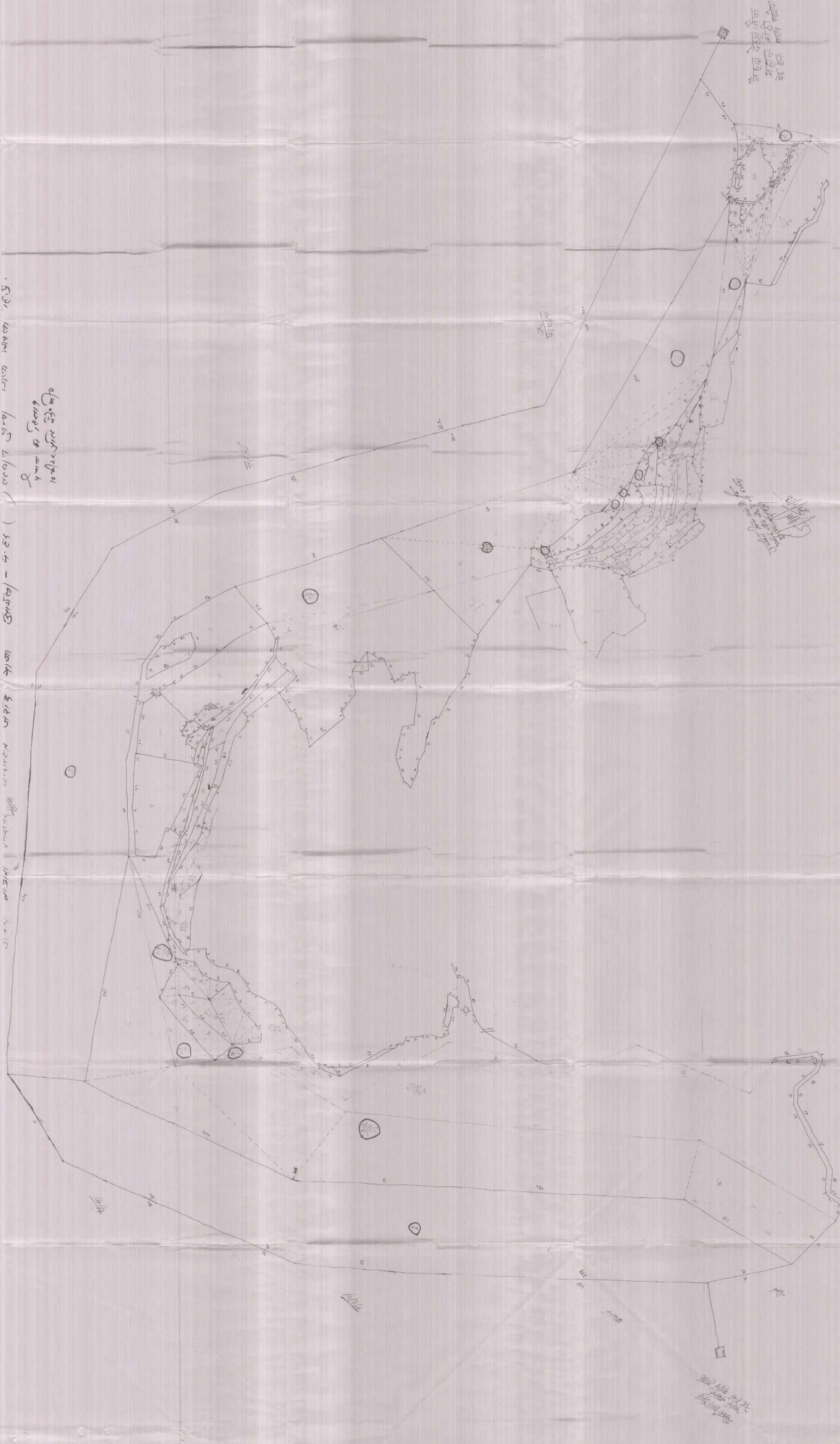
[Signature]

संख्या - १०८

१. ५०० मी. चौकट्यात वसताना
२. ५०० मी. चौकट्यात वसताना
३. ५०० मी. चौकट्यात वसताना

४. ५०० मी. चौकट्यात वसताना
५. ५०० मी. चौकट्यात वसताना
६. ५०० मी. चौकट्यात वसताना

७. ५०० मी. चौकट्यात वसताना
८. ५०० मी. चौकट्यात वसताना
९. ५०० मी. चौकट्यात वसताना



संख्या - १०८
५०० मी. चौकट्यात वसताना

३०० मी. चौकट्यात वसताना

३०० मी. चौकट्यात वसताना

376 364

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील जलोग, जिला शिमला, हि० प्र०। (संलग्न)

