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CHECK-LIST

OF

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

FOR STAGE-I APPROVALS

I Documents/Information Required for All Proposals

S.No.	Name of the Document (s)	Provided or Not	If not Provided Why?	Page Number
1	Check-list of the project proposal	Yes		1-7(a)
2	Demand letter of the project authority/ applicant, if submitted.	Yes		8
3	Main application form from Part-I to V as prescribed in the Rules under the FCA with all its columns duly filled up and signed by the competent authority with date, place and official seal. All the information in **Part-I** of **Form-A** including item-wise breakup of the forest area required, must be given in the form itself by expanding the columns	Yes		9-35
4	Detailed note on the project. It must include the information regarding the number of villages and families of persons to be benefited from the project including employment generation.	Yes		36-38
5	Map of the project site/forest area required clearly showing forest boundaries and adjoining areas with their land use in distinct colours in 1:50000 or any suitable scale on original Survey of India topo sheet. If the area is very small, in addition to above, an index map may be submitted showing forest boundaries and a location map on a larger scale with land use of the area required duly signed by DFO/CF concerned.	Yes		39-40
6	Layout plan of project site approved by competent authority. In case of linear diversion of forest land, linear map or a diagrammatic map of the project site should be enclosed.	Yes		(n)

7	Statement showing the details of forest area involved i.e. Survey No. /Coupe No. /Compartment No., etc., and item-wise breakup of the forest area proposed for diversion duly signed by DFO (in the *prescribed format*).	Yes		42-52
8	Statement showing the details of non-forest area involved in the proposal (in the *prescribed format*).	Yes		53-74(A)
9	Certificate from the Collector/Deputy Commissioner that no alternative suitable non-forest land is available for the project in question.	Yes		75-92
10	Justification for locating the project in forest area to be submitted by User Agency and countersigned by DFO.	Yes		93-95
11	Certificate for minimum use of forest land to be submitted by the User Agency, giving details of area and trees involved in the alternatives examined and reasons for their rejection duly countersigned by DFO (in the *prescribed format*).	Yes		96
12	Undertaking by the User Agency to bear the cost of compensatory afforestation duly counter signed by the DFO (in the *prescribed format*).	Yes		97
13	Undertaking by the User Agency to pay the Net Present Value (NPV) of the forest land involved duly countersigned by DFO (in the *prescribed format*).	Yes		98-99
	Undertaking by the User Agency to pay the Additional Net Present Value (NPV), if any, of the forest land involved duly countersigned by DFO (in the *prescribed format*) as decided at a later date as per the decision of the Supreme Court.	Yes		100
14	A certificate from the competent authority in the State in the prescribed (vide MoEF letter No. 11-9/98-FC (pt.) dated 3rd July 2013) format that all forest rights under the Forest Rights Act, 2006 have been settled in respect of the forest area proposed for diversion, wherever applicable. In case, the process for settlement of rights under FRA has not been initiated, grant of stage-I approval under the FCA to the proposal will be considered only if a certificate from the competent authority concerned, clearly stating that the process for settlement of rights under the FRA has not been initiated along with evidences	Yes	Under Submission	101

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	supporting that settlement of rights under the FRA will be initiated and completed before the final approval, is enclosed with the proposal (vide F. No. 11-179/2012-FC Dated December 20, 2013).			
15	Species-wise and girth class-wise enumeration list and abstract of trees *(abstract to be given at the end of the list)* standing on the forest area in question neatly typed or computerized and duly signed by DFO.	Yes		102-334(E)
16	Site inspection report of the forest area involved in the project proposal by the DFO concerned or higher level forest offices in prescribed format *(in the prescribed format)*.	Yes		333-335(F)
17	Details of non-forest land/degraded forest area identified for compensatory afforestation viz. Survey No./ Compartment No./Khasra No./Khatoni No., Village, Tehsil, District etc., along with map in appropriate scale showing the boundaries of adjoining forest areas with their use in distinct colours *(in the prescribed format)*.	Yes	✓	336-360(N)
18	Detailed scheme for compensatory afforestation on identified non-forest area/ degraded forest area, as the case may be, at prevalent wage rates duly signed by DFO and countersigned by the CF concerned. The CA scheme must include all the technical details, details of work schedule, total financial outlay and proposed monitoring mechanism *(in the prescribed format)*.	Yes		361-470(O)
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.	Yes	-	471
20	Suitability certificate from the Divisional Forest Officer that the land identified for compensatory afforestation is suitable for raising plantation *(in the prescribed format)*.	Yes		472-476
21	Certificate from the Chief Secretary regarding non-availability of non-forest land in the state for raising compensatory afforestation, wherever applicable. This certificate will be based on the certificate signed by the DFO and Deputy Commissioner/Collector of the district concerned about non-availability of such non-forest land.	Yes		477-479
22	In case of proposal which requires entry/exit through Protected Forest strips along	N.A	—	-

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

	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.	—		
24	Status of clearance under Environment (Protection) Act, 1986, wherever required.	Yes	Undertaking	420
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	Yes		480 - 483
27	Detailed Catchment Area Treatment Plan, wherever required. The CAT Plan should be prepared on the basis of actual survey of area and its classification in various categories requiring different engineering/ afforestation and other treatments in phased manner.	Yes		484
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 bank fillings, afforestation and execution of such works, wherever required.	Yes		485 - 541
29	Cost benefit analysis as per the guidelines issued under forest (Conservation) Act, 1980 in prescribed format, wherever required.	Yes		542 - 545
30	Any other information/documents necessary for giving clarifications on the project, may be specified and attached.	Yes	Disclosure regarding	546

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

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	existing waterway proposal, long plan clearly showing in distinct colours the whole existing and future development, the limits of the proposed undertaking land required for the approach and the navigable width of the channel, final site of any which would be left after completion			
	(i) In case of reclamation, the drawing should also show [illegible] (ii) [illegible]			

III Documents Information Required for Proposals for Hydro Electric Projects

12	The following information should be given			
	a) [illegible]	7c3	347	542 - 543
	b) [illegible]	7c4		543 - 550
	c) [illegible]	7c5		551 - 553
	d) Copy of Environmental Clearance	—		—
	e) Copy of [illegible] Agreement	7c6		554 - 557
	f) [illegible] and Public Health Department	7c7		558
	g) [illegible]	7c8		559
	h) [illegible]	7c9		560

IV	Documents/Information Required for Proposals for Mining
33	The following information/ documents must be given :- **I New Proposals** a) Certificate from the competent authority like District Mining Officer/Geologist, regarding non-availability of the same mineral/ore in the nearly non-forest area b) Estimated reserve of each mineral/ore in the forest area and non-forest area. c) Total area demanded and extent of forest area involved in the proposed mining lease shown in distinct colours on relevant maps d) Proposed period of mining lease. e) Minimum distance of the proposed site from Wildlife Sanctuary and National Park. f) A copy of the mining plan duly approved by IBM, Nagpur. g) Phased reclamation plan of the project area. h) Copy of lease deed/agreement entered into with the district authorities. 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/ Dept. of Geology and Mining of the State Government.

II) In case of renewal of Mining Lease

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.

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

c) The State Government shall forward the complete proposal to the RO/MoEF at least six months prior to the expiry of the existing lease. In case of any delay, a details report Elaborating the causes of delay shall be forwarded along with the proposal.

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.

V	Documents/Information Required for Proposals for Retail Outlets of an Oil Companies			
34	*The following information/ documents must be given :-* a) Copy of letter of intent issued by the oil Company 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. c) Layout plan showing dimensions of proposed approach road for entry and exit with clear area calculations. d) Map clearly indicating the directions of the road leading from ... to ... e) The area calculations for the curves should invariably be given in the layout plan. f) NOC from NHAI/PWD/Urban or local body g) NOC from Town and Country Planning/ local body h) Certificate by User Agency to the effect that no High Tension line passing above the proposed site duly countersigned by DFO i) A Certificate by User Agency to the effect that no LT line passes is located near the proposed site duly countersigned by DFO			

Date: 04/5/2020
Place: Kinnaur

Divisional Forest Officer
Forest Division Office
Kalpa, Distt. Kinnaur, H.P.

Countersigned by
Conservator of Forests

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

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एसजेवीएन लिमिटेड
SJVN LIMITED

No. SJVN/CMD/ 38/12(e)

Dated: 03/12/2020

To,

The Principal Chief Conservator of Forests
Himachal Pradesh Forest Department,
Shimla.

Subject: Declaration of authorized signatory for submission of Diversion of Forest Land under Indo Nepal Power (400 MW), DHEP Stage-II and Sawra Kuddu Project.

Sir,

SJVN Ltd. is in process of development of Indo Nepal Hydro Electric Project Stage-I of 400 MW at Pancheshwar Tehsil Dunagiri, Distt. Almora (Uttarakhand) and Dhaulidhar Hydro Electric Project Stage-II (DHEP Stage-II) at Village Nauti and Sawra Kuddu Project at Village Kuddu in Himachal Pradesh. For the purpose of processing proposals for diversion of forest land for these projects Sh. R.L. Singh, DGM is hereby authorized to sign the required papers/documents/affidavits etc. for Indo Nepal Hydro Electric Project Stage-I (INHEP Stage-I) and Sawra Kuddu Project.

Thanking you,

Yours faithfully,

(RAJ Mohan)
Chairman & Managing Director
DIN: 02109225

Copy for information to:

1. The Nodal Officer (Forest), Forest Advisory Committee, Dhaulidhar (DHEP Stage-II) Project, Dhaulidhar, Distt. Sirmaur (H.P.)
2. The Chief Conservator of Forests, Rampur Forest Circle, Rampur Bushehr, Distt. Shimla (H.P.)
3. [illegible] Forest Division, [illegible]

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FORM - A

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

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

A. General Details

A-1. Project Details

[i]. Proposal No. : FP/MP/[illegible]/2015/321/

[ii]. Name of Project for which Forest Land is required : Suvri Das Project

[iii]. Brief narrative of the proposal and Project/scheme for which the forest land is required : Suvri Das 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 85 m high above deepest foundation level across river Satluj near Bhaira village and underground power hou

[iv]. Status : Greenfield Project

[v]. Category of the Project : Hydel

[vi]. Type of forest land proposed to be diverted : Non-Tribal

[vii]. Estimated cost of the Project(Rupees in lac) : 2500.00

[viii]. Total Area of Forest Land proposed for diversion (in ha.) : 307.804

[ix]. Non-forest land required for the project (in ha.) : 91.400

[x]. Land parcel for which the forest land is proposed to be diverted for project : M

A-2. Details of User Agency

[i]. Name : SJVN LIMITED

[ii]. Address : Suvri Das Hydro Electric Project, SJVN Ltd., Bharat Khanda

[iii]. Account : NIL

[iv]. State : Himachal Pradesh

[v]. District : Chaila

[vi]. Pin : 172018

Generated on: http://parivesh.nic.in/cafpv/pdf/FP/HP/MP/321/2015/321.pdf

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proofs. Copy of documents in support of the competency/authority of the person making this application to make application on behalf of the User Agency.

8. Details of land required for Coal Project:

8.1 Details of proposal seeking prior approval of Central Government under the Act for diversion of Forest land for the Project currently submitted in the past:

List of proposal submitted in Past							
S.no	Proposal Status	Proposal No.	Total Area Ha.	Area Proposed for Diversion(in Ha.)	Area Diverted(in Ha.)	Date of 1st Proposal Approved	Date of Final Approval
NIL							

8.2. Details of forest land proposed to be diverted:

8.2.1 Details of Divisions involved:

Details of Divisions involved			
S.no	Division Name	Forest Land(in Ha.)	Non-Forest Land(in ha.)
1.	Shahdol(Territorial)	176.9164	18.8224
2.	Korba(E)	37.3654	5.8843
3.	Korba(W)	206.1252	11.8975

8.2.2 Details of Districts involved:

District wise breakup			
S.no	District Name	Forest Land(in ha.)	Non-Forest Land(in ha.)
1.	Korba	196.7316	12.5627
2.	Shahdol	223.4584	24.1375

8.2.3 Village wise breakup

Villages wise breakup			
S.no	Village	Forest Land(in ha.)	Non-Forest Land(in ha.)
1	Dipka	12.2092	1.2634
2	Bhatora	17.5491	1.1120
3	Khairy	31.8384	3.9608
4	Dipka(Underground Technical & Colony	3.62	0
5	Gevra	4.5579	2.8612
6	Pasan	0	2.2581
7	Kathautia	2.2771	0.8020
8	Pandavnagar	15.0913	0.9949
9	Tarkodia	0.0016	0.0048
10	Tilkuda	43.9958	0.4129
11	Jhiri	22.1024	0.7489
12	Kotka	8.3049	0.5629

1	0.09	View File

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

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

District 3 : Kangpokpi

(i). Area of forest land proposed to be diverted(in Ha.) : 17.1859

(ii). : Mata Linzup

(iii). No. of patches : One

Patch wise details		
Patch No.	Area of Patch(in ha.)	Survey No. of Patches
1	17.1859	View File

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

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

District 4 : Bishnupur

(i). Area of forest land proposed to be diverted(in ha.) : 101.150

(ii). : Keirao Bitra

(iii). No. of patches : Four

Patch wise details		
Patch No.	Area of Patch(in ha.)	Survey No. of Patches
1	58.4300	View File
2	5.0000	View File
3	100.2100	View File
4	0	View File

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

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

(j). Whether the Project or a part thereof is located in any Protected Area i.e. Core/Critical Wildlife Habitat : Yes

J. Applicability of special provisions regarding Scheduled Areas

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

K. Status of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed for the diversion

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

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

L. Details of land identified for Compensatory Afforestation

(n). Whether non-forest or degraded forest land is required to be given and by the User Agency(s) : Not Applicable

(o). Whether the areas of non-forest land or Degraded forest land proposed to be provided by User Agency for raising Compensatory Afforestation / scheme (from area of forest land proposed to be diverted ? : Not Applicable

(p). Process for not providing Non-forest Land : Not Applicable

M. Details of Investment / Multipurpose Project

(q). Area of powers generation capacity of the Project(s) (MW): 360

(r). Total command area of the Project(s) (e.g. Ha, Acre):

(s). Copy of the approval of concerned authority for the Catchment Area Treatment Plan (CAT Plan): —

(t). Copy of the approved CAT plan: —

Additional Information Details

Documents		
Sl.No	Description	Remarks
1	—	Forwarding letter by Nodal Officer regarding recommendation for Stage-I/II
2	—	NOC regarding Non-resulting encroachment
3	—	NOC regarding non

Encroachment on reserved/protected forest land

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Gmail

Environment Department Lahri HEP Bilaspur <envgcslahrihep@gmail.com>

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

1 message

monitoring-fc@nic.in <monitoring-fc@nic.in> Sat, Oct 24, 2020 at 3:12 PM
To: envgcslahrihep@gmail.com
Cc: monitoring-fc@nic.in

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

1. **Proposal No.** : FP/HP/HYD/31018/2017
2. **Proposal Name** : Stage Dam Project
3. **Category of the Proposal** : Hydel
4. **Date of Submission** : 27/12/2017
5. **Name of the Applicant with Contact Details**

Name	: H
Mobile No.	: 9816166003
State	: Himachal Pradesh
District	: Shimla
Pincode	: 172030
6. Area Applied (ha.)	: 387.9863

The same has been forwarded to DFO for the processing.

(System Administrator)

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

Sr. R.L. Sharma
CGM
SJVNL Ltd.

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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.	The proposed Sunni Dam Hydroelectric project is situated on Sutlej 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- Jhakri project. On the Downstream of Sunni Dam Hydroelectric project, lies the 800 MW Kol Dam HPS (FRL 640 m). In between Rampur HPS and proposed Sunni Dam Project, Luhri HEP Stage-I (nearly 30 km upstream) and Luhri Hydroelectric Project Stage –II (Between LHEP-I & Sunni Dam) are also proposed. The Project is conceived as a run of the river type development proposed to harness the hydel potential of river Sutlej. The project envisages construction of a concrete gravity dam across river Sutlej near Khaira village and underground power house on the right bank. A 171m high, concrete gravity dam from ex. River Bed level 644m, with integral 6 nos. gated spillways having size of 8.5m (W) X 15.0m (H) have been proposed. The Full Reservoir Level has been kept at 712.0 m and Minimum Draw Down Level at El. 709.50m. The length of the dam at top shall be 184.42 m. Underground power house having size of 185.42 m (L) x 22.0 m (W) x 48.36 m (H) shall be provided on right bank with installed capacity of **382 MW** (4 x 75 MW Main Units, 1 x 72 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 at 200m inside the hill with a top cover of +300m. The project is estimated to cost **2558.70 Cr.** including IDC and financing charges at June, 2015 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, Levelized Tariff 4.16/kWh. The construction period of the project has been proposed as 4 years & 7 months.

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

		The diversion of total **397.8863 ha** of forest land for the Project *(339.3484 ha in Rakchi Forest Division (150.6684 ha open surface area+0.6000ha underground/National area) + 37.3859 ha. in Kalpa Forest Division + 201.1520 ha (197.9575ha open surface area+3.2045ha underground/National area) in Kinnaur Forest Division)* in various Khasra Nos. as per check List-07 showing details of forest land proposed for diversion, is required for establishment of Sunni Dam HEP located in Northern Power region. As per directions of forest department, the additional forest land (Khasra No. *1503* (pertaining to **private owner but status recorded as BANI as per revenue Records**) under Kinnaur Forest Division has also been added in the proposal.
(iii)	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 *Pg. - 36-40*
(iii)	Cost of Project	The project is estimated to cost **2585.71 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.	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, IBET 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

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CGM/Head of Project
SJVN, LHEP, Bilhal

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		geological conditions of the area and cannot be shifted. Therefore, Dam, Diversion Tunnel and underground power house have to be fixed as per the topography and geology of the area. But still where ever possible various project components like dumping areas, residential colony and offices have been proposed to be located in private land. The features 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 *(139.1484 ha in Nanda Forest Division (138.6684 ha open surface area+0.650Oha underground/National area) + 37.5859 ha. in Kangarh Forest Division + 201.1520 ha (197.9575ha open surface area+3.1945ha underground/National area) in Kamrau Forest Division)* of Govt./forest is here minimum and cannot be escaped.
(v)	Cost benefit analysis (to be enclosed)	Enclosed Page 643-645
(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 Kinnaur, Kangarh & Kamru Forest Divisions)*	**S. No. / Component / Forest land (ha) / Private land (ha) / Total (ha)** 1 / Reservoir / 337.6143 / 45.0098 / 382.6543 2 / Dam, Power House, Road and Bridge / 39.1269 / 1.0148 / 40.1397 3 / Quary site / 10.3264 / 0.0000 / 10.3264 4 / Dumping sites / 4.5676 / 6.4255 / 10.9931 5 / Colony site / 0 / 8.9341 / 8.9341 6 / Underground/ National area for Power House & D/Tunnel / 3.8745 / 0 / 3.8745 7 / Road to Quarry / 1.3886 / 0 / 2.3886 **Total** / **397.8863** / **61.4042** / **459.2905**
3	Details of displacement of people due to the project, if any	
(i)	Number of families	10 (Ten)
(ii)	Number of scheduled caste/scheduled tribe families	2 (two)
(iii)	Rehabilitation plan (to be	The work for SIA (Social Impact Assessment) study for Sutlej

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

	enclosed)	Dam project will be carried out through HPPA, GoHP. In the said state Govt. Social Impact Assessment Report, detailed R&R (Rehabilitation and Resettlement) Plan shall also be deliberated. The copy of approved R&R Plan will be provided as soon as it is approved by Government of Himachal Pradesh.
4.	Whether clearance under Environment (Protection) Act, 1986 required?	Yes. EC under process.
5.	Undertaking to bear the cost of raising and maintenance of compensatory afforestation/ additional compensatory afforestation as well as cost of protection and regeneration of Safety Zone, etc. as per the scheme prepared by the State Government (undertaking to be enclosed)	Undertaking enclosed. Page- 77
6.	Details of certificates/ documents enclosed as per instructions.	

Sr. No.	Documents Attached
1	Allotment letter of GoHP - 549
2	Consent letter of GoHP - 550
3	Joint inspection reports - 564-578
4	Certificate for minimum use of forest land - 78
5	Affirmation to the applicant by the project authority 557
6	Revenue Papers of forest land proposed for diversion 559 & 560
7	Undertakings for NPV/CA etc 79-80
8	Copy of form-A (As submitted online to Nodal officer-cum-APCCF (FCA) Shimla
9	NOCs from HPPWD Deptt. 580-584
10	NOC from wildlife Shimla 561
11	NOC from language and culture Department 585-586
12	NOCs from I&PH Deptt. 576 - 579
13	Salient features of the Project 587 - 591
14	Certificate regarding non-falling of project in to entire component in Tribal Area. 593 - 595
15	Certificates of DC Shimla and DC Mandi regarding non-availability of non- forest land for CA in Shimla, Kotgarh & Karsog forest divisions of Distt. Shimla & Distt. Mandi. -
16	Email regarding Acceptance of proposal by nodal officer-cum-CCF (FCA) Shimla 596 - 597
17	Soft Structure of the proposal and presentation 596
18	Alternate studies carried out of various major components of the project -
19	NOCs from Gram Panchayats for establishment of the project. 598 - 600

Date 22/09/2016

Place Bilaspur

For & on behalf of SJVN Ltd.

Authorised Signatory

(Name) Er. R.D. Negi

CGM/Head of Project

SJVN, LHEP, Bithal

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

File No : FP/HP/HYD/31019/2017

PART-II

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

7.	Location of the project/scheme:		
	i.	State/ Union Territory	*Himachal Pradesh*
	ii.	District	*Mandi*
	iii.	Forest Division	*Karsog*
	iv.	Area of forest land proposed for diversion in respect of Karsog Forest Division (in ha.)	*207.1530 ha.*
	v.	Legal status of forest	*i) Unclassified Protected Forest/ unclassified Forest Land= 200.4849 ha. ii) Strip land = 6.6681 ha.*
	vi.	Density of vegetation	*0.0597*
	vii.	Species –wise (scientific names) and diameter class	*List attached at page no. 348 - 352*
	viii.	Brief on vulnerability of the forest area to erosion.	*The user agency has been given an undertaking that the bioengineering measure alongwith the construction of R/Walls & B/walls as per the site to avoid erosion/ landslide will be done.*
	ix.	Approximate distance of proposed site for diversion from boundary of forest.	*The proposed project is adjoining the boundary of forest.*
	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, the details thereof,	*No*
	xii.	Whether any protected archaeological/ heritage site defense establishment or any other important monument is located in the area. If so, Details thereof with NOC from competent authority.	*No*
8.	Whether the requirement of forest land as proposed by the user agency in col. 2 of part –I is unavoidable and forest minimum for the project, recommended area item-wise with details of alternative examined.		*The requirement of forest land as proposed by the user agency in col.2 of part -I is unavoidable and minimum*
9.	Whether any work in violation of various Forest Acts has been carried out (Yes/No). If yes details of the same including period of work done, action taken against the erring officials. Whether work done in violation is still in progress.		*No, the 3 Nos. of encroaching shifu have been constructed and these are permissible as per Terms of Reference for conducting environment impact assessment study for "A" category Hydro Power Projects*
10.	Detail of compensatory afforestation scheme:		
	i.	Details of non-forest land/ degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of	*To be attached at page No. 354*

	proteus, size of each patch.	
	ii. Map showing numbered degraded forest area identified for compensatory afforestation and adjoining forest boundary.	*Enc. attached at page - 336 - 360*
	iii. Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc.	*Attached at page No - 361- 476*
	iv. Total Financial outlay for compensatory afforestation and Penal Compensatory scheme	*Rs 8,50,78,691/-*
	v. Certificate from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view to be signed by the concerned Hon'ble Deputy Conservator of Forests.	*Attached at page No 473*
11.	Site inspection report of the DCF to be enclosed especially highlighting facts asked in sub Rule(s), 8 and 9 above.	*Attached at page No 253 - 333(b)*
12.	Division/District profile:	
	i. Geographical area of the Division.	*6833 Sq.*
	ii. Forest area of the Division	*4807 Sq.*
	iii. Total forest area diverted since 1980 with number of cases.	*169.09 Ha.* *No. of approved cases - 18.*
	iv. Total compensatory afforestation stipulated in the District / Division since 1980 as :	
	a. Forest land including penal compensatory afforestation.	*296.332ha. up to 31-03-2020*
	b. Non Forest Land.	*Nil*
	v. Progress of the compensatory afforestation as on (date) as	*Nil*
	a. Forest Land	*296.332 ha CA has been done in this Division up 31-03-2020*
	b. Non Forest Land	*Nil*
13.	Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons.	*Since the land is required form of green energy i.e. Hydel Project so may be recommended*

Date :- 30.12.2020

Place :- Kanog.

(Wata Doegar, IFS)
Dy. Conservator of Forests,
Kanog Forest Division,H.P

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PART-II

24

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

State Serial No. of proposal : HP-610/7/2018

I. Location of the project/scheme : Himachal Pradesh

(i) State / Union Territory : Himachal Pradesh

(ii) District : Shimla,Sirmaur

(iii) Forest Division : Shimla(Shivnala),Nahan Kyarsog

(iv) Area of forest land proposed for diversion (in ha.) : 397.0041

(v) Category : Hydel

2. Legal status of forest land proposed for diversion :

S. No.	Division	Forest Land(ha.)	Legal Status
1	Kotgarh	37.3859	Protected Forest
2	Shimla(Shivnala)	159.3484	Protected Forest
3	Kyarsog	200.4049	Protected Forest
4	Kyarsog	0.7171	Private Forest

Division 1 : Kyarsog

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

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

4. Details of vegetation available on the forest land proposed for diversion :

(i) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	201.152	0.0697	Eco 5

(ii) Species wise local/scientific names and girth-wise enumeration of trees at Sl. 1

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm	(>150)cm.
1	Anogeissus latifolia	Bhakhra	360	12	3	0	0	0
2	Bombax Ceiba	Sembal	12	2	0	0	0	0
3	Aegle Marmelos	Bil	93	0	0	0	0	0
4	Ficus Racemosa	Fegra	6	1	0	0	0	0
5	Ficus religiosa	Pipal	9	0	0	0	0	0
6	Cassia Fistula	Amaltash	779	11	0	0	0	0
7	Syzigium Cumini	Jamun	161	49	5	0	0	0
8	Melia Azadirachta	Dreak	21	0	0	0	0	0
9	Acacia Catechu	Khair	211	4	0	0	0	0
10	Others	Senan (Sareanea	390	53	0	0	0	0

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		season)						
11	Others	Charmoda (Ehretia laevis)	259	0	0	0	0	0
12	Others	Kangu (Helicoresia indica)	109	0	0	0	0	0
13	Others	Pechia (Anacrachium occidentale)	420	229	3	1	0	0
14	Others	Kakar (Pistacia integrifolia)	212	22	1	0	0	0
15	Others	Khirsa (Celtis australis)	274	1	0	0	0	0
16	Others	Kambal (Hallotus philippinensis)	605	5	5	0	0	0
17	Others	Sad (Salix alba)	903	323	14	9	0	0
18	Others	Asan (Terminalia elliptica)	64	1	0	0	0	0
19	Others	Kachnar (Bauhinia variegata)	151	0	0	0	0	0
20	Others	Lodra (Symplocos crataegoides)	308	6	0	0	0	0
21	Others	Amla (Phyllanthus emblica)	373	1	0	0	0	0
22	Others	Biwal (Grewia optiva)	189	1	0	0	0	0
23	Others	Titar (Fraxinus xanthoxyloides)	16	2	0	0	0	0
24	Others	Ber (Ziziphus mauritiana)	104	0	0	0	0	0
25	Others	Tarl (Morus ciliata)	17	0	0	0	0	0
26	Others	Chuli (Prunus armeniaca)	31	0	0	0	0	0
27	Others	Thembal (Ficus auriculata)	25	1	0	0	0	0
28	Others	Seemh (Albizzia chinensis)	56	2	0	0	0	0
29	Others	Chil (Pinus roxburghii)	2	0	0	0	0	0
30	Others	Khumbi (Careya arborea)	1	0	0	0	0	0
31	Others	Khardu (Diospyros lotus)	90	0	0	0	0	0
32	Others	Bans (Prunus cerasoides)	1	0	0	0	0	0
33	Others	Bedu (Morus serrata)	3	0	0	0	0	0
34	Others	Daru (Punica granatum)	1	0	0	0	0	0

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35	Others	Ficshia (Grewia asiatica)	13	0	0	0	0	0
36	Others	Lesuala (Lucaena leucocephala)	27	0	0	0	0	0
37	Others	Taligh (Acacia modesta)	3	0	0	0	0	0
38	Butea Monosperma	Palash	38	0	0	0	0	0
39	Others	Willow (Salix)	2	1	0	0	0	0
40	Others	Robinia (Robinia pseudoacacia)	4	0	0	0	0	0
41	Dendrocalamus Strictus	Bamboo	521	0	0	0	0	0
42	Others	Other Broad leave species	529	12	0	2	0	0

(iv) Species-wise local/scientific names and girth-wise enumeration of trees at Ht.>3 meter :

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

(v) Species-wise local/scientific names and girth-wise enumeration of trees at Ht.<3 meter :

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

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

6. Brief note on inalienability of the forest area as enclosed :

The user agency has been given an undertaking that the following measures alongwith the construction of R/Walls & Breasts as per the plan in vogue in the Forest Land will be done

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

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

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

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

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

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

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

9.

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

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

(ii) Comment on the reasonableness of the extent of the forest land required for diversion :

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

(v) Details of violations, if any, committed :

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

(vi) Whether work in violation is still in progress/Possible : No Data

12. Details of compensatory afforestation scheme :

(i). Patch-wise Details for Degraded Area (To be surveyed by IFO):

(ii). Total Financial Outlay for CA(Rs.in) 490.76

Patch Wise Details

S.no	Patch No.	Area(ha.)	Name of RF/PF	Range	Compartment No	Uploaded KML file of patch
1	1	100	D-74 Parvala	Rajgarh	Whole	View file
2	2	10	D-213 Nihari Nal	Seri	C-III	View file
3	3	10	D-252 Nagar Nal	Seri	C-Ia	View file
4	4	5	D-240 Fareyota	Seri	C-Ia	View file
5	5	10.76	Non-Forest Land in Mahal Kothat	Seri	Khasra No. 526/396	View file
6	6	12.76	Non-Forest Land in Mahal Kothat	Seri	Khasara No.524/411	View file
7	25	8	UPF Khadavi	Chowat	Whole	View file
8	26	7	1/131 Jhirkhani	Chowat	Whole	View file
9	27	1.4342	D-213 Nihari Nal	Seri	C-III	View file
10	19	7.50	Non-Forest Land in Mahal Randol	Pangra	Khasra No. 1403	View file
11	20	60	D212 Kasa	Dharampur	Whole	View file
12	21	40	B-54	Parvanoo	Whole	View file
13	22	10	U-491	Kalon(Deha)	Whole	View file
14	23	10	C-4	Kalota	Whole	View file

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15	24	19	UPF Jabo	Chowti	Khatoni	View file
16	13	5.82	Non-Forest Land in Mukal Tundal	Seri	Khasara No.776/633	View file
17	14	7.20	Non-Forest Land in Mukal Sharog	Seri	Khasara No. 383	View file
18	15	11.06	Non-Forest Land in Mukal Teban	Seri	Khasara No.1174/1580	View file
19	16	6.79	Non-Forest Land in Mukal Manj	Seri	Khasara No.600	View file
20	17	4.61	Non-Forest Land in Mukal Purana	Seri	Khasara No.845/843/839	View file
21	18	9.71	Non-Forest Land in Mukal Dalelha	Seri	Khasara No. 481	View file
22	7	10.03	Non-Forest Land in Mukal Kehat	Seri	Khasara No. 474	View file
23	8	3.23	Non-Forest Land in Mukal Khamarla	Seri	Khasara No.1431/134	View file
24	9	15.37	Non-Forest Land in Mukal Khamarla	Seri	Khasara No.1492/1	View file
25	10	14.24	Non-Forest Land in Mukal Khamarla	Seri	Khasara No.763	View file
26	11	8.25	Non-Forest Land in Mukal Tundal	Seri	Khasara No.774/676	View file
27	12	5.58	Non-Forest Land in Mukal Tundal	Seri	Khasara No.762	View file

(i). Copy of CA scheme details: [illegible]

(ii). Soft copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using GPS or Total Station: [illegible]

(iv). Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.: [illegible]

Additional Information Details :

S. No.	Documents	Remarks
1	[illegible]	BRI of NPV Karsog Divn.

Division 2 : Ratgah

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

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

4. Density of vegetation available in the forest land proposed for diversion :

(i) Density of vegetation

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

http://forestsclearance.nic.in/writereadata/Online_Proposal_Data/System_Data/Proposal_Data/FP_0_0_0

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

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm
1	Eucalyptus	Safeda	38	2	0	0	0	0
2	Dalbergia Sisoo	Shisham	11	3	0	0	0	0
3	Grevilia Robusta	Silver	2	0	0	0	0	0
4	Melia Azadirechta	Neem	1	1	0	0	0	0
5	Ailanthus excelsa	Bead	3	1	0	0	0	0
6	Cassia Fistula	Sonam	2	0	0	0	0	0
7	Cynas Circinalis	Padauk	1	2	0	0	0	0
8	Bauhinia Parviflora	Kachnar	1	3	0	0	0	0
9	Anacardium Occidentale	Kachaka	7	1	0	0	0	0
10	M.Champaca	Kakam	0	1	0	0	0	0
11	P. Nepalensis (Ser) Stendel	Bans	1	0	0	0	0	0

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

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

(j) Species-wise local/scientific names and girth-wise enumeration of trees at FRL-3 (meter) :

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

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

The area of JPF Compartment C-219 and JPF Sandapadaw C-232 falls in the working Circle.

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

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

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

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

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

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

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

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

https://forestsclearance.nic.in/writereadprocessing_report.aspx?pid=1%20%20%20

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9.

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

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

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

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

11. Details of rehabilitation, if any, committed :

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

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

13. Details of compensatory afforestation scheme :

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

(ii). Total Financial Outlay for CA(Rupees in lakhs)

Patch Wise Details						
S. no	Patch No.	Area(ha.)	Name of PF/DF	Range	Compartment No	Uploaded KML file of patch
1	1	10	UPF	Kumarsain	C-207	View file
2	2	5	DPF	Kumarsain	C-17	View file
3	3	5	DPF	Kumarsain	C-18	View file
4	4	20	UPF	Kumarsain	C-214	View file
5	5	10	UPF	Kumarsain	C-214	View file
6	6	10	UPF	Kumarsain	C-233	View file
7	13	10	DPF	Kumarsain	CN-14	View file
8	14	10	DPF	Kumarsain	CN-12	View file
9	15	8	UPF	Kumarsain	C-218	View file
10	16	10	UPF	Kumarsain	C-207	View file
11	17	5	UPF	Kumarsain	C-206	View file
12	7	10	UPF	Kumarsain	C-231	View file
13	8	10	UPF	Kumarsain	C-233	View file
14	9	10	DPF	Kumarsain	C-32	View file
15	10	10	DPF	Nanti/Sain	CN-17	View file
16	11	7	UPF	Kumarsain	C-232	View file
17	12	10	UPF	Kumarsain	C-216	View file

(iii). Copy of CA scheme details

(iv).

Scanned copy of the Geo-referenced map of the forest land proposed for CA, prepared by using GIS or Remote Sensing : No

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

Additional information Details :

S. No.	Documents	Remarks
1	[illegible]	Part-II of Kotgarh Forest Division
2	[illegible]	SIII of HPV of Kotgarh Div.

Division-I, Shimla(Shimla)

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

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

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

(i) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	159.3484	0.4575	Eco 6

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

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm
1	Others	Shisham Dalbergia sissoo.	1485	369	112	14	1	0
2	Others	Chil (Pinus roxburgii)	1	25	14	3	1	0
3	Others	BL	5230	816	339	95	15	29

(iii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL+5 meter :

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

(iv) Species-wise local/scientific names and girth-wise enumeration of trees at FRL+8 meter :

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

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

(i) & (ii) Nil, as it is not prescribed in working circle as per working plan.

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

7. Approximate distance of the proposed site for diversion from boundary of National Park/Sanctuary : N.A.

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

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

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

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

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

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

9.

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

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

10. Comments as to the suitability of the extent of the forest land proposed for diversion :

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

11. Details of violation(if, it was committed) :

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

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

13. Details of compensatory afforestation scheme :

(i) Patch wise details (or Degraded Area to be afforested)for UFM

(ii) Total Financial Outlay for CAF is (in) : 3484078

Patch Wise Details

S.no	Patch No.	Area(hs.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	10	D-5 Bhagat	Hankhari	D-5 Bhagat	View file
2	2	12	UPF Chari	Hankhari	UPF Chari	View file
3	3	25	UPF Batuna	Rampur	UPF Batuna	View file
4	4	10	D-5 Gahan c-III	Hankhari	D-5 Gahan c-III	View file
5	5	10	UPF Nagauni	Hankhari	UPF nagauni	View file
6	6	10	UPF-12 Dhargar c-ii	Nagrotasurian	UPF-12 Dhargar c-ii	View file
7	13	10	RF Chatori	Nurag	RF Chatori	View file
8	14	10	RF Mehalana c-i	nurag	RF Mehalana c-i	View file
9	15	10	RF Unchakot c-vii	Sarahan	RF Unchakot c-vii	View file
10	16	20	UPF Ghirad	Sarahan	UPF Ghirad	View file
11	17	15	UPF Bara Chakli	Sarahan	UPF Bara Chakli	View file

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12	18	10	RF Shallagni	Narag	RF Shallagni	View file
13	7	10	DPF Challan	Negrotaxorian	DPF Challan	View file
14	5	5	U-7 Majheen	Negrotaxorian	U-7 Majheen	View file
15	10	10	RF Khaban	Hasbas	RF Khaban	View file
16	9	37	RF Tachika	Nehan	RF Tachaka	View file
17	11	30	R F Doli c-III	Narag	RF Doli c-III	View file
18	12	10	RF Doli c-I	Narag	RF Doli c-I	View file

(iii) Copy of CA scheme details:

(iv) Notarized copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or Total Station

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

Additional information (s):

S. No.	Documents	Remarks
1		Wildlife certificate
2		Check list.
3		Check List No. 19 regarding violation certificate.
4		NPV bill of Shimla Forest Division
5		Part II of Shimla Forest Division.

14. District Profile :

S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on(date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
1	Mandi	66354	48407	149.401	18	298.302	31/03/2020	296.302	0
2	Shimla	27090	13079.28	41.2683	32	93.70	31/12/2019	83.70	0
3	Shimla	99158.34	32198.34	376.7918	151	708.0858	31/03/2019	585.76	4.79

15. Site inspection report of the DFO/CCF/Nodal Officer highlighting inspection done pertaining to the forest land :

Division Name	Circle	Site Inspected By	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
Karsog	Mandi	DFO	Yes	One		10/12/2019
Kotgarh	Rampur	DFO	Yes	One		17/12/2019
	Rampur	CF	No		No Data	
Shimla(Shimla)	Shimla	DFO	Yes	One		16/12/2019
	Shimla	CF	Yes	One		29/05/2020

Specific recommendation of the DFO/CCF/Nodal Officer with/Part II,III,IV (Part-IV)

16. Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reasons :

Division	Circle	Recommendation	Recommendation	Reasons	Letter	Whether

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		By				CF agreed
Namsai	Namsai	DFO	Recommended	Since the land is required form of green energy i.e. Hydel Project, so case is recommended.	₹	
Kotgarh	Rampur	DFO	Recommended	Since the land is required form of green energy i.e. Hydel Project, so case is recommended	₹	
Shimla(Rural)	Shimla	DFO	Recommended	Recommended.	₹	
	Rampur	CF	Recommended	The case is recommended for approval as per the justification given in check list No.16	₹	Yes
	Namsai	CF	Recommended	The very proposal relates to clean energy, also the under ground dam and reservoir are going to be very near to each other thereby existing least disturbance to aquatic flora fauna and natural flow . Hence recommended for clearance under FCA 1980	₹	Yes
	Shimla	CF	Recommended	Recommended for approval under FCA, 1980.	₹	Yes

Next page

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

PART-II

(To be filled by the concerned Conservator of Forests)

24.	Whether site where the forest land involved is located has been inspected by concerned Conservator of Forests? If yes, the date of inspection and other observations made in form inspection note is to be enclosed.	Yes On 28th of May 2020. Attached (page no 34)
25.	Whether the concerned Conservator of Forests agrees with the information given in Part-II and the recommendations of Deputy Conservator of Forests.	I do agree.
26.	Specific recommendations of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.	Recommended being clean energy project for diversion under FCA 1980

Date 02.6.20
Place Mandi

Signature 02/6/2020
Name Upasana
Chief Conservator of Forests (T)
Forest Circle, Mandi (H.P.)

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INSPECTION NOTE

BY MRS. UPASANA PATIAL, IFS, CCF, FOREST CIRCLE, MANDI FOR DIVERION OF 210. 4349 HACTARE OF FORENT LAND IN FAVOUR OF SJVNL FOR THE CONSTRUCTION OF SUNNI DAM HEP WITHIN THE JURISDICTION OF KARSOG FOREST DIVISON.

DATE OF INSPECTION : 28/05/2020

Site was inspected along with DFO Karsog and User Agency and it was observed that already some work has been carried out by the User Agency for which Govt. of India, Ministry of Environment & Forests has already allowed them.

Area of two ranges namely Paonta and Seri is involved in the Project proposal and 11238 trees of miscellaneous species are enumerated for the same. Miscellaneous plant species are there in the area and majority of the area is dry and stony with medium statured vegetation. 3.19 ha. area will be used for the construction of Power House Tunnels which will be exclusively underground construction. Rest of the area will be used for reservoir and other works. It is worthwhile to mention that majority of the trees will be partly submerged. The area is unavoidable and best possible site from technical point of view has been selected owing to the geographical features and width of the river Sutlej. As it is going to be clean energy project and in the National interest the case is recommended for diversion under F.C.A. 1980.

28/5/2020

(UPASANA PATIAL, IFS)
Chief Conservator of Forests,
Forest Circle, MANDI, HP.

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SITE INSPECTION REPORT

For the Forest Land to be diverted under FCA 1980

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

Date of inspection: 13.10.2020

A proposal has been received from the Office of Chief General Manager /HOP, SJVN Ltd., Sunni Dam Hydro Electric Project for diversion of forest land of 200.4349ha. and 0.7171ha. Basi land = 201.1520ha. in respect of Kanag Forest Division for Non-Forestry purpose. The project envisages the use of forest land and Basi land for the construction of Sunni Dam HEP (382MW). The site was inspected alongwith DFO Kanag and User Agency and it was observed that already some work has been carried out by the user agency for which Govt. of India, Ministry of Environment, Forest & CC has already allowed them.

The area of Pangna, Kanag and Seri ranges is involved in the project and the land required by the User Agency is a forest area measuring 200.4349ha. and Basi land 0.7171ha. Total land = 201.1520ha. Trees of miscellaneous species have been enumerated for the diversion of the land and the majority of the area is refractory and sloppy. 3.1945 ha. area will be required for the construction of power house/tunnels, which will be exclusively underground construction. Rest of the area will be used for reservoir and other works. The area is unavoidable and is barest minimum required for the project.

Since the land is required to form a green energy i.e. Hydro Electric Project and is in the national interest, hence proposal is recommended for the diversion under FCA 1980.

(Surender Kumar Munaffe)
Chief Conservator of Forests
Forest Circle, Mandi (H.P.)
Chief Conservator of Forest (T)
Mandi Forest Circle Mandi (H.P.)

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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)

☑ Detailed opinion and specific recommendation of the State Forest Department for acceptance or otherwise of the proposal with reasons.

Recommended.

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

Date 14/01/2021
Place Shimla

Signature
Name [illegible] Rajput
Designation DCF [illegible]
Official Seal

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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 authorised officer of the State Government not below the rank of an Under Secretary]

22. Recommendations 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: 14.2.21

Place: Shimla

Recommended

Signature

Name

Official Seal

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

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

The proposed Sunni Dam Hydroelectric project is situated on Sutlej River near Khaira Village in Shimla/Mandi districts of Himachal Pradesh. Dam is located at Lat. 31° 14' 53" N and Long. 77° 12' 36" E. On the upstream of the project lies the 412 MW Rampur HPS, which utilizes water discharged from the further upstream 1500 MW Nathpa-Jhakri project. On the Downstream of Sunni Dam Hydroelectric project, lies the 800 MW Kol Dam HPS (FRL 642 m) in between Dampur HPS and proposed Sunni Dam Project, Luhri HEP Stage-I (nearly 30 km upstream) and Luhri Hydroelectric Project Stage –II (Between LHEP-I & Sunni Dam) are also proposed.

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

A 82m high concrete gravity dam from av. River Bed level 948m, with internal 4 nos. gated spillways having size of 8.5m (W) X 15.5m (H) have been proposed. The FRL/Reservoir Level has been kept at 932.0 m and Minimum Draw Down Level at El. 909.50m. The length of the dam at top shall be 365.42 m.

Underground power house having size of 185.42 m (L) x 22.0 m (W) x 48.76 m (H) shall be provided on right bank with installed capacity of 382 MW (4 x 75 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 420m inside the hill with a top cover of a 300m.

The project is estimated to cost 2558.71 Cr. including IDC and financing charges in June, 2019 price level. The Annual energy of the project calculated as 1381.73 GWh. The tariffs for the project are as below: 1st year Tariff 4.53/kWh, Levelized Tariff 4.15/kWh. The construction period of the project has been proposed as 4 years 6.7 months.

The diversion of total 391.8863 ha of forest land for the Project *(138.3484 ha in Shimla Forest Division (138.0654 ha open surface area+0.6830ha underground/Subsurface area) + 19.3859 ha. in Rampur Forest Division + 201.1520 ha (197.9772ha open surface area+3.1945ha underground/Subsurface area) in Karcham Forest Division)* in various Khasra Nos. as per check List-07 showing details of forest land proposed for diversion, is required for establishment of Sunni Dam HEP located in Northern Power region.

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

Total 27 (Twenty seven) Nos. of villages in 11 (eleven) Nos. of Panchayats in Shimla and Mandi Districts in Himachal Pradesh will be directly benefitted due to establishment of the project. The details of villages/ Panchayats is as under:

Name of District	Name of Division	Name of Panchayat	Name of village
Shimla	Shimla	Kanyali	Jakhi
			Dharyara
		Chseri	Khairn
			Lanna
			Manjgaon
		Bag	Balhoura
			Panshaya
			Cochaica
		Ogli	Talak
			Ogli
			Kothi
			Malgi
	Kotgarh	Rondor	Bhrauli
			Talch
		Mogra	Jhanjhan
			Majhoorgi
Mandi	Karsog	Sethyala	Jakhyan
			Magnan
			Dabog
		Bhanda	Bhaura(खीरी)
		Parlag	Dahran (धनारी)
			Khanach
			Parlag
			Dehadhani
		Bhaslon	Khatyali
		Nanaj	Chaiya
			Tundu

About 56,57,500 person-days will be generated directly as a result of establishment of the Project in addition to permanent regular employment for about 318 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, Bilthal

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Employment likely to be generated from project

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

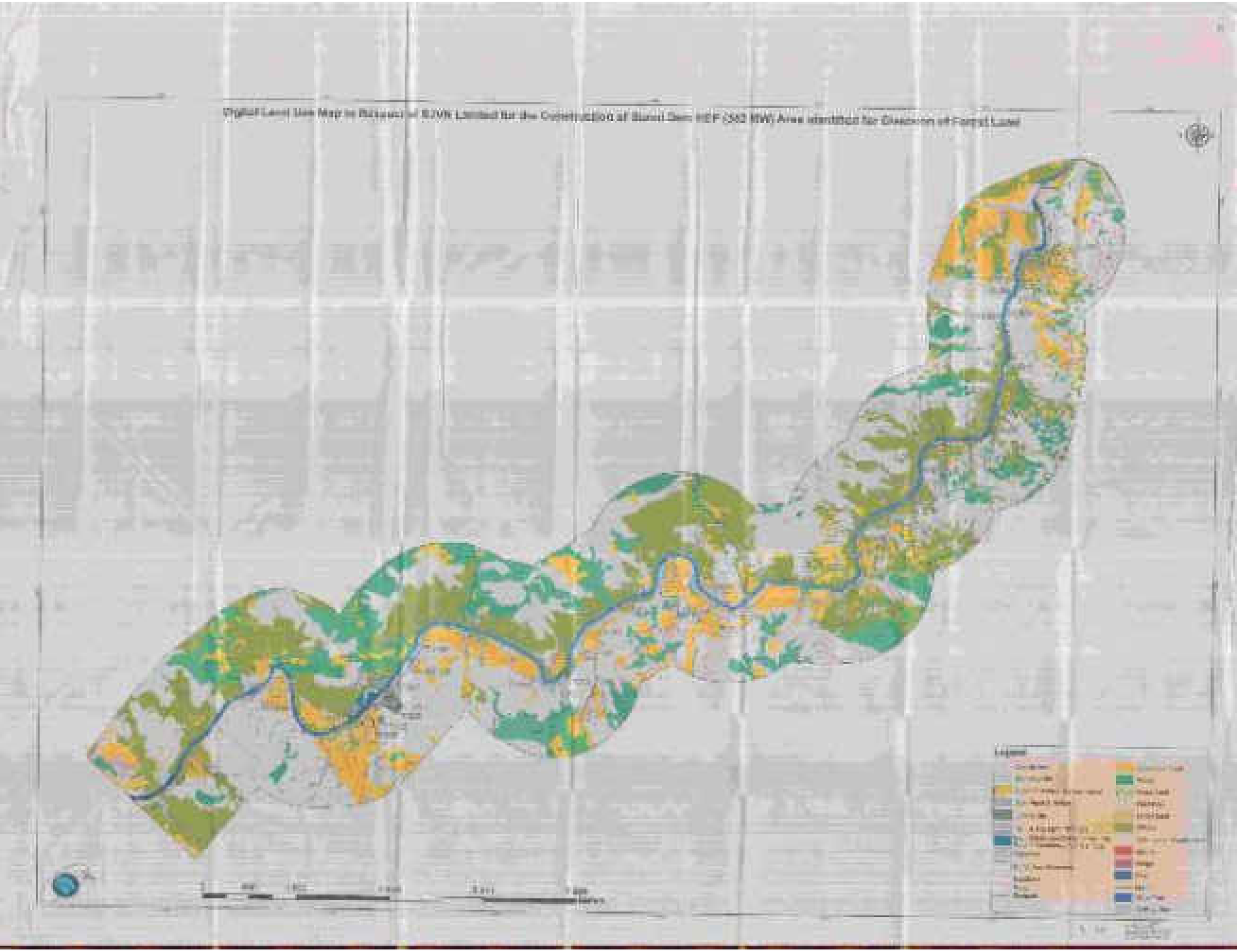
310 employees are likely to be required for construction stage of the project which is to be managed from the existing strength of manpower of corporation

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

Persons to be required- 3500
Mandays to be generated= 56,57,500 Days

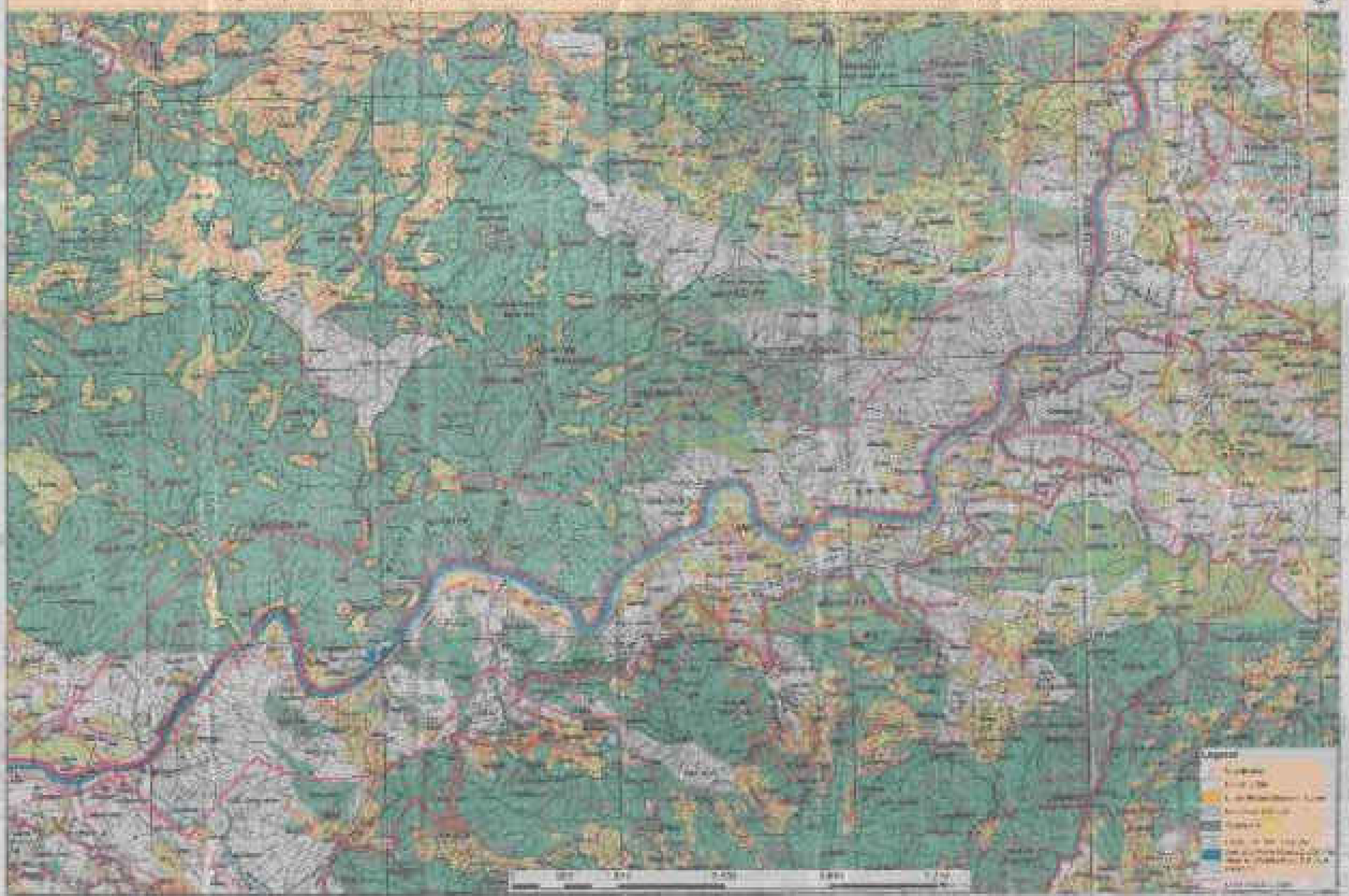
Er. R. L. Negi
Head of Project
SJVNL LHEP Bithal

Digital Land Use Map for Release of RVK Limited for the Construction of Bursar Dam HEP (300 MW) Area identified for Diversion of Forest Land

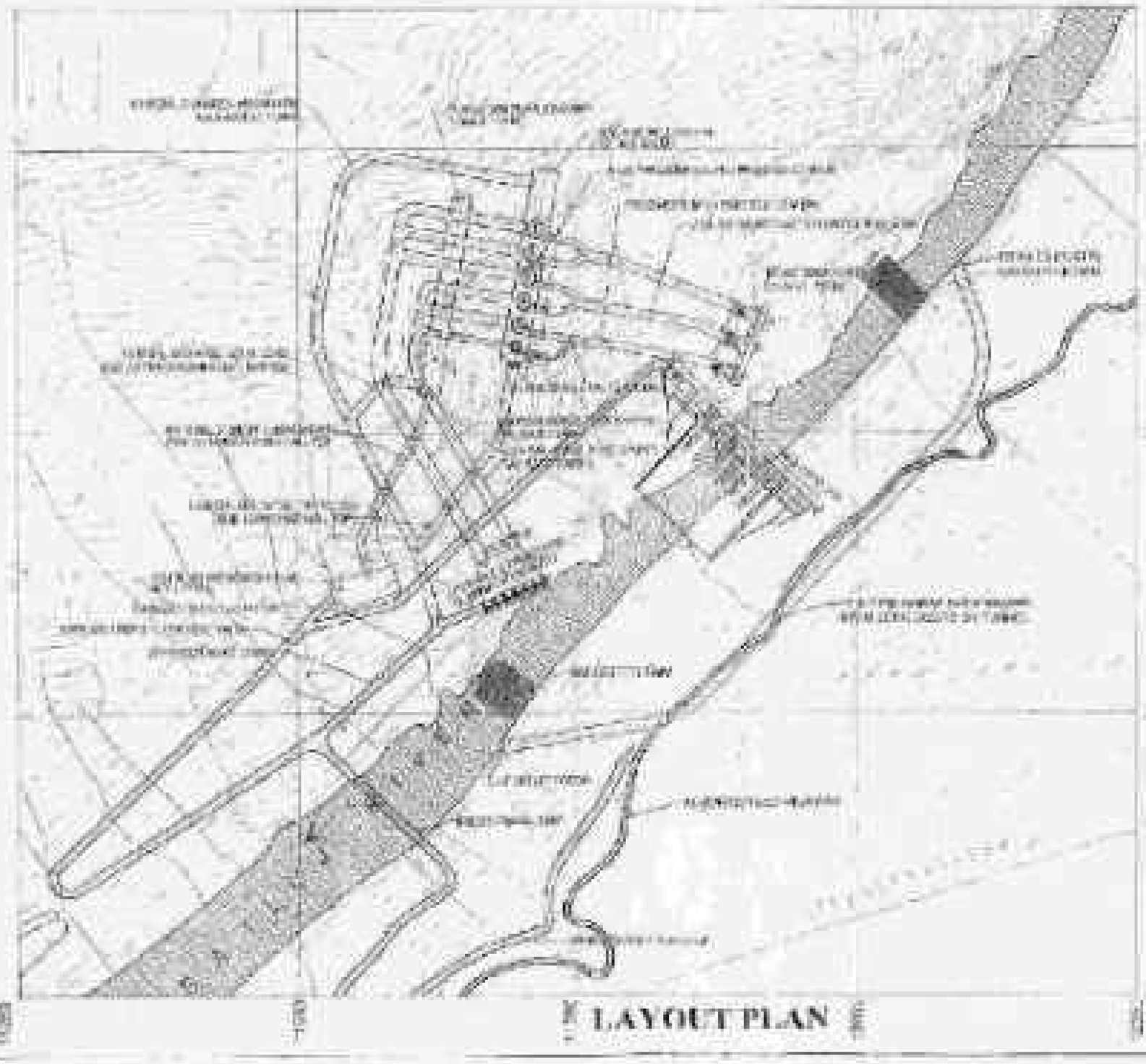


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Digital Topsheet Map in Respect of SJVN Limited for the Construction of Sunni Dam HEP (252 MW) Area identified for Diversion of Forest Land:



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LAYOUT PLAN

PDF Compressor Free Version

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

File No.:

Date of Proposal:

CHECK LIST SERIAL NUMBER: - 07

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

Sr. No	District	Division	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number or Rev. Estate	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Revenue
				[illegible]	[illegible]	[illegible]	
				[illegible]	[illegible]	[illegible]	
				[illegible]	[illegible]		
				[illegible]	[illegible]	[illegible]	
				[illegible]	[illegible]	[illegible]	
				[illegible]	[illegible]	[illegible]

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	〃	〃	〃	12	0.4263	खराद दरवाजा
	〃	〃	〃	14/1	0.5263	लो फुलक्रिम पाइप
	〃	〃	〃	14	0.4507	खराद दरवाजा
	〃	〃	〃	15	0.6149	खराद बीम 1500
	〃	〃	〃	16	0.5126	खराद बीम बड़ा
	〃	〃	〃	17	0.6000	खराद दरवाजा
	〃	〃	〃	17/1	0.6120	खराद दरवाजा
	〃	〃	〃	21	0.5219	लो फुलक्रिम पाइप
	〃	〃	〃	20/2	0.6300	खराद कैन्द्रुला पेन्द्रुला
	〃	〃	〃	20/3	0.7301	खराद कैन्द्रुला पेन्द्रुला
	〃	〃	〃	3/20	0.6378	खराद कैन्द्रुला पेन्द्रुला
	〃	〃	〃	1/21	0.6295	खराद दरवाजा
	〃	〃	〃	22/23	0.5338	लो फुलक्रिम पाइप
				सिब्ज-14	13.6258	
3	बन्दी	बरखोप	खराद दरवाजा दरवाजी	14/2	0.6078	दरवाजा दरवाजा
	〃	〃	〃	13	0.6726	खराद दरवाजा
	〃	〃	〃	13/1	0.6716	लो फुलक्रिम पाइप
	〃	〃	〃	11	0.6386	खराद दरवाजा
	〃	〃	〃	12/20/2	0.7742	खराद दरवाजा
	〃	〃	〃	12/20/1	0.7013	खराद कैन्द्रुला पेन्द्रुला
	〃	〃	〃	1/20	0.7234	लो फुलक्रिम पाइप
	〃	〃	〃	2/20	0.6720	लो फुलक्रिम पाइप
	〃	〃	〃	12/20/3	0.7429	खराद कैन्द्रुला पेन्द्रुला
	〃	〃	〃	17/23	0.8323	लो फुलक्रिम पाइप
	〃	〃	〃	19/1	0.6870	खराद दरवाजा
	〃	〃	〃	42/1	0.8695	खराद दरवाजा
	〃	〃	〃	43/2	0.8438	खराद दरवाजा
	〃	〃	〃	44/2/1	0.7240	खराद दरवाजा
				सिब्ज-15	15.8258	
4	बन्दी	बरखोप	खराद दरवाजा दरवाजी	1/17	0.7758	लो फुलक्रिम पाइप
	〃	〃	〃	2/18	0.8726	लो फुलक्रिम पाइप
	〃	〃	〃	12/20/2	0.7810	खराद दरवाजा
	〃	〃	〃	12/20/1	0.7642	खराद दरवाजा
	〃	〃	〃	12/20/3	0.7638	खराद कैन्द्रुला पेन्द्रुला
	〃	〃	〃	19/20/1	0.6810	खराद पेन्द्रुला पेन्द्रुला
	〃	〃	〃	3/19/2/1	0.7529	खराद दरवाजा
				सिब्ज-17	22.2359	
5	बन्दी	बरखोप	खराद दरवाजा दरवाजी	7/1	0.6863	लो फुलक्रिम पाइप
	〃	〃	〃	6/1	0.7260	लो फुलक्रिम पाइप
	〃	〃	〃	4/7	0.6729	लो फुलक्रिम पाइप

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

Addl. General Manager
Envt. Deptt. LHEP
SJVN Ltd., Rishal-172903

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

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

Name of the Project: Jhinu Dam Project (3*11 MW)
File No.:
Date of Proposal:

CHECK LIST/SERIAL NUMBER: 1.17

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

Sl. No.	District	Division	Range/ Block/ Village	Khasra No./ Compartment Number as the case may be	Area proposed for diversion (Ha)	Legal status of forest land	Remarks
1	Bageshwar	Kapkot	Kapkot Ghat Kapkot area	1	0.222	Reserve Forest	
	"	"	"	137	2.1170	Village Kapkot	
	"	"	"	1	0.285	Village Kapkot	
				Total	25.8852		
2	Almora	Almora	Kosi Forest Range Kosi	1	0.222	Reserve Forest	
	"	"	"	33	0.1170	Village Kosi Kalan	
	"	"	"	1	0.285	Village Kosi Kalan	
	"	"	"	52	0.0870	Village Kosi Kalan	
	"	"	"	61	0.0870	Village Kosi Kalan	
	"	"	"	234	0.0870	Village Kosi Kalan	
	"	"	"	15	0.0870	Village Kosi Kalan	
	"	"	"	1	0.0870	Village Kosi Kalan	
	"	"	"	2	0.0870	Village Kosi Kalan	
	"	"	"	1

Full Title of the Project: *Sunni Dam Project (382 MW).*
File No. :
Date of Proposal:
CHECK LAST SERIAL NUMBER: - 87

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

Sr. No	District	Division	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number or Rev. Name	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Shimla	Shimla	खरल खुन्नू बगलोरी रक्षित वनक्षेत्र	46	0.3142	संरक्षित वनक्षेत्र	
	—"—	—"—	—"—	51	0.7431	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	57	0.2281	संरक्षित वनक्षेत्र	
	—"—	—"—	—"—	63/2/2/2	2.2020	संरक्षित वनक्षेत्र	
	—"—	—"—	—"—	58	0.7480	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	59	0.3863	संरक्षित जिला वनक्षेत्र	
				योग-क	4.5576		
2	Shimla	Shimla	खरल खोड़ा रक्षित वनक्षेत्र	2459	10.9826	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	330	0.0681	वि. दुर्गावर वनक्षेत्र	
	—"—	—"—	—"—	333	0.8637	वि. दुर्गावर वनक्षेत्र	
					38.1448		
			खरल खोड़ा रक्षित वनक्षेत्र				
	—"—	—"—	—"—	3419	2.1241	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	3819	0.733	वि. दुर्गावर वनक्षेत्र	
	—"—	—"—	—"—	64/3/3/1	7.7385	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	3893	0.1275	संरक्षित जिला वनक्षेत्र	
				योग-ख	13.6563		
					26.7969		
	Shimla	Shimla	खरल खोड़ा रक्षित वनक्षेत्र	306	0.0831	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	308	0.0872	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	326	0.0424	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	330	0.1234	संरक्षित जिला वनक्षेत्र	
	—"—	—"—	—"—	333	0.3480	संरक्षित वनक्षेत्र	
	—"—	—"—	—"—	337	0.0164	संरक्षित जिला वनक्षेत्र	

Sub... Shimla (Rural)
AE PPP&D Shimla
Technical Expert
M.S.E.B.L
Dy. Conservator of Forests Delhi
JE PPP&D
Divisional Officer Shimla Forest Life

	---"	---"	---"	114	0.0104	खराब सिंह इसारा	
	---"	---"	---"	501	0.1176	खराब सिंह इसारा	
	---"	---"	---"	505	0.0033	खराब सिंह इसारा	Road to Quarry
	---"	---"	---"	209	0.0131	खराब सिंह इसारा	
	---"	---"	---"	200	0.1130	वि पुलिस लाइ	
	---"	---"	---"	251	0.0141	खराब सिंह इसारा	
	---"	---"	---"	202	0.0170	खराब सिंह इसारा	
	---"	---"	---"	117	0.1726	खराब सिंह इसारा	
	---"	---"	---"	114	0.1501	खराब सिंह इसारा	
	---"	---"	---"	205	0.0161	वि पुलिस लाइ	
	---"	---"	---"	204	0.0213	वि पुलिस लाइ	
				40m-2	2.4684		
		Total in Khatra Village		80m-2a	11.8103		
1	---"	---"	खराब सिंह इसारा	1	1.1154	वि पुलिस लाइ	
	---"	---"	---"	13	0.1772	खराब इसारा	
				41	1.1402	खराब सिंह इसारा	
	---"	---"	---"	42	0.1525	खराब इसारा	
	---"	---"	---"	201	0.1420	खराब सिंह इसारा	
	---"	---"	---"	44	0.1451	खराब इसारा	
	---"	---"	---"	45	0.1411	खराब इसारा	
	---"	---"	---"	19	0.1731	खराब इसारा	
	---"	---"	---"	1	1.1149	वि पुलिस लाइन	
	---"	---"	---"	8	1.1451	वि पुलिस लाइन	
	---"	---"	---"	9	1.1461	खराब इसारा	
	---"	---"	---"	109,113	0.1199	खराब सिंह इसारा	
	---"	---"	---"	229	0.0182	खराब सिंह इसारा	
	---"	---"	---"	228	0.0543	खराब सिंह इसारा	
	---"	---"	---"	227	0.0705	वि पुलिस लाइ	
	---"	---"	---"	222	0.0231	वि पुलिस लाइन	
	---"	---"	---"	224?	0.0435	वि पुलिस लाइन	
	---"	---"	---"	220	0.0170	खराब इसारा	
	---"	---"	---"	170	0.1126	खराब सिंह इसारा	
	---"	---"	---"	182?	0.1784	खराब इसारा	
	---"	---"	---"	183?	0.1232	खराब सिंह इसारा	
	---"	---"	---"	47?	0.1281	खराब इसारा	
	---"	---"	---"	48?	0.1119	खराब सिंह इसारा	

Ex. S.L. Road
Commissioner
Survey Dept

Sub Division Magistrate
Solan

AE HPPWD
Rural

Tehsildar
Solan

HPSEBL

Dy Commissioner
Forest Deptt

JE
Dy Director

	〃	〃	〃	११	0.2015	बगलाव किंवा डबलाव	
	〃	〃	〃	१२	0.2046	दाबून बसवणे	
	〃	〃	〃	४५	0.2040	बसवणे बसवून पोचपट्टा करणे	
	〃	〃	〃	१०३१	0.2019	बगलाव किंवा डबलाव	
	〃	〃	〃	२४१	0.2039	दि पुर्वाक्षेप मुरुम	
	〃	〃	〃	४४१	0.2118	दि पुर्वाक्षेप गाळा	
	〃	〃	〃	५३	0.1162	बसवणे डबलाव	
	〃	〃	〃	३१	0.2056	बगलाव बसवणे	
	〃	〃	〃	५३	0.2142	बगलाव डबलाव	
	〃	〃	〃	८५	0.1569	बगलाव डबलाव	
				जिल्हा: ३३	18.2087		
4	जिल्हाधिकारी	जिल्हाधिकारी	खाजगी मालकाची जमीन	५१	5.2016	दि पुर्वाक्षेप बगलाव	
	〃	〃	〃	१२१	0.2021	बगलाव किंवा डबलाव	
	〃	〃	〃	३१	2.4850	बगलाव डबलाव	
	〃	〃	〃	४५१	1.4042	दि पुर्वाक्षेप दाबून	
	〃	〃	〃	५१	0.1923	बगलाव डबलाव	
	〃	〃	〃	४१	4.3150	बगलाव डबलाव	
	〃	〃	〃	४४१	3.5764	दि पुर्वाक्षेप दाबून	
	〃	〃	〃	४१	0.2021	बगलाव डबलाव	
	〃	〃	〃	५०४	0.2247	दि पुर्वाक्षेप डबलाव	
	〃	〃	〃	५१४	0.5864	दि पुर्वाक्षेप डबलाव	
	〃	〃	〃	५१	0.2020	बगलाव डबलाव	
	〃	〃	〃	५१	0.2215	बगलाव किंवा डबलाव	
	〃	〃	〃	५१	0.2115	बगलाव डबलाव	
	〃	〃	〃	५१	0.2184	दि पुर्वाक्षेप दाबून	
	〃	〃	〃	४०१३	0.2058	दि पुर्वाक्षेप दाबून	
	〃	〃	〃	०३३१	0.2115	बगलाव डबलाव	
	〃	〃	〃	४५१	0.2248	दि पुर्वाक्षेप डबलाव	
	〃	〃	〃	५१	0.2115	बगलाव डबलाव	
	〃	〃	〃	४१	0.2115	बगलाव डबलाव	
				जिल्हा: ४१	18.4853		
3	जिल्हाधिकारी	जिल्हाधिकारी	खाजगी मालकाची जमीन	१	3.2132	दि पुर्वाक्षेप बगलाव	
	〃	〃	〃	२	3.2148	दि पुर्वाक्षेप बगलाव	
	〃	〃	〃	३४१	3.2145	बगलाव डबलाव	
	〃	〃	〃	५१	0.2134	बगलाव बसवणे	
	〃	〃	〃	४१३	0.2171	दि पुर्वाक्षेप गाळा	
	〃	〃	〃	३४१	2.9033	बगलाव किंवा डबलाव	
	〃	〃	〃	१	0.1484	दि पुर्वाक्षेप डबलाव	
	〃	〃	〃	४	0.2103	बगलाव किंवा डबलाव	
	〃	〃	〃	१	0.0812	बगलाव डबलाव	
	〃	〃	〃	४	0.2121	बगलाव डबलाव	
	〃	〃	〃	३४१३	0.2211	बगलाव डबलाव	
		〃	〃	१४१	0.2058	बगलाव किंवा डबलाव	
	〃	〃	〃	३४१	0.2424	बगलाव डबलाव	
	〃	〃	〃	३४१	0.2428	बगलाव डबलाव	
	〃	〃	〃	४१	0.2103	दि पुर्वाक्षेप दाबून	
	〃	〃	〃	४४१	0.2011	बगलाव डबलाव	

Dy. R.L. Engg
GRMC
SJVNL

Sub-Divisional Officer
Shimla (Rural)

AE Hydro
SJVNL

Technician
SJVNL

RO
HPSEBL

Forest Deptt

JE Hydro

Forest Officer

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				মোট =৩	২১.৫৬৫		
৬	ঐ/এস	বিশ্বাস	খাদেম আলী তালুকদার বাড়ী	১	১.১২৯	দাঁ মুক্তিকা বালির	
	—ঐ—	—ঐ—	—ঐ—	২	৪.৬৭১	দাঁ মুক্তিকা বালির	
	—ঐ—	—ঐ—	—ঐ—	১৪৫৫	১.৭৪৯	বালায় চাষাদি	
	—ঐ—	—ঐ—	—ঐ—	১৪৬৬	১.১৪৩	বালায় চাষাদি	
	—ঐ—	—ঐ—	—ঐ—	৮৪৩১২	৪.৪২৪	বালায় চাষাদি	
	—ঐ—	—ঐ—	—ঐ—	৪৮৩১১	৪.৪৭২	বালায় চাষাদি	
	—ঐ—	—ঐ—	—ঐ—	৪৮৩১১	৪.৪৭২	বালায় চাষাদি	
	—ঐ—	—ঐ—	—ঐ—	৪৯

	---"---	---"---	---"---	1413	0.2433	बराबर सिंचाई उपलब्ध	
	---"---	---"---	---"---	143	0.2498	बराबर सिंचाई उपलब्ध	
	---"---	---"---	---"---	144	0.1554	बराबर सिंचाई उपलब्ध	
	---"---	---"---	---"---	145	3.4858	बराबर सिंचाई उपलब्ध	
	---"---	---"---	---"---	802/146	0.1858	बराबर सिंचाई उपलब्ध	
	---"---	---"---	---"---	803/145/1	0.4489	बराबर सिंचाई उपलब्ध	
				सिंचित-क	5.2777		
10	सिंचाई	सिंचाई	बराबर पंचायत सरकारी भवन	111	0.0857	पेंट कुमारेश भवन	
	---"---	---"---	---"---	4	2.2833	बराबर उपलब्ध	
	---"---	---"---	---"---	5	0.089	पेंट कुमारेश भवन	
	---"---	---"---	---"---	6	0.2085	अनिश्चित कुमारेश भवन	
	---"---	---"---	---"---	8	0.1090	बराबर उपलब्ध	
	---"---	---"---	---"---	78	0.8024	पेंट कुमारेश उपलब्ध	
	---"---	---"---	---"---	114	1.2088	पेंट कुमारेश उपलब्ध	
	---"---	---"---	---"---	115	0.0795	बराबर बराबर	
	---"---	---"---	---"---	147/223	0.8807	बराबर उपलब्ध	
	---"---	---"---	---"---	146/221	1.3149	बराबर उपलब्ध	
	---"---	---"---	---"---	213	2.8219	पेंट कुमारेश उपलब्ध	
				सिंचित-ग	15.0823		
11	सिंचाई	सिंचाई	बराबर जिला सरकारी भवन	1	2.2214	पेंट कुमारेश उपलब्ध	
	---"---	---"---	---"---	9/10	0.0928	बराबर उपलब्ध	
	---"---	---"---	---"---	57/2	2.4734	बराबर उपलब्ध	
	---"---	---"---	---"---	49/1	0.2010	पेंट कुमारेश भवन	
				सिंचित-घ	5.0886		
				कुल सिंचाधीन क्षेत्रफल	138.6684		
	Add Underground Natural Area for Irrigation Tenant in Mukul Khura				0.4050		
	For Tenant in Khamla Singrau				139.0484		

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

Dy. Director Surveys
Shillong (Rural)

A.E. Mawlai
Survey

Tehsildar
Survey

HPSEBL

Dr. R.L. Negi

Full Title of the Project: Sarnai Basin Project (202 MW).