क्रमांक	गांव/मंडाल	तहसील	जिला	नंबर खसरा	रकबा (हि०मी०)
1	कोटी	जलोग	शिमला	1	1-86-88
				2	0-00-78
				3	0-03-08
				4/1	0-98-03
				602	0-08-61
				603	0-12-28
				606	0-01-54
				608	0-01-98
				609/1	3-04-08
				25/1	0-09-99
				600	0-03-92
				601	0-01-29
				कुल	= 12 5-31-46

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Er. R. L. Negi
Head of Project
SUNN, LHEP, Bimal

[Handwritten signature]

397
365

गुजरात भागबन्दी

क्रमांक 09 दिनांक 01/01/2012
 योजना सं. 010001
 अनुदान सं. 29
 वर्ष 2011-2012

क्र.सं.	विवरण	प्रमाण	दिनांक	अनुदान सं.	विवरण	प्रमाण	दिनांक
1	2	3	4	5	6	7	8
101	111	121	131	141	151	161	171
181	191	201	211	221	231	241	251
261	271	281	291	301	311	321	331
341	351	361	371	381	391	401	411
421	431	441	451	461	471	481	491
501	511	521	531	541	551	561	571
581	591	601	611	621	631	641	651
661	671	681	691	701	711	721	731
741	751	761	771	781	791	801	811
821	831	841	851	861	871	881	891
901	911	921	931	941	951	961	971
981	991	1001	1011	1021	1031	1041	1051
1061	1071	1081	1091	1101	1111	1121	1131
1141	1151	1161	1171	1181	1191	1201	1211
1221	1231	1241	1251	1261	1271	1281	1291
1301	1311	1321	1331	1341	1351	1361	1371
1381	1391	1401	1411	1421	1431	1441	1451
1461	1471	1481	1491	1501	1511	1521	1531
1541	1551	1561	1571	1581	1591	1601	1611
1621	1631	1641	1651	1661	1671	1681	1691
1701	1711	1721	1731	1741	1751	1761	1771
1781	1791	1801	1811	1821	1831	1841	1851
1861	1871	1881	1891	1901	1911	1921	1931
1941	1951	1961	1971	1981	1991	2001	2011

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Er. R. L. Negi
Head of Project
BJVN, LAMP, G.M.J

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Sl. No.	Date		Particulars	Debit	Credit	Balance
	From	To				
				93(39+54)	237	
				178x16	936	
				95x3	285	
				10(32+5)	47	
				25x8	100	
				60x8	240	
				183x22	4026	
				178x16	4448	
				25x8	200	
				50x6	150	
				10(12+5)	170	
				47x5	117	
					<u>30883</u>	

609
2

का. प्र. का. 2-29-2020

(Signature)
23/11/20

1000-10000
1000-10000
1000-10000

का.

का.

(Signature)
Er. R. L. Negi
Head of Project
SJVN, LHEP, Bithur

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी खसरा

तहसील जलौग जिला शिमला दि० प्र० जलौग

फर्माक गाँव/मंडाल	तहसील	जिला	नंबर खसरा	खसरा (हे०मै०)
1 गालगी	जलौग	शिमला	1	4-54-44
			72	0-24-68
			199	0-20-59
			596	0-14-82
			597/1	0-43-75
			5	0-01-70
			किला - 6	5-59-98

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Er. R. L. Negi
Head of Project
SJM, LHEP, Bithur

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372 (372)

फील्ड बुक

श्री

अलोय

मिना (मिना)

पन्ना

आ. 00001

क्र.सं.	संख्या		संख्या	इसलक्षण संख्या	संख्या व दिनांक	व्यक्ति	मिना
	संख्या	संख्या					
1	2	3	4	5	6	7	8
	597	$\frac{597}{1}$	122 (30+8)	$\frac{30+8}{2} = 2318$	0-43-75 ✓	एन.ए.ए.ए.	
			क	$\frac{85311}{2} = 467$		एन.ए.ए.ए.	
			ख	$\frac{121 \times 21}{2} = 1270$			
			ग	$\frac{64910}{2} = 320$			
				<u>4375</u>			
	597	$\frac{597}{2}$	का	का काकी मांदा रकबा	0-19-18	एन.ए.ए.ए.	

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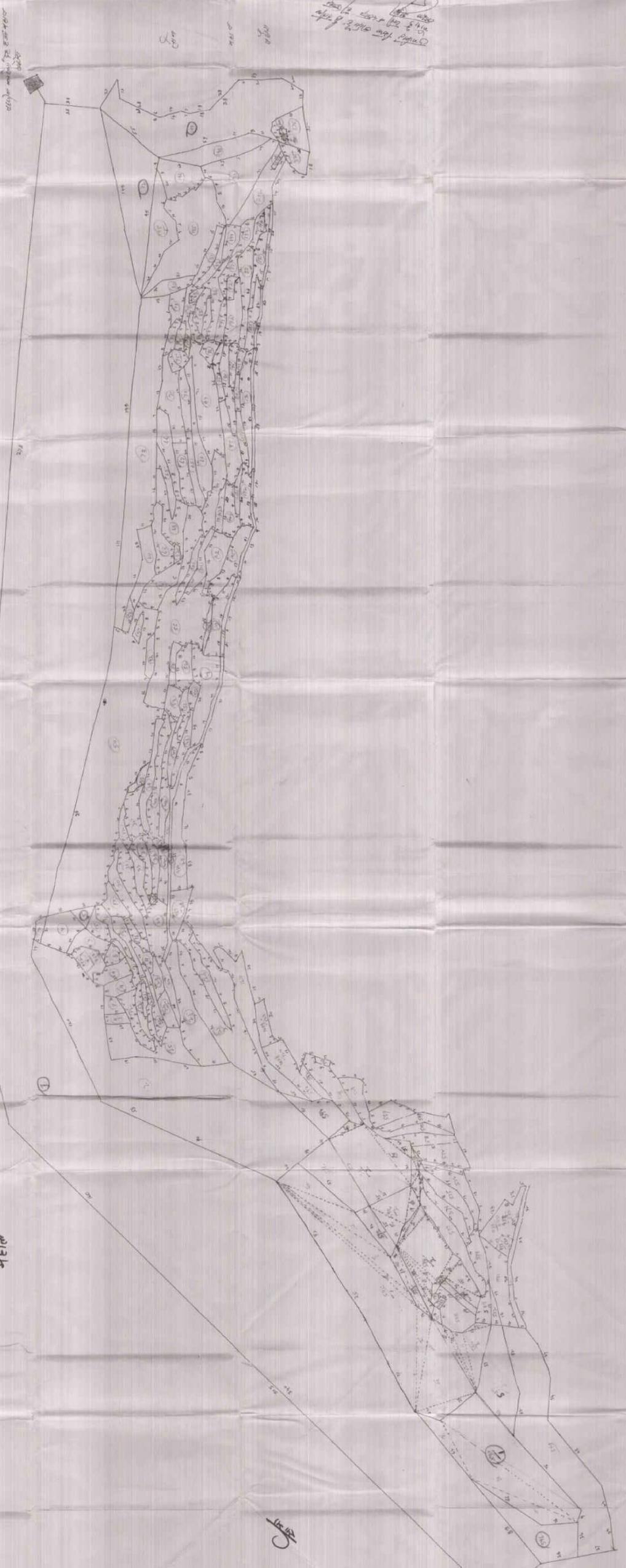
E. R. L. Negi
Head of Project
SIVN, LHCP, Bihar

Handwritten initials

અવકાશ યાંત્રિક વાહનોના વાહકોને મદદ કરવા માટે () નીચેના પ્રદેશોમાં નિ.ક. વાહનોની સેવાઓ
પ્રદાન કરવામાં આવશે.

કાલોલ

મદદ



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જિલ્લા
વહીબંધી
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सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील जलौग जिला शिमला हि० प्र० (584/572)

क्रमांक	गांव/महाल	तहसील	जिला	नंम्बर खसरा	रकबा (हे०मै०)
1	बडोरा	जलौग	शिमला	2/1	0-49-46
				5	0-02-81
				4	0-08-32
				7	0-01-89
				141/1	0-24-37
				143	0-04-68
				144	0-35-84
				145	05-40-78
				602/146	0-10-76
				601/146/1	0-48-80
				विस्त = 10	7-27-71