Title for
Physical Progress:

CHECK AND SERIAL NUMBER : 02

LOCATION & HOLDING DETAILS OF PROJECT AFFECTED FAMILIES

Sr. No.	District	Tehsil	Mauza / Name of Village	Khasra Number or Compartment Number or Kila Number	Private Land proposed for acquisition (Kha)	Acquisition of Non-Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Sirsa	Sirsa	Sarai Qaim Shah Sarai Ghera		0.0639	Sarai Qaim Shah	
	"	"	"		0.1117	Sarai Ghera	
	"	"	"		0.0375	Sarai Qaim Shah	
	"	"	"		0.1139	Sarai Ghera	
	"	"	"		0.1781	Sarai Qaim Shah	
	"	"	"		0.0825	Sarai Ghera	
	"	"	"		0.1441	Sarai Qaim Shah	
	"	"	"		0.0971	Sarai Ghera	
	"	"	"		0.1131	Sarai Qaim Shah	
	"	"	"		0.1341	Sarai Ghera	
	"	"	"		0.2441	Sarai Qaim Shah	
	"	"	"		0.1267	Sarai Ghera	
	"	"	"		0.0787	Sarai Qaim Shah	
	"	"	"		0.0688	Sarai Ghera	
	"	"	"		0.1746	Sarai Qaim Shah	
	"	"	"		0.0787	Sarai Ghera	
	"	"	"		0.2787	Sarai Qaim Shah	
	"	"	"		0.0787	Sarai Ghera	
	"	"	"		0.0

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Full Title of the Project: *Sumil Dam Project (162 MW).*
File No.:
Date of Proposal:

CHECK LIST SERIAL NUMBER : 08

STATEMENT SHOWING DETAILS OF Private Land PROPOSED FOR DIVERSION

Sr. No	District	Division	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number or Km Stone	Private Land proposed for Diversion (Ha)	Legal status of Non-Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Kinnaur	Nichar	[illegible]	55	1.2253	Shrub	
				Km-1	1.2253		

Executive Engineer
Construction Division
SJVNL Urga Project

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Name/Title of the Project: Kerang Stage Project (102 MW)
File No.:
Date of Proposal:

STATEMENT SHOWING DETAILS OF Private Land PROPOSED FOR DIVERSION

Sr. No.	Khasra No.	Kanal	Mauza/Tehsil/Village	Area of Ownership as per Revenue Record	Private Land proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	2	3	4	5	6	7	8
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

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

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

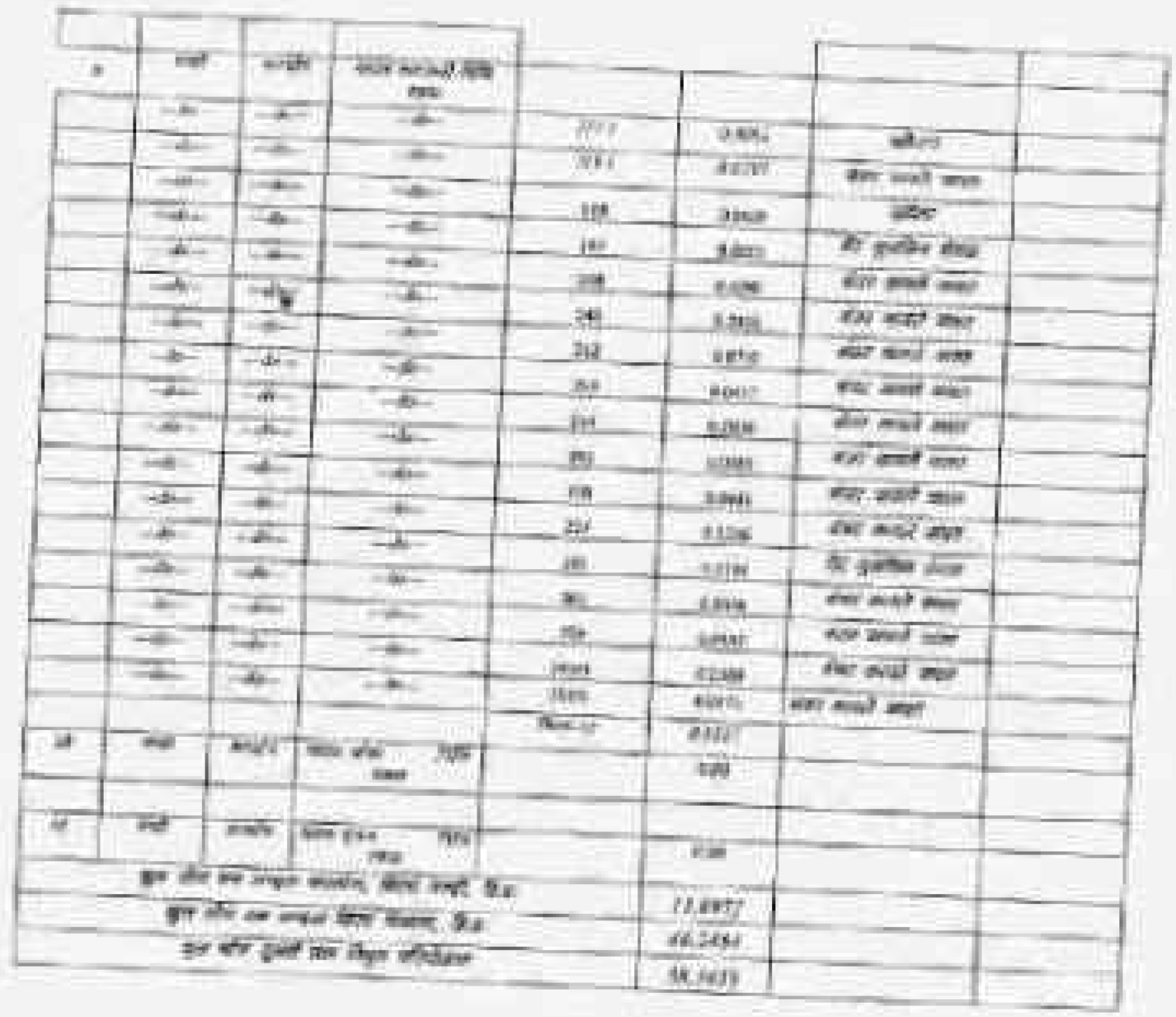
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Er. R.L. Negi
CGM/Head of Project
SJVN, LHEP, Bithal

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

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CERTIFICATE

It is certify that the land recorded in the check list No. 8 [i.e. list of private/ non-forest land] has not been recorded as forest in the revenue record.

Divisional Forest Officer,
Karsog Forest Division,HP.

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File No.DOCM-L-ROADS&BRDG/2-1/2016 LAC Branch-DC Office Mandi

WITHDRAWN]

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

No./Misc/LAC/2016 4675a-81 Dated: 26-12-2017

Non Availability Certificate.

In view of recommendation of Sub Divisional Officer (H) Karsog Distt Mandi H.P. vide his memo No. [illegible] dated [illegible] regarding non availability of Govt land for the construction of Tatapani Dam (NCP) in Tehsil Karsog, District Mandi HP alongwith proposal of forest land is hereby issued.

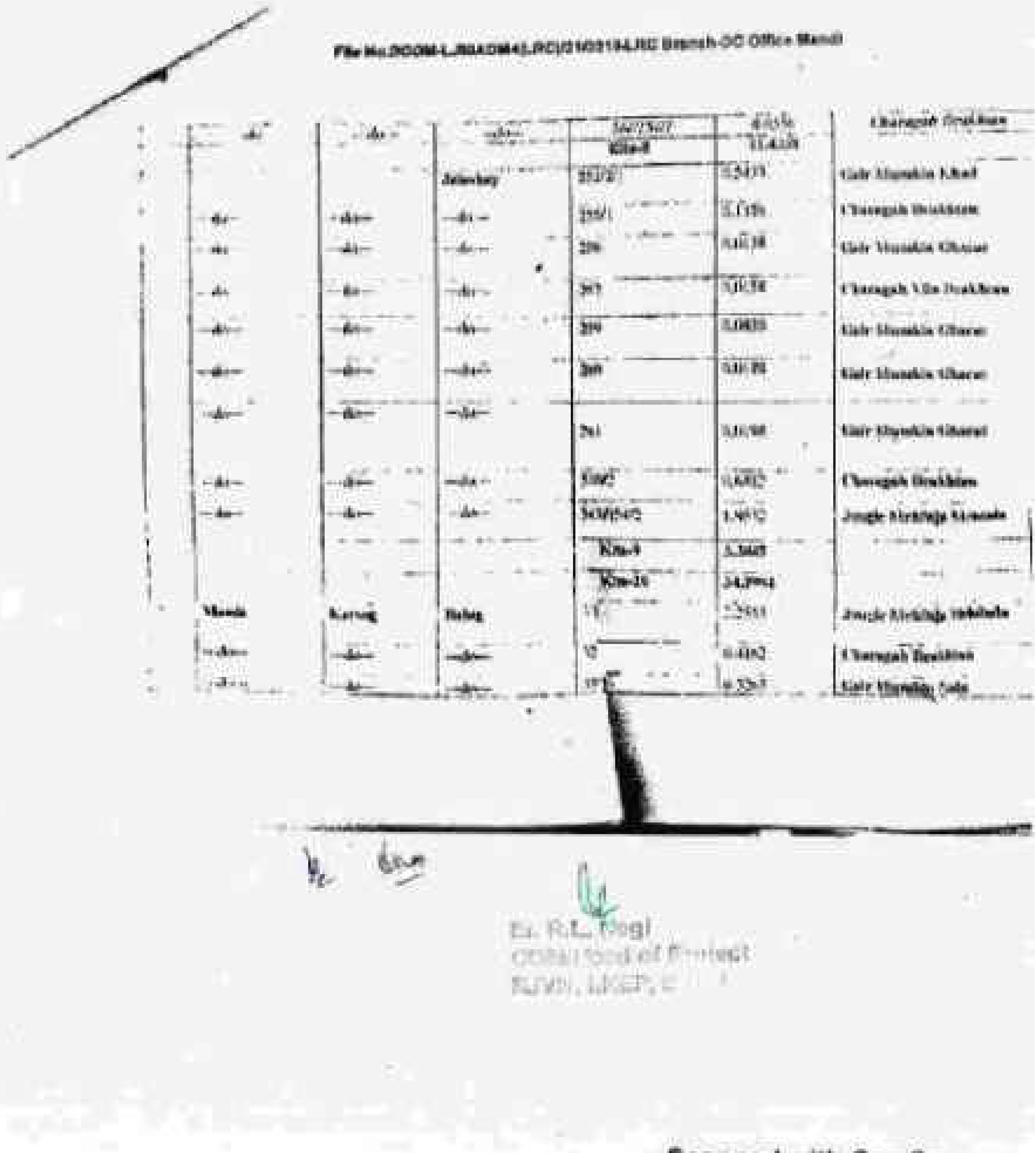
Sr. No	Kanungo Circle	Patwar Circle	Khasra/ Survey or Compartment Number or Rev. Plots	Total Area proposed for Diversion (Ha)	Legal status of Forest Area
1	Karsog	Karsog	[illegible]	[illegible]	Jungle Mohjab Mohabale
			[illegible]	[illegible]	Jungle Mohjab Mohabale
			[illegible]	[illegible]	Jungle Mohjab Mohabale
			[illegible]	[illegible]	Gair Mumkin Khud Chargah Tika Deodar
			[illegible]	[illegible]	Chargah Deodar Chargah Tika Deodar
			[illegible]	[illegible]	Chargah Deodar Gair Mumkin Banjar Chargah Deodar

Dy. DFO, Mandi
Competent Officer
Tatapani Dam Project

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File No.2COM-LJBAD/M4(LRC)/2102194/JEC Branch-OC Office Mandi



Ex. R.L. Negi
Consultant of Project
Rural, LRDP, C

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File No.DCDM-L.RS/ADM4(P/C)/21/2019-LRC Branch-DC Office Bhatinda

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File No.DCOM-L.R(ADM)4(LRC)/21/2019-LRC Branch-DC Office Mandi

				[illegible]	[illegible]	Chungoh Deokhan
				[illegible]	2.76/0	Jangir Mehfuja Mehefuja
				[illegible]	[illegible]	Jangir Mehfuja Hussain
				[illegible]	4.175	Chungoh Jhakkar
				[illegible]	[illegible]	
3	Kamal	Kanag	Fajjna	[illegible]	4.1965	Gair Mazlua Banga
				432	3.2640	Gair Mazlua Ganga
				127	3.4826	Gair Mazlua Danga
				[illegible]	3.868	Chungoh Dakhna
				[illegible]	3.242	Chungoh Dakhna
				[illegible]	3.361	Chungoh Dakhna
				[illegible]	3.960	Chungoh Dakhna
				[illegible]	3.920	Chungoh Jhakkar
				[illegible]	3.927	Chungoh Jhakkar
				[illegible]	[illegible]	Chungoh Bazar
				[illegible]	[illegible]	Chungoh Bazar
				[illegible]	[illegible]	Bhatti Ab
				[illegible]	[illegible]	Gair Ma
				[illegible]	[illegible]	Bang

Executive Engr
Water and Sanitation Project
SWS, LHP Mandi

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				118	5.025	Barnti Mal
				112/M3/1	0.620	Ghanpat Brothers
				113/07	5.070	Ghanpat Brothers
				115/43/1	0.610	Ghanpat Brothers
				Kha-18	0.240	
6	Mandi	Enroq	Ramesh	76/1	2.37-3	Jungle Mal/Jan Mahavir
				79	2.520	Ghanpat Brothers
				81	0.495	Gale Mandir Mal
				Kha-69	4.020	
7	Mandi	Karoq	Partig	114/91	4.060	Jungle Mal/Jan Mahavir
				2555/1	2.060	Dhanpat Brothers
				2551	1.620	Gale Mandir Mal
				330	1.620	Gale Mandir Mal
				3552	4.720	Gale Mandir Mal
				327	0.020	Jungle Mal/Jan Mahavir
					4.720	Ghanpat Brothers
					0.800	Ghanpat Brothers

Ex. R.L. Negi
Consultant of Project
CJVR, LRP, Mandi

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File No.DCC/B-L.R/ADM/(LRC)/21/2015-LBC Branch-DC Office Mandi

ID No/45/2019(1)

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File No.DC/GM-L.RS&DM4(1.R/C)/21/2019-LRC Branch-DC Office Mandi

F16(2)2019(1)

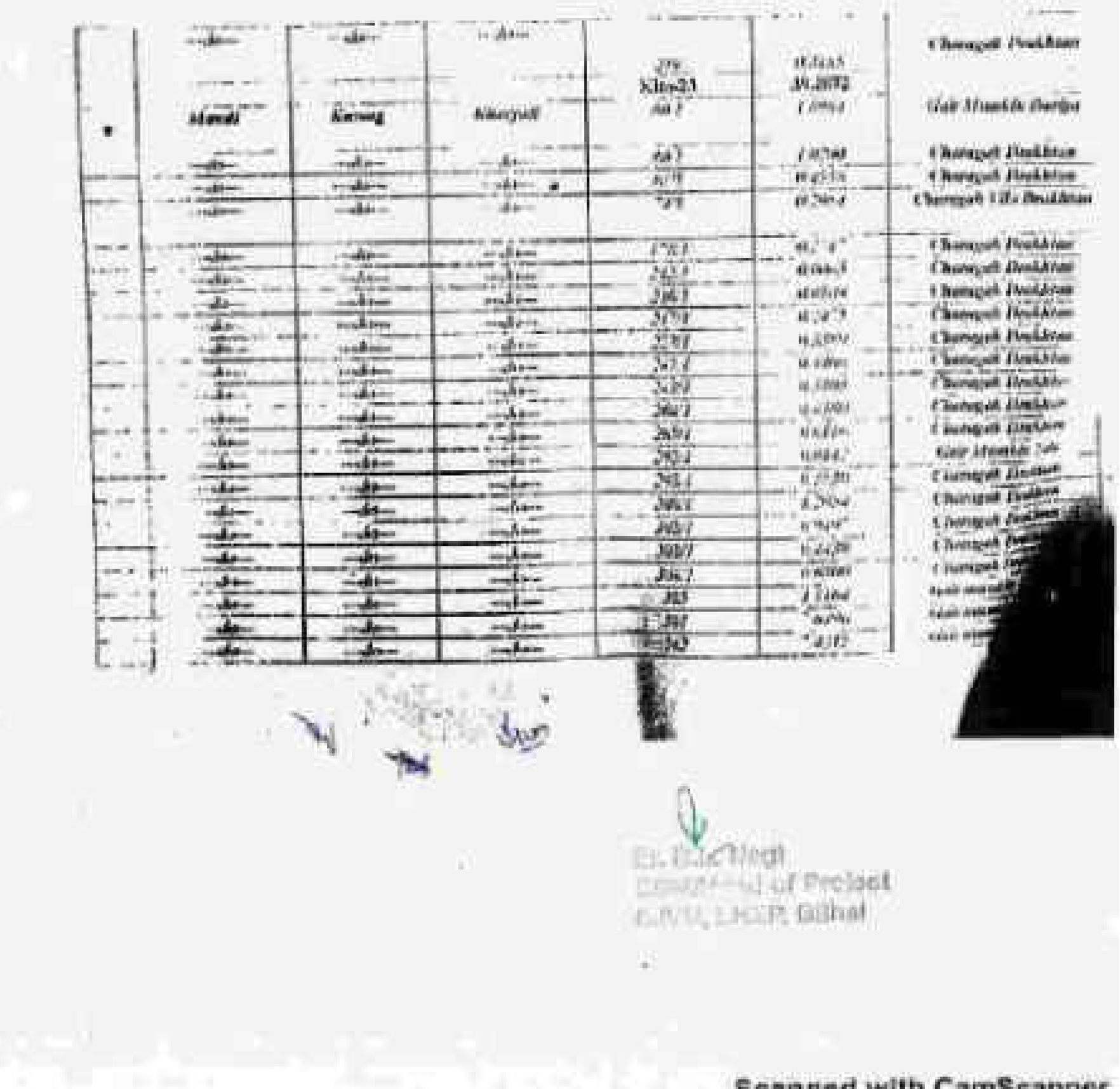
				371	0.2464	Gair Mumkin Darya
				372	10.877	Gair Mumkin Darya
				967	8.8744	Gair Mumkin Darya
				968	0.0396	Gair Mumkin Darya
				493	0.0396	Chanaab Drukhan
				495	0.0004	Gair Mumkin Gaaiin
				489	0.0153	Gair Mumkin Rasta
				175/4987	0.1047	Chanaab Drukhan
				494/1	3.2017	Chanaab Drukhan
				113	0.1238	Gair Mumkin Khad
				1895	0.2484	Chanaab Drukhan
				890/419	0.2145	Chanaab Drukhan
				2282	0.1085	Gair Mumkin Khal
				345	0.0049	Gair Mumkin Nala
				278	0.0057	Gair Mumkin Dang
				211	0.0072	Gair Mum

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File No.[DCOM-I.(NSAD&M)].RQ/21/2015-LR[C (Issues)-I/C Office Manual

148/2018(1)

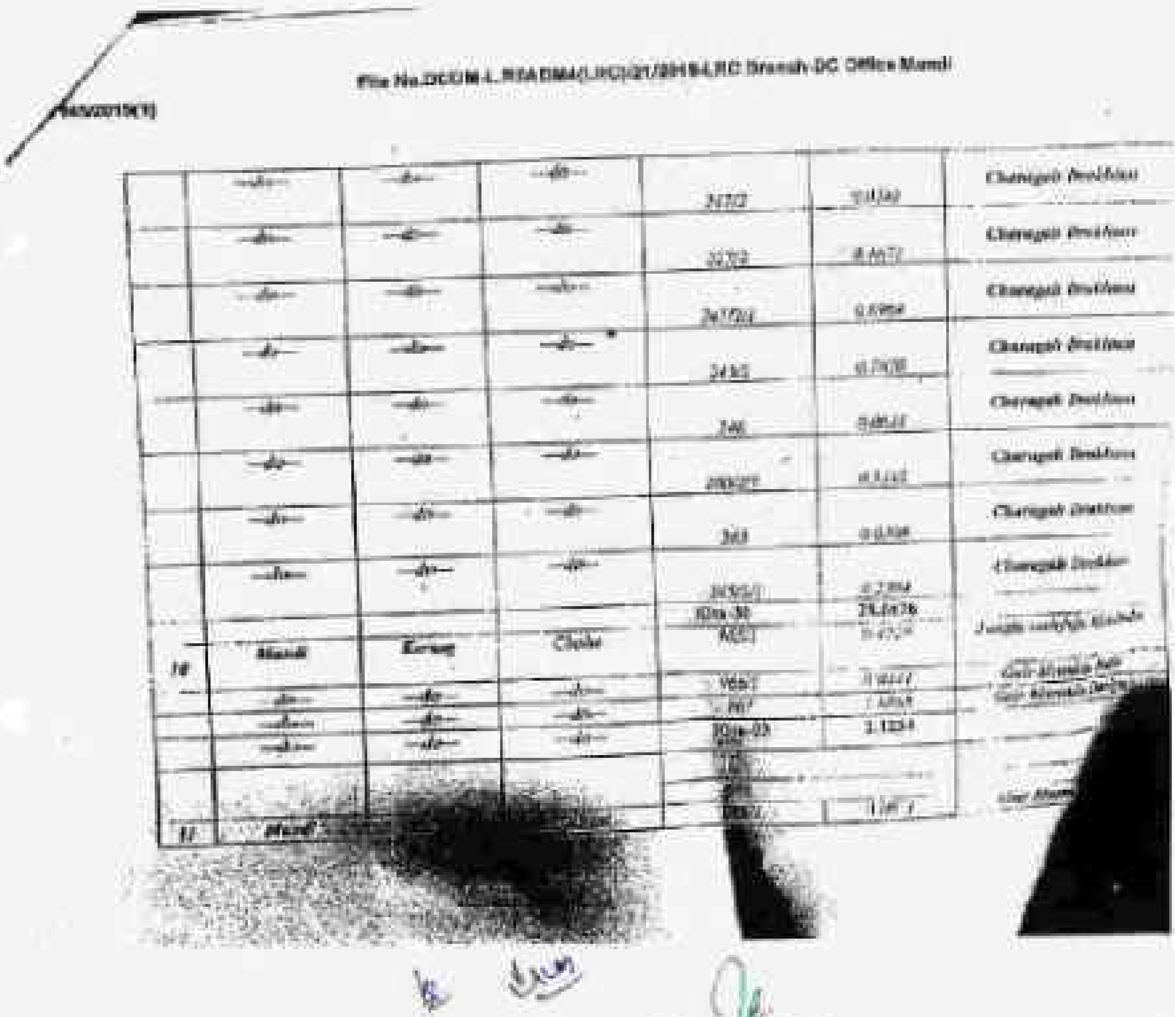


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File No.DC(M.L.R)/ADM(LHC)/27/2018/LRC Branch DC Office Mandi

Date/2019(1)



Dr. R.L. Negi
Controller of Project
BJVN, Lahaul &Spiti

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File No.DC(M-L.II)DADM(CHC)/2019/2-LRC Branch-DC Office Mandi

2019(1)

					Gair Mumkin Durya Chanegah Vila Dadahoo
					Chanegah Vila Dadahoo
					Chanegah Vila Dadahoo

Add Undisputed/Proposed Area for Power Station Channel & Wood Reserve

Net Total in Kanal Marla

It is verified that there is no law (case) available in above stated canals Dhanno Jhuddey Rakh Jakhra Hagan, Kalhar, Khanoori, Panna, Nehi Dhank, Khanjal, Chak-B Tehsil for the said purpose.

District Officer
Mandi Bahauddin Mandi B/P

Dated: 25-10-2019

Distt. No: 45750-51

Copy forwarded to:

1) The Sub Divisional Officer (C) Kuntal, District Mandi B/P for information and necessary action.
2) The Addl. (Dev.) Kanal Dev (B/P, SPWI Ltd., Mandi, Tehsil Phalia, District Gujrat B/P for information and necessary action.

District Officer
Mandi Bahauddin Mandi B/P

Dr. Kuldeep Singh
Engineer-in-Chief
SPWI Ltd., Lahore

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36

[illegible]
[illegible]
[illegible]

[illegible] June 2018

NOC AVAILABILITY OF NON HOSIERY LAND CERTIFICATE

Certified that no suitable alternative Non Hosiery Land is available for the [illegible] Knit Unit (EP) in Dhoraji Taluka Dhoraji District, and the undersigned have [illegible] surveying 10 (ten) Acre hosiery land with Licence to be availed. The detail of Hosiery land is as under :-

Sr. No.	Name of Village	Khasra No.	Area in Acre	Classification
1	Name	Khasra	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
	Khakhra	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]

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		20	9.0143	Chungkot Deukhuri	5th
		765	8.0755	Chungkot Deukhuri	6th
		872	8.3356	Chungkot Deukhuri	7th
		319	8.4281	Chungkot Deukhuri	8th
	Bhirkot	13	8.2228	Chungkot Deukhuri	
		77	7.3567	Chungkot Deukhuri	9th
		971	9.1929	Chungkot Deukhuri	
		513	9.9829	Chungkot Deukhuri	10th
		421	9.9152	Chungkot Deukhuri	
		32	9.8273	Chungkot Deukhuri	
		350	9.8328	Chungkot Deukhuri	
		9	7.4369	Chungkot Deukhuri	
		079/13	9.1109	Chungkot Deukhuri	20th
		776	9.0180	Chungkot Deukhuri	21th
		226	9.9183	Chungkot Deukhuri	22th
		331	9.8765	Chungkot Deukhuri	
		456	9.9367	Chungkot Deukhuri	23th
		456	9.9287	Chungkot Deukhuri	
		832	9.8119	Chungkot Deukhuri	24th
		47	9.9572	Chungkot Deukhuri	25th
		455	9.9267	Chungkot Deukhuri	26th
		903	9.9332	Chungkot Deukhuri	
	Bhirkot	11	9.9958	Chungkot Deukhuri	
		318	9.9287	Chungkot Deukhuri	27th
		23	9.9839	Chungkot Deukhuri	

Er. R... Negi
Head of Project
RSPR, UHCP, Dhikur

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			19	0.1987	Chowgule Industries
			403	4.2328	Chowgule Investments
			477	0.2567	Chowgule Industries
			476	0.2703	Chowgules Pvt. Ltd. Securities
			1433	0.3227	Chowgule Industries
			1877	0.2.81	Chowgule Industries
			8837/1891	0.1928	Chowgule Industries
			8863/1891	0.3932	Chowgule Industries
		Vellalt	3914	0.2438	Chowgule Investments
			3891	0.2.12	Goa Stainless Steel
			1871	0.3772	Chowgule Securities Pvt. Ltd.
			1	0.0981	Chowgule Industries Pvt. Ltd.
			3853	0.3797	Chowgule Industries
			1178	0.1028	Chowgule Industries Pvt. Ltd.
			450	0.4439	Chowgule Industries
			484	0.0463	Chowgule Industries
			4933	0.1861	Chowgule Industries
		Pkgle	1181	0.1401	Chowgule Industries
			0.3.332	0.1304	Chowgule Industries
			0.40.1.7	0.0928	Chowgule Industries
			0.2.37.1	0.2987	Chowgule Investments
			0.2.37.1	0.4.13	Chowgule Industries
			1854	0.1.07	Chowgule Industries
			436	0.0138	Chowgule Industries Pvt. Ltd.
			1	0.0.01	Chowgule Industries Pvt. Ltd.
			4.7	0.1.32	Chowgule Industries Pvt. Ltd.
			4.7	0.1.32	Goa Stainless Steel
		Kudal	47	0.0111	Chowgule Industries Pvt. Ltd.

Er. R. L. Negi
Head of Project
Sterlite Energy Limited

Er. R. L. Negi
Head of Project
Sterlite Energy Limited

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		207	0.0048	Chainage 0.00 Mtrs
		20+1	1.0046	Chainage 1.00 Mtrs
		2+3	0.0091	Ank Marks for GPS
		4+7	0.0070	Chainage 2.00 Mtrs
	Nodal	75	0.0146	Chainage 3.00 Mtrs
		109	0.0219	Ank Marks for GPS
		142	0.0292	Chainage 4.00 Mtrs
				Benchmark
		1073	0.0365	Chainage 5.00 Mtrs
				Benchmark
	Reshma	138	0.0438	GPS Marks for GPS
		3	0.0511	Chainage 6.00 Mtrs
				Benchmark
		1	0.0584	Chainage 7.00 Mtrs
		1+67	0.0657	Chainage 8.00 Mtrs
				Benchmark
		143	0.0803	Chainage 10.00 Mtrs
				Benchmark
		199	0.1095	Chainage 15.00 Mtrs
				Benchmark
		245	0.1278	Chainage 20.00 Mtrs
				Benchmark
		288+186	0.1278	Chainage 25.00 Mtrs
				Benchmark
		288+186	0.1460	Chainage 30.00 Mtrs
				Benchmark
	Pandora	311	0.1533	GPS Marks for GPS
		4	0.1533	Chainage 35.00 Mtrs
		5	0.1606	Chainage 40.00 Mtrs
		5+1+18	0.1679	Chainage 45.00 Mtrs
		5+2+28	0.1752	Chainage 50.00 Mtrs
	Gradana	5+3+38	0.1825	Chainage 55.00 Mtrs
		5+4+48	0.1898	Chainage 60.00 Mtrs
		5+5+58	0.1971	Chainage 65.00 Mtrs
		5+6+68	0.2044	GPS Marks for GPS
	Kangarh Bhangaon	5+7+78	0.2117	Chainage 70.00 Mtrs
		5+8+88	0.2190	Chainage 75.00 Mtrs
	Nagwan	5+9+98	0.2263	Chainage 80.00 Mtrs
		6+0+8	0.2336	Chainage 85.00 Mtrs
		6+1+18	0.2409	GPS Marks for GPS
		6+2+28	0.2482	Chainage 90.00 Mtrs
		6+3+38	0.2555	Chainage 95.00 Mtrs

Er. R. Negi
Head of Project
SJVN, Lalit Bhawan

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			2	1.7516	Changanti Gurudwara
			3	1.4514	Changanti Dera Kaur
			371	3.1107	Changanti Gurudwara
			Total=	408.1992	
		Non Forest Land	778	3.2267	Gair Mumkin Nala
			877	3.2229	Gair Mumkin Bunjar
			880	3.2660	Gair Mumkin Pahar
			918	3.3174	Gair Mumkin Sadak
			9	3.3214	Gair Mumkin Jhabar
			7	3.3326	Gair Mumkin Pathar
			8	3.3339	Gair Mumkin Khandar
			2263	8.3472	Gair Mumkin Kuhl
			2263	8.3478	Gair Mumkin Kuhal
			2309	8.3527	Gair Mumkin Rasta
			428	8.3563	Gair Mumkin Rasta
			931	8.3567	Gair Mumkin Rode
			377	8.3569	Gair Mumkin Rasta
			377	8.3570	Gair Mumkin Rasta
			4627	8.3585	Gair Mumkin Kuhal
			9	3.3526	Gair Mumkin Rasta
			4	3.3539	Gair Mumkin Rasta
			9	8.3491	Gair Mumkin Rasta
			771	8.3592	Gair Mumkin Nala
			8	8.3526	Gair Mumkin Nala
			2	8.3501	Gair Mumkin Nala
			434	8.3493	Gair Mumkin Nala
			1	8.3497	Gair Mumkin Nala
			3	8.3498	Gair Mumkin Nala
			18	8.3503	Gair Mumkin Nala
			382	8.3480	Gair Mumkin Nala
			761	3.3456	Gair Mumkin Nala
			8	3.3436	Gair Mumkin Nala
			1	8.3422	Gair Mumkin Nala
			9	3.3411	Gair Mumkin Nala
			3/8420	3.3406	Gair Mumkin
			2/8420	8.3406	Nala
			1	8.3396	Gair Mumkin Nala
			43	8.3407	Gair Mumkin Nala
			44	8.3407	Gair Mumkin Nala
			2	8.3402	Gair Mumkin Nala
			Total=	28.3496	
		Inamdari Land	17	8.3423	Inamdari Land

Er. R. [illegible]
Revenue Officer
Circle Lehri Sirhali

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			[illegible]	[illegible]	[illegible]
			[illegible]	[illegible]	[illegible]
			[illegible]	[illegible]	[illegible]

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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 Bila Drakhtan
			50	00-14-80	Charagah Bila Drakhtan
			Kita-2	00-33-41	
		Khaira	360/1/1	00-32-79	Charagah Bila Drakhtan
			Kita-1	00-32-79	
		Grand Total	Kita-3	00-66-20	

Deputy Commissioner,
Shimla.

Endst. No. As above. 953 Dated: 26/10/2019.

Forwarded to the AGM (Env.), Sunni Dam HEP, SJVN Ltd, Rattal, Tehsil Kumarsain, Shimla(HP) for further necessary action.

Deputy Commissioner,
Shimla

Er. P.L. Thagi
Addl. Genl. Manager (Civil)
SJVN Ltd. (Sunni Dam HEP)

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Full title of the project: Sainj 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 fulfil 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 Khoira has been considered as the most viable proposal for Sainj 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 localized as per the geological conditions of the area and cannot be shifted. Therefore, Dam, Diversion Tunnel and underground power house have to be fixed as per the topography and geology of the area. But still where ever possible various project components like dumping areas, residential colony and offices have been proposed to be located in private land.

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

There is no scope for avoidance of Govt./forest land and diversion of total 397.8863 ha of forest land for the Project (*159.3484 ha in Shimla Forest Division (138.6684 ha open surface area) Kandha*

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

underground/Notified area : 57.1859 ha. in Kangpoki Forest Division : 301.1530 ha (197.9575ha open surface area+3.1945ha underground/Notified area in Kamjong Forest Division) of Construction is inevitable and cannot be escaped.

Date 26/12/2024

Place Bishnupur

For & on behalf of SJVN Ltd

Authorised Signatory
(Environment)
CGM/Head of Project
SJVN, UHEP, Bithal

Divisional Forest Officer
Kamjong Forest Division, Kamjong

Countersigned by:

Divisional Forest Officer
Bishnupur Forest Division (H.Q.)
Office Seal

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ALTERNATIVE STUDIES CARRIED OUT FOR VARIOUS MAJOR COMPONENTS

The following alternative studies were carried out in respect of the selection of Project layout:

i) Alternative-1: Dam and surface type 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 soils also and sufficient space will be available after removal of the soils material. But the study of catchment of soilas indicates that there will be potential danger of material flowing in the soils and ruining to the power house site. The power house will always be vulnerable from stability of slopes view point. Further, the channel contract is lying on the downstream of dam axis with upstream dips which interpreted and proposed dam axis is likely to be very close to entrance foundation of dam. *Therefore Alternative-1 option is rejected.*

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

An option of dam +10km upstream of Alternative-1 dam site with underground power house has been studied. The dam and power house are likely to be located in quartzite and the same is adopted for further study.

Er. K. L. Negi
Head of Project
SJVNL, H.P. Shimla

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 an unavoidable and lowest minimum i.e. diversion of total **397.8863 ha** of forest land for the Project *(159.1484 ha in Shimla Forest Division (158.6684 ha open surface area+0.4800ha underground/Subsoil area) + 37.3859 ha. in Kotgarh Forest Division + 201.1520 ha (197.9573ha open surface area+3.1947ha underground/Subsoil area) in Kasauj Forest Division)* for the purpose of establishment of Sunni Dam Hydroelectric Project, which is proposed for diversion.

Date 2/12/2020

Place Bilaspur

For & on behalf of SJVN Ltd

Authorised Signatory
(Er. R.L. Negi)
DGM/Head of Project
SJVN, LHEP, Bilthal

District Forest Officer
Kasauj

Countersigned by

District Forest Officer
Kasauj Forest Div. Rohru

Office Seal

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 Kewrik, PO Shamshilla, 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 Shimla as per the prevailing wage rates at the time of undertaking the plantation activities.

Date: 15/1/19

Place: Shimla

For Sunni Dam HEP, SJVN Ltd.

Authorised Signatory
(Name & Designation)
Head of Project
SJVN Ltd. Sunni

Countersigned by:

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

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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 397.5863 ha of forest land for the Project (159.3484 ha in Shimla Forest Division (158.8684 ha upon surface area+0.4800ha underground/National area) + 37.1859 ha. in Kotgarh Forest Division + 201.1520 ha (197.9375ha upon surface area+3.2145ha underground/National area in Karsog Forest Division) for the purpose of establishment of Sunni Dam Hydroelectric Project, at Kheira and I hereby undertake to pay cost of NPV, as and when demanded by the forest department or any authority.

Date: 31/3/2016

Place: Shimla

For & on behalf of SJVN Ltd

Authorized Signatory
(Er. R.L. Negi)
GM/Head of Project
SJVN, LHEP, Kothal

Countersigned by:-

Divisional Forest Officer,
Divisional Forest Officer
Karsog Forest Div. Karsog
Office Seal

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

File No :- FP/HP/MVD/31015/2017

BILL FOR NPV

Calculation of Net Present Value of Forest Land to be diverted under FCA, 1980 for construction of Sunni Dam HEP (382MW) under Karsog Forest Division District Mandi, Himachal Pradesh.

1) Open forest area to be diverted = 197.2404 ha.
Rate of vegetation = Open forest.
Rate applicable class VII of NPV = 6,57,000/- per hac.
NPV chargeable for 197.2404 hac. = 12,95,86,943/- only

2) Underground/ Notional area for Power House Tunnel = 3.1985 ha.
Rate of vegetation = 50% of open forest.
Rate applicable class VII of NPV = 6,57,000/2 = 3,28,500/- per hac.
NPV chargeable for underground 3.1985 hac. = 10,49,393/- only

3) Basi area involved for diversion of Karsog Forest Division = 0.3171 ha.
Density of vegetation = Very Dense Forest
Rate applicable class VII of NPV = 9,39,000/-
NPV chargeable for 0.3171 hac. of Basi area = 6,73,357/- only

Total cost of NPV open forest+ underground/ notional area = 200.4349 ha. + Basi area 0.3171ha. = 13,13,09,693/- only

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

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Full title of the project: Sunni Dam dro-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 Newli, 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 (158.6584 ha open surface area+0.6900ha underground/National area) + 37.3859 ha in Kotgarh Forest Division + 201.1520 ha (197.9173ha open surface area+3.1943ha underground/National area) in Kotgarh Forest Division) for the purpose of establishment of Sunni Dam Hydroelectric Project. If there 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: 21/3/2016

Place: Bithal

For & on behalf of SJVN Ltd

Authorised Signatory
(P. R. C. Negi)
(GM/Head of Project)
SJVN, LHEP, Bithal

Countersigned by:-

Divisional Forest Officer
Divisional Range Officer
Kotgarh Forest Division
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 ISO 9001:2008 Certified Project)

Undertaking

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

Date: 22.09.2020

Place: Bithal

(R. L. Negi)

Head of Project

Sunni Dam HEP, Bithal

Distt. Shimla (H.P.)

General abstract of trees coming in the alignment for construction of Sunni Dam Project in respect of Rampur Forest Division, HP.

Sr. No.	Name of land	Species Name (Local)	Botanical name	Girth in cm. (mtr)										Total
				0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	More than 90	
1	D-136 Kaghar	Kanak	Sterculia urens	107	195	39	42	22	1	0	0	0	0	406
	D-133 Rawal	Volume		16.98	77.02	28.6	30.65	13.6	0.77	0	0	0	0	171.11
	D-134 Kilogan	Rate per m3	8736	148395	1822787	2776488	3581159	1825356	127764	0	0	0	0	10801227
2	D 135 Pulai	Diamond	Ehretia laevis	145	101	15	0	0	0	0	0	0	0	261
	D 136 Partig	Volume		20.80	58.54	3.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.83
	D 214 Jhingni	Rate per m3	8736	297400	1837626	338591	0	0	0	0	0	0	0	2473617
3	D-215 Garul	Kangu	Lannea coromandelica	44	40	5	0	0	0	0	0	0	0	89
	D-216 Rawal	Volume		6.16	8.40	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.86
		Rate per m3	8736	38517	838080	121644	0	0	0	0	0	0	0	1342254
4		Pachlay	Anogeissus acuminata	514	2703	588	215	53	7	2	1	0	1	4466
		Volume		71.96	378.14	256.88	120.57	44.68	10.64	4.32	3.40	0.00	3.40	935.59
		Rate per m3	8736	499859	3677790	2498415	1354826	436500	103863	40950	33660	0	33660	9227363
5		Khair	Acacia catechu	26	146	32	2	2	0	0	0	0	0	212
		Volume		3.64	20.72	3.62	1.61	2.72	0.00	0.00	0.00	0.00	0.00	30.31
		Rate per m3	8736	43536	248448	112720	17472	26736	0	0	0	0	0	429912
6		Kalpar	Artocarpus lacucha	79	93	39	16	3	1	1	0	0	0	232
		Volume		10.50	13.72	3.84	2.16	0.80	0.53	0.87	0.00	0.00	0.00	34.40
		Rate per m3	8736	127512	166656	37632	18432	6912	4704	7632	0	0	0	369480
7		Bhirak	Gelonium lanceolatum	184	126	38	1	0	0	0	0	0	0	379
		Volume		20.24	16.80	2.66	0.21	0.00	0.00	0.00	0.00	0.00	0.00	40.21
		Rate per m3	8736	176806	165377	25286	2100	0	0	0	0	0	0	369569
8		Amaltash	Cassia fistula	230	420	39	10	1	0	0	0	0	0	700
		Volume		41.00	55.00	15.34	7.50	3.36	0.00	0.00	3.00	0.00	0.00	124.80
		Rate per m3	8736	400680	572880	148637	71800	32737	0	0	0	0	0	1226834
9		Semecal	Holoptelea integrifolia	230	288	65	2	0	0	0	0	0	0	585
		Volume		38.20	63.80	16.50	3.63	0.00	0.00	0.00	3.00	0.00	0.00	125.13
		Rate per m3	8736	333779	423888	144144	35360	0	0	0	0	0	0	1093155
10		Rohi	Saiia alba	78	477	357	210	78	35	3	3	2	1	1244
		Volume		10.56	86.78	91.52	63.30	104.08	50.20	10.50	13.20	6.80	30.60	567.65
		Rate per m3	8736	92261	758208	799334	553080	909581	438720	91728	115315	59408	267456	4960121
11		Kaphal	Terminalia arjuna	46	18	2	1	0	0	0	0	0	0	67
		Volume		6.03	2.66	0.53	0.21	0.00	0.00	0.00	0.00	0.00	0.00	9.43
		Rate per m3	8736	52661	23231	4628	1834	0	0	0	0	0	0	82354

Contd. P/2

12		Taxinar	Bauhinia rengata	303	49	9	0	0	0	0	0	0	0	351
		Volume		14.28	5.80	4.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.42
		Rate per m3	9725	138503	34466	22239	0	0	0	0	0	0	0	195208
13		Index	Syzygium cumuligerum	87	107	14	0	0	0	0	0	0	0	214
		Volume		12.18	14.96	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.15
		Rate per m3	9725	118403	88895	8160	0	0	0	0	0	0	0	265458
14		Index	Phyllanthus emblica	133	116	22	0	0	0	0	0	0	0	271
		Volume		18.63	16.10	5.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.45
		Rate per m3	9725	181168	95634	56832	0	0	0	0	0	0	0	393634
15		Shisham	Dalbergia latifolia	133	134	23	0	0	0	0	0	0	0	290
		Volume		18.63	18.76	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.60
		Rate per m3	40454	753786	758937	130277	0	0	0	0	0	0	0	1643000
16		Sissoo	Dalbergia sissoo	107	71	13	0	0	0	0	0	0	0	191
		Volume		14.98	9.94	2.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.16
		Rate per m3	9725	145695	96676	21816	0	0	0	0	0	0	0	264187
17		Teak	Tectona grandis	0	10	3	0	0	0	0	0	0	0	13
		Volume		0.00	1.40	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10
		Rate per m3	9725	0	13623	7560	0	0	0	0	0	0	0	21183
18		Bael	Aegle marmelos	5	4	0	0	0	0	0	0	0	0	9
		Volume		0.70	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26
		Rate per m3	9725	6808	5447	0	0	0	0	0	0	0	0	12255
19		Babool	Acacia nilotica	37	28	33	16	10	0	0	0	0	0	124
		Volume		5.18	3.92	11.70	28.44	33.40	8.82	8.33	3.92	0.00	0.00	103.72
		Rate per m3	4854	25144	19028	56804	138062	162140	42836	40436	19028	0	0	503484
20		Ber	Zizyphus mauritiana	65	50	5	0	0	0	0	0	0	0	120
		Volume		9.10	7.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.50
		Rate per m3	9725	88498	68075	13620	0	0	0	0	0	0	0	170193
21		Neem	Azadirachta indica	14	7	1	0	0	0	0	0	0	0	22
		Volume		1.96	0.98	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22
		Rate per m3	4854	9508	4754	1359	0	0	0	0	0	0	0	15621
22		Dhak	Butea monosperma	15	14	2	0	0	0	0	0	0	0	31
		Volume		2.10	1.96	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.34
		Rate per m3	9725	20407	19061	5450	0	0	0	0	0	0	0	42918
23		Tropical	Eucalyptus camaldulensis	13	11	1	1	0	0	0	0	0	0	26
		Volume		1.82	1.54	0.28	0.70	0.00	0.00	0.00	0.00	0.00	0.00	4.34
		Rate per m3	9725	17691	14978	2723	7560	0	0	0	0	0	0	42952
24		Unknown	Unknown species	32	22	11	2	0	0	0	0	0	0	67
		Volume		4.48	3.08	1.54	1.40	0.00	0.00	0.00	0.00	0.00	0.00	10.50
		Rate per m3	9725	43572	29953	14993	14000	0	0	0	0	0	0	102518

Contd. P/3

25		Dyo	Rhus natalensis	0	2	0	0	0	0	0	0	0	0	2
		Volume		0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28
		Rate per m3	9726	0	3721	0	0	0	0	0	0	0	0	3721
26		Gembat	Bambos Cafra	5	4	3	0	0	2	0	2	0	0	14
		Volume		0.70	0.54	0.36	0.00	0.00	0.04	0.00	0.00	0.00	0.00	1.70
		Rate per m3	9726	6859	5487	7680	0	0	20547	0	0	0	0	40573
27		Khumb	Combretum zeyheri	0	1	0	0	0	0	0	0	0	0	1
		Volume		0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
		Rate per m3	9726	0	1367	0	0	0	0	0	0	0	0	1367
28		Unyan	Mimusops zeyheri	8	12	1	0	0	0	0	0	0	0	21
		Volume		1.12	1.68	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.06
		Rate per m3	9726	10981	16348	2539	0	0	0	0	0	0	0	29742
29		Bill	Aegle marmelos	10	33	10	0	0	0	76	0	0	0	53
		Volume		1.40	4.54	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.74
		Rate per m3	9726	76860	42244	21398	0	0	0	0	0	0	0	140502
30		Khanda	Terminalia	30	0	0	0	0	0	0	0	0	0	30
		Volume		12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.60
		Rate per m3	9726	182948	0	0	0	0	0	0	0	0	0	182948
31		Sura	Vitex doniana	0	1	0	0	0	0	0	0	0	0	1
		Volume		0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
		Rate per m3	9726	0	1362	0	0	0	0	0	0	0	0	1362
32		Tekla	Rhus natalensis	7	3	3	1	0	0	1	0	0	0	7
		Volume		0.98	0.42	0.78	0.75	0.00	0.00	0.00	0.00	0.00	0.00	2.73
		Rate per m3	9726	0	4085	7586	7290	0	0	0	0	0	0	26871
33		Ximo	Ziziphus mucronata	0	1	0	0	0	0	0	0	0	0	1
		Volume		0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28
		Rate per m3	9726	0	2723	0	0	0	0	0	0	0	0	2723
34		Shiro	Terminalia brownii	0	1	0	0	0	0	0	0	0	0	1
		Volume		0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
		Rate per m3	9726	0	1362	0	0	0	0	0	0	0	0	1362
35		Parsha	Grewia villosa	6	17	3	0	0	0	0	0	0	0	27
		Volume		0.60	2.53	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.77
		Rate per m3	9726	5844	24634	2339	0	0	0	0	0	0	0	36818
36		Umwimi	Lecaniodiscus fraxinifolius	0	24	3	0	0	0	0	0	0	0	27
		Volume		0.00	3.36	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.14
		Rate per m3	9726	0	32679	2336	0	0	0	0	0	0	0	40294
37		Tulula	Acacia nilotica	5	5	0	0	0	0	0	0	0	0	10
		Volume		0.70	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40
		Rate per m3	9726	6836	6836	0	0	0	0	0	0	0	0	13672

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44		Felonk	Bombacopsis	17	23	8	6	0	2	0	0	0	0	0	33
		Volume		3.68	3.08	1.04	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.48
		Rate per m3	5729	18990	23956	10111	0	0	0	0	0	0	0	0	52411
39		Willow	Salix	0	3	0	0	0	1	0	0	0	0	0	4
		Volume		0.00	0.42	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.54
		Rate per m3	9721	0	9883	0	0	0	14784	0	0	0	0	0	24664
40		Kokrio	Bombax ceiba/Ceiba pen	0	1	3	0	0	0	0	0	0	0	0	4
		Volume		0.00	0.14	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91
		Rate per m3	9721	0	1867	7586	0	0	0	0	0	0	0	0	9548
43		Sumosa	Dendrocalamus strictus	121	0	0	0	0	0	0	0	0	0	0	121
		Rate per piece	9.75	31179	0	0	0	0	0	0	0	0	0	0	31179
42		Other Broad leave		34	253	43	16	4	4	0	0	0	0	2	332
		Volume		17.76	39.42	10.87	11.68	5.48	1.04	0.00	0.00	0.00	0.00	6.80	106
		Rate per m3	9736	35624	38489	10628	11380	53509	29967	0	0	0	0	58137	339149
Total No. of trees:				1171	1503	1874	372	452	96	94	5	2	12	1121	7702
Total Volume:				195.00	786.74	487.76	417.51	335.36	85.12	33.44	17.00	6.80	40.08	2481.56	
Total Cost of Trees				1214190	1061596	5848372	4862337	2559365	828041	274828	146744	58157	396871	25081721	

Dr. Conservator of Forests,
Karsog Forest Division,HP.

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PAHLGO BEAT

GENERAL ABSTRACT

Sr. No	Species		Sapling	Class V (Vol-M³)	IV (Vol-M³)	III (Vol-M³)	II-A (Vol-M³)	II-B (Vol-M³)	I-A (Vol-M³)	Total (Vol-M³)
1	Neem	Nos.	94	185	26	28	6	0	0	127
		Vol.	0	15.82	9.59	20.44	5.16	0	0	52.21
2	Chamrod	Nos.	151	80	12	0	0	0	0	92
		Vol.	0	11.3	3.12	0	0	0	0	14.32
3	Kangu	Nos.	21	18	1	0	0	0	0	19
		Vol.	0	2.52	3.25	0	0	0	0	2.78
4	Bedwa	Nos.	337	1215	298	103	21	0	0	1237
		Vol.	0	170.1	102.18	78.19	28.85	0	0	377.33
5	Bhaur	Nos.	89	104	21	0	0	0	0	125
		Vol.	0	14.56	5.46	0	0	0	0	20.02
6	Kasar	Nos.	28	83	20	0	0	1	0	101
		Vol.	0	9.1	5.2	9.49	2.76	1.52	0	28.03
7	Bolinja	Nos.	96	27	7	0	0	0	0	40
		Vol.	0	3.78	1.82	4.38	0	0	0	9.98
8	Khair	Nos.	331	40	2	1	0	0	0	43
		Vol.	0	5.6	0.52	0.73	0	0	0	6.85
9	Khadia	Nos.	56	163	9	1	0	1	0	174
		Vol.	0	22.82	2.34	0.73	0	1.32	0	27.41
10	Amaltash	Nos.	214	330	38	7	1	0	0	376
		Vol.	0	46.2	9.88	5.11	1.36	0	0	62.55
11	Karanjal	Nos.	120	112	10	0	0	0	0	122
		Vol.	0	15.68	2.6	0	0	0	0	18.28
12	Bel	Nos.	45	276	148	178	61	28	2	693
		Vol.	0	38.64	38.48	85.14	59.04	27.36	4.18	254.84
13	Shelmb	Nos.	32	3	1	0	0	0	0	4
		Vol.	0	0.42	0.26	0.73	0	0	0	1.41
14	Kadwa	Nos.	91	21	1	0	0	0	0	22
		Vol.	0	2.94	0.26	0	0	0	0	3.2
15	Lendia	Nos.	87	92	12	0	0	0	0	110
		Vol.	0	12.88	3.42	0.78	0	0	0	20.38
16	Ambila	Nos.	24	66	3	0	0	0	0	69
		Vol.	0	9.24	0.78	0	0	0	0	10.02
17	Shishum	Nos.	805	88	5	3	1	0	0	99
		Vol.	0	12.32	1.3	3.65	1.28	0	0	18.63
18	Siwal	Nos.	45	13	0	0	0	0	0	13
		Vol.	0	1.82	0	0	0	0	0	1.82
19	Then	Nos.	0	17	3	0	0	0	0	18
		Vol.	0	1.82	0.26	0.48	0	0	0	4.56
20	Pipal	Nos.	5	2	0	0	0	0	0	2
		Vol.	0	0.28	0	0	0	0	0	0.28
21	Jamun	Nos.	53	47	35	18	11	3	3	117
		Vol.	0	6.58	9.1	13.14	18.96	4.56	0.27	54.61
22	Ber	Nos.	19	13	0	0	0	0	0	13
		Vol.	0	1.82	0	0	0	0	0	1.82
23	Tiwas	Nos.	14	2	0	0	0	0	0	2
		Vol.	0	0.28	0	0	0	0	0	0.28
24	Chilli	Nos.	15	14	2	0	0	0	0	16
		Vol.	0	1.96	0.52	0	0	0	0	2.48
25	Tremboi	Nos.	13	0	1	0	0	0	0	1
		Vol.	0	0.56	0.26	0	0	0	0	0.82
26	Anjaun	Nos.	17	6	6	2	4	1	0	19
		Vol.	0	0.84	1.56	1.46	5.44	1.52	0	10.82

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Sr. No	Species		Sampling	Class						Total (Vol./ha)
				V (Vol./ha)	IV (Vol./ha)	III (Vol./ha)	III-A (Vol./ha)	II-B (Vol./ha)	I-A (Vol./ha)	
27	Neem	No.	10	3		1				9
	Vol.			1.120		0.730				1.550
28	Chil	No.		1						1
		Vol.		3.030						0.030
29	Imbibal	No.	5	4						4
		Vol.		2.560						0.560
30	Khavdi	No.		1						1
		Vol.		0.140						0.140
31	Dhavda	No.	5	19						19
		Vol.		1.400						1.400
32	Mymosa	No.		2						2
		Vol.		0.280						0.280
33	Babul	No.		21	1					22
		Vol.		2.940	1.960					4.900
34	Khirnhi	No.	50							0
		Vol.								0.000
35	Bavai	No.		1						1
		Vol.		0.140						0.140
36	Pangra	No.		1						1
		Vol.		0.140						0.140
37	Behda	No.		2						2
		Vol.		0.280						0.280
38	Charla	No.		1	1					2
		Vol.		0.140	0.280					0.420
39	Dhora	No.		1						1
		Vol.		0.140						0.140
G. Total		No.	1500	2950	720	312	90	24	3	4189
		Vol.		417.110	202.280	327.760	122.460	10.490	10.450	1016.480

Range Forest Officer
Kalol Forest Range
Dist. Panch Mahal (E.F.)

Dist. A.C.F.

General (Area) set up Forest Block (Section)

Enumeration list of green standing trees coming in the compartment of S.D.O Forest Rann (M.P.

Sr. No	Species		Sapling	Class						Total (Vol.M³)
				V (>60cm)	IV (60-50)	III (50-35)	II-A (35-20)	II-B (20-10)	I-A (10-0)	
1	Saj	No.	45	6	5	8	2			20
		Vol.		1.260	1.836	2.920	2.720			8.936
2	Chironji	No.	30	11	3					14
		Vol.		1.560	0.780					2.340
3	Kosam	No.	16	3	1					4
		Vol.		0.420	0.260					0.680
4	Dhaura	No.	129	191	60	3	2			256
		Vol.		15.001	17.160	2.340	2.520			48.456
5	Dhak	No.	8	8	1					9
		Vol.		1.120	0.260					1.380
6	Karai	No.	13	26	10	9	1			45
		Vol.		3.380	2.600	2.340	0.520			13.260
7	Bahera	No.	51	9	6	3				18
		Vol.		1.260	1.560	0.780				3.600
8	Khirni	No.	38	8						8
		Vol.		1.040						1.040
9	Kharia	No.	10	4	2	4		1		11
		Vol.		0.560	0.520	0.780		0.520		2.380
10	Aonla	No.	85	33	5	1				39
		Vol.		4.620	1.300	0.260				6.180
11	Kardai	No.	55	81	8					89
		Vol.		8.340	2.080					10.420
12	Dhai	No.	55	58	34	38	10	3		133
		Vol.		8.120	8.840	17.420	13.000	2.600		50.080
13	Mowai	No.	30	3	1					4
		Vol.		0.180	0.260					0.440
14	Kusum	No.	22	14	1					15
		Vol.		1.820	0.260					2.080
15	Lasora	No.	44	27	5	3				35
		Vol.		2.940	0.780	0.780				4.500
16	Amla	No.	39	5						5
		Vol.		0.700						0.700
17	Bhau	No.		6		1				7
		Vol.		0.600		0.260				0.860
18	Semal	No.	30	4						4
		Vol.		0.560						0.560
19	Pilkhi	No.		5						5
		Vol.		0.700						0.700
20	Jamun	No.	43	14	10	7	4	1		36
		Vol.		1.960	2.600	1.820	1.040	0.520		7.940
21	Khirkhan	No.	90	4						4
		Vol.		0.560						0.560
22	Neemb	No.	13	4	1					5
		Vol.		0.560	0.260					0.820
23	Chola	No.		3	1					4
		Vol.		0.420	0.260					0.680
24	Anjan	No.		8	5	1	4	1		19
		Vol.		1.120	1.300	0.260	0.520	0.520		3.720
25	Semla	No.	16	2		1				3
		Vol.		0.420		0.260				0.680
26	Dhauk	No.		2						2
		Vol.		0.280						0.280
27	Bili	No.		7						7
		Vol.		0.980						0.980

Range Forest Officer
Karanja Forest Range

Sl. No	Species		Sapplings	Trees						Total (Vol/ha^3)
				V (>4.6 m^3)	IV (4.6-3.6 m^3)	III (3.6-2.6 m^3)	II-A (2.6-1.6 m^3)	II-B (1.6-0.6 m^3)	I-A (0.6-0.3 m^3)	
28	Dudhi	No/ha	5	1						1
		Vol/ha		0.240						0.240
29	Jhau	No/ha		1						1
		Vol/ha		0.145						0.145
30	Bair	No/ha	13							0
		Vol/ha								0.000
31	Tiwir	No/ha	6							0
		Vol/ha								0.000
G. Total		No/ha	818	452	169	63	24	8	3	719
		Vol/ha		43.580	42.380	40.230	32.640	22.960	8.000	189.730

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General Abstract of Forest D-121 (Part-II)

Enumeration list of trees standing trees marking in the regulation of KNN forest Dem IRP.

Sr. No.	Species		Sapling	Class V (Girth 30")	IV (Girth 30"-60")	III (Girth 60"-90")	II-A (Girth 90"-120")	II-B (Girth 120"-150")	I-A (Girth 150"-180")	Total (Vol.-M³)
1	Semal	Nos.	14	2	4	1				7
		Vol.		0.910	1.240	0.330				2.480
2	Arjun	Nos.	13			1				1
		Vol.				0.330				0.330
3	Lagra	Nos.	8	25	4					29
		Vol.		3.505	1.240					4.745
4	Ajanbi	Nos.	14		1					1
		Vol.			0.310					0.310
5	Anjanbia	Nos.	44	10						10
		Vol.		2.540						2.540
6	Bael	Nos.		10	5	9	5			29
		Vol.		2.145	1.550	4.570	5.048			13.313
7	Khair	Nos.	9	7	4					11
		Vol.		0.980	1.240					2.220
8	Palash	Nos.	99	114	53	16	7			177
		Vol.		15.960	15.763	7.381	2.776			39.240
9	Khurfa	Nos.	25	9						9
		Vol.		1.260						1.260
10	Chamrola	Nos.	37							0
		Vol.								0.000
11	Shisham	Nos.	83	2	2					4
		Vol.		0.280	0.620					0.900
12	Pipal	Nos.		1						1
		Vol.		0.140						0.140
13	Kalsi	Nos.		10						11
		Vol.		1.400	0.250					1.650
14	Tatla	Nos.	8	1						1
		Vol.		0.140						0.140
15	Dhak	Nos.	9	1						1
		Vol.		0.140						0.140
16	Mahua	Nos.		5	8	2				15
		Vol.		0.700	2.940	0.140				4.340
17	Chilla	Nos.	9	1						1
		Vol.		0.140						0.140
18	Kachnal	Nos.	57	3						3
		Vol.		0.420						0.420
19	Jhingan	Nos.		1	1					2
		Vol.		0.140	0.260					0.400
20	Mainsar	Nos.		1						1
		Vol.		0.140						0.140
21	Ber	Nos.		1						1
		Vol.		0.140						0.140
22	Siswal	Nos.		3						3
		Vol.		0.420						0.420
23	Kanju	Nos.	9	1						1
		Vol.		0.140						0.140
24	Ghirai	Nos.	49							0
		Vol.								0.000
25	Bahda	Nos.	19							0
		Vol.								0.000
G. Total		Nos.	506	285	88	41	7	0	0	555
		Vol.		38.600	20.808	14.790	8.528	0.000	0.000	78.618 M³

Range Forest Officer
Kanjog Forest Range
(Distt. Mandi (H.P.))

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General Abstract of Forest B-134 (Megoi)

Enumeration list of green standing trees occuring in the compartment of S.B.F.W Scout Base MEP.

Sl. No	Species		Sapling	Class V (>45.96")	IV (36-44")	III (28-34")	III-A (24-27")	III-B (20-23")	I-A (>61.00")	Total (Vol-ft³)
1	Pavlkn ✓	No.	78	766	250	32	12			1,055
		Vol.		111,440	65,825	59,800	27,128			239,420
2	Charia ✓	No.	9	148	7					155
		Vol.		20,720	1,820					22,540
3	Bail ✓	No.	8	154	91	78	27	8	2	361
		Vol.		21,560	23,920	20,540	16,720	12,160	4,180	135,480
4	Chil ✓	No.		1						1
		Vol.		8,050						8,050
5	Chamrola ✓	No.	20	369	9					40
		Vol.		8,400	2,340					10,740
6	Garuga ✓	No.	16	23	13	10	5	3	3	57
		Vol.		5,980	3,380	2,500	1,105	1,040	1,220	15,450
7	Semul ✓	No.	29	91	28	23	4			146
		Vol.		12,740	5,460	4,830	1,840			24,870
8	Asseshi ✓	No.	41	324	30	8	1			373
		Vol.		29,950	7,800	2,760	1,380			41,940
9	Khair ✓	No.	6	82	15					97
		Vol.		11,480	3,900					15,380
10	Sidish ✓	No.	47	50	2	4				56
		Vol.		6,300	520	1,920				8,740
11	Elish ✓	No.		10	2	3				15
		Vol.		1,400	520	1,720				3,640
12	Gulsra ✓	No.		8		2				8
		Vol.		1,120		1,460				2,580
13	Lichi ✓	No.	5	45	6	2				53
		Vol.		6,050	1,560	1,460				9,080
14	Ashida ✓	No.	21	63	2					65
		Vol.		8,540	520					9,060
15	Mahagh ✓	No.		1						1
		Vol.		140						140
16	Kanchal ✓	No.	30	41	2					43
		Vol.		5,740	520					6,260
17	Jiyal ✓	No.	16	9						9
		Vol.		1,260						1,260
18	Sevkal ✓	No.		5						5
		Vol.		700						700
19	Shishoo ✓	No.	21	10						10
		Vol.		1,400						1,400
20	Jhau ✓	No.	6	8						8
		Vol.		1,120						1,120
21	Kalsa ✓	No.	1	25	9	4		1		39
		Vol.		5,000	2,340	1,040		1,820		10,200
22	Pipal ✓	No.	1							0
		Vol.								0
23	Simga ✓	No.	9	84						84
		Vol.		7,980						7,980
24	Arjun ✓	No.		1						1
		Vol.		140						140
25	Kachnar ✓	No.	16	4						4
		Vol.		560						560
26	Khoi ✓	No.	2	17	3					20
		Vol.		2,380	780					3,160
27	Khasla ✓	No.		1						1
		Vol.		140						140

08	Siroli	Nos.		2						2
		Vol.		0.250						0.202
09	Dorok	Nos.	1	0						0
		Vol.		0.130						0.140
10	Ngeno	Nos.		3						2
		Vol.		0.285						0.200
11	Kiwalu	Nos.	90							0
		Vol.								0.000
12	Tuiti	Nos.		1						1
		Vol.		0.147						0.186
13	Hill	Nos.		18	6					20
		Vol.		1.260	1.560					3.320
G. Total		Nos.	474	188.1	868	287	55	11	5	2648
		Vol.		200.490	121.680	151.130	24.500	16.720	10.450	625.350 m^3

Range Forest Officer
Kajiado Forest Range

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General Abstract of Forest Block (Padao)

Enumeration list of trees standing from sapling to the completion of 30th Year Date [illegible]

Sr. No	Species		Sapling	Class						Total (Vol. M³)
				V (cm to 9")	IV (cm to 19")	III (cm to 29")	II-A (cm to 49")	II-B (cm to 59")	I-A (cm to 69")	
1	Padao	Nos.	30	24	24	4				52
		Vol.		13.160	6.230	2.920				22.320
2	Saun	Nos.	17	2	2	1				5
		Vol.		0.960	0.570	0.750				2.220
3	Khair	Nos.		7	1					8
		Vol.		1.960	0.200					2.160
4	Lohar	Nos.		3						3
		Vol.		0.720						0.720
5	Bial	Nos.	2	20	12	4	2	1		39
		Vol.		4.060	3.120	2.920	2.720	4.260		17.080
6	Amaltas	Nos.	23	19	3					24
		Vol.		6.800	0.920					7.720
7	Jamun	Nos.		4	4					8
		Vol.		1.140	1.560					2.700
8	Chamrola	Nos.	6	3						3
		Vol.		0.720						0.720
9	Ber	Nos.		3						3
		Vol.		0.420						0.420
10	Kandai	Nos.	12	4						4
		Vol.		0.840						0.840
11	Kachnar	Nos.	19	3						3
		Vol.		0.420						0.420
12	Sahjna	Nos.	31	0		1				1
		Vol.		0.840		0.770				1.770
13	Khaira	Nos.		1						1
		Vol.		0.140						0.140
14	Lahra	Nos.	11	3		1				4
		Vol.		0.420		0.770				1.120
15	Khirni	Nos.	12	4						4
		Vol.		0.560						0.560
16	Dhau	Nos.		1						1
		Vol.		0.140						0.140
17	Bauri	Nos.		2						2
		Vol.		0.280						0.280
18	Dhauk	Nos.	2	2						2
		Vol.		0.280						0.280
19	Kharidh	Nos.	2			1				1
		Vol.				0.730				0.730
20	Dhaman	Nos.	1	2		1				3
		Vol.		0.280		0.730				1.010
21 Total		Nos.	199	210	47	13	2	1	0	293
		Vol.		35.200	13.220	9.890	5.720	4.260	0.000	81.190

Range Forest Officer
Kanasiq Forest Range
Distt. Mandi (H.P.)

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General Abstract of Parcel B-1760(Parking)

enteration list of trees standing (trees existing in the acquisition of ADVN Sawai Dhara BRP.

Sr. No	Species		Sampling	Class V (>=30)	IV (30-50)	III (50-70)	II-A (70-90)	II-B (90-110)	I-A (110-130)	Total (Vol.M³)
1	Bad ="	Nos.		10	5	3		2		36
		Vol.		2.240	1.300	0.750		0.810		8.750
2	Amaltash "	Nos.	20	32	8					42
		Vol.		8.100	0.560					4.740
3	Pachha "	Nos.	20	28	7					39
		Vol.		10.000	1.050					11.050
4	Shesham "	Nos.	30	70	8	4	2			76
		Vol.		9.800	1.400	0.900	0.360			13.120
5	Semar "	Nos.	10	5	2		1			8
		Vol.		0.420	0.420		0.300			2.100
6	Siraiki "	Nos.	5	1						1
		Vol.		0.140						0.140
7	Chamrelo "	Nos.	9	4						4
		Vol.		0.560						0.560
8	Phen "	Nos.		1						1
		Vol.		0.140						0.140
9	Kanu "	Nos.	5	1						1
		Vol.		0.140						0.140
10	Dhrek "	Nos.	15							0
		Vol.								0.000
11	Eukyo "	Nos.	10	1						1
		Vol.		0.140						0.140
12	Fajra "	Nos.		1						1
		Vol.		0.140						0.140
13	Kasmal "	Nos.		1						1
		Vol.		0.140						0.140
14	Shisya "	Nos.		5	2					7
		Vol.		0.840	0.280					1.120
15	Jhau "	Nos.		2						2
		Vol.		0.280						0.280
15 Total		Nos.	147	211	29	7	3	2	0	243
		Vol.		39.540	5.350	3.130	1.720	1.810	0.000	45.610 M³

Range Forest Officer
Kamra Forest Range
Distt. Attock (M.P.)

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Name of Export	Licence No.	Sr. No.	Species	Qty.	Value	Declared Unit
M/s [illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]
		2	[illegible]	[illegible]	[illegible]	[illegible]
		3	[illegible]	[illegible]	[illegible]	[illegible]
		4	[illegible]	[illegible]	[illegible]	[illegible]
		5	[illegible]	[illegible]	[illegible]	[illegible]
		6	[illegible]	[illegible]	[illegible]	[illegible]
		7	[illegible]	[illegible]	[illegible]	[illegible]
		8	[illegible]	[illegible]	[illegible]	[illegible]
		9	[illegible]	[illegible]	[illegible]	[illegible]
		10	[illegible]	[illegible]	[illegible]	[illegible]
		11	[illegible]	[illegible]	[illegible]	[illegible]
		12	[illegible]	[illegible]	[illegible]	[illegible]
		13	[illegible]	[illegible]	[illegible]	[illegible]
		14	[illegible]	[illegible]	[illegible]	[illegible]
		15	[illegible]	[illegible]	[illegible]	[illegible]
		16	[illegible]	[illegible]	[illegible]	[illegible]
		17	[illegible]	[illegible]	[illegible]	[illegible]
		18	[illegible]	[illegible]	[illegible]	[illegible]
		19	[illegible]	[illegible]	[illegible]	[illegible]
		20	[illegible]	[illegible]	[illegible]	[illegible]
		21	[illegible]	[illegible]	[illegible]	[illegible]
		22	[illegible]	[illegible]	[illegible]	[illegible]
		23	[illegible]	[illegible]	[illegible]	[illegible]
		24	[illegible]	[illegible]	[illegible]	[illegible]

ABSTRACT

Sr. No.	Species		Qty. (Cu.M)	Qty. (cmt)	Qty. (Cu.ft)	Qty. (Cft)	Qty. (Nos)	Total (Cu.M)
1	[illegible]	Nos.	[illegible]	[illegible]	[illegible]			[illegible]
		Vol.	[illegible]	[illegible]	[illegible]			[illegible]
2	[illegible]	Nos.	[illegible]	[illegible]				[illegible]
		Vol.	[illegible]	[illegible]				[illegible]
3	[illegible]	Nos.	[illegible]	[illegible]				[illegible]
		Vol.	[illegible]	[illegible]				[illegible]
4	[illegible]	Nos.	[illegible]		[illegible]			[illegible]
		Vol.	[illegible]		[illegible]			[illegible]
5	[illegible]	Nos.		[illegible]				[illegible]
		Vol.		[illegible]				[illegible]
6	[illegible]	Nos.			[illegible]			[illegible]
		Vol.			[illegible]			[illegible]
7	[illegible]	Nos.		[illegible]				[illegible]
		Vol.		[illegible]				[illegible]
8	[illegible]	Nos.	[illegible]					[illegible]
		Vol.	[illegible]					[illegible]
9	[illegible]	Nos.	[illegible]	[illegible]	[illegible]			[illegible]
		Vol.	[illegible]	[illegible]	[illegible]			[illegible]
10	[illegible]	Nos.	[illegible]					[illegible]
		Vol.	[illegible]					[illegible]
11	[illegible]	Nos.	[illegible]					[illegible]
		Vol.	[illegible]					[illegible]
12	[illegible]	Nos.					[illegible]	[illegible]
		Vol.					[illegible]	[illegible]
Total		Nos.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		Vol.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Applied		Nos.	[illegible]	[illegible]	[illegible]	[illegible]		
		Nos.	[illegible]	[illegible]	[illegible]	[illegible]		
		Qty.	[illegible]					
		Nos.	[illegible]	[illegible]				

Range Forest Officer
Farooq Forest Range
Distt. Mandi (H.P.)

Enumeration list of green standing trees coming in the acquisition of 12MW Sorai Bain HEP in D-126 Kashot Forest Parlog Beat, Baghsal Block ,Karsog forest range of karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-126	3/1	1	Amaltas	27-28	IV	Green Standing
		2	Pechha	26-27	IV	Do
		3	Diar	15-36	V	Do
		4	Pechha	15-16	V	Do
		5	Pechha	17-18	V	Do
		6	Pechha	17-18	V	Do
		7	Pechha	15-11	V	Do
		8	Pechha	12-13	V	Do
		9	Bael	28-29	IV	Do
		10	Bael	38-39	III	Do
		11	Bael	28-29	IV	Do
		12	Bael	26-27	IV	Do
		13	Bael	25-26	IV	Do
		14	Bael	26-27	IV	Do
		15	Bael	25-26	IV	Do
		16	Bael	17-18	V	Do
		17	Bael	51-52	II A	Do
		18	Bael	22-23	IV	Do
		19	Bael	17-18	V	Do
		20	Bael	27-28	IV	Do
		21	Bael	10-11	V	Do
		22	Bael	41-42	II A	Do
		23	Bael	46-47	II A	Do
		24	Bael	10-11	V	Do
		25	Bael	17-18	V	Do
		26	Bael	21-22	IV	Do
		27	Mallesh	38-39	IV	Do
		28	Kachnar	26-27	IV	Do
		29	Kheir	10-11	V	Do
		30	Pechha	22-23	IV	Do
		31	Pechha	11-12	V	Do
		32	Pechha	11-12	V	Do
		33	Bael	12-13	V	Do
		34	Bael	27-28	IV	Do
		35	Bael	17-18	V	Do
		36	Bael	18-19	V	Do
		37	Bael	11-12	V	Do
		38	Bael	10-11	V	Do
		39	Bael	12-13	V	Do
		40	Bael	18-19	V	Do
		41	Bael	11-12	V	Do
		42	Bael	14-19	V	Do
		43	Pechha	18-19	V	Do
		44	Pechha	17-18	V	Do
		45	Pechha	18-19	V	Do
		46	Kaher	12-13	V	Do
		47	Pechha	27-28	IV	Do

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Name of Forest	Khata's No.	Sr No	Species	Dia	Class	Status of Tree
		48	Khair	11-12	V	Do
		49	Sarai	25-26	IV	Do
		50	Sarai	12-13	V	Do
		51	Sarai	31-32	III	Do
		52	Pedda	10-11	V	Do
		53	Jaman	20-21	IV	Do
		54	Ludra	11-12	V	Do
		55	Ludra	13-14	V	Do
		56	Arabia	10-11	V	Do
		57	Pedda	31-32	III	Do
		58	Ludra	11-12	V	Do
		59	Ludra	17-18	V	Do
		60	Kahar	12-13	V	Do

Signature

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V8

Sr. No.	Species		A (m²/ha)	BS (m² per tree)	BB (m² per tree)	BA (m²/ha)	BB (m³/ha)	IS (No./ha)	IB (No./ha)	IV (m³/ha)	Value (Rs./ha)
1	Anjan	No.		1							1
		Vol.		0.208							9,230
2	Karanj	No.	11	2	1						15
		Vol.	0.340	0.388	0.138						2,896
3	Kusum	No.	2								3
		Vol.	0.420								9,420
4	Jamun	No.	18	16	1	2	1				28
		Vol.	3.598	2.894	0.270	3.258	1.120				9,930
5	Mahua	No.		1							1
		Vol.		0.246							8,760
6	Arjun	No.		1							1
		Vol.		0.268							6,568
7	Khair	No.	2								2
		Vol.	0.280								11,268
8	Neem	No.	3	3	1						4
		Vol.	0.582	0.520	0.104						3,998
9	Babul	No.	4								4
		Vol.	0.598								8,968
10	Aonla	No.	9								9
		Vol.	0.891								8,249
Total		No.	56	28	3	5	1	8	8	8	68
		Vol.	5.888	4.689	1.290	3.258	1.120	0.888	0.888	0.888	1,04,999
Sapling		Species	Jamun	Neem	Mahua	Arjun	Karanj	Kusum	Babul	Aonla	
		No.	8	11	8	6	19	6	11	8	
		Type	Goat	Wild Pig	Monkey	Cattle	Bird	Cattle rub	Porcupine	Goat	
		Vol.	7	9	6	5	9	5	10	Nos.	68

Range Forest Officer
Karanj Forest Range
Dhule Mandal (M.S.)