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

जिला 01 बिजनौर
मंडल 01

वर्ष 01
मंडल 01/01/01

संयोजित प्रकल्प
क्रमांक 14

वर्ष 2014-2015

पंचायत समिति

क्र.सं.	वर्ष	प्रकल्प का नाम	प्रकल्प का प्रकार	प्रकल्प का स्थान	प्रकल्प का क्रमांक	प्रकल्प का मूल्य	प्रकल्प का प्रारंभ	प्रकल्प का अंत	प्रकल्प का प्रमुख अधिकारी	प्रकल्प का प्रमुख अधिकारी का पता	प्रकल्प का प्रमुख अधिकारी का फोन नंबर	प्रकल्प का प्रमुख अधिकारी का मोबाइल नंबर	प्रकल्प का प्रमुख अधिकारी का ईमेल
1	2	3	4	5	6	7	8	9	10	11	12	13	

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

Sl. No.	Particulars		Rate	Quantity	Amount	Remarks
	Particulars	Rate				
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FORM J R 13
Engr. R. L. Negi
Head of Project


En. R. L. Negi
 Head of Project
 S.V.N. LHEP, Dithal

Total
 161
 2
 80.50

Sl. No.	Particulars		Date	Amount	Particulars	Date	Amount
	Dr	Cr					
1	601 746	601 746		326 (15-20)			
				145 (15-19)			
	601 746						

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

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

289

377

सुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकबा

तहसील जलोग जिला किमला डि० प्र० (चिल्लाच्य)

क्रमांक	गांव/महाल	तहसील	जिला	नंबर	खसरा	रकबा (है०मै०)
1	पन्दोवा	जलोग	शिभला	1		0-60-22
				4		2-02-33
				5		0-00-50
				6		0-00-95
				8		0-19-90
				18		0-89-24
				214		7-10-08
				215		0-07-92
				547/225		0-08-57
				546/225		1-21-93
				213		2-82-59

जिला = 11. 15-04-23

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

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54 → 579

विभाग का नाम		संस्था का नाम		आवकियाँ			वर्ष		प्रकार		दिनांक	
क्र.सं.	विवरण	क्र.सं.	विवरण	क्र.सं.	विवरण	क्र.सं.	विवरण	क्र.सं.	विवरण	क्र.सं.	विवरण	क्र.सं.
1	...	2	...	3	...	4	...	5	...	6	...	7
...

Qualified and Commenced copy
of Statement of Work is sent
to you for reference.
[Signature]
Head of Project
SJVN, LHEP, Bhabha

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

38
38

मुन्नी बांध परियोजना के लिए प्रस्तावित सरकारी रकम

तहसील जलोग जिला शिमला डि० प्र० (चलाना)

क्रमांक	गांव/महाल	तहसील	जिला	संवर खसरा	रकम (₹०/पै०)
1	मैलगा	जलोग	शिमला	1	2-32-76
				4/1	0-94-24
				5/1	2-47-24
				89/1	0-80-51
				कुल = 4	6-55-05

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[Handwritten signature]
Dr. R. L. Negi
Head of Project
SJVN, LHEP, Dhaul

[Handwritten signature]

(Signature)

38

क्र.सं.	वर्ग	काम का		वर्ग	वर्ग	वर्ग	वर्ग
		वर्ग	वर्ग				
4	1	1	1	1	1	1	1
		2	2	2	2	2	2
		3	3	3	3	3	3
		4	4	4	4	4	4
		5	5	5	5	5	5
		6	6	6	6	6	6
		7	7	7	7	7	7
		8	8	8	8	8	8
		9	9	9	9	9	9
		10	10	10	10	10	10
		11	11	11	11	11	11
		12	12	12	12	12	12
5	1	1	1	1	1	1	1
		2	2	2	2	2	2
		3	3	3	3	3	3
		4	4	4	4	4	4
		5	5	5	5	5	5
		6	6	6	6	6	6
5	2	1	1	1	1	1	1
		2	2	2	2	2	2

(Signature)
Er. R. L. Negi
 Head of Project
 SJVN, LHEP, Bithur

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

सिद्धांत
 १५५

नकाशे अन्वये अजयरा किराणाकर बंधोवस्तुत अदीद महाल प्रका नं० ४० () तहसील मुन्नी जिला जिला हि० ५०
 - विमाना करिहात (१०) मीटर प्रति सेन्टीमीटर



ER. R. L. Megi
 Head of Project
 SPM, LUDP, Bina