Enumeration list of green standing trees coming in the acquisition of Sawli Sunni Dam HEP in D-126 Kashot Forest Paling Beat , Baghat Block, Karsog forest range of karsog Forest Division Mandi (H.P) for the year 2018-19

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-126	33/1	1	Khar	10-11	V	Green Standing
		2	Kikar	13-14	V	Do
		3	Kikar	10-11	V	Do
		4	Bad	12-13	V	Do
		5	Bad	17-14	V	Do
		6	Bad	15-16	V	Do
		7	Bad	14-15	V	Do
		8	Sisam	31-32	III	Do
		9	Amaltash	18-19	V	Do
		10	Pechha	21-22	IV	Do
		11	Lodra	18-19	V	Do
		12	Sisam	23-24	IV	Do
		13	Sisam	31-32	III	Do
		14	Pechha	10-11	V	Do
		15	Pechha	12-13	V	Do
		16	Bad	21-22	IV	Do
		17	Bad	26-27	IV	Do
		18	Pechha	25-26	IV	Do
		19	Pechha	20-21	IV	Do
		20	Pechha	19-20	V	Do
		21	Kikrah	10-11	V	Do
		22	Amaltash	12-13	V	Do
		23	Amaltash	24-25	IV	Do
		24	Lodra	21-22	IV	Do
		25	Lodra	10-11	V	Do
		26	Lodra	11-12	V	Do
		27	Lodra	10-11	V	Do
		28	Lodra	11-12	V	Do
		29	Lodra	13-14	V	Do
		30	Amaltash	12-13	V	Do
		31	Pechha	24-25	IV	Do
		32	Kikar	13-14	V	Do
		33	Amlia	12-13	V	Do
		34	Pechha	26-27	IV	Do
		35	Pechha	21-22	IV	Do
		36	Pechha	36-37	III	Do
		37	Amlia	14-15	V	Do
		38	Lodra	14-15	V	Do
		39	Pechha	30-31	IV	Do
		40	Lodra	31-32	III	Do
		41	Amaltash	18-19	V	Do
		42	Pechha	11-12	V	Do
		43	Pechha	25-26	IV	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		45	Pachla	25-25	IV	Dry
		46	Kanchal	10-11	V	Dry
		47	Kanju	11-12	V	Dry
		48	Gethi	12-14	V	Dry
		49	Pachla	10-11	V	Dry
		50	Pachla	14-16	V	Dry
		51	Pachla	11-12	V	Dry
		52	Dhau	30-35	III	Dry
		53	Pachla	11-12	V	Dry
		54	Pachla	10-10	V	Dry
		55	Pachla	10-10	V	Dry
		56	Bail	31-32	III	Dry
		57	Bail	29-30	IV	Dry
		58	Bail	24-25	IV	Dry
		59	Bail	39-40	III	Dry
		60	Bail	44-45	IIA	Dry
		61	Bail	47-48	IIA	Dry
		62	Bail	24-25	IV	Dry
		63	Bail	28-29	IV	Dry
		64	Bail	18-19	V	Dry
		65	Bail	14-22	V	Dry
		66	Arsalunch	22-23	IV	Dry
		67	Arsalunch	18-19	V	Dry
		68	Kalsar	11-12	V	Dry
		69	Kanthol	15-16	V	Dry
		70	Kanthol	18-19	V	Dry
		71	Dhwai	15-11	V	Dry
		72	Arsalunch	31-32	III	Dry
		73	Pachla	12-13	V	Dry
		74	Sisam	43-46	IIA	Dry
		75	Arsalunch	16-17	V	Dry
		76	Pachla	20-21	IV	Dry
		77	Pachla	14-19	V	Dry
		78	Pachla	17-18	V	Dry
		79	Arsalunch	16-17	V	Dry
		80	Kalsar	11-12	V	Dry
		81	Pachla	15-17	V	Dry
		82	Pachla	23-24	IV	Dry
		83	Pachla	18-19	V	Dry
		84	Sajan	10-11	V	Dry
		85	Khair	12-13	V	Dry
		86	Khair	15-19	V	Dry
		87	Bail	12-13	V	Dry
		88	Pachla	11-12	V	Dry
		89	Bail	35-36	III	Dry
		90	Bail	38-39	V	Dry

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		90	Bad	31-32	III	Dry
		91	Bad	30-31	III	Dry
		92	Amaltash	8-11	V	Dry
		93	Amaltash	12-15	V	Dry
		94	Khair'a	12-11	V	Dry
		95	Khair'a	53-54	II R	Dry
		96	Bad	31-32	III	Dry
		97	Kaker	35-36	III	Dry
		98	Bad	31-32	III	Dry
		99	Bad	16-20	V	Dry
		100	Pechka	10-11	V	Dry
		101	Khair	13-14	V	Dry
		102	Bad	14-15	V	Dry
		103	Bad	19-20	V	Dry
		104	Bad	15-16	V	Dry
		105	Bar	13-14	V	Dry
		106	Amaltash	30-31	IV	Dry
		107	Pechka	16-18	V	Dry
		108	Pechka	22-23	V	Dry
		109	Charcoola	19-20	V	Dry
		110	Pechka	30-31	IV	Dry
		111	Pechka	12-14	V	Dry
		112	Khair	19-20	V	Dry
		113	Pechka	30-31	IV	Dry
		114	Lasha	16-19	V	Dry
		115	Pechka	11-12	V	Dry
		116	Pechka	11-12	V	Dry
		117	Pechka	24-25	IV	Dry
		118	Haliya	15-16	V	Dry
		119	Charcoola	17-18	V	Dry
		120	Pechka	10-11	V	Dry
		121	Pechka	18-19	V	Dry
		122	Pechka	11-12	V	Dry
		123	Pechka	10-11	V	Dry
		124	Pechka	15-16	V	Dry
		125	Pechka	11-12	V	Dry
		126	Karam	12-13	V	Dry
		127	Pechka	14-15	V	Dry
		128	Pechka	28-29	IV	Dry
		129	Lasha	31-32	III	Dry
		130	Bad	10-11	V	Dry
		131	Amaltash	18-19	V	Dry
		132	Bad	15-16	V	Dry
		133	Bad	18-19	V	Dry
		134	Bad	28-29	IV	Dry
		135	Amaltash	17-18	V	Dry

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		156	Amaltash	18-19	V	Dry
		157	Kharia	18-19	V	Dry
		158	Kandiai	17-18	V	Dry
		159	Kharia	11-12	V	Dry
		140	Lodra	32-33	III	Dry
		141	Lodra	19-20	V	Dry
		142	Lodra	23-22	IV	Dry
		143	Bad	51-52	II B	Dry
		144	Bad	34-35	III	Dry
		145	Khirni	20-21	IV	Dry
		146	Jamun	35-36	III	Dry
		147	Amaltash	18-19	V	Dry
		148	Lodra	12-13	V	Dry
		149	Bad	51-52	II B	Dry
		150	Bad	28-29	IV	Dry
		151	Bad	30-31	III	Dry
		152	Kalsi	48-49	II A	Dry
		153	Mahua	10-11	V	Dry
		154	Pachia	23-24	IV	Dry
		155	Pachia	24-25	IV	Dry
		156	Bad	21-22	IV	Dry
		157	Bad	28-29	IV	Dry
		158	Bad	31-32	III	Dry
		159	Bad	15-16	V	Dry
		160	Bad	17-18	V	Dry
		161	Bad	14-15	V	Dry
		162	Pachia	12-13	V	Dry
		163	Pachia	10-11	V	Dry
		164	Pachia	20-21	IV	Dry
		165	Pachia	15-16	V	Dry
		166	Persin	21-22	IV	Dry
		167	Pachia	15-16	V	Dry
		168	Pachia	16-17	V	Dry
		169	Bad	21-22	IV	Dry
		170	Bad	10-11	V	Dry
		171	Bad	22-23	IV	Dry
		172	Amaltash	11-12	V	Dry
		173	Amaltash	13-14	V	Dry
		174	Pachia	18-19	V	Dry
		175	Pachia	20-21	IV	Dry
		176	Pachia	27-28	IV	Dry
		177	Pachia	24-25	IV	Dry
		178	Amaltash	12-13	V	Dry
		179	Pachia	12-13	V	Dry
		180	Lasora	11-12	V	Dry
		181	Semar	13-14	V	Dry

Name of Forest	Khasra No.	Ar No	Species	Dia	Class	Status of Tree
		182	Pechia	13-14	V	Do
		183	Kumbal	14-15	V	Do
		184	Archib	14-15	V	Do
		185	Kachnar	10-11	V	Do
		186	Pecula	11-12	V	Do
		187	Bad	36-37	III	Do
		188	Bad	21-22	IV	Do
		189	Bad	23-24	IV	Do
		190	Bad	48-49	IIA	Do
		191	Pechia	19-20	V	Do
		192	Bad	37-38	IV	Do
		193	Sajan	45-46	IIA	Do
		194	Pechia	45-46	IIA	Do
		195	Pechia	30-32	III	Do
		196	Pipal	18-19	V	Do
		197	Jamun	14-15	V	Do
		198	Jamun	16-17	V	Do
		199	Jamun	18-19	V	Do
		200	Pechia	11-12	V	Do
		201	Neem	12-13	V	Do
		202	Pechia	10-11	V	Do
		203	Pechia	21-22	IV	Do
		204	Pechia	22-23	IV	Do
		205	Pechia	16-17	V	Do

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Sl. No.	Species		X (X in cm)	BT (in cm)	BH (X in cm)	VOL (Vol in cm³)	HH (X in cm)	AA (in sq. ft)	BB (in sq. cm)	Total (VOL in ft³)
1	Mhow	Nos.	4							4
		Vol.	0.560							0.560
2	Kalam	Nos.	3		3	3				3
		Vol.	0.288		0.156	0.468				0.912
3	Neel	Nos.	20	13	16	2	2			91
		Vol.	2.880	0.936	2.336	0.936	0.936			13.648
4	Sisam	Nos.	4	3	3	2				9
		Vol.	0.560	0.360	0.504	0.720				0.960
5	Gamhar	Nos.	11	3	3					89
		Vol.	2.376	0.504	0.756					3.636
6	Neem	Nos.	40	24	3	3				69
		Vol.	5.600	4.320	0.468	0.936				11.948
7	Teak	Nos.	12	3	3					17
		Vol.	1.680	0.720	2.808					6.208
8	Khair	Nos.	2							2
		Vol.	0.280							0.280
9	Kachnar	Nos.	2							2
		Vol.	0.280							0.280
10	Arjuna	Nos.	5							5
		Vol.	0.525							0.525
11	Asoka	Nos.	4							4
		Vol.	0.560							0.560
12	Bakain	Nos.	2							2
		Vol.	0.280							0.280
13	Tikar	Nos.			3					3
		Vol.			0.504					0.504
14	Jamul	Nos.	2							2
		Vol.	0.420							0.420
15	Khair	Nos.	3	2			1			9
		Vol.	0.420	0.168			0.252			0.840
16	Chandan	Nos.	2							2
		Vol.	0.280							0.280
17	Dhaura	Nos.	2							2
		Vol.	0.280							0.280
18	Pipal	Nos.	2							2
		Vol.	0.420							0.420
19	Jamun	Nos.	2							2
		Vol.	0.420		0.420					0.840
Total		Nos.	127	46	71	7	3	0	0	324
		Vol.	17.780	7.056	10.220	2.532	0.000	0.000	0.000	40.678 M³
Species		Name	Mhow	Kalam	Neel	Sisam	Gamhar	Neem	Teak	
		Nos.	12	8	12	7	2	2	2	
		Vol.	2.80	1.08	5.40	1.68	0.72	0.56	0.84	
		Name	Khair	Chandan	Arjuna	Asoka	Bakain	Tikar	Jamul	
		Nos.	3	2	5	4	2	3	2	
		Vol.	0.84	0.56	0.84	0.84	0.56	0.84	0.84	
		Name	Jamun							
		Nos.	2							
		Vol.	0.84							

Range Forest Officer
Kanakagiri Forest Range
Dist. Mandla (M.P.)

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Enumeration list of green standing trees coming in the acquisition of SWB Sunni Dam HEP in O-126 Rakhat Forest Parlag Beat, Bagshad Block Karsog forest range of Karsog forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
O-126	65/1	1	Pechka	23-24	IV	Green Standing
		2	Pechka	11-12	V	Do
		3	Pechka	14-15	V	Do
		4	Pechka	13-14	V	Do
		5	Pechka	12-13	V	Do
		6	Pechka	17-18	V	Do
		7	Kuth	18-19	V	Do
		8	Pechka	11-12	V	Do
		9	Pechka	18-19	V	Do
		10	Pechka	13-14	V	Do
		11	Pechka	22-23	IV	Do
		12	Pechka	24-25	IV	Do
		13	Pechka	10-11	V	Do
		14	Pechka	22-23	IV	Do
		15	Pechka	18-19	V	Do
		16	Pechka	12-13	V	Do
		17	Rad	31-32	III	Do
		18	Rad	30-31	III	Do
		19	Rad	32-33	III	Do
		20	Pechka	17-18	V	Do
		21	Pechka	10-11	V	Do
		22	Kakar	18-19	V	Do
		23	Kakar	13-14	V	Do
		24	Rad	21-22	IV	Do
		25	Pechka	18-19	V	Do
		26	Kharsu	17-18	V	Do
		27	Pechka	19-20	V	Do
		28	Pechka	17-18	V	Do
		29	Pechka	16-17	V	Do
		30	Pechka	24-25	IV	Do
		31	Pechka	18-19	V	Do
		32	Amaltash	10-11	V	Do
		33	Amaltash	12-13	V	Do
		34	Amaltash	12-13	V	Do
		35	Pechka	21-22	IV	Do
		36	Amaltash	12-13	V	Do
		37	Tatlila	13-14	V	Do
		38	Bael	31-32	III	Do
		39	Bael	30-31	III	Do
		40	Bael	46-47	II A	Do
		41	Bael	41-42	II A	Do
		42	Kanihal	11-12	V	Do
		43	Aartila	13-14	V	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Scattered Tree
		44	Shisham	11-12	V	Dia
		45	Ber	15-16	V	Dia
		46	Ber	12-13	V	Dia
		47	Ber	14-15	V	Dia
		48	Ber	11-12	V	Dia
		49	Semal	11-12	V	Dia
		50	Peepal	11-12	V	Dia

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ABSTRACT

Sr. No.	Species		Class							Total
			V	IV	III	IIA	IIB	IA	IB	
1	[illegible]	No.	[illegible]	[illegible]						[illegible]
		Vol	[illegible]	[illegible]						[illegible]
2	[illegible]	No.	[illegible]							[illegible]
		Vol	[illegible]							[illegible]
3	[illegible]	No.	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
		Vol	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
4	[illegible]	No.	[illegible]							[illegible]
		Vol	[illegible]							[illegible]
5	[illegible]	No.	[illegible]							[illegible]
		Vol	[illegible]							[illegible]
6	[illegible]	No.	[illegible]							[illegible]
		Vol	[illegible]							[illegible]
7	[illegible]	No.	[illegible]							[illegible]
		Vol	[illegible]							[illegible]
8	[illegible]	No.	[illegible]							[illegible]
		Vol	[illegible]							[illegible]
9	[illegible]	No.	[illegible]							[illegible]
		Vol	[illegible]							[illegible]
10	[illegible]	No.	[illegible]			[illegible]				[illegible]
		Vol	[illegible]							[illegible]
Total		No.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		Vol	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] m^3
Sapling		Species	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		No.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		Species	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
		No.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

Range Forest Officer,
Kalabagh Forest Range
Distt. Khushab (M.P.)

Enumeration list of green standing trees coming in the acquisition of SJVN Sainj Dam HEP in D-126 Kashot Forest Parlog Beat, Dagshai Block, Kamog forest range of Kamog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-126	64/1	1	Pedda	28-29	IV	Green Standing
		2	Pedda	22-23	IV	Do
		3	Pedda	24-25	IV	Do
		4	Pedda	18-19	IV	Do
		5	Pedda	20-21	IV	Do
		6	Pedda	18-19	V	Do
		7	Pedda	11-12	V	Do
		8	Pedda	22-23	IV	Do
		9	Pedda	18-19	V	Do
		10	Lada	11-12	V	Do
		11	Chamrola	20-21	IV	Do
		12	Pedda	12-13	V	Do
		13	Pedda	18-19	V	Do
		14	Pedda	22-23	IV	Do
		15	Pedda	24-25	IV	Do
		16	Pedda	21-22	IV	Do
		17	Saaj	21-22	IV	Do
		18	Pedda	18-19	V	Do
		19	Bael	12-13	V	Do
		20	Amaltash	13-14	V	Do
		21	Jamun	18-19	V	Do
		22	Semal	11-12	V	Do
		23	Kandoi	10-11	V	Do
		24	Pedda	22-23	IV	Do
		25	Pedda	13-14	V	Do
		26	Pedda	19-20	V	Do
		27	Pedda	15-16	V	Do
		28	Pedda	16-17	V	Do
		29	Pedda	23-22	IV	Do
		30	Pedda	13-12	V	Do
		31	Pedda	15-14	V	Do
		32	Chamrola	13-12	V	Do
		33	Chamrola	14-17	V	Do
		34	Bael	20-21	IV	Do
		35	Bael	16-17	V	Do
		36	Bael	13-14	V	Do
		37	Bael	16-18	V	Do
		38	Bael	16-17	V	Do
		39	Bael	22-23	IV	Do
		40	Bael	21-22	IV	Do
		41	Pedda	28-29	IV	Do
		42	Pedda	31-32	III	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		43	Pinkus	21-22	IV	Do
		44	Bad	11-12	V	Do
		45	Pedus	11-12	V	Do
		46	Pedus	12-13	V	Do
		47	Bad	30-31	III	Do
		48	Bad	12-13	V	Do
		49	Bad	25-26	IV	Do
		50	Pedus	15-16	V	Do
		51	Pedus	21-22	IV	Do
		52	Pedus	11-12	V	Do
		53	Pedus	15-16	V	Do
		54	Pedus	10-11	V	Do
		55	Pedus	11-12	V	Do
		56	Amaltash	13-14	V	Do
		57	Pedus	41-42	IIA	Do
		58	Amaltash	12-13	V	Do
		59	Amaltash	12-13	V	Do
		60	Shisham	11-12	V	Do
		61	Chamrosh	11-12	V	Do
		62	Chamrosh	12-13	V	Do
		63	Pedda	11-12	V	Do
		64	Pedda	18-19	V	Do
		65	Pedda	10-11	V	Do
		66	Bad	14-15	V	Do
		67	Pedda	12-13	V	Do
		68	Amaltash	15-16	V	Do
		69	Bad	45-46	IIA	Do
		70	Bad	11-12	V	Do
		71	Bad	12-13	V	Do
		72	Amaltash	12-13	V	Do
		73	Amaltash	21-22	IV	Do
		74	Bad	35-36	III	Do
		75	Bad	31-32	III	Do
		76	Bad	19-20	V	Do
		77	Bad	26-27	IV	Do
		78	Bad	33-34	III	Do
		79	Bad	18-19	V	Do
		80	Bad	13-14	V	Do
		81	Pedda	15-16	V	Do
		82	Pedda	20-21	IV	Do
		83	Pedda	12-13	V	Do
		84	Chamrosh	13-14	V	Do
		85	Chamrosh	11-12	V	Do
		86	Pedda	15-16	V	Do
		87	Pedda	20-21	IV	Do
		88	Kumbat	10-11	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Nature of Tree
		89	Peepal	13-14	V	Dry
		90	Peepal	35-36	IV	Dry
		91	Peepal	17-18	V	Dry
		92	Lasura	11-12	V	Dry
		93	Bael	31-32	III	Dry
		94	Bael	30-31	III	Dry
		95	Bael	15-16	V	Dry
		96	Bael	18-19	V	Dry
		97	Bael	24-25	IV	Dry
		98	Bael	14-15	V	Dry
		99	Bael	18-19	V	Dry
		100	Kakar	12-13	V	Dry
		101	Neelia	18-19	V	Dry
		102	Kakar	11-12	V	Dry
		103	Neelia	12-13	V	Dry
		104	Neelia	14-15	V	Dry
		105	Neelia	11-12	V	Dry
		106	Neelia	11-12	V	Dry
		107	Leelia	12-13	V	Dry
		108	Leelia	10-11	V	Dry
		109	Neelia	26-27	IV	Dry
		110	Neelia	36-37	IV	Dry
		111	Neelia	12-13	V	Dry
		112	Neelia	27-28	IV	Dry
		113	Kandul	29-30	IV	Dry
		114	Kandul	28-29	IV	Dry
		115	Kandul	22-23	IV	Dry
		116	Kandul	13-14	V	Dry
		117	Neelia	11-12	V	Dry
		118	Neelia	13-14	V	Dry
		119	Neelia	11-12	V	Dry
		120	Kandul	10-11	V	Dry
		121	Kakar	20-21	IV	Dry
		122	Neelia	16-17	V	Dry
		123	Neelia	14-15	V	Dry
		124	Neelia	22-23	IV	Dry
		125	Neelia	15-16	V	Dry

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Sr. No	Species		Class							
			V	IV	III	IIA	IIB	IA	IB	Total
1	Teak	Nos.	40	21	1	1				63
		Vol.	5.08C	5.66C	0.71C	0.72C				12.15D
2	Indian	Nos.	9							9
		Vol.	0.74C							0.74D
3	Chinonandra	Nos.	10	3						13
		Vol.	0.84C	0.26D						1.10D
4	Sahati	Nos.	1	2						3
		Vol.	0.10C	0.26D						0.36D
5	Haldu	Nos.	17	6	3	1				27
		Vol.	2.32	1.16D	0.21D	0.16D				3.85D
6	Arjun/Asan	Nos.	6	3						9
		Vol.	0.54C	0.30D						0.84D
7	Jamun	Nos.	1							1
		Vol.	0.10C							0.10D
8	Kusum	Nos.	4	2						6
		Vol.	0.36C	0.72D						1.08D
9	Khirsam	Nos.	1							1
		Vol.	0.14C							0.14D
10	Lohar	Nos.	3							3
		Vol.	0.12D							0.12D
Total		Nos.	92	37	7	2	0	0	0	138
		Vol.	10.42A	8.58B	0.92C	0.72D	0.00E	0.00E	0.00E	20.63E
Neighbouring		Type	Private	Govt	Revenue	Revenue	Private	Private	Revenue	
		Nos.	35	6	28	8	4	10	5	
		Type	Private	Revenue	Revenue	Revenue	Private	Private	Govt	
		Nos.	3	2	10	4	1	6	6	

Range Forest Officer
Kanjiri Forest Range
Dist. Manjeri (M.P.)

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in D-126, Kashet Forest Kanog Beat , Bagshad Block , Kanog forest range of kanog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-126	3/3/1	1	Jamun	28-29	IV	Green standing
		2	Jamun	18-19	V	Do
		3	Jamun	22-23	IV	Do
		4	Jamun	35-36	III	Do
		5	Jamun	29-30	IV	Do
		6	Jamun	14-16	V	Do
		7	Trambal	12-13	V	Do
		8	Baliya	35-36	III	Do
		9	Kanihal	21-22	IV	Do
		10	Chaila	10-11	V	Do
		11	Kanihal	21-22	IV	Do
		12	Kanihal	12-13	V	Do
		13	Kanihal	10-11	V	Do
		14	Kanihal	13-15	V	Do
		15	Amboy	21-22	V	Do
		16	Chirak	12-13	V	Do
		17	Kanihal	12-13	V	Do
		18	Kanihal	30-38	IV	Do
		19	Jamun	41-42	III	Do
		20	Jamun	22-23	IV	Do
		21	Jamun	18-19	V	Do
		22	Jamun	28-29	IV	Do
		23	Baliya	35-36	IV	Do
		24	Baliya	25-26	IV	Do
		25	Bhoord	11-12	V	Do
		26	Kelsa	11-12	V	Do
		27	Kanihal	10-11	V	Do
		28	Drank	15-16	V	Do
		29	Baliya	19-20	V	Do
		30	Kanihal	11-12	V	Do
		31	Pachla	14-15	V	Do
		32	Baliya	31-32	III	Do
		33	Kanihal	13-14	V	Do
		34	Pachla	15-16	V	Do
		35	Jamun	25-26	IV	Do
		36	Amboy	22-23	IV	Do
		37	Nahan	15-16	V	Do
		38	Kakar	22-23	IV	Do
		39	Jaman	18-19	V	Do
		40	Chirik	18-19	V	Do
		41	Jamun	31-32	III	Do
		42	Jamun	14-15	V	Do
		43	Jamun	19-20	V	Do
		44	Jamun	30-31	III	Do
		45	Kakar	23-24	IV	Do
		46	Kakar	20-21	V	Do
		47	Kakar	15-16	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		48	Kikar	18-19	V	Do
		49	Jamun	11-12	V	Do
		50	Jamun	14-15	V	Do
		51	Kikar	24-25	IV	Do
		52	Jamun	30-31	III	Do
		53	Jamun	25-26	IV	Do
		54	Peepla	10-11	V	Do
		55	Peepla	10-11	V	Do
		56	Jamun	35-36	III	Do
		57	Jamun	25-26	IV	Do
		58	Jamun	15-16	V	Do
		59	Kikar	24-25	IV	Do

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ABSTRACT

Sr. No	Species		Class V (Vol-M³)	IV (Vol-M³)	III (Vol-M³)	IIA (Vol-M³)	Total (Vol-M³)
1	Jamun	Nos.	9	8	5	1	23
		Vol.	1.260	2.080	1.670	1.360	6.350
2	Tinsulai	Nos.	1				1
		Vol.	0.140				0.140
3	Bahda	Nos.	1	2	2		5
		Vol.	0.140	0.520	1.460		2.120
4	Kachnal	Nos.	5	3			8
		Vol.	0.700	0.780			1.480
5	Chiuli	Nos.	1	1			2
		Vol.	0.140	0.260			0.400
6	Amlas	Nos.	1	1			2
		Vol.	0.140	0.260			0.400
7	Kachnar	Nos.	2				2
		Vol.	0.280				0.280
8	Khirni	Nos.	1				1
		Vol.	0.140				0.140
9	Shisham	Nos.	2				2
		Vol.	0.140				0.140
10	Kirmir	Nos.	2	4			6
		Vol.	0.700	1.040			1.740
11	Peelun	Nos.	4				4
		Vol.	0.560				0.560
12	Dimli	Nos.	1				1
		Vol.	0.140				0.140
Total		Nos.	32	19	7	1	59
		Vol.	4.480	4.940	3.130	1.360	13.890 M³
Sapling		Sp.	Jamun	Peelun	Karir		
		Nos.	5	3	4		
		Sp.	Tinsulai	Kachnar	Shisham	Bahda	
		Nos.	6	5	2	35	

Range Forest Officer
Kalesar Forest Range
Distt. Yamuna Nagar (H.P.)

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Enumeration list of green standing trees earking in the registration of SWM Lower Dam (RP in D-126, Kishot Forest Parlog Beat , Rajshall Block , Karsog forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr. No	Species	Dia	Class	Status of Tree
D-126	12/1	1	Aesculus	17-18	V	Green standing
		2	Pedda	16-16	V	Do
		3	Pedda	12-13	V	Do
		4	Kikar	30-31	III	Do
		5	Pedda	12-13	V	Do
		6	Kachal	14-15	V	Do
		7	Pedda	15-16	V	Do
		8	Kikar	34-35	IV	Do
		9	Kikar	16-16	V	Do
		10	Pedda	12-13	V	Do
		11	Kanial	11-13	V	Do
		12	Kikar	21-22	IV	Do
		13	Aadar	24-25	IV	Do
		14	Aridus	22-23	IV	Do
		15	Pedda	18-19	V	Do
		16	Semal	11-12	V	Do
		17	Pedda	16-17	V	Do
		18	Pedda	12-13	V	Do
		19	Kanhal	12-13	V	Do
		20	Seenk	14-15	V	Do
		21	Amaltash	18-19	V	Do
		22	Pedda	21-22	III	Do
		23	Kikar	14-15	V	Do
		24	Sandhi	12-13	V	Do
		25	Pedda	11-12	V	Do
		26	Pedda	21-22	IV	Do
		27	Kikar	36-39	III	Do
		28	Pedda	11-22	IV	Do
		29	Pedda	14 -15	V	Do
		30	Kanchal	10-11	V	Do
		31	Kanchal	15-16	V	Do
		32	Kikar	34-35	III	Do
		33	Kanihal	14-15	V	Do
		34	Sisoo	28-29	IV	Do
		35	Bahda	27-28	IV	Do
		36	Kanihal	11-12	V	Do
		37	Kanihal	11-12	V	Do
		38	Kanihal	14-15	V	Do
		39	Kanhal	10-11	V	Do
		40	Pedda	20-21	IV	Do
		41	Kanhal	14-15	V	Do
		42	Kanhar	17-18	V	Do
		43	Kanhal	11-12	V	Do
		44	Kanhal	15 -16	V	Do
		45	Kanhal	17-18	V	Do
		46	Kanhar	14-15	V	Do
		47	Kanhar	16-17	V	Do
		48	Kanhal	14-15	V	Do
		49	Kanhal	15-16	V	Do
		50	Kanhar	16-17	V	Do

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Name of Range	Kanam No.	Sr No	Species	Girth	Class	Status of Tree
		51	Kachnar	14-13	V	Do
		52	Kachnar	15-11	V	Do
		53	Kikar	20-29	IV	Do
		54	Kikar	31-32	III	Do
		55	Peelkn	14-13	V	Do
		56	Peelkn	13-12	V	Do
		57	Karnbe	10-11	V	Do
		58	Karnbe	14-13	V	Do
		59	Shesh	18-19	V	Do
		60	Kachnar	28-23	IV	Do
		61	Kachnar	17-14	V	Do
		62	Kachnar	24-13	V	Do
		63	Kanchnar	10-11	V	Do
		64	Peelkn	25-23	IV	Do
		65	Kachnar	26-27	IV	Do
		66	Peelkn	15-13	V	Do
		67	Peelkn	20-21	IV	Do
		68	Peelkn	14-15	V	Do
		69	Kachnar	11-12	V	Do
		70	Kachnar	14-15	V	Do
		71	Kachnar	15-13	V	Do
		72	Kanchnar	18-15	V	Do
		73	Kanchnar	13-11	V	Do
		74	Kanchnar	12-13	V	Do
		75	Kanchnar	13-14	V	Do
		76	Kanchnar	13-16	V	Do
		77	Shesham	12-13	V	Do
		78	Bahrya	17-18	V	Do
		79	Kanchnar	15-17	V	Do
		80	Kanchnar	15-16	V	Do
		81	Peelkn	10-11	V	Do
		82	Kanchnar	13-14	V	Do
		83	Kikar	15-14	V	Do
		84	Kikar	12-13	V	Do
		85	Kikar	10-11	V	Do
		86	Kikar	10-11	V	Do
		87	Kikar	10-11	V	Do
		88	Kikar	10-11	V	Do
		89	Peelkn	10-9	V	Do
		90	Kanchnar	11-12	V	Do
		91	Kikar	25-26	IV	Do
		92	Kikar	22-23	IV	Do
		93	Kanchnar	11-12	V	Do
		94	Bir	10-11	V	Do
		95	Peelkn	21-22	IV	Do
		96	Bir	10-11	V	Do
		97	Bir	11-12	V	Do
		98	Bir	10-11	V	Do
		99	Kikrik	10-11	V	Do
		100	Bir	10-11	V	Do
		101	Bir	11-12	V	Do
		102	Bir	10-11	V	Do
		103	Kanchnar	10-11	V	Do
		104	Kanchnar	11-12	V	Do
		105	Kikar	30-31	III	Do
		106	Kikar	34-35	III	Do

ARTIFACT

Sr. No	Species		Class	V (cu.m)	IV (Nos/Ha)	III (Vol/Ha)	II A (Vol/Ha)	Total (Vol/Ha)
1	Anjilimb		Nos	2				2
			Vol	0.280				0.280
2	Pajjida		Nos	1	6	1		23
			Vol	2.291	4.760	0.550		4.530
3	Kasu		Nos	2	8	6		14
			Vol	0.580	4.160	4.580		5.910
4	Kasilad		Nos	30	1			37
			Vol	3.240	0.280			3.520
5	Arlikr		Nos	1	3			3
			Vol	0.440	0.550			0.990
6	Sasuli		Nos	2				2
			Vol	0.280				0.280
7	Bidiga		Nos	1	2			3
			Vol	0.120	0.270			0.390
8	Gil		Nos	7				7
			Vol	0.980				0.980
9	Lenna		Nos	4				4
			Vol	0.560				0.560
10	Shikkai		Nos	8				8
			Vol	0.840				0.840
11	Jamun		Nos			1		1
			Vol			0.780		0.780
12	Kachnar		Nos	10				10
			Vol	1.400				1.400
13	Jamrul		Nos	1				1
			Vol	0.840				0.840
14	Khair		Nos	2				2
			Vol	0.280				0.280
Total			Nos	82	35	8	2	196
			Vol	11.880	4.160	5.860	0.840	21.480 M³
Ranking		Sp.	Kasilad	Pajjida	Kasu	Kasilad		
		Nos.	37	23	14	6		
		Sp.	Lenna	Kasilad	Shisam	Jamun	Total	
		Nos.	8	7	6	6	Nos.	82

Range Forest Officer
Kamalog Forest Range
(Tribal Affairs) (HPP)

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Enumeration list of green standing trees coming in the acquisition of SWN Sonnt Dam HEP in U 126, Kasnet Forest Paring Beat, Bagahat Block, Karang forest range of Karang Forest Division Mawli (in P) for the year 2018-19.

Name of Forest	Kheera No.	Sr No	Species	Dia	Class	Status of Tree
U-126	32	1	Sisham	10-11	V	Green standing
		2	Sakar	17-18	V	Do
		3	Sakar	20-21	IV	Do
		4	Kanyal	12-13	V	Do
		5	Kanyal	12-13	V	Do
		6	Kanyal	18-19	V	Do
		7	Peddak	11-12	V	Do
		8	Ankon	18-19	V	Do
		9	Tendual	11-12	V	Do
		10	Arjun	47-48	IIA	Do
		11	Dal	40-41	IIA	Do
		12	Chali	13-14	V	Do
		13	Tendual	15-16	V	Do
		14	Arjun	50-51	IIB	Do
		15	Arjun	40-41	IIA	Do
		16	Arjun	35-36	IV	Do
		17	Arjun	28-29	IV	Do
		18	Peddak	13-14	V	Do
		19	Peddak	29-30	IV	Do
		20	Dhak	12-13	V	Do
		21	Dhak	11-12	V	Do
		22	Chamrode	12-13	V	Do
		23	Kanjal	9-11	V	Do
		24	Chamrode	11-12	V	Do
		25	Arjun	16-17	V	Do
		26	Kanjal	13-14	V	Do
		27	Arjun	40-41	IIA	Do
		28	Kanjal	33-35	IIB	Do
		29	Arjun	41-42	IIA	Do
		30	Kanjal	33-35	IV	Do
		31	Kanjal	10-11	V	Do
		32	Kanjal	12-13	V	Do
		33	Kanjal	11-14	V	Do
		34	Peddak	18-19	V	Do
		35	Dalbergia	11-12	V	Do
		36	Anjeer	12-13	V	Do
		37	Peddak	25-26	IV	Do
		38	Semul	35-36	III	Do
		39	Aganbash	15-16	V	Do
		40	Dhauk	12-13	V	Do
		41	Peddak	18-19	V	Do
		42	Peddak	21-22	IV	Do
		43	Kanjal	12-13	V	Do
		44	Kanjal	16-17	V	Do
		45	Dalbergia	11-12	V	Do
		46	Jamun	31-32	IIB	Do
		47	Jamun	45-46	IIA	Do
		48	Peddak	23-24	IV	Do
		49	Anjeer	45-46	IIA	Do
		50	Peddak	19-20	IV	Do
		51	Ankon	28-30	IV	Do
		52	Dalbergia	14-15	V	Do
		53	Peddak	21-22	IV	Do
		54	Dalbergia	12-13	V	Do
		55	Jaul	24-25	IV	Do
		56	Jaul	16-17	V	Do
		57	Jamun	35-36	IV	Do

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ABSTRACT

Sr. No.	Species		Class					Total (Vol./ha)
			V (>40 cm)	IV (30-40 cm)	III (20-30 cm)	IIA (10-20 cm)	IIB (4-10 cm)	
1	Shisham	No./ha	1					1
		Vol.	0.130					0.130
2	Kikar	No./ha	3	1				4
		Vol.	0.420	0.200				0.620
3	Cardinal	No./ha	2	1				3
		Vol.	0.950	0.200				1.240
4	Fruits	No./ha	1	2				3
		Vol.	0.160	0.369				0.529
5	Jowar	No./ha	3	5		1	1	10
		Vol.	0.420	0.930		0.130	0.020	0.920
6	Bair	No./ha	1	1				2
		Vol.	0.160	0.265		0.160		0.585
7	Chir	No./ha	1					1
		Vol.	0.145					0.145
8	Peepal	No./ha	2					2
		Vol.	0.283					0.283
9	Tun	No./ha	1					1
		Vol.	0.140					0.140
10	Dodi	No./ha	1					1
		Vol.	0.160					0.160
11	Charmchi	No./ha	2					2
		Vol.	0.280					0.280
12	Simal	No./ha	1					1
		Vol.	0.140					0.140
13	Babul	No./ha	6	1	2			9
		Vol.	0.930	0.200	0.710			1.840
14	Amaltas	No./ha	1					1
		Vol.	0.160					0.160
15	Neem	No./ha			1			1
		Vol.			0.550			0.550
16	Dhrek	No./ha	4					4
		Vol.	0.640					0.640
17	Jaman	No./ha		1		3	1	4
		Vol.		0.360		2.370	1.420	4.200
Total		No./ha	34	13	3	4	2	57
		Vol.	4.360	3.180	1.400	4.160	3.000	20.000 m³
Saplings		Species	Shisham	Kikar	Cardinal	Fruits	Bael	
		No./ha	3	4	5	4	3	
		Species	Charmchi	Neem	Babul	Shisham	Total	
		No./ha	4	4	5	3	No.	40

Range Forest Officer
Mansehra Forest Range
Divisional Forest Officer

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Enumeration list of green standing trees coming in the acquisition of 5MW Sumi Dam HEP in D-126, Kashot Forest Partag Beat , Baghad Block , Karsog forest range of karsog Forest Division Mandi (HP) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-126	43	1	Anjhar	31-32	III	Green standing
		2	Pachka	25-26	IV	Do
		3	Kukra	40-41	IIA	Do
		4	Jaman	47-48	IIA	Do
		5	Jaman	31-32	IV	Do
		6	Jaman	15-16	V	Do
		7	Anjhar	55-56	IA	Do
		8	Bial	55-56	IB	Do
		9	Bial	40-41	IIA	Do
		10	Bial	39-40	IIA	Do
		11	Bial	25-26	IV	Do
		12	Bial	15-16	V	Do
		13	Bial	14-15	V	Do
		14	Kalar	35-36	III	Do
		15	Tarakul	25-26	IV	Do
		16	Shisham	17-18	V	Do
		17	Kalaju	11-12	V	Do
		18	Pachka	15-16	V	Do
		19	Karshal	10-11	V	Do
		20	Ayarkash	10-11	V	Do
		21	Kalaw	18-19	V	Do
		22	Kalaw	15-16	V	Do

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ABSTRACT

Sr No	Species		Class V (vol in m^3)	Class IV (Vol-M^3)	Class III (Vol-M^3)	Class IIA (Vol-M^3)	Total (Vol-M^3)
1	Anjan	Nos.			1	1	2
		Vol.			0.750	1.360	2.090
2	Pachia	Nos.	1	1			2
		Vol.	0.150	0.260			0.400
3	Kalam	Nos.	2		1	1	4
		Vol.	0.200		0.750	1.360	2.350
4	Jamun	Nos.	1	1		1	3
		Vol.	0.145	0.260		1.360	1.760
5	Sisl	Nos.	2	1	2	1	6
		Vol.	0.300	0.260	1.460	1.360	1.360
6	Tanbal	Nos.		1			1
		Vol.		0.260			0.260
7	Motrah	Nos.	1				1
		Vol.	0.140				0.140
8	Bahga	Nos.	1				1
		Vol.	0.140				0.140
9	Amaltash	Nos.	1				1
		Vol.	0.140				0.140
10	Kanthal	Nos.	1				1
		Vol.	0.140				0.140
Total		Nos.	10	4	4	4	22
		Vol.	1.400	1.040	2.920	5.440	10.800 m^3

Sapling	Sp.	Tendu	Pachia	Amaltash	Jamun	Total
	Nos.	4	5	1	5	15

Range Forest Officer
Kanha Forest Range
Distt. Mandla (M.P.)

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Enumeration list of green standing trees coming in the expansion of SJVN Sunni Dam HEP in D-131 Parnot Forest Parlog Beat , Bagshad Block ,Karsog forest range of karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-131	122/98/1	1	Jamun	22-23	IV	Green Standing
		2	Pechka	10-11	V	Do
		3	Pechka	10-11	V	Do
		4	Amlee	31-32	III	Do
		5	Pechka	41-42	II A	Do
		6	Pechka	10-11	V	Do
		7	Pechka	11-12	V	Do
		8	Ludra	10-11	V	Do
		9	Ludra	10-11	V	Do
		10	Pechka	13-14	V	Do
		11	Amble	21-22	IV	Do
		12	Pechka	31-32	III	Do
		13	Pechka	20-21	IV	Do
		14	Pechka	15-16	III	Do
		15	Pechka	12-13	V	Do
		16	Pechka	18-19	V	Do
		17	Pechka	21-22	IV	Do
		18	Pechka	24-25	IV	Do
		19	Pechka	18-19	V	Do
		20	Pechka	10-11	V	Do
		21	Pechka	13-14	V	Do
		22	Pechka	12-13	V	Do
		23	Pechka	23-24	IV	Do
		24	Pechka	22-23	IV	Do
		25	Pechka	19-20	V	Do
		26	Pechka	10-11	V	Do
		27	Pechka	12-13	V	Do
		28	Pechka	22-23	IV	Do
		29	Pechka	24-25	IV	Do
		30	Pechka	11-12	V	Do
		31	Pechka	13-14	V	Do
		32	Pechka	14-15	V	Do
		33	Pechka	10-11	V	Do
		34	Pechka	14-15	V	Do
		35	Amaltash	11-12	V	Do
		36	Bul	30-31	III	Do
		37	Bul	41-42	II A	Do
		38	Bul	21-22	IV	Do
		39	Pechka	10-11	V	Do
		40	Pechka	12-13	V	Do
		41	Khair	10-11	V	Do
		42	Pechka	21-22	IV	Do
		43	Pechka	27-28	IV	Do
		44	Pechka	12-13	V	Do
		45	Pechka	12-13	V	Do
		46	Pechka	21-22	IV	Do
		47	Pechka	16-17	V	Do
		48	Pechka	13-14	V	Do

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ABSTRACT

Sr. No.	Species		Class						
			V (Vol. m^3)	IV (Vol. m^3)	III (Vol. m^3)	IIA (Vol. m^3)	IIB (Vol. m^3)	IA (Vol. m^3)	Total (Vol. M^3)
1	Jamun	No.		1					1
		Vol.		0.720					0.260
2	Arjun	No.			1				1
		Vol.			0.350				0.710
3	Ladies	No.	2						2
		Vol.	0.580						0.280
4	Arjun	No.		1					1
		Vol.		0.700					0.260
5	Amaltas	No.	1						1
		Vol.	0.180						0.140
6	Dhak	No.		1	1	1			3
		Vol.		0.260	0.751	1.700			2.350
7	Kadi	No.	1						1
		Vol.	0.140						0.140
8	Peelu	No.	23	11	2	1			38
		Vol.	2.500	2.800	1.402	1.700			8.920
Total		No.	29	13	4	2	1	0	49
		Vol.	4.000	3.800	2.521	2.550	0.800	0.000	13.000 M^3
Sapling		Species	Neem	Jamun	Arjun	Ghaf			
		No.	23	13	5	6			
		Species	Ghaf	Shisham	Ladies	Kikar	BAHM		
		No.	8	6	8	8	8	00	

Range Forest Officer
Kamalia Forest Range
Distt. Mianwali (M.P.)

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Enumeration list of green standing trees coming in the acquisition of 5/2/N Sumil Gas HEP in D 131 Pamat forest Paring Beat , Bagchal Block Jiamog forest range of Kiring forest Division Mandi (H.P) for the year 2018-19.

Name of Patwar	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-131	120/98/1	1	Shisham	13-14	V	Green Standing
		2	Pachhla	19-20	V	Dry
		3	Pachhla	16-17	V	Dry
		4	Pachhla	18-19	V	Dry
		5	Lasura	10-11	V	Dry
		6	Piyal	10-11	V	Dry
		7	Jamun	31-32	III	Dry
		8	Jamun	19-20	V	Dry
		9	Jamun	21-22	IV	Dry
		10	Lasura	12-13	V	Dry
		11	Pachhla	19-20	V	Dry
		12	Jamun	11-12	V	Dry
		13	Jamun	17-18	V	Dry
		14	Kainth	19-20	V	Dry
		15	Pravila	21-22	IV	Dry
		16	Pachhla	19-20	IV	Dry
		17	Kalsan	14-15	V	Dry
		18	Kalsan	18-19	V	Dry
		19	Kalsan	18-19	V	Dry
		20	Shisham	10-11	V	Dry
		21	Pachhla	23-24	IV	Dry
		22	Tun	13-14	V	Dry
		23	Hewit	18-19	V	Dry
		24	Siran	11-12	V	Dry
		25	Jiaran	25-26	IV	Dry
		26	Chail	10-11	V	Dry
		27	Lasura	10-11	V	Dry
		28	Jamun	20-21	IV	Dry
		29	Amaltash	12-13	V	Dry
		30	Amaltash	11-12	V	Dry
		31	Jamun	13-14	V	Dry
		32	Jamun	21-22	IV	Dry
		33	Kaunbal	12-13	V	Dry
		34	Pachhla	20-21	IV	Dry
		35	Pachhla	21-22	IV	Dry
		36	Dhau	22-23	IV	Dry
		37	Pachhla	14-15	V	Dry
		38	Lasura	12-13	V	Dry
		39	Lasura	10-11	V	Dry
		40	Lasura	29-30	IV	Dry
		41	Semal	36-37	III	Dry
		42	Khair	10-11	V	Dry

Name of Forest	Khasra No.	Sr. No	Species	Dia	Class	Status of Tree
		43	Tima	17-18	V	Dead
		44	Amaltas	14-15	V	Dead
		45	Kharik	11-12	V	Dead
		46	Semal	25-23	IV	Dead
		47	Kharik	11-12	V	Dead
		48	Kalsa	11-12	V	Dead
		49	Kanchal	10-11	V	Dead
		50	Kanchal	13-14	V	Dead
		51	Amaltash	15-17	V	Dead
		52	Shisham	27-28	IV	Dead
		53	Mirwah	11-12	V	Dead
		54	Bail	10-11	V	Dead
		55	Pachka	12-13	V	Dead
		56	Pachka	21-22	IV	Dead
		57	Semal	30-31	III	Dead
		58	Amaltash	18-19	V	Dead
		59	Ber	15-16	V	Dead
		60	Pachka	23-24	IV	Dead
		61	Semal	21-22	IV	Dead
		62	Semal	24-25	IV	Dead
		63	Pachka	10-11	V	Dead
		64	Semal	23-25	IV	Dead
		65	Pachka	22-23	IV	Dead
		66	Semal	34-35	IV	Dead
		67	Semal	10-11	V	Dead
		68	Kharik	13-14	V	Dead
		69	Kharik	12-13	V	Dead
		70	Kharik	15-16	V	Dead
		71	Semal	17-18	V	Dead
		72	Ledra	18-19	V	Dead
		73	Pachka	31-32	III	Dead
		74	Pachka	25-26	IV	Dead
		75	Semal	13-14	V	Dead
		76	Pachka	12-13	V	Dead
		77	Pachka	30-31	III	Dead
		78	Ledra	21-22	IV	Dead
		79	Pachka	16-17	V	Dead
		80	Pathan	21-22	IV	Dead
		81	Pachka	16-17	V	Dead
		82	Semal	25-26	IV	Dead
		83	Pachka	16-18	V	Dead
		84	Ledra	12-13	V	Dead
		85	Pachka	14-15	V	Dead
		86	Pachka	12-13	V	Dead
		87	Pachka	22-23	IV	Dead
		88	Jhinjha	29-30	IV	Dead

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		89	Kahar	18-19	V	Dr
		90	Pachla	18-19	V	Dr
		91	Pachla	33-34	III	Dr
		92	Pachla	19-20	V	Dr
		93	Pachla	18-19	V	Dr
		94	Pachla	17-18	V	Dr
		95	Pachla	21-22	IV	Dr
		96	Amaltash	12-13	V	Dr
		97	Pachla	21-22	IV	Dr
		98	Kahar	18-19	V	Dr
		99	Bad	28-29	IV	Dr
		100	Bad	18-19	V	Dr
		101	Pachla	19-20	V	Dr
		102	Pachla	18-19	V	Dr
		103	Bad	31-32	III	Dr
		104	Ledra	13-14	V	Dr
		105	Bad	38-39	III	Dr
		106	Bad	31-32	III	Dr
		107	Bad	21-22	IV	Dr
		108	Kahar	21-22	IV	Dr
		109	Bad	22-23	IV	Dr
		110	Bad	40-41	II A	Dr
		111	Bad	18-19	V	Dr
		112	Bad	30-31	III	Dr
		113	Bad	34-35	III	Dr
		114	Bad	31-32	III	Dr
		115	Bad	31-32	III	Dr
		116	Bad	15-16	V	Dr
		117	Bad	48-49	II A	Dr
		118	Bad	45-46	II A	Dr
		119	Amaltash	12-13	V	Dr
		120	Lohra	25-26	IV	Dr
		121	Pachla	31-32	III	Dr
		122	Pachla	12-13	V	Dr
		123	Bad	41-42	II A	Dr
		124	Lohra	14-15	V	Dr
		125	Pachla	15-16	V	Dr
		126	Karah	11-12	V	Dr
		127	Sheesh	18-19	V	Dr
		128	Pachla	24-25	IV	Dr
		129	Pachla	18-19	V	Dr
		130	Pachla	11-12	V	Dr
		131	Pachla	14-15	V	Dr
		132	Pachla	11-12	V	Dr
		133	Pachla	19-20	V	Dr
		134	Pachla	21-22	IV	Dr

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		135	Peepla	12-13	V	Do
		136	Kikar	14-15	V	Do
		137	Kikar	11-12	V	Do
		138	Peepla	11-12	V	Do
		139	Amaltash	13-14	V	Do
		140	Peepla	22-23	IV	Do
		141	Peepla	21-22	IV	Do
		142	Peepla	21-22	IV	Do
		143	Peepla	23-24	IV	Do
		144	Peepla	23-24	IV	Do
		145	Sagun	18-19	V	Do
		146	Peepla	11-12	V	Do
		147	Leabu	10-11	V	Do
		148	Leabu	15-16	V	Do
		149	Leabu	18-19	V	Do
		150	Peepla	21-22	IV	Do
		151	Leabu	12-13	V	Do
		152	Peepla	19-20	V	Do
		153	Peepla	15-16	V	Do
		154	Kikar	12-13	V	Do
		155	Peepla	11-12	V	Do
		156	Peepla	12-13	V	Do
		157	Kikar	11-12	V	Do
		158	Peepla	10-11	V	Do
		159	Peepla	10-11	V	Do
		160	Bad	10-11	V	Do
		161	Peepla	21-22	IV	Do
		162	Amaltash	14-15	V	Do
		163	Kikar	18-19	V	Do
		164	Leabu	12-13	V	Do
		165	Sagun	24-25	IV	Do
		166	Kikar	21-22	IV	Do
		167	Peepla	11-12	V	Do
		168	Leabu	10-11	V	Do
		169	Amaltash	12-13	V	Do
		170	Amaltash	12-13	V	Do
		171	Amaltash	11-12	V	Do
		172	Peepla	21-22	IV	Do
		173	Peepla	15-16	V	Do
		174	Leabu	11-12	V	Do
		175	Peepla	15-16	V	Do
		176	Leabu	12-13	V	Do
		177	Sagun	15-16	V	Do
		178	Peepla	17-18	V	Do
		179	Peepla	21-22	IV	Do
		180	Peepla	15-16	V	Do

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Name of Town	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		181	Pechha	15-16	V	Do
		182	Pechha	10-11	V	Do
		183	Khair	17-18	V	Do
		184	Khair	24-25	IV	Do
		185	Amaltash	11-12	V	Do
		186	Pechha	14-15	V	Do
		187	Pachha	15-16	V	Do
		188	Peepla	12-13	V	Do
		189	Pakha	13-14	V	Do
		190	Pechha	19-20	V	Do
		191	Pachha	17-18	V	Do
		192	Pachha	15-16	V	Do
		193	Pachha	13-14	V	Do
		194	Pechha	21-22	IV	Do
		195	Bad	10-11	V	Do
		196	Bad	12-13	V	Do
		197	Bad	11-12	V	Do
		198	Bad	14-15	V	Do
		199	Peepla	18-19	V	Do
		200	Lasha	21-22	IV	Do
		201	Lasha	15-16	V	Do
		202	Pakha	11-12	V	Do
		203	Pechha	13-14	V	Do
		204	Pechha	21-22	IV	Do
		205	Khair	34-35	IV	Do
		206	Bad	12-13	V	Do
		207	Bad	14-15	V	Do
		208	Bad	14-15	V	Do
		209	Bad	15-16	V	Do
		210	Bad	18-19	V	Do
		211	Pachha	12-13	V	Do
		212	Pechha	14-15	V	Do
		213	Pachha	11-12	V	Do
		214	Pachha	12-13	V	Do
		215	Pachha	15-16	V	Do
		216	Pechha	12-13	V	Do
		217	Pechha	41-42	II A	Do
		218	Pechha	14-15	V	Do
		219	Pechha	17-18	V	Do
		220	Kanga	38-41	V	Do
		221	Lasha	12-13	V	Do
		222	Pachha	11-12	V	Do
		223	Khasha	10-11	V	Do
		224	Pechha	32-33	III	Do
		225	Pachha	31-32	III	Do
		226	Kharik	11-12	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		227	Pachka	23-26	IV	Dry
		228	Pachka	21-22	IV	Dry
		229	Pachka	32-33	III	Dry
		230	Pachka	11-12	V	Dry
		231	Pachka	11-12	V	Dry
		232	Pachka	22-23	IV	Dry
		233	Khair	10-11	V	Dry
		234	Pachka	12-13	V	Dry
		235	Pachka	24-25	IV	Dry
		236	Pachka	11-12	V	Dry
		237	Pachka	10-11	V	Dry
		238	Pachka	14-15	V	Dry
		239	Pachka	19-20	V	Dry
		240	Pachka	12-13	V	Dry
		241	Pachka	32-33	III	Dry
		242	Pachka	15-16	V	Dry
		243	Pachka	17-18	V	Dry
		244	Khair	10-11	V	Dry
		245	Pachka	23-24	IV	Dry
		246	Amaltash	10-11	V	Dry
		247	Kharik	15-16	V	Dry
		248	Ludra	12-13	V	Dry
		249	Ludra	12-13	V	Dry
		250	Ludra	11-12	V	Dry
		251	Pachka	12-13	V	Dry
		252	Pachka	18-19	V	Dry
		253	Pachka	26-27	IV	Dry
		254	Ludra	19-20	V	Dry
		255	Bhal	11-12	V	Dry
		256	Bhal	22-23	IV	Dry
		257	Bhal	35-36	III	Dry
		258	Bhal	13-14	V	Dry
		259	Bhal	15-16	V	Dry
		260	Bhal	17-18	V	Dry
		261	Bhal	12-13	V	Dry
		262	Pachka	14-15	V	Dry
		263	Pachka	34-35	IV	Dry
		264	Pachka	10-11	V	Dry
		265	Pachka	11-12	V	Dry
		266	Pachka	10-11	V	Dry
		267	Pachka	12-13	V	Dry
		268	Pachka	23-24	IV	Dry
		269	Pachka	21-22	IV	Dry
		270	Pachka	16-17	IV	Dry
		271	Pachka	11-12	V	Dry
		272	Pachka	13-14	V	Dry

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		275	Pedda	16-17	IV	Do
		274	Pedda	20-21	IV	Do
		275	Pedda	18-19	V	Do
		276	Pedda	10-11	V	Do
		277	Khair	21-22	IV	Do
		278	Pedda	14-15	V	Do
		279	Pedda	16-19	V	Do
		280	Pedda	12-13	V	Do
		281	Amaltas	12-13	V	Do
		282	Khair	12-13	V	Do
		283	Pedda	13-14	V	Do
		284	Pedda	13-14	V	Do
		285	Pedda	15-16	V	Do
		286	Pedda	22 23	IV	Do
		287	Pedda	23-24	IV	Do

Sr. No	Species		Class							
			V (m^3)	IV (m^3)	III (m^3)	IIA (m^3)	IIB (m^3)	IA (m^3)	IB (m^3)	Total (m^3)
1	Shisham	Nos	2	1						3
		Vol	0.281	0.265						0.546
2	Pitchka	Nos	85	41	9	1				136
		Vol	15.468	05.605	3.88	4.360				38.709
3	Lolia	Nos	5	8						27
		Vol	3.230	1.048						4.288
4	Pipal	Nos	1							1
		Vol	0.140							0.140
5	Jaman	Nos	4	5	1					10
		Vol	2.840	0.798	0.230					3.870
6	Kikar	Nos	10	1						11
		Vol	1.400	0.260						1.660
7	Toot	Nos	1							1
		Vol	0.140							0.140
8	Bhoul	Nos	1							1
		Vol	0.140							0.140
9	Sanan	Nos	5	6	7					19
		Vol	2.750	2.000	1.498					4.248
10	Ghaii	Nos	1							1
		Vol	0.140							0.140
11	Amaltas	Nos	15							15
		Vol	2.196							2.196
12	Kayeel	Nos	3							3
		Vol	0.420							0.420
13	Dhau	Nos	1	2						3
		Vol	0.140	0.260						0.400
14	Khair	Nos	9							9
		Vol	1.260							1.260
15	Mewa	Nos	1							1
		Vol	0.140							0.140
16	Ghia	Nos	9	9						18
		Vol	0.840	1.099						1.999
17	Bair	Nos	15	4	6	4				29
		Vol	2.100	1.043	0.840	0.560				4.543
18	Jhir	Nos	1							1
		Vol	0.140							0.140
19	Sorah	Nos	3							3
		Vol	0.420							0.980
20	Kunjo	Nos	1							1
		Vol	0.140							0.140
Total		Nos	196	87	29	5	1	1	0	287
		Vol	37.449	17.429	13.879	6.850	0.889	0.000	0.000	65.536 M^3
Sapling		Species	Pitchka	Ghaii	Kikar	Amaltas	Bhoul	Toot	Shisham	
		No.	29	20	13	37	28	8	33	
		Species	Kunjo	Bair	Dhaman	Kachnar	Shir	Amaltas	Arjuna	
		No.	6	9	14	11	1	19	9	
		Species	Khair	Ghaii	Khair					
		No.	21	9	Bair	150				

Range Forest Officer
Kansbag Forest Range
Distt. Mandi (H.P.)

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in D-134 Magar Forest Perlog Beat , Baghad Block , Karsog forest range of karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-134	182/1/1	1	Pechla	21-22	IV	Green Standing
		2	Pechla	10-11	V	Do
		3	Kharsu	16-17	V	Do
		4	Pechla	19-20	V	Do
		5	Pechla	15-16	V	Do
		6	Pechla	24-25	IV	Do
		7	Pechla	25-26	IV	Do
		8	Bael	29-30	III	Do
		9	Bael	16-17	V	Do
		10	Bael	51-52	II A	Do
		11	Bael	22-23	IV	Do
		12	Kharsu	20-21	IV	Do
		13	Pechla	25-26	IV	Do
		14	Chil	12-13	V	Do
		15	Chanwali	12-13	V	Do
		16	Kharsu	12-13	V	Do
		17	Pechla	11-12	V	Do
		18	Pechla	15-16	V	Do
		19	Jamun	31-32	III	Do
		20	Jamun	41-42	II A	Do
		21	Pechla	11-12	V	Do
		22	Pechla	10-11	V	Do
		23	Sanan	15-16	V	Do
		24	Pechla	12-13	V	Do
		25	Pechla	13-14	V	Do
		26	Pechla	24-25	IV	Do
		27	Pechla	14-15	V	Do
		28	Pechla	35-36	III	Do
		29	Amaltash	22-23	IV	Do
		30	Pechla	13-14	V	Do
		31	Pechla	27-28	IV	Do
		32	Pechla	12-13	V	Do
		33	Pechla	14-15	V	Do
		34	Bael	27-28	IV	Do
		35	Bael	13-14	V	Do
		36	Bael	17-18	V	Do
		37	Bael	24-25	III	Do
		38	Bael	15-16	V	Do
		39	Semal	16-19	V	Do
		40	Kharsu	11-12	V	Do
		41	Pechla	12-13	V	Do
		42	Pechla	12-13	V	Do
		43	Pechla	23-24	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		44	Pechha	10-11	V	Do
		45	Pechha	10-11	V	Do
		46	Pechha	12-13	V	Do
		47	Pechha	12-13	V	Do
		48	Pechha	27-28	IV	Do
		49	Pechha	22-23	IV	Do
		50	Pechha	35-36	III	Do
		51	Khirni	12-13	V	Do
		52	Pechha	14-15	V	Do
		53	Khirni	11-12	V	Do
		54	Phua	10-11	V	Do
		55	Pechha	20-21	IV	Do
		56	Pechha	19-20	V	Do
		57	Pechha	24-25	IV	Do
		58	Pechha	20-21	IV	Do
		59	Chamrunda	12-13	V	Do
		60	Chamrunda	12-13	V	Do
		61	Sheesham	18-19	V	Do
		62	Seesam	10-11	V	Do
		63	Pechha	16-17	V	Do
		64	Pechha	10-11	V	Do
		65	Pechha	25-26	IV	Do
		66	Pechha	32-33	III	Do
		67	Pechha	38-39	III	Do
		68	Pechha	42-43	II A	Do
		69	Kharla	14-15	IV	Do
		70	Bael	41-42	II A	Do
		71	Pechha	10-11	V	Do
		72	Kharla	11-12	V	Do
		73	Kharla	11-12	V	Do
		74	Seesam	15-16	V	Do
		75	Acaadkash	14-15	V	Do
		76	Seesam	12-13	V	Do
		77	Pechha	22-23	IV	Do
		78	Bael	51-52	II B	Do
		79	Pechha	12-13	V	Do
		80	Bakyn	14-15	V	Do
		81	Pechha	15-16	V	Do
		82	Kharla	14-15	V	Do
		83	Khair	17-18	V	Do
		84	Pechha	11-12	V	Do
		85	Kharla	10-11	V	Do
		86	Pechha	15-16	V	Do
		87	Pechha	13-14	V	Do
		88	Pechha	15-16	V	Do
		89	Pechha	21-22	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		90	Amaltash	27-28	IV	Do
		91	Pechka	20-21	IV	Do
		92	Pechka	28-29	IV	Do
		93	Pechka	18-19	V	Do
		94	Kharik	14-15	V	Do
		95	Kharik	12-13	V	Do
		96	Pechka	15-16	V	Do
		97	Lasura	14-15	V	Do
		98	Pechka	13-14	V	Do
		99	Khair	17-18	V	Do
		100	Pechka	12-13	V	Do
		101	Pechka	14-15	V	Do
		102	Kharik	11-12	V	Do
		103	Kharik	12-13	V	Do
		104	Kharik	17-18	V	Do
		105	Pechka	15-16	V	Do
		106	Pechka	17-18	V	Do
		107	Pechka	15-16	V	Do
		108	Kharik	13-14	V	Do
		109	Khair	22-23	IV	Do
		110	Pechka	10-11	V	Do
		111	Pechka	12-13	V	Do
		112	Kanchal	13-14	V	Do
		113	Pechka	18-19	V	Do
		114	Khair	12-13	V	Do
		115	Pechka	11-12	V	Do
		116	Khair	14-15	V	Do
		117	Kanchal	10-11	V	Do
		118	Pechka	12-13	V	Do
		119	Pechka	10-11	V	Do
		120	Pechka	17-18	V	Do
		121	Pechka	18-19	V	Do
		122	Kharik	11-12	V	Do
		123	Lasura	22-23	IV	Do
		124	Lasura	14-15	V	Do
		125	Pechka	15-16	V	Do
		126	Jamun	25-26	IV	Do
		127	Pechka	18-19	V	Do
		128	Pechka	33-34	III	Do
		129	Dhau	42-43	V	Do
		130	Pechka	25-26	IV	Do
		131	Pechka	19-20	V	Do
		132	Bael	18-19	V	Do
		133	Pechka	26-27	IV	Do
		134	Lasura	12-13	V	Do
		135	Amaltash	14-15	V	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		136	Pechha	28-29	IV	Do
		137	Kharla	10-11	V	Do
		138	Peehma	25-26	IV	Do
		139	Saaan	26-27	IV	Do
		140	Kharla	11-12	V	Do
		141	Kharla	11-12	V	Do
		142	Lachra	13-14	V	Do
		143	Kharla	14-15	V	Do
		144	Ladra	11-12	V	Do
		145	Ladra	17-18	V	Do
		146	Khair	11-12	V	Do
		147	Kharla	19-20	V	Do
		148	Amaltash	13-13	V	Do
		149	Khair	18-19	V	Do
		150	Aamltash	12-13	V	Do
		151	Pechha	30-31	III	Do
		152	Jamun	63-64	IA	Do
		153	Jamun	65-66	IA	Do
		154	Jamun	51-52	IB	Do
		155	Kharla	13-14	V	Do
		156	Kaan	20-21	IV	Do
		157	Amaltash	11-12	V	Do
		158	Khair	13-14	V	Do
		159	Kharla	11-12	V	Do
		160	Khair	11-12	V	Do
		161	Khair	17-18	V	Do
		162	Kharla	11-12	V	Do
		163	Khair	27-28	IV	Do
		164	Khair	15-16	V	Do
		165	Khair	11-12	V	Do
		166	Kharla	15-16	V	Do
		167	Khair	12-13	V	Do
		168	Kharla	10-11	V	Do
		169	Pechaa	18-19	V	Do
		170	Rod	36-37	III	Do
		171	Jamun	61-62	IA	Do
		172	Rod	61-62	IA	Do
		173	Pechha	17-18	V	Do
		174	Pechha	14-15	V	Do
		175	Pechha	14-15	V	Do
		176	Amaltash	15-16	V	Do
		177	Pechha	10-11	V	Do
		178	Khair	15-16	V	Do
		179	Pechha	13-14	V	Do
		180	Pechha	15-16	V	Do
		181	Kharla	10-11	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		182	Pechla	19-20	V	Do
		183	Pechla	20-21	IV	Do
		184	Khair	12-13	V	Do
		185	Pechla	16-17	V	Do
		186	Khair	17-18	V	Do
		187	Amiltah	11-12	V	Do
		188	Beel	14-15	V	Do
		189	Bael	18-19	V	Do
		190	Pechla	15-16	V	Do
		191	Pechla	13-14	V	Do
		192	Amaltash	14-15	V	Do
		193	Khair	18-19	V	Do
		194	Pechla	17-18	V	Do
		195	Pechla	15-16	V	Do
		196	Pechla	26-27	IV	Do
		197	Chamrola	26-27	IV	Do
		198	Chamrola	10-11	V	Do
		199	Kharik	11-12	V	Do
		200	Pechla	19-20	V	Do
		201	Siman	15-16	V	Do
		202	Kharik	12-13	V	Do
		203	Amaltash	13-14	V	Do
		204	Amaltash	14-15	V	Do
		205	Kharik	13-16	V	Do
		206	Kharik	11-12	V	Do
		207	Khair	24-25	IV	Do
		208	Kharik	14-15	V	Do
		209	Kharik	15-16	V	Do
		210	Siman	14-15	V	Do
		211	Pechla	11-12	V	Do
		212	Pechla	14-15	V	Do
		213	Khair	17-18	V	Do
		214	Khair	11-12	V	Do
		215	Pechla	27-28	IV	Do
		216	Pechla	14-15	V	Do
		217	Khair	26-27	IV	Do
		218	Pechla	13-14	V	Do
		219	Pechla	16-17	V	Do
		220	Pechla	37-38	III	Do
		221	Pechla	10-11	V	Do
		222	Pechla	10-11	V	Do
		223	Khair	10-11	V	Do
		224	Bael	12-13	V	Do
		225	Pechla	13-14	V	Do
		226	Pechla	30-31	III	Do
		227	Pechla	14-15	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		228	Pechka	12-13	V	Do
		229	Khair	14-15	V	Do
		230	Khaira	12-13	V	Do
		231	Pedkia	10-11	V	Do
		232	Pedkia	11-12	V	Do
		233	Khaira	10-11	V	Do
		234	Pedkia	12-13	V	Do
		235	Khaira	10-11	V	Do
		236	Khair	21-22	IV	Do
		237	Bad	12-13	V	Do
		238	Pechka	11-12	V	Do
		239	Khaira	14-15	V	Do
		240	Khaira	13-13	V	Do
		241	Khaira	13-14	V	Do
		242	Ambla	11-12	V	Do
		243	Khaira	11-12	V	Do
		244	Khair	18-19	V	Do
		245	Khaira	12-13	V	Do
		246	Pechka	10-11	V	Do
		247	Pechka	12-13	V	Do
		248	Pechka	11-12	V	Do
		249	Ambla	13-14	V	Do
		250	Amla	16-17	V	Do
		251	Pedkia	12-13	V	Do
		252	Pechka	14-15	V	Do
		253	Pechka	15-17	V	Do
		254	Khaira	17-18	V	Do
		255	Pechka	19-20	V	Do
		256	Kair	19-20	V	Do
		257	Khair	29-30	IV	Do
		258	Khair	22-23	IV	Do
		259	Pechka	19-20	V	Do
		260	Khair	20-21	IV	Do
		261	Khair	11-12	V	Do
		262	Amaltash	10-11	V	Do
		263	Thor	15-16	V	Do
		264	Thor	11-12	V	Do
		265	Khaira	11-12	V	Do
		266	Pechka	11-12	V	Do
		267	Khair	26-27	IV	Do
		268	Chamrola	11-12	V	Do
		269	Pechka	22-23	IV	Do
		270	Pechka	10-11	V	Do
		271	Bad	36-39	III	Do
		272	Bad	35-36	III	Do
		273	Khair	13-14	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		274	Pechkai	15-16	V	Do
		275	Pechkai	13-14	V	Do
		276	Pechkai	12-13	V	Do
		277	Pechkai	20-21	IV	Do
		278	Pechkai	15-16	V	Do
		279	Khejri	10-11	V	Do
		280	Pechkai	17-18	V	Do
		281	Khejri	10-11	V	Do
		282	Sisam	13-14	V	Do
		283	Sisam	12-13	V	Do
		284	Sisam	10-11	V	Do
		285	Khjri	12-13	V	Do
		286	Amaltas	13-14	V	Do
		287	Thua	18-19	V	Do
		288	Pechkai	11-12	V	Do
		289	Sisam	33-36	III	Do
		290	Pechkai	10-11	V	Do
		291	Pechkai	18-19	V	Do
		292	Pechkai	17-18	V	Do
		293	Pechkai	33-34	III	Do
		294	Pechkai	15-16	V	Do
		295	Amaltash	10-11	V	Do
		296	Pechkai	12-13	V	Do
		297	Pechkai	13-14	V	Do
		298	Pechkai	10-11	V	Do
		299	Pechkai	11-12	V	Do
		300	Pechkai	10-11	V	Do
		301	Pechkai	18-19	V	Do
		302	Pechkai	15-16	V	Do
		303	Pechkai	11-12	V	Do
		304	Pechkai	11-12	V	Do
		305	Pechkai	11-12	V	Do
		306	Khejri	18-19	V	Do
		307	Amaltash	10-11	V	Do
		308	Pechkai	11-12	V	Do
		309	Pechkai	12-13	V	Do
		310	Pechkai	10-11	V	Do
		311	Pechkai	19-20	V	Do
		312	Pechkai	16-17	V	Do
		313	Pechkai	13-14	V	Do
		314	Pechkai	12-13	V	Do
		315	Pechkai	11-12	V	Do
		316	Pechkai	10-11	V	Do
		317	Pechkai	10-11	V	Do
		318	Pechkai	10-11	V	Do
		319	Khejri	12-13	V	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		320	Pechha	12-14	V	Do
		321	Khoh	15-16	V	Do
		322	Khoh	10-11	V	Do
		323	Thor	12-13	V	Do
		324	Khair	18-19	V	Do
		325	Pechha	14-15	V	Do
		326	Pechha	17-18	V	Do
		327	Amaltash	10-11	V	Do
		328	Pechha	13-14	V	Do
		329	Lodra	17-18	V	Do
		330	Pechha	26-27	IV	Do
		331	Pechha	19-20	V	Do
		332	Pechha	25-27	IV	Do
		333	Pechha	19-20	V	Do
		334	Pechha	11-12	V	Do
		335	Pechha	20-21	IV	Do
		336	Khair	18-19	V	Do
		337	Amlia	15-16	V	Do
		338	Khair	14-15	V	Do
		339	Khair	15-16	V	Do
		340	Kharin	13-14	V	Do
		341	Pechha	15-16	V	Do
		342	Pechha	13-16	V	Do
		343	Kharin	11-12	V	Do
		344	Kharin	13-13	V	Do
		345	Pechha	29-30	IV	Do
		346	Pechha	21-22	IV	Do
		347	Pechha	21-22	IV	Do
		348	Pechha	17-18	V	Do
		349	Amaltash	20-21	IV	Do
		350	Pechha	12-13	V	Do
		351	Khair	12-13	V	Do
		352	Pechha	11-12	V	Do
		353	Pechha	12-13	V	Do
		354	Pechha	12-13	V	Do
		355	Pechha	16-17	V	Do
		356	Bael	26-27	IV	Do
		357	Bael	18-19	V	Do
		358	Bael	20-24	IV	Do
		359	Bael	22-23	IV	Do
		360	Pechha	21-22	IV	Do
		361	Pechha	23-22	IV	Do
		362	Amaltash	13-14	V	Do
		363	Semm	10-11	V	Do
		364	Amaltash	12-13	V	Do
		365	Pechha	17-18	V	Do

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Name of Parent	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		366	Semal	23-24	IV	Do
		367	Bad	62-63	I A	Do
		368	Bad	40-43	II A	Do
		369	Pechka	14-15	V	Do
		370	Pechka	12-13	V	Do
		371	Semal	13-14	V	Do
		372	Semal	10-11	V	Do
		373	Bad	31-32	III	Do
		374	Pechka	32-33	III	Do
		375	Pechka	19-20	V	Do
		376	Pechka	10-11	V	Do
		377	Pechka	14-15	V	Do
		378	Pechka	12-13	V	Do
		379	Pechka	11-12	V	Do
		380	Pechka	13-14	V	Do
		381	Pechka	15-16	V	Do
		382	Pechka	10-11	V	Do
		383	Pechka	17-18	V	Do
		384	Khair	19-20	V	Do
		385	Kakar	12-13	V	Do
		386	Pechka	14-15	V	Do
		387	Pechka	17-18	V	Do
		388	Kakar	15-16	V	Do
		389	Chamrosha	14-15	V	Do
		390	Semal	15-16	V	Do
		391	Semal	15-16	V	Do
		392	Semal	21-22	IV	Do
		393	Pechka	10-11	V	Do
		394	Pechka	21-22	IV	Do
		395	Semal	10-11	V	Do
		396	Kakar	21-22	IV	Do
		397	Pechka	10-11	V	Do
		398	Semal	21-22	IV	Do
		399	Pechka	10-11	V	Do
		400	Amaltash	14-15	V	Do
		401	Pechka	10-11	V	Do
		402	Kharin	11-12	V	Do
		403	Pechka	11-12	V	Do
		404	Amaltash	15-16	V	Do
		405	Pechka	22-23	IV	Do
		406	Pechka	10-11	V	Do
		407	Pechka	10-11	V	Do
		408	Lasura	11-12	V	Do
		409	Pechka	13-14	V	Do
		410	Pechka	11-12	V	Do
		411	Pechka	10-11	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		412	Amaltash	14-15	V	Do
		413	Ber	14-15	V	Do
		414	Pechha	11-12	V	Do
		415	Pechha	12-13	V	Do
		416	Kharik	12-13	V	Do
		417	Pechha	10-11	V	Do
		418	Siren	23-24	IV	Do
		419	Pechha	10-11	V	Do
		420	Pechha	14-15	V	Do
		421	Pechha	14-15	V	Do
		422	Pechha	14-15	V	Do
		423	Khair	11-12	V	Do
		424	Pechha	11-12	V	Do
		425	Pechha	16-17	V	Do
		426	Lohia	21-22	IV	Do
		427	Lohia	15-16	V	Do
		428	Khair	14-15	V	Do
		429	Lohia	13-13	V	Do
		430	Pechha	13-13	V	Do
		431	Pechha	10-11	V	Do
		432	Lohia	17-18	V	Do
		433	Pechha	13-13	V	Do
		434	Pechha	10-11	V	Do
		435	Pechha	21-22	IV	Do
		436	Khaira	11-12	V	Do
		437	Pechha	14-15	V	Do
		438	Lohia	10-11	V	Do
		439	Pechha	10-11	V	Do
		440	Pechha	25-26	IV	Do
		441	Ber	10-11	V	Do
		442	Khair	11-12	V	Do
		443	Pechha	10-11	V	Do
		444	Khair	10-11	V	Do
		445	Pechha	12-13	V	Do
		446	Pechha	13-14	V	Do
		447	Pechha	15-16	V	Do
		448	Khair	10-11	V	Do
		449	Khair	12-13	V	Do
		450	Khair	12-13	V	Do
		451	Khair	13-14	V	Do
		452	Khair	12-13	V	Do
		453	Pechha	12-13	V	Do
		454	Pechha	13-14	V	Do
		455	Pechha	20-21	IV	Do
		456	Pechha	22-23	IV	Do
		457	Pechha	12-13	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		458	Semar	35-36	III	Dc
		459	Bad	39-40	III	Dc
		460	Bad	45-46	II A	Do
		461	Bad	14-15	V	Dc
		462	Kakar	12-13	V	Do
		463	Pechka	12-13	V	Do
		464	Bad	19-20	V	Do
		465	Pechka	18-19	V	Do
		466	Kakar	19-20	V	Do
		467	Kakar	15-16	V	Do
		468	Bad	30-31	III	Do
		469	Khak	11-12	V	Do
		470	Bad	21-22	IV	Do
		471	Bad	15-16	V	Do
		472	Pechka	13-14	V	Do
		473	Kharka	11-12	V	Do
		474	Tima	14-15	V	Do
		475	Ber	15-16	V	Do
		476	Pechka	12-13	V	Do
		477	Kharka	14-15	V	Do
		478	Kikar	18-19	V	Do
		479	Kharka	20-21	IV	Do
		480	Kharka	12-13	V	Do
		481	Pechka	17-18	V	Do
		482	Pechka	18-19	V	Do
		483	Kikar	21-22	IV	Do
		484	Bael	15-16	V	Do
		485	Pechka	12-13	V	Do
		486	Pechka	11-12	V	Do
		487	Pechka	12-13	V	Do
		488	Lohja	11-12	V	Do
		489	Pechka	21-22	IV	Do
		490	Pechka	41-42	II A	Do
		491	Bad	19-20	V	Do
		492	Bael	18-19	V	Do
		493	Bael	31-32	III	Do
		494	Bael	12-13	V	Do
		495	Bael	12-13	V	Do
		496	Bael	12-13	V	Do
		497	Bael	10-11	V	Do
		498	Amaltash	17-18	V	Do
		499	Pechka	15-16	V	Do
		500	Pechka	16-17	V	Do
		501	Pechka	23-24	IV	Do
		502	Pechka	10-11	V	Do
		503	Pechka	10-11	V	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		504	Pachka	10-11	V	Do
		505	Pachka	15-16	V	Do
		506	Kakar	16-17	V	Do
		507	Kanker	15-16	V	Do
		508	Anjhir	16-17	V	Do
		509	Kher	17-18	V	Do
		510	Anjhir	10-11	V	Do
		511	Anjhir	10-11	V	Do
		513	Pachka	35-36	II	Do
		513	Pachka	30-31	IV	Do
		514	Tiau	21-22	IV	Do
		515	Saun	12-13	V	Do
		516	Pachka	18-19	V	Do
		517	Pachka	21-22	IV	Do
		518	Pachka	20-21	IV	Do
		519	Pachka	20-21	IV	Do
		520	Pachka	21-22	IV	Do
		521	Amaltash	21-22	IV	Do
		522	Amaltash	18-19	V	Do
		523	Pachka	37-38	II	Do
		524	Pachka	46-47	II A	Do
		525	Pachka	37-38	II	Do
		526	Pachka	25-26	IV	Do
		527	Pachka	10-11	V	Do
		528	Bael	15-16	V	Do
		529	Bael	26-27	IV	Do
		530	Ludia	11-12	V	Do
		531	Khair	21-22	IV	Do
		532	Pachka	11-12	V	Do
		533	Pachka	11-12	V	Do
		534	Pachka	14-15	V	Do
		535	Pachka	11-12	V	Do
		536	Kachnar	14-15	V	Do
		537	Pachka	25-26	IV	Do
		538	Pachka	10-11	V	Do
		539	Kher	18-19	V	Do
		540	Bael	36-37	II	Do
		541	Amaltash	13-14	V	Do
		542	Amaltash	11-12	V	Do
		543	Saun	15-16	V	Do
		544	Pachka	14-15	V	Do
		545	Bael	12-13	V	Do
		546	Kakar	11-12	V	Do
		547	Khaira	14-15	V	Do
		548	Kakar	15-16	V	Do
		549	Khaira	12-13	V	Do

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Name of Forest	Khatra No.	Sr No	Species	Dia	Class	Status of Tree
		550	Khatta	14-15	V	Do
		551	Khair	21-22	IV	Do
		552	Bael	35-36	III	Do
		553	Pechha	15-16	V	Do
		554	Pechha	13-14	V	Do
		555	Pechha	18-19	V	Do
		556	Pechha	16-17	V	Do
		557	Pechha	15-16	V	Do
		558	Pechha	19-20	V	Do
		559	Pechha	30-31	III	Do
		560	Pechha	22-23	IV	Do
		561	Khair	12-13	V	Do
		562	Pechha	21-22	IV	Do
		563	Pechha	14-15	V	Do
		564	Pechha	11-12	V	Do
		565	Kachnar	11-12	V	Do
		566	Kachnar	11-12	V	Do
		567	Pechha	11-12	V	Do
		568	Pechha	12-13	V	Do
		569	Pechha	27-28	IV	Do
		570	Pechha	15-16	V	Do
		571	Pechha	25-26	IV	Do
		572	Pechha	11-12	V	Do
		573	Amla	10-11	V	Do
		574	Pechha	27-28	IV	Do
		575	Amaltash	10-11	V	Do
		576	Pechha	19-20	V	Do
		577	Pechha	17-18	V	Do
		578	Bael	10-11	V	Do
		579	Bael	14-15	V	Do
		580	Bael	16-17	V	Do
		581	Pechha	10-11	V	Do
		582	Pechha	15-16	V	Do
		583	Shisham	16-17	V	Do
		584	Pechha	12-13	V	Do
		585	Pechha	15-16	V	Do
		586	Pechha	19-20	V	Do
		587	Pechha	20-21	IV	Do
		588	Semal	10-11	V	Do
		589	Pechha	15-16	V	Do
		590	Pechha	25-26	IV	Do
		591	Pechha	20-21	IV	Do
		592	Pechha	28-29	IV	Do
		593	Pechha	10-11	V	Do
		594	Pechha	10-11	V	Do
		595	Semal	18-19	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		596	Pechka	12-13	V	Do
		597	Kinaham	10-11	V	Do
		598	Bej	11-12	V	Do
		599	Pechka	21-22	IV	Do
		600	Pechka	10-11	V	Do
		601	Pechka	21-22	IV	Do
		602	Pechka	28-29	IV	Do
		603	Pechka	14-15	V	Do
		604	Pechka	31-32	III	Do
		605	Bael	10-20	V	Do
		606	Bael	17-19	V	Do
		607	Bael	21-22	IV	Do
		608	Bael	15-16	V	Do
		609	Bael	18-19	V	Do
		610	Amaltash	10-11	V	Do
		611	Bael	21-22	IV	Do
		612	Pechka	12-13	V	Do
		613	Bael	21-22	IV	Do
		614	Sembhl	10-11	V	Do
		615	Bael	17-18	V	Do
		616	Pechka	21-22	IV	Do
		617	Pechka	10-11	V	Do
		618	Pechka	11-12	V	Do
		619	Pechka	11-12	V	Do
		620	Semal	21-22	IV	Do
		621	Pechka	16-17	V	Do
		622	Pechka	10-11	V	Do
		623	Khair	15-16	V	Do
		624	Pechka	24-25	IV	Do
		625	Khair	15-16	V	Do
		626	Pechka	31-32	III	Do
		627	Pechka	34-35	III	Do
		628	Bael	20-21	IV	Do
		629	Bael	25-26	IV	Do
		630	Pechka	15-16	V	Do
		631	Amaltash	12-13	V	Do
		632	Khasia	11-12	V	Do
		633	Khasia	21-22	IV	Do
		634	Pechka	25-26	IV	Do
		635	Khair	15-16	V	Do
		636	Khair	21-22	IV	Do
		637	Pechka	19-20	V	Do
		638	Khasia	12-13	V	Do
		639	Khasia	11-12	V	Do
		640	Bael	35-36	III	Do
		641	Bael	21-22	IV	Do

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Name of Forest	Khasra No.	Sr.No	Species	Dia	Class	Status of Tree
		542	Sanju	12-13	V	Do
		543	Arjhla	11-12	V	Do
		544	Pechka	15-16	V	Do
		545	Pechka	11-12	V	Do
		546	Arjhla	15-16	V	Do
		547	Pechka	12-13	V	Do
		548	Semal	13-14	V	Do
		549	Pechka	12-13	V	Do
		550	Ludra	15-16	V	Do
		551	Semal	14-15	V	Do
		552	Semal	13-14	V	Do
		553	Ludra	12-13	V	Do
		554	Khair	10-11	V	Do
		555	Semal	11-12	V	Do
		556	Amaltash	11-12	V	Do
		557	Pechka	24-25	IV	Do
		558	Pechka	12-13	V	Do
		559	Semal	13-14	V	Do
		560	Pechka	18-19	V	Do
		561	Pechka	27-28	IV	Do
		562	Ludra	12-13	V	Do
		563	Pechka	13-14	V	Do
		564	Amaltash	10-11	V	Do
		565	Pechka	18-19	V	Do
		566	Amaltash	10-11	V	Do
		567	Amaltash	11-12	V	Do
		568	Pechka	31-32	III	Do
		569	Pechka	21-22	IV	Do
		570	Khair	21-22	IV	Do
		571	Ludra	22-23	IV	Do
		572	Pechka	22-23	IV	Do
		573	Ludra	11-12	V	Do
		574	Pechka	10-11	V	Do
		575	Pechka	11-12	V	Do
		576	Pechka	10-11	V	Do
		577	Bad	19-20	V	Do
		578	Bad	21-22	IV	Do
		579	Bad	15-16	V	Do
		580	Bad	18-19	V	Do
		581	Semal	12-13	V	Do
		582	Pechka	15-16	V	Do
		583	Bad	15-16	V	Do
		584	Khair	15-16	V	Do
		585	Semal	13-14	V	Do
		586	Semal	15-16	V	Do
		587	Pechka	12-13	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		688	Sanu	11-12	V	Dr
		689	Pachka	11-12	V	Dr
		690	Bad	18-19	V	Dr
		691	Biwal	11-12	V	Dr
		692	Pachka	15-16	V	Dr
		693	Amaltash	11-12	V	Dr
		694	Chamroda	15-16	V	Dr
		695	Pachka	19-20	V	Dr
		696	Sanu	15-16	V	Dr
		697	Pachka	14-15	V	Dr
		698	Pachka	15-16	V	Dr

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ABSTRACT

Sr. No	Species		Class						
			V (Girth 60")	IV (Girth 60")	III (Girth 60")	IIA (Girth 60")	IIB (Girth 60")	IA (Girth 60")	Total (Girth 60")
1	Dahlia	No.	213	58	18	7			342
		Vol.	33.420	15.840	15.140	4.660			58.320
2	Khair	No.	10	4					67
		Vol.	0.260	1.043					9.380
3	Rui	No.	57	14	12	3	2	2	70
		Vol.	5.180	3.640	4.760	4.080	0.160	0.150	28.000
4	Cid	No.	1						1
		Vol.	0.050						0.050
5	Gurmala	No.	7	1					8
		Vol.	0.680	0.258					1.240
6	Jamun	No.		1	1	1	1	1	7
		Vol.		0.295	0.330	1.340	0.323	0.250	10.140
7	Semal	No.	37	6	4				46
		Vol.	8.820	1.503	0.710				6.510
8	Amaltash	No.	19	2					55
		Vol.	0.340	1.040					5.380
9	Chui	No.	39	15					65
		Vol.	3.020	3.460					10.980
10	Khirni	No.	4						4
		Vol.	0.360						0.360
11	Dhau	No.	4	2					8
		Vol.	0.380	0.220					1.240
12	Kalaja	No.	1						1
		Vol.	0.140						0.140
13	Ledra	No.	18	3					21
		Vol.	2.220	0.780					3.500
14	Anjhla	No.	28						28
		Vol.	1.680						3.680
15	Mahua	No.	1						1
		Vol.	0.140						0.140
16	Kusum	No.	2						2
		Vol.	0.420						0.420
17	Bael	No.	1						1
		Vol.	0.140						0.140
18	Vanbel	No.	1						1
		Vol.	0.140						0.140
19	Shisham	No.	2						2
		Vol.	0.240						0.240
20	Ber	No.	2						2
		Vol.	0.280						0.280
21	Kalsar	No.	12	3					15
		Vol.	2.880	0.260					3.940
Total		No.	854	118	51	7	3	1	658
		Vol.	74.549	38.039	26.240	9.521	4.508	10.454	153.810 m^3
Ranking		Sp.	Dahlia	Khair	Shisham	Tgal	Jamun	Semal	
		Vol.	1st	2nd	3rd	4th	5th	6th	
		Sp.	Khair	Chirmala	Amaltash	Khirni	Kalsar	Total	
		Vol.	7	8	11	10	9	57	

Range Forest Officer
Kursing Forest Range
Distt. Mandi (H.P.)

Enumeration list of green standing trees coming in the coupe/area of SDN Sawai Ram HEP in D-134 Magan Forest Purlog Beat , Baghaul Block , Karsog forest range of karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-134	179/1/1	1	Jamun	10-11	V	Green Standing
		2	Bhekhara	10-11	V	Do
		3	Sarun	12-13	V	Do
		4	Sarun	14-15	V	Do
		5	Shisham	10-11	V	Do
		6	Khakrun	14-15	V	Do
		7	Pechha	14-16	V	Do
		8	Pechha	28-29	IV	Do
		9	Pechha	30-31	III	Do
		10	Pechha	16-17	V	Do
		11	Sarun	12-13	V	Do
		12	Pechha	20-21	IV	Do
		13	Pechha	15-16	V	Do
		14	Pechha	18-19	IV	Do
		15	Pechha	11-12	V	Do
		16	Pechha	10-11	V	Do
		17	Pechha	10-11	V	Do
		18	Pechha	11-12	V	Do
		19	Pechha	10-11	V	Do
		20	Pechha	20-21	IV	Do
		21	Pechha	12-13	V	Do
		22	Pechha	11-12	V	Do
		23	Kharak	10-11	V	Do
		24	Pechha	10-11	V	Do
		25	Pechha	15-16	V	Do
		26	Pechha	15-16	V	Do
		27	Pechha	19-20	V	Do
		28	Amaltash	11-12	V	Do
		29	Arubla	11-12	V	Do
		30	Arubla	11-12	V	Do
		31	Arubla	10-11	V	Do
		32	Pechha	12-13	V	Do
		33	Pechha	12-13	V	Do
		34	Khair	10-11	V	Do
		35	Pechha	12-13	V	Do
		36	Pechha	15-16	V	Do
		37	Pechha	10-11	V	Do
		38	Panhlan	11-12	V	Do
		39	Arubla	10-11	V	Do
		40	Sarun	15-16	V	Do
		41	Pechha	18-19	V	Do
		42	Pechha	13-14	V	Do
		43	Pechha	21-22	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		44	Peepla	10-11	V	Dry
		45	Peepla	11-12	V	Dry
		46	Peepla	13-14	V	Dry
		47	Neem	10-11	V	Dry
		48	Peepla	12-13	V	Dry
		49	Peepla	22-23	IV	Dry
		50	Peepal	14-15	V	Dry
		51	Peepla	12-13	V	Dry
		52	Peepal	11-12	V	Dry
		53	Peepla	15-16	V	Dry
		54	Peepla	18-19	V	Dry
		55	Peepal	13-14	V	Dry
		56	Peepal	15-16	V	Dry
		57	Peepal	18-19	V	Dry
		58	Peepal	20-21	V	Dry
		59	Peepal	12-13	V	Dry
		60	Peepal	14-15	V	Dry
		61	Peepal	21-22	IV	Dry
		62	Peepal	15-16	V	Dry
		63	Neem	11-12	V	Dry
		64	Peepal	12-13	V	Dry
		65	Peepal	15-16	V	Dry
		66	Peepal	12-13	V	Dry
		67	Neem	14-15	V	Dry
		68	Neem	16-17	V	Dry
		69	Neem	11-12	V	Dry
		70	Peepal	21-22	IV	Dry
		71	Amla	11-12	V	Dry
		72	Amaltash	12-13	V	Dry
		73	Peepal	15-16	V	Dry
		74	Peepal	15-16	V	Dry
		75	Peepal	11-12	V	Dry
		76	Ledya	11-12	V	Dry
		77	Amaltash	13-14	V	Dry
		78	Neem	15-16	V	Dry
		79	Peepal	19-20	V	Dry
		80	Peepal	12-13	V	Dry
		81	Peepal	15-16	V	Dry
		82	Peepal	21-22	IV	Dry
		83	Amla	15-16	V	Dry
		84	Amla	11-12	V	Dry
		85	Peepal	25-26	IV	Dry
		86	Peepal	21-22	IV	Dry
		87	Peepal	18-19	V	Dry
		88	Peepal	11-12	V	Dry
		89	Peepal	25-26	IV	Dry

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		93	Amaltash	14-15	V	Dry
		94	Pecken	12-13	V	Dry
		95	Peekia	10-11	V	Dry
		96	Kadai	12-13	V	Dry
		97	Peekia	14-15	V	Dry
		98	Saaun	15-16	V	Dry
		99	Saaun	11-12	V	Dry
		100	Peekia	14-15	V	Dry
		101	Amaltash	11-12	V	Dry
		102	Peekia	22-23	IV	Dry
		103	Chair	19-20	V	Dry
		104	Peekia	11-12	V	Dry
		105	Peekia	21-22	IV	Dry
		106	Peekia	18-19	V	Dry
		107	Peekia	11-12	V	Dry
		108	Peekia	15-16	V	Dry
		109	Peekia	20-20	IV	Dry
		110	Saaun	15-16	V	Dry
		111	Amala	10-11	V	Dry
		112	Peekia	12-13	V	Dry
		113	Peekia	18-19	V	Dry
		114	Peekia	15-16	V	Dry
		115	Peekia	11-12	V	Dry
		116	Peekia	21-22	IV	Dry
		117	Peekia	25-26	IV	Dry
		118	Peekia	12-13	V	Dry
		119	Peekia	13-14	V	Dry
		119	Peekia	15-16	V	Dry
		120	Peekia	14-15	V	Dry
		121	Peekia	15-16	V	Dry
		122	Amaltash	11-12	V	Dry
		123	Bael	30-31	III	Dry
		124	Bael	25-26	IV	Dry
		125	Peekia	21-22	IV	Dry
		126	Kachnar	15-16	V	Dry
		127	Kachnar	12-13	V	Dry
		128	Saaun	17-18	V	Dry
		129	Peekia	22-23	IV	Dry
		130	Peekia	15-16	V	Dry
		131	Peekia	12-13	V	Dry
		132	Peekia	11-12	V	Dry
		133	Peekia	19-20	V	Dry
		134	Peekia	11-12	V	Dry
		135	Peekia	15-16	V	Dry

Name of Forest	Khasara No.	Ar No	Species	Dia	Class	Status of Tree
		136	Pochha	17-18	V	Da
		137	Pochha	12-13	V	Da
		138	Pochha	12-13	V	Da
		139	Pochha	11-12	V	Da
		140	Sanan	12-13	V	Da
		141	Pochha	13-14	V	Da
		142	Pochha	15-16	V	Da
		143	Sanan	17-18	V	Da
		144	Pochha	11-12	V	Da
		145	Bael	30-31	III	Da
		146	Bael	18-19	V	Da
		147	Bael	26-27	IV	Da
		148	Pochha	19-20	V	Da
		149	Pochha	21-22	IV	Da
		150	Bakayn	11-12	V	Da
		151	Jamun	30-31	III	Da
		152	Jamun	35-36	III	Da
		153	Jamun	40-41	II A	Da
		154	Amaltash	11-12	V	Da
		155	Pochha	20-21	IV	Da
		156	Pochha	35-36	III	Da
		157	Pochha	35-39	V	Da
		158	Pochha	15--16	V	Da
		159	Kattrival	11-12	V	Da
		160	Pochha	25-26	IV	Da
		161	Bael	18-19	V	Da
		162	Bael	18-19	V	Da
		163	Bael	15 -16	V	Da
		164	Bael	18-19	V	Da
		165	Bael	20-21	IV	Da
		166	Bael	12-13	V	Da
		167	Bael	16-17	V	Da
		168	Bael	15--16	V	Da
		169	Bael	19-20	V	Da
		170	Bael	20-21	IV	Da
		171	Pochha	15--16	V	Da
		172	Pochha	25-26	IV	Da
		173	Bakeya	12-13	V	Da
		174	Pochha	18-19	V	Da
		175	Kharik	11-12	V	Da
		176	Bakeya	31-32	III	Da
		177	Amaltash	11-12	V	Da
		178	Pochha	12-13	V	Da
		179	Pochha	55-56	III	Da
		180	Bael	25-26	IV	Da
		181	Pochha	35-36	III	Da

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		182	Khejra	11-12	V	Dry
		183	Peepla	30-31	III	Dry
		184	Peepla	24-25	IV	Dry
		185	Bair	16-17	V	Dry
		186	Bair	18-19	V	Dry
		187	Sarin	12-13	V	Dry
		188	Sarin	13-14	V	Dry
		189	Peepla	12-13	V	Dry
		190	Peepla	15--16	V	Dry
		191	Aonla	14-15	V	Dry
		192	Peepla	12-13	V	Dry
		193	Amaltash	14-15	V	Dry
		194	Amaltash	12-13	V	Dry
		195	Peepla	14-15	V	Dry
		196	Peepla	13-14	V	Dry
		197	Peepla	20-21	IV	Dry
		198	Peepla	24-25	IV	Dry
		199	Peepla	21-22	IV	Dry
		200	Peepla	19-20	V	Dry
		201	Peepla	12-13	V	Dry
		202	Peepla	13-14	V	Dry
		203	Peepla	16-17	V	Dry
		204	Peepla	29-30	IV	Dry
		205	Peepla	13-14	V	Dry
		206	Peepla	19-20	V	Dry
		207	Peepla	19-20	V	Dry
		208	Peepla	16-17	V	Dry
		209	Peepla	15-16	V	Dry
		210	Peepla	13-14	V	Dry
		211	Peepla	24-25	IV	Dry
		212	Peepla	20-21	IV	Dry
		213	Peepla	15-16	V	Dry
		214	Peepla	13-14	V	Dry
		215	Amaltash	14-15	V	Dry
		216	Arjhun	17-14	V	Dry
		217	Peepla	16-17	V	Dry
		218	Peepla	19-20	V	Dry
		219	Peepla	22-23	IV	Dry
		220	Peepla	24-25	IV	Dry
		221	Peepla	16-17	V	Dry
		222	Peepla	15-16	V	Dry
		223	Bair	21-22	IV	Dry
		224	Peepla	16-17	V	Dry
		225	Peepla	21-22	IV	Dry
		226	Peepla	18-19	V	Dry
		227	Jarun	21-22	IV	Dry

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		229	Kanjhal	10-11	V	Dr
		230	Kanjhal	15-16	V	Dr
		232	Jamun	19-20	V	Dr
		231	Pachka	25-26	IV	Dr
		232	Pachka	30-31	IV	Dr
		233	Amaltash	12-13	V	Dr
		234	Amaltash	11-12	V	Dr
		235	Bael	20-21	IV	Dr
		236	Bael	18-19	V	Dr
		237	Bael	21-22	IV	Dr
		238	Bael	16-17	V	Dr
		239	Bael	25-26	IV	Dr
		240	Pachka	11-12	V	Dr
		241	Pachka	11-12	V	Dr
		242	Pachka	15-16	V	Dr
		243	Bael	11-12	V	Dr
		244	Pachka	25-26	IV	Dr
		245	Pachka	11-12	V	Dr
		246	Pachka	15-16	V	Dr
		247	Pachka	30-31	III	Dr
		248	Amaltash	15-16	V	Dr
		249	Pachka	12-13	V	Dr
		250	Pachka	15-16	V	Dr
		251	Bael	40-41	II A	Dr
		252	Bael	35-36	III	Dr
		253	Bael	25-26	IV	Dr
		254	Kanjhal	10-11	V	Dr
		255	Pachka	18-19	V	Dr
		256	Amaltash	21-22	IV	Dr
		257	Pachka	12-13	V	Dr
		258	Amaltash	15-16	V	Dr
		259	Amaltash	11-12	V	Dr
		260	Amaltash	15-16	V	Dr
		261	Amaltash	12-13	V	Dr
		262	Amaltash	10-11	V	Dr
		263	Bael	23-24	IV	Dr
		264	Bael	25-26	IV	Dr
		265	Pachka	18-19	V	Dr
		266	Pachka	21-22	IV	Dr
		267	Bael	12-13	V	Dr
		268	Pachka	18-19	V	Dr
		269	Kanjhal	12-13	V	Dr
		270	Kanjhal	11-12	V	Dr
		271	Chamrola	12-13	V	Dr
		272	Jamun	18-19	V	Dr
		273	Jamun	40-41	II A	Dr

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		274	Jamun	14-15	V	Dry
		275	Amaltash	12-13	V	Dry
		276	Bael	35-36	III	Dry
		277	Bael	41-42	II A	Dry
		278	Bael	13-14	V	Dry
		279	Amaltash	10-11	V	Dry
		280	Peelkan	10-11	V	Dry
		281	Bael	11-12	V	Dry
		282	Bael	45-46	II A	Dry
		283	Bael	11-12	V	Dry
		284	Bael	14-15	V	Dry
		285	Bael	18-19	V	Dry
		286	Bael	21-22	IV	Dry
		287	Bael	23-24	IV	Dry
		288	Bael	25-26	IV	Dry
		289	Bael	16-17	V	Dry
		290	Bael	18-19	V	Dry
		291	Bael	11-12	V	Dry
		292	Amaltash	13-14	V	Dry
		293	Peelkan	20-21	V	Dry
		294	Peelkan	11-12	V	Dry
		295	Peelkan	22-23	IV	Dry
		296	Peelkan	38-39	III	Dry
		297	Peelkan	28-29	IV	Dry
		298	Peelkan	42-43	II A	Dry
		299	Peelkan	21-22	IV	Dry
		300	Peelkan	22-23	IV	Dry
		301	Bael	11-12	V	Dry
		302	Bael	21-22	IV	Dry
		303	Bael	35-36	III	Dry
		304	Bael	24-25	IV	Dry
		305	Amaltash	21-22	IV	Dry
		306	Amaltash	24-25	IV	Dry
		307	Peelkan	15-16	V	Dry
		308	Peelkan	16-17	V	Dry
		309	Bael	22-23	IV	Dry
		310	Amaltash	32-33	III	Dry
		311	Bael	11-12	V	Dry
		312	Bael	24-25	IV	Dry
		313	Bael	15-16	V	Dry
		314	Bael	17-18	V	Dry
		315	Bael	12-13	V	Dry
		316	Bael	21-22	IV	Dry
		317	Peelkan	34-35	III	Dry
		318	Amaltash	30-31	III	Dry
		319	Amaltash	12-13	V	Dry

Name of Forest	Kharura No.	Sr No	Species	Dia	Class	Status of Tree
		320	Peepla	24-25	IV	Do
		321	Peepla	12-13	V	Do
		322	Peepla	15-16	V	Do
		323	Saisam	18-19	V	Do
		324	Saisam	12-13	V	Do
		325	Peepla	17-18	V	Do
		326	Bael	31-32	III	Do
		327	Bael	17-18	V	Do
		328	Peepla	12-13	V	Do
		329	Bael	11-12	V	Do
		330	Bael	25-26	IV	Do
		331	Bael	34-35	III	Do
		332	Bael	28-29	IV	Do
		333	Peepla	19-20	V	Do
		334	Peepla	19-20	V	Do
		335	Bael	11-12	V	Do
		336	Bael	15-16	III	Do
		337	Bael	28-29	IV	Do
		338	Bael	21-22	IV	Do
		339	Kokar	28-29	IV	Do
		340	Bael	21-22	IV	Do
		341	Peepla	15-16	V	Do
		342	Simar	11-12	V	Do
		343	Peepla	28-29	IV	Do
		344	Amla	12-13	V	Do
		345	Amla	12-13	V	Do
		346	Amaltash	18-19	V	Do
		347	Pardes	33-34	III	Do
		348	Bael	47-48	II A	Do
		349	Bael	51-52	II A	Do
		350	Bael	31-32	III	Do
		351	Bael	36-37	III	Do
		352	Bael	21-22	IV	Do
		353	Bael	24-25	IV	Do
		354	Bael	25-26	IV	Do
		355	Chuli	15-16	IV	Do
		356	Kusum	11-12	V	Do
		357	Kusum	12-13	V	Do
		358	Amaltash	16-17	V	Do
		359	Amaltash	21-22	IV	Do
		360	Amaltash	11-12	V	Do
		361	Karaia	11-12	V	Do
		362	Peepla	25-26	IV	Do
		363	Chuli	12-13	V	Do
		364	Sattin	15-16	V	Do
		365	Khamar	15-16	V	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		366	Neelia	15-16	V	Do
		367	Kanthel	11-12	V	Do
		368	Neelia	15-16	V	Do
		369	Neelia	37-38	IV	Do
		370	Thuo	15-16	V	Do
		371	Lodia	12-13	V	Do
		372	Kandial	11-12	V	Do
		373	Simal	15-16	V	Do
		374	Neelia	23-24	IV	Do
		375	Neelia	19-20	V	Do
		376	Neelia	15-16	V	Do
		377	Simal	30-31	V	Do
		378	Amaltash	31-32	III	Do
		379	Neelia	25-26	IV	Do
		380	Neelia	15-16	V	Do
		381	Kaiar	35-36	III	Do
		382	Bail	20-21	IV	Do
		383	Chali	11-12	V	Do
		384	Thuo	21-22	IV	Do
		385	Bail	21-22	IV	Do
		386	Bail	26-27	IV	Do
		387	Neelia	17-18	V	Do
		388	Neelia	18-19	V	Do
		389	Neelia	11-12	V	Do
		390	Khirni	15-16	V	Do
		391	Neelia	12-13	V	Do
		392	Thuo	31-32	III	Do
		393	Khair	17-18	V	Do
		394	Thuo	21-22	IV	Do
		395	Chair	15-16	V	Do
		396	Neelia	35-36	III	Do
		397	Amaltash	25-26	IV	Do
		398	Bail	39-40	III	Do
		399	Bail	25-26	IV	Do
		400	Neelia	37-38	III	Do
		401	Neelia	37-38	III	Do
		402	Neelia	16-17	V	Do
		403	Amaltash	10-11	V	Do
		404	Amaltash	23-24	IV	Do
		405	Amaltash	10-11	V	Do
		406	Amaltash	10-11	V	Do
		407	Neelia	10-11	V	Do
		408	Neelia	24-25	IV	Do
		409	Amaltash	13-14	V	Do
		410	Amaltash	13-14	V	Do
		411	Amaltash	13-14	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		412	Amaltash	24-25	IV	Do
		413	Peedia	22-23	IV	Do
		414	Sedda	23-24	IV	Do
		415	Sedda	10-11	V	Do
		416	Sedda	16-17	V	Do
		417	Peedia	14-15	V	Do
		418	Amaltash	12-13	V	Do
		419	Sedda	24-25	IV	Do
		420	Amaltash	14-15	V	Do
		421	Leeha	12-13	V	Do
		422	Sedda	24-25	IV	Do
		423	Sedda	11-12	V	Do
		424	Amaltash	10-11	V	Do
		425	Jaul	22-23	IV	Do
		426	Jaul	28-29	V	Do
		427	Jaul	17-18	V	Do
		428	Jaman	14-15	V	Do
		429	Jaman	13-14	V	Do
		430	Amaltash	13-14	V	Do
		431	Amaltash	14-15	V	Do
		432	Khirnik	10-11	V	Do
		433	Chamrela	15-16	V	Do
		434	Jaman	48-49	II A	Do
		435	Peedia	9-20	V	Do
		436	Peedia	6-7	V	Do
		437	Kheria	14-15	V	Do
		438	Peedia	20-21	IV	Do
		439	Jaul	14-15	V	Do
		440	Jaul	16-19	V	Do
		441	Khirnia	14-15	V	Do
		442	Kheria	6-7	V	Do
		443	Jaul	33-34	III	Do
		444	Jaul	38-39	III	Do
		445	Peedia	28-29	IV	Do
		446	Jaman	17-18	V	Do
		447	Peedia	22-23	IV	Do
		448	Amaltash	28-29	IV	Do
		449	Peedia	20-21	IV	Do
		450	Peedia	18-19	V	Do
		451	Peedia	20-21	IV	Do
		452	Peedia	21-22	IV	Do
		453	Peedia	20-21	IV	Do
		454	Peedia	17-18	V	Do
		455	Sedda	21-22	IV	Do
		456	Jaman	15-16	V	Do
		457	Amaltash	17-18	V	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		458	Pechila	15-16	V	Dr
		459	Amaltash	19-20	V	Dr
		460	Amaltash	15-16	V	Dr
		461	Pechila	25-26	IV	Dr
		462	Pechila	29-30	IV	Dr
		463	Anjhla	14-15	V	Dr
		464	Anjhla	12-13	V	Dr
		465	Amaltash	11-12	V	Dr
		466	Bael	28-29	IV	Dr
		467	Sirshol	10-11	V	Dr
		468	Amaltash	12-13	V	Dr
		469	Pechila	38-39	III	Dr
		470	Pechila	12-13	V	Dr
		471	Amaltash	11-12	V	Dr
		472	Bael	28-29	IV	Dr
		473	Bael	12-13	V	Dr
		474	Kanchal	10-11	V	Dr
		475	Pechila	21-22	IV	Dr
		476	Pechila	20-21	IV	Dr
		477	Pechila	38-39	III	Dr
		478	Pechila	34-35	III	Dr
		479	Kherin	14-15	V	Dr
		480	Chamrola	10-11	V	Dr
		481	Chamrola	10-11	V	Dr
		482	Chamrola	10-11	V	Dr
		483	Kherin	12-13	V	Dr
		484	Kherin	10-11	V	Dr
		485	Kherin	11-12	V	Dr
		486	Pechila	11-12	V	Dr
		487	Amaltash	13-14	V	Dr
		488	Pechila	12-13	V	Dr
		489	Pechila	16-17	V	Dr
		490	Kherin	12-13	V	Dr
		491	Pechila	14-15	V	Dr
		492	Pechila	13-14	V	Dr
		493	Sakua	29-30	IV	Dr
		494	Amaltash	10-11	V	Dr
		495	Jamun	25-26	IV	Dr
		496	Jamun	21-22	IV	Dr
		497	Jamun	25-26	IV	Dr
		498	Jamun	24-25	IV	Dr
		499	Jamun	10-11	V	Dr
		500	Jamun	10-11	V	Dr
		501	Pechila	10-11	V	Dr
		502	Pechila	17-18	V	Dr
		503	Chamrola	15-16	V	Dr

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		504	Bad	19-20	V	Dry
		505	Pakhra	28-29	IV	Dry
		506	Jaman	60-61	II A	Dry
		507	Ardhtuk	12-13	V	Dry
		508	Pakhra	24-25	IV	Dry
		509	Ardhtuk	10-11	V	Dry
		510	Ardhtuk	11-12	V	Dry
		511	Bad	16-17	V	Dry
		512	Bad	18-19	V	Dry
		513	Bad	15-16	V	Dry
		514	Pakhra	13-14	V	Dry
		515	Pakhra	15-16	V	Dry
		516	Chamrola	10-11	V	Dry
		517	Kokar	38-39	III	Dry
		518	Kanihal	10-11	V	Dry
		519	Ardhtuk	11-12	V	Dry
		520	Chamrola	11-12	V	Dry
		521	Ardhtuk	13-14	V	Dry
		522	Siroh	11-12	V	Dry
		523	Chamrola	12-13	V	Dry
		524	Kanihal	14-15	V	Dry
		525	Pakhar	16-17	V	Dry
		526	Ardhtuk	12-13	V	Dry
		527	Khair	14-15	V	Dry
		528	Khair	12-13	V	Dry
		529	Khair	12-13	V	Dry
		530	Khair	11-12	V	Dry
		531	Bhoul	10-11	V	Dry
		532	Pakhra	16-17	V	Dry
		533	Pakhra	12-13	V	Dry
		534	Ardhtuk	11-12	V	Dry
		535	Pakhra	29-30	V	Dry
		536	Pakhra	12-13	V	Dry
		537	Khair	14-15	V	Dry
		538	Pakhra	12-13	V	Dry
		539	Pakhra	18-19	V	Dry
		540	Chamrola	11-12	V	Dry
		541	Jaman	16-17	V	Dry
		542	Jaman	13-14	V	Dry
		543	Jaman	30-31	IV	Dry
		544	Jaman	12-13	V	Dry
		545	Jaman	16-17	V	Dry
		546	Jaman	17-18	V	Dry
		547	Jaman	16-17	V	Dry
		548	Jaman	10-11	V	Dry
		549	Ardhtuk	12-13	V	Dry

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Name of Forest	Khasra No.	Sr No	Species	Dbh	Class	Status of Tree
		550	Amaltash	10-11	V	Do
		551	Pachkit	30-31	V	Do
		552	Lodra	25-26	IV	Do
		553	Lodra	11-12	V	Do
		554	Lodra	12-13	V	Do
		555	Ghab	12-13	V	Do
		556	Lodra	15-16	V	Do
		557	Lodra	13-14	V	Do
		558	Pachka	11-12	V	Do
		559	Lodra	14-15	V	Do
		560	Ghab	18-19	V	Do
		561	Amaltash	13-14	V	Do
		562	Amaltash	16-17	V	Do
		563	Amaltash	11-12	V	Do
		564	Amaltash	12-13	V	Do
		565	Amlida	12-13	V	Do
		566	Pachia	17-18	V	Do
		567	Ghab	11-12	V	Do
		568	Amlida	18-19	V	Do
		569	Pachia	17-18	V	Do
		570	Amlida	15-16	V	Do
		571	Pachka	12-13	V	Do
		572	Khirla	11-12	V	Do
		573	Amaltash	15-16	V	Do
		574	Amaltash	13-14	V	Do
		575	Amaltash	11-12	V	Do
		576	Pachia	21-22	IV	Do
		577	Khirla	1-12	V	Do
		578	Lakar	18-19	V	Do
		579	Pachka	15-16	V	Do
		580	Pachka	1-12	V	Do
		581	Pachka	15-16	V	Do
		582	Pachka	2-13	V	Do
		583	Pachka	1-12	V	Do
		584	Pachka	1-12	V	Do
		585	Khirla	17-18	V	Do
		586	Khirla	12-13	V	Do
		587	Khirla	1-12	V	Do
		588	Khirla	2-13	V	Do
		589	Pachka	13-14	V	Do
		590	Amaltash	15-16	V	Do
		591	Pachka	15-16	V	Do
		592	Pachka	20-21	IV	Do
		593	Pachka	12-13	V	Do
		594	Pachka	15-16	V	Do
		595	Semal	17-18	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		595	Khair	12-13	V	Do
		597	Amaltash	18-19	V	Do
		598	Peepla	15-16	V	Do
		599	Peepla	58-36	III	Do
		600	Aamla	18-19	V	Do
		601	Khaira	11-12	V	Do
		602	Jao	17-18	V	Do
		603	Peepla	23-24	IV	Do
		604	Peepla	14-15	V	Do
		605	Peepla	11-12	V	Do
		606	Chirmoli	11-12	V	Do
		607	Chirmoli	10-11	V	Do
		608	Chirmoli	11-12	V	Do
		609	Peepla	10-11	V	Do
		610	Peepla	15-16	V	Do
		611	Peepla	12-13	V	Do
		612	Bael	15-16	V	Do
		613	Peepla	15-16	V	Do
		614	Khaira	11-12	V	Do
		615	Peepla	15-16	V	Do
		616	Chirmoli	11-12	V	Do
		617	Peepla	11-12	V	Do
		618	Peepla	12-13	V	Do
		619	Khaira	11-12	V	Do
		620	Chair	12-13	V	Do
		621	Peepla	16-17	V	Do
		622	Peepla	23-24	IV	Do
		623	Peepla	21-22	IV	Do
		624	Khaira	12-13	V	Do
		625	Chirmoli	14-15	V	Do
		626	Chirmoli	14-15	V	Do
		627	Chirmoli	17-18	V	Do
		628	Amaltash	12-13	V	Do
		629	Khaira	15-16	V	Do
		630	Khaira	11-12	V	Do
		631	Sisoo	31-32	III	Do
		632	Jamun	28-30	IV	Do
		633	Sisoo	16-17	V	Do
		634	Peepla	13-14	V	Do
		635	Peepla	21-22	V	Do
		636	Peepla	11-12	V	Do
		637	Peepla	15-16	V	Do
		638	Chirmoli	11-12	V	Do
		639	Sisoo	14-15	V	Do
		640	Sisoo	12-13	V	Do
		641	Peepla	31-32	III	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		642	Acad	14-15	V	Do
		643	Acad	11-12	V	Do
		644	Acad	15-16	V	Do
		645	Acacia	16-17	V	Do
		646	Acacia	11-12	V	Do
		647	Acacia	25-26	IV	Do
		648	Acacia	18-19	V	Do
		649	Acacia	12-13	V	Do
		650	Acacia	15-16	V	Do
		651	Acacia	30-31	III	Do
		652	Acacia	12-13	V	Do
		653	Khair	15-16	V	Do
		654	Acacia	25-26	IV	Do
		655	Acacia	20-21	IV	Do
		656	Acacia	13-14	V	Do
		657	Acacia	22-23	IV	Do
		658	Acacia	24-25	IV	Do
		659	Acad	51-52	III	Do
		660	Acad	31-32	III	Do
		661	Acad	17-18	V	Do
		662	Acad	19-20	V	Do
		663	Acad	15-16	V	Do
		664	Acacia	14-15	V	Do
		665	Acacia	11-12	V	Do
		666	Acacia	12-13	V	Do
		667	Acacia	17-18	V	Do
		668	Acacia	12-13	V	Do
		669	Acacia	14-15	V	Do
		670	Acad	12-13	V	Do
		671	Acad	12-13	V	Do
		672	Acad	14-15	V	Do
		673	Acad	15-16	V	Do
		674	Acad	17-18	V	Do
		675	Acad	15-16	V	Do
		676	Acad	18-19	V	Do
		677	Acad	14-15	V	Do
		678	Acad	13-14	V	Do
		679	Acad	21-22	IV	Do
		680	Acad	12-13	V	Do
		681	Acacia	13-14	V	Do
		682	Acacia	28-29	IV	Do
		683	Acacia	21-22	IV	Do
		684	Acad	17-18	V	Do
		685	Khair	10-11	V	Do
		686	Khair	10-11	V	Do
		687	Khair	10-11	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		688	Kharik	12-13	V	Do
		689	Pochka	32-33	III	Do
		690	Pochka	12-13	V	Do
		691	[illegible]	32-39	III	Do
		692	Pochka	10-11	V	Do
		693	Pochka	10-11	V	Do
		694	Pochka	12-13	V	Do
		695	Kharik	18-19	V	Do
		696	Kharik	12-13	V	Do
		697	Kharik	14-15	V	Do
		698	Kharik	12-13	V	Do
		699	Amaltash	15-16	V	Do
		700	Amaltash	12-13	V	Do
		701	Pochka	30-31	III	Do
		702	Pochka	20-21	IV	Do
		703	Bed	12-13	V	Do
		704	Pochka	11-12	V	Do
		705	Pochka	15-16	V	Do
		706	Amaltash	12-13	V	Do
		707	Bed	30-31	III	Do
		708	Bed	35-36	III	Do
		709	Bed	37-38	III	Do
		710	Bed	23-24	IV	Do
		711	Bed	20-21	IV	Do
		712	Bed	15-16	V	Do
		713	Amaltash	12-20	V	Do
		714	Bed	39-40	III	Do
		715	Bed	21-22	IV	Do
		716	Kakar	18-19	V	Do
		717	Sisam	40-41	II A	Do
		718	Sisam	37-38	III	Do
		719	Sisam	35-36	III	Do
		720	Sisam	39-40	III	Do
		721	Pochka	35-36	IV	Do
		722	Pochka	35-36	III	Do
		723	Pochka	30-31	III	Do
		724	Pochka	25-26	IV	Do
		725	Sisam	37-38	III	Do
		726	Sisam	31-32	III	Do
		727	Sisam	37-38	III	Do
		728	Sisam	31-32	III	Do
		729	Sisam	15-16	V	Do
		730	Sisam	21-22	IV	Do
		731	Sisam	18-19	V	Do
		732	Sisam	42-43	II A	Do
		733	Sisam	35-36	III	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		734	Jand	35-40	II B	Do
		735	Bad	25-26	IV	Do
		736	Bad	30-31	III	Do
		737	Jand	25-26	IV	Do
		738	Bad	21-22	III	Do
		739	Bad	15-16	V	Do
		740	Bad	20-21	IV	Do
		741	Bad	17-18	III	Do
		742	Pechka	21-22	IV	Do
		743	Sarar	15-16	V	Do
		744	Pechka	11-12	V	Do
		745	Pechka	15-16	V	Do
		746	Kikar	18-20	V	Do
		747	Kikar	13-14	V	Do
		748	Sarar	27-28	III	Do
		749	Kikar	12-13	V	Do
		750	Kikar	11-12	V	Do
		751	Pechka	13-14	V	Do
		752	Kikar	11-12	V	Do
		753	Sarar	16-25	V	Do
		754	Kikar	11-12	V	Do
		755	Jand	21-22	IV	Do
		756	Sagun	30-31	III	Do
		757	Kikar	12-13	V	Do
		758	Jand	21-22	IV	Do
		759	Sarar	35-36	IV	Do
		760	Pechka	20-21	IV	Do
		761	Kikar	12-13	V	Do
		762	Pechka	20-21	IV	Do
		763	Pechka	15-16	V	Do
		764	Kikar	11-12	V	Do
		765	Sarar	30-31	III	Do
		766	Sarar	35-40	III	Do
		767	Pechka	10-11	V	Do
		768	Pechka	21-22	IV	Do
		769	Pechka	40-41	II A	Do
		770	Sarar	25-26	III	Do
		771	Sarar	27-28	III	Do
		772	Pechka	30-31	III	Do
		773	Kikar	15-16	V	Do
		774	Kikar	12-13	V	Do
		775	Amaltas	21-22	IV	Do
		776	Amaltas	21-22	IV	Do
		777	Kikar	25-26	III	Do
		778	Kikar	17-18	V	Do
		779	Pechka	25-26	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		780	Pechkal	23-16	V	Dr
		781	Pechka	20-21	IV	Dr
		782	Pechka	15-16	V	Dr
		783	Bad	40-41	II A	Dr
		784	Bad	42-43	IIA	Dr
		785	Bad	39-40	III	Dr
		786	Bad	37-38	III	Dr
		787	Pechka	15-16	V	Dr
		788	Pechka	20-21	IV	Dr
		789	Pechka	15-16	V	Dr
		790	Semal	41-42	II A	Dr
		791	Semal	30-31	III	Dr
		792	Khair	15-16	V	Dr
		793	Chanvarda	12-13	V	Dr
		794	Amla	12-13	V	Dr
		795	Kikar	25-26	IV	Dr
		796	Kikar	31-32	III	Dr
		797	Kikar	25-26	IV	Dr
		798	Kharik	16-17	V	Dr
		799	Khair	15-16	V	Dr
		800	Pechka	35-36	III	Dr
		801	Khair	13-14	V	Dr
		802	Khair	22-23	IV	Dr
		803	Khair	13-14	V	Dr
		804	Semal	12-13	V	Dr
		805	Semal	10-11	V	Dr
		806	Pechka	25-26	IV	Dr
		807	Pechka	13-14	V	Dr
		808	Chanvarda	23-24	IV	Dr
		809	Pechka	14-15	V	Dr
		810	Chanvarda	11-12	V	Dr
		811	Chanvarda	14-15	V	Dr
		812	Pechka	14-15	V	Dr
		813	Pechka	12-13	V	Dr
		814	Pechka	11-12	V	Dr
		815	Pechka	12-13	V	Dr
		816	Amaltash	17-18	V	Dr
		817	Amaltash	16-17	V	Dr
		818	Pechka	20-21	IV	Dr
		819	Chanvarda	20-21	IV	Dr
		820	Chanvarda	11-12	V	Dr
		821	Kharik	13-14	V	Dr
		822	Chanvarda	11-12	V	Dr
		824	Amaltash	11-12	V	Dr
		823	Amaltash	14-15	V	Dr
		825	Kharik	15-16	V	Dr

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		826	Chamrech	10-11	V	Do
		827	Chamrech	20-21	IV	Do
		828	Chamrech	23-24	IV	Do
		829	Chamrech	15-16	V	Do
		830	Pechka	20-21	IV	Do
		831	Amaltas	15-16	V	Do
		832	Chamrech	10-11	V	Do
		833	Simb	13-14	V	Do
		834	Chamrech	18-19	V	Do
		835	Chamrech	20-21	IV	Do
		836	Pechka	20-21	IV	Do
		837	Kanchal	10-11	V	Do
		838	Chamrech	10-11	V	Do
		839	Kheir	10-11	V	Do
		840	Khair	13-14	V	Do
		841	Ber	12-13	V	Do
		842	Pechka	12-13	V	Do
		843	Amaltash	14-15	V	Do
		844	Amaltash	10-11	V	Do
		845	Dhauk	15-16	V	Do
		846	Chamrech	15-16	V	Do
		847	Khirsh	11-12	V	Do
		848	Jeezika	11-12	V	Do
		849	Pechka	13-14	V	Do
		850	Pechka	15-16	V	Do
		851	Khasha	13-14	V	Do
		852	Pechka	14-15	V	Do
		853	Pechka	13-14	V	Do
		854	Khasha	20-22	IV	Do
		855	Khasha	18-19	V	Do
		856	Khasha	18-19	V	Do
		857	Khasha	17-18	V	Do
		858	Sarpat	28-29	IV	Do
		859	Pechka	12-13	V	Do
		860	Pechka	18-19	V	Do
		861	Pechka	18-19	V	Do
		862	Pechka	12-13	V	Do
		863	Pechka	13-14	V	Do
		864	Pechka	12-13	V	Do
		865	Pechka	15-16	V	Do
		866	Pechka	13-14	V	Do
		867	Pechka	12-13	V	Do
		868	Pechka	11-12	V	Do
		869	Pechka	17-18	V	Do
		870	Khasha	21-22	IV	Do
		871	Khasha	11-12	V	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		872	Pecchia	11-12	V	Do
		873	Pechka	10-11	V	Do
		874	Kakar	10-11	V	Do
		875	Khajfa	12-13	V	Do
		876	Khirha	16-17	V	Do
		877	Chamrodi	11-12	V	Do
		878	Khirhi	10-11	V	Do
		879	Pechka	12-13	V	Do
		880	Pechka	14-15	V	Do
		881	Saraci	25-26	IV	Do
		882	Saraci	28-29	IV	Do
		883	Chamrodi	13-14	V	Do
		884	Kachbal	13-14	V	Do
		885	Kachbal	14-15	V	Do
		886	Amaltash	16-17	V	Do
		887	Pachka	13-14	V	Do
		888	Kachbal	16-17	V	Do
		889	Dhaki	15-16	V	Do
		890	Arshla	11-12	V	Do
		891	Shyana	13-14	V	Do
		892	Amaltash	12-13	V	Do
		893	Kachbal	13-14	V	Do
		894	Jamun	13-14	V	Do
		850	Shyana	42-43	V	Do
		896	Jamun	12-13	V	Do
		897	Jamun	14-15	V	Do
		898	Jamun	22-23	IV	Do
		899	Jamun	31-32	III	Do
		900	Jamun	30-31	IV	Do
		901	Pechka	15-16	V	Do
		902	Pechka	19-20	V	Do
		903	Pechka	17-18	V	Do
		904	Pechka	44-45	II A	Do
		905	Pechka	42-43	II A	Do
		906	Pechka	41-42	II A	Do
		907	Pechka	35-36	III	Do
		908	Pechka	42-43	II A	Do
		909	Pechka	30-31	III	Do
		910	Ber	15-16	V	Do
		911	Rail	31-32	II B	Do
		912	Rail	44-45	II A	Do
		913	Kakar	16-17	V	Do
		914	Chamrodi	15-16	V	Do
		915	Chamrodi	12-13	V	Do
		916	Chamrodi	25-26	IV	Do
		917	Khair	18-19	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Width of Tree
		918	Khair	15-16	V	Da
		919	Khair	12-13	V	Da
		920	Khair	11-12	V	Da
		921	Amaltash	15-16	V	Da
		922	Chamrode	15-16	V	Da
		923	Chamrode	12-13	V	Da
		924	Chamrode	11-12	V	Da
		925	Chamrode	11-12	V	Da
		926	Chamrode	13-14	V	Da
		927	Chamrode	11-12	V	Da
		928	Ber	15-16	V	Da
		929	Sechia	19-20	V	Da
		930	Amaltash	15-16	V	Da
		931	Sechia	12-13	V	Da
		932	Khair	15-16	V	Da
		933	Amaltash	12-13	V	Da
		934	Amaltash	11-12	V	Da
		935	Ajelia	15-16	V	Da
		936	Anjelia	12-13	V	Da
		937	Kachnar	18-19	V	Da
		938	Khair	18-19	V	Da
		939	Dhak	15-16	V	Da
		940	Dhak	20-21	IV	Da
		941	Dhak	13-14	V	Da
		942	Amaltash	12-13	V	Da
		943	Amaltash	11-12	V	Da
		944	Sechia	15-16	V	Da
		945	Kharsa	11-12	V	Da
		946	Khirni	11-12	V	Da
		947	Sechia	15-16	V	Da
		948	Khirni	15-16	V	Da
		949	Kharsa	12-13	V	Da
		950	Kharsa	11-12	V	Da
		951	Sechia	12-13	V	Da
		952	Dhak	40-41	II A	Da
		953	Dhak	44-45	II A	Da
		954	Dhak	35-36	III	Da
		955	Dhak	30-31	III	Da
		956	Sechia	15-16	V	Da
		957	Sechia	12-13	V	Da
		958	Khair	11-12	V	Da
		959	Amaltash	11-12	V	Da
		960	Amaltash	15-16	V	Da
		961	Khair	11-12	V	Da
		962	Sechia	12-13	V	Da
		963	Chamrode	15-16	V	Da

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		966	Peelu	11-12	V	Da
		963	Kheli	12-13	V	Da
		960	Kanjed	11-12	V	Do
		967	Jamun	15-16	III	Da
		968	Jamun	11-12	V	Da
		969	Jamun	10-11	V	Da
		970	Peelu	15-16	V	Da
		971	Peelu	12-13	V	Da
		972	Peelu	11-12	V	Da
		973	Kheri	11-12	V	Da
		974	Jhyri	11-12	V	Da
		975	Kanjal	15-16	V	Da
		976	Bad	35-36	III	Da
		977	Bad	39-40	III	Da
		978	Bad	15-16	V	Da
		979	Bad	18-19	V	Da
		980	Bad	16-17	V	Da
		981	Bal	12-13	V	Da
		982	Dreek	15-16	V	Da
		983	Chali	12-13	V	Da
		984	Chali	11-12	V	Da
		985	Chali	11-12	V	Da
		986	Kilinji	10-11	V	Da
		987	Peelu	15-16	V	Da
		988	Kadwar	12-13	V	Da
		989	Kheri	11-12	V	Da
		990	Peelu	12-13	V	Da
		991	Kanjal	11-12	V	Da
		992	Dreek	11-12	V	Da
		993	Bad	16-17	V	Da
		994	Amla	11-12	V	Da
		995	Peelu	15-16	V	Da
		996	Jamun	25-26	IV	Da
		997	Jamun	10-11	III	Da
		998	Bad	25-26	IV	Da
		999	Bad	16-17	V	Da
		1000	Peelu	13-14	V	Da

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ABSTRACT

Sr. No.	Species		Class						
			V (5.0-10.0")	IV (10.0"-)	III (15.0-40")	IIA (20.0-35")	IIB (35.0-50")	IA (50.0-75")	Total (Vol. in ")
1	Pipal	Freq.	278	95	70	6			286
		Vol	38.540	21.663	68.250	8.10			88.8.01
2	Ajanbark	Freq.	80	11	3				97
		Vol	11.020	2.956	2.740				16.679
3	Shisham	Freq.	5						5
		Vol	5.630						5.678
4	Jhal	Freq.	90	24	29	22	7		173
		Vol	9.040	11.442	61.218	13.620	8.950		88.870
5	Amlas	Freq.	1						1
		Vol	0.240						0.140
6	Bhoot	Freq.	3						3
		Vol	0.285						0.380
7.	Chamrok	Freq.	90	5					98
		Vol	7.600	3.568					7.168
8	Lanbal	Freq.	20						20
		Vol	2.040						2.080
9	Chrab	Freq.	12						12
		Vol	0.603						1.088
10	Jhanjo	Freq.	3		2				5
		Vol	0.285		0.780				1.068
11.	Langa	Freq.	1						1
		Vol	0.140						0.240
12	Chark	Freq.	10	8					99
		Vol	0.760	0.568					0.528
13	Sanra	Freq.	88	13	11	4			96
		Vol	6.900	3.668	12.470	5.660			25.580
14	Kachnar	Freq.	4						4
		Vol	0.520						0.660
15	Karir	Freq.	9	4					39
		Vol	0.720	0.528					1.188
16	Khair	Freq.	39						39
		Vol	2.860						2.960
17	Amaltas	Freq.	25						25
		Vol	1.920						3.900
18	Chuk	Freq.	11	1					12
		Vol	1.980	0.208					1.988
19	Sheesham	Freq.	3						3
		Vol	0.180						0.180
20	Sanwan	Freq.	21	3	3	1			28
		Vol	2.940	2.340	4.100	4.181			13.561
21	Ber	Freq.	4						4
		Vol	0.240						0.320
22	Dhak	Freq.	9	3	3				4
		Vol	0.180	0.208	0.520				1.256
23	Dhrek	Freq.	1						1
		Vol	0.180						0.180
24	Kikar	Freq.	9	3	3				13
		Vol	0.540	0.208	0.520		0.221		0.189
25	Sagwan	Freq.	2						2
		Vol	0.240						0.240
26	Chenar	Freq.	4						4
		Vol	0.360						0.960

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Sr. No	Species		Class						
			X (Vol M^3)	IV (Vol M^3)	III (Vol M^3)	IIA (Vol M^3)	IIB (Vol M^3)	IA (Vol M^3)	Total (Vol M^3)
19	Jhingan	No's	2						2
		Vol	0.280						0.280
Total		No's	762	176	40	28	4	0	1010
		Vol	99.060	86.240	40.000	31.220	0.660	0.000	247.910 M^3
Sapling		Sp's	Tekhan	Amaltash	Lendi	Jamun	Khair		
		No's	5	12	8	9	6		
		Sp's	Dhak	Ardu	Khair	Sp's	Khair		
		No's	2	6	5	6	3		
		Sp's	Neem	Dhawda	Pa.Ma's	Kalsar	TOTAL		
		No's	15	9	18	16	No.	526	

Ranger Forest Officer
Kamalg Forest Range
Distt. Mandi (H.P.)

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in D-134 Magon Forest Parlog Beat, Bagshad Block, Karsog forest range of Karsog Forest Division Mandi [H.P] for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-134	179/1/1	1	Siraus	28-30	IV	Green Standing
		2	Kakar	12-13	V	Do
		3	Jamun	51-52	II B	Do
		4	Bail	17-18	V	Do
		5	Bair	19-20	V	Do
		6	Kanhal	10-11	V	Do
		7	Kakar	15-16	V	Do
		8	Ladra	17-18	V	Do
		9	Bail	30-31	III	Do
		10	Bail	25-26	IV	Do
		11	Amaltash	25-26	IV	Do
		12	Pechha	30-31	III	Do
		13	Pechha	25-26	IV	Do
		14	Drega	10-11	V	Do
		15	Amaltash	15-16	V	Do
		16	Ladra	35-36	III	Do
		17	Pechha	15-16	V	Do
		18	Pechha	17-18	V	Do
		19	Kanhal	11-12	V	Do
		20	Pechha	20-21	IV	Do
		21	Pechha	15-16	V	Do
		22	Pechha	21-22	IV	Do
		23	Pechha	25-26	IV	Do
		24	Pechha	30-31	III	Do
		25	Pechha	35-36	III	Do
		26	Pechha	30-31	III	Do
		27	Pechha	15-16	V	Do
		28	Pechha	35-40	III	Do
		29	Sirsan	12-13	V	Do
		30	Amaltash	15-16	V	Do
		31	Bail	13-14	V	Do
		32	Bail	17-18	V	Do
		33	Bail	25-26	IV	Do
		34	Bail	21-22	IV	Do
		35	Bail	37-38	III	Do
		36	Pechha	30-31	III	Do
		37	Pechha	10-11	V	Do
		38	Pechha	15-16	V	Do
		39	Pechha	13-14	V	Do
		40	Pechha	12-13	V	Do
		41	Sirsan	39-40	III	Do
		42	Sirsan	30-31	III	Do
		43	Amaltash	40-41	II A	Do
		44	Amaltash	35-36	III	Do
		45	Bail	37-38	III	Do
		46	Bail	44-45	II A	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		47	Rid	30-31	III	Dry
		48	Soc	49-50	II A	Dry
		49	Soc	30-31	III	Dry
		50	Rid	25-26	IV	Dry
		51	Semm	12-12	V	Dry
		52	Lodm	15-16	V	Dry
		53	Lodm	12-13	V	Dry
		54	Semm	35-36	III	Dry
		55	Kikar	14-19	V	Dry
		56	Anadkal	11-12	V	Dry
		57	Lodm	25-26	IV	Dry
		58	Lodm	15-16	V	Dry
		59	Dresk	11-12	V	Dry
		60	Lodm	13-16	V	Dry

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ABSTRACT

Sr. No	Species		Class						
			V (>60 M³)	IV (>40 M³)	III (>20 M³)	IIA (>10 M³)	IIB (>4 M³)	IA (>0 M³)	Total (>0 M³)
1	Kanoo	Nos.	2	1	1				4
		Vol.	0.210	0.200	2.700				3.710
2	Kikar	Nos.	3						3
		Vol.	0.420						0.420
3	Jamun	Nos.					1		1
		Vol.					1.320		1.320
4	Toli	Nos.	4	8	3	2			19
		Vol.	0.560	1.040	3.450	2.720			5.970
5	Kanchal	Nos.	2						2
		Vol.	0.58						0.230
6	Lohi	Nos.	3	1	3				7
		Vol.	0.780	0.200	0.720				1.000
7	Amaltash	Nos.	3	1	4	1			8
		Vol.	0.420	0.250	0.720	1.360			2.750
8	Dhak	Nos.	2						2
		Vol.	0.560						0.560
9	Neelgai	Nos.	8	4	6				18
		Vol.	1.120	1.040	4.180				6.340
Total		Nos.	29	15	16	3	1	8	61
		Vol.	4.060	2.860	11.690	4.080	1.320	0.000	24.250 m³
Sapling		Sp.	Salvan	Kikar	Jamun	Dhak	Kanchal		
		Nos.	3	2	2	1	2		
		Sp.	Lohi	Amaltash	Toli	Neelgai	TOTAL		
		Nos.	2	2	1	2	8	23	

Range Forest Officer
Kamrog Forest Range
Distt. Mandi (H.P.)

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Enumeration list of green standing trees coming in the acquisition of SKM Sainj Dam HEP in D-134, Magan Forest Parlag Beat, Jagchad block, Karsog forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr. No.	Species	Dia	Class	Status of Tree
D-134	1831/1/1	1	Partika	30-31	III	Green Standing
		2	Chali	21-22	IV	Do
		3	Bail	55-56	II-B	Do
		4	Partika	30-31	III	Do
		5	Amaltash	20-21	III	Do
		6	Kharsu	13-14	V	Do
		7	Partika	12-13	V	Do
		8	Partika	40-41	II-A	Do
		9	Amaltash	21-22	IV	Do
		10	Kakar	12-13	V	Do
		11	Kanihal	13-14	V	Do
		12	Chali	14-15	V	Do
		13	Kharsu	22-23	IV	Do
		14	Kanihal	14-15	V	Do
		15	Lethu	30-31	III	Do
		16	Chamrasla	15-16	V	Do
		17	Kharsu	12-13	V	Do
		18	Partika	45-46	II-A	Do
		19	Kakar	14-15	V	Do
		20	Kanihal	25-26	IV	Do
		21	Kanihal	18-19	V	Do
		22	Kanihal	20-21	IV	Do
		23	Partika	25-26	IV	Do
		24	Partika	25-26	IV	Do
		25	Partika	15-16	V	Do
		26	Bail	30-31	III	Do
		27	Bail	23-24	IV	Do
		28	Bail	25-26	IV	Do
		29	Amaltash	15-16	V	Do
		30	Kanihal	15-16	V	Do
		31	Amlish	14-15	V	Do
		32	Amlish	15-16	V	Do
		33	Bail	50-51	II-B	Do
		34	Bail	39-40	III	Do
		35	Bail	40-41	II-A	Do
		36	Partika	47-48	II-A	Do
		37	Partika	17-18	III	Do
		38	Amaltash	15-16	V	Do
		39	Amaltash	16-17	V	Do
		40	Partika	12-13	V	Do
		41	Anjan	35-36	III	Do
		42	Bail	15-16	V	Do
		43	Bail	35-36	III	Do
		44	Bail	37-38	III	Do
		45	Bail	40-41	II-A	Do
		46	Bail	35-36	III	Do
		47	Bail	25-26	IV	Do
		48	Bail	37-38	III	Do
		49	Bail	30-31	III	Do
		50	Bail	37-38	III	Do

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Name of Forest	Khasra No.	Sr. No.	Species	Dia	Class	Name of Tree
		51	Pethra	35-36	III	Do
		52	Nkrak	20-21	IV	Do
		53	Khrak	18-19	V	Do
		54	Khrak	15-16	V	Do
		55	Khrak	30-31	III	Do
		56	Amaltash	29-30	IV	Do
		57	Bael	36-34	III	Do
		58	Bael	25-26	IV	Do
		59	Pethra	11-12	V	Do
		60	Bael	15-16	V	Do
		61	Bael	20-21	IV	Do
		62	Bael	35-36	III	Do
		63	Bael	38-39	III	Do
		64	Tamun	24-23	IV	Do
		65	Tamun	35-36	III	Do
		66	Pethra	12-13	V	Do
		67	Sarun	12-13	V	Do
		68	Sarun	12-13	V	Do
		69	Khrak	15-16	V	Do
		70	Pethra	30-31	III	Do
		71	Pethra	25-26	IV	Do
		72	Pethra	23-24	IV	Do
		73	Pethra	23-22	IV	Do
		74	Pethra	25-26	IV	Do
		75	Pethra	15-16	V	Do
		76	Pethra	15-16	V	Do
		77	Pethra	12-13	V	Do
		78	Pethra	23-22	IV	Do
		79	Pethra	14-15	V	Do
		80	Pethra	16-17	V	Do
		81	Pethra	15-16	V	Do
		82	Pethra	15-16	V	Do
		83	Bael	35-36	III	Do
		84	Bael	30-31	III	Do
		85	Bael	23-24	IV	Do
		86	Amrita	15-16	V	Do
		87	Sarun	20-21	IV	Do
		88	Pethra	25-26	IV	Do
		89	Pethra	30-31	III	Do
		90	Pethra	15-16	V	Do
		91	Khrak	11-12	V	Do
		92	Bael	25-26	IV	Do
		93	Pethra	25-26	IV	Do
		94	Pethra	12-13	V	Do
		95	Pethra	16-17	V	Do
		96	Pethra	11-12	V	Do
		97	Pethra	18-19	V	Do
		98	Pethra	11-12	V	Do
		99	Bael	35-36	III	Do
		100	Amaltas	30-31	III	Do
		101	Amaltas	15-16	V	Do
		102	Amaltas	11-12	V	Do
		103	Sarun	12-13	V	Do

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Name of Forest	Khasra No.	Sr. No.	Species	Dia	Class	Status of Tree
		104	Kheri	15-18	V	Dry
		105	Bael	29-30	IV	Do
		106	Pachla	15-16	V	Do
		107	Bael	21-22	IV	Do
		108	Bael	25-26	IV	Do
		109	Bael	30-31	III	Do
		110	Bael	29-30	IV	Do
		111	Pachla	15-16	V	Do
		112	Kanak	15-16	V	Do
		113	Kanju	21-22	IV	Do
		114	Amaltash	15-16	V	Do
		115	Bael	32-33	III	Do
		116	Amaltash	15-16	V	Do
		117	Bael	32-33	III	Do
		118	Pachla	31-32	III	Do
		119	Pachla	27-28	IV	Do
		120	Pachla	15-16	V	Do
		121	Kanju	18-19	V	Do
		122	Amaltash	30-31	IV	Do
		123	Bael	32-33	III	Do
		124	Bael	31-32	III	Do
		125	Bael	30-31	III	Do
		126	Bael	31-32	III	Do
		127	Bael	30-31	III	Do
		128	Pachla	25-26	IV	Do
		129	Pachla	19-20	V	Do
		130	Amaltash	11-12	V	Do
		131	Pachla	25-26	IV	Do
		132	Pachla	15-16	V	Do
		133	Pachla	17-18	V	Do
		134	Anjhla	22-23	IV	Do
		135	Pachla	30-31	III	Do
		136	Pachla	15-16	V	Do
		137	Pachla	12-13	V	Do
		138	Bael	25-26	IV	Do
		139	Bael	40-41	II-A	Do
		140	Bael	45-46	II-A	Do
		141	Kheri	11-12	V	Do
		142	Kanju	12-13	V	Do
		143	Pachla	15-16	V	Do
		144	Pachla	12-13	V	Do
		145	Pachla	18-19	V	Do
		146	Pachla	15-16	V	Do
		147	Pachla	18-19	V	Do
		148	Pachla	11-12	V	Do
		149	Anjhla	21-22	IV	Do
		150	Dahiya	12-13	V	Do
		151	Ludhi	12-13	V	Do
		152	Pachla	21-22	IV	Do
		153	Jamun	15-16	V	Do
		154	Jamun	11-12	V	Do
		155	Jamun	21-22	IV	Do
		156	Pachla	17-18	V	Do

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Name of Forest	Khasra No.	Sr. No.	Species	Dia	Class	Status of Tree
		157	Asshi	15-16	V	Do
		158	Pechka	20-21	IV	Do
		159	Pechka	11-12	V	Do
		160	Chamrola	15-16	V	Do
		161	Pechka	10-11	V	Do
		162	Sonto	15-16	V	Do
		163	Kosu	11-12	V	Do
		164	Bad	40-41	II-A	Do
		165	Bad	30-31	III	Do
		166	Bad	27-28	IV	Do
		167	Amaltash	25-26	IV	Do
		168	Aritha	17-18	V	Do
		169	Bad	44-45	II-B	Do
		170	Kikar	21-22	IV	Do
		171	Khair	10-11	V	Do
		172	Amaltash	10-11	V	Do
		173	Sonto	11-12	V	Do
		174	Bad	10-11	V	Do
		175	Bad	11-12	V	Do
		176	Amaltash	15-16	V	Do
		177	Pothia	10-11	V	Do
		178	Pothia	15-16	V	Do
		179	Pethia	11-12	V	Do
		180	Khair	10-11	V	Do
		181	Sonto	12-13	V	Do
		182	Lehra	18-19	V	Do
		183	Bad	18-19	V	Do
		184	Bad	11-12	V	Do
		185	Bad	18-19	V	Do
		186	Pethia	24-25	IV	Do
		187	Pethia	12-13	V	Do
		188	Chamrola	11-12	V	Do
		189	Chamrola	10-11	V	Do
		190	Pethia	12-13	V	Do
		191	Pathan	15-16	V	Do
		192	Bad	22-23	IV	Do
		193	Bad	15-16	V	Do
		194	Bad	30-31	III	Do
		195	Kikar	27-28	IV	Do
		196	Sonto	12-13	V	Do
		197	Pethia	18-19	V	Do
		198	Chamrola	11-12	V	Do
		199	Sonto	25-26	IV	Do
		200	Bad	30-31	III	Do
		201	Chamrola	10-11	V	Do
		202	Pethia	15-16	V	Do
		203	Bad	12-13	V	Do
		204	Pethia	15-16	V	Do
		205	Arthi	12-13	V	Do
		206	Pethia	13-14	V	Do
		207	Pethia	15-16	V	Do
		208	Sonto	12-13	V	Do
		209	Bair	11-12	V	Do

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Name of Forest	Khasra No.	Sr. No.	Species	Dia	Class	Status of Tree
		210	Chir	12-13	V	Do
		211	Kikar	11-12	V	Do
		212	Kikar	10-11	V	Do
		213	Kikar	13-14	V	Do
		214	Kikar	15-16	V	Do
		215	Amaltash	10-11	V	Do
		216	Amaltash	11-12	V	Do
		217	Bael	25-26	IV	Do
		218	Bael	19-20	V	Do
		219	Kahau	27-28	IV	Do
		220	Bael	18-19	V	Do
		221	Bael	18-19	V	Do
		222	Peelkh	25-26	IV	Do
		223	Amla	11-12	V	Do
		224	Amla	12-13	V	Do
		225	Peelkh	11-12	V	Do
		226	Peelkh	13-14	V	Do
		227	Peelkh	12-13	V	Do
		228	Amaltash	11-12	V	Do
		229	Amla	11-12	V	Do
		230	Khirnk	10-11	V	Do
		231	Amla	15-16	V	Do
		232	Amla	11-12	V	Do
		233	Peelkh	07-08	V	Do
		234	Peelkh	15-16	V	Do
		235	Peelkh	14-15	V	Do
		236	Peelkh	11-12	V	Do
		237	Peelkh	13-14	V	Do
		238	Amaltash	11-12	V	Do
		239	Amaltash	12-13	V	Do
		240	Bael	18-19	V	Do
		241	Ajjan	15-16	V	Do
		242	Peelkh	11-12	V	Do
		243	Peelkh	12-13	V	Do
		244	Peelkh	10-11	V	Do
		245	Peelkh	12-13	V	Do
		246	Peelkh	08-09	V	Do
		247	Khirnk	10-11	V	Do
		248	Khirnk	09-10	V	Do
		249	Khirnk	12-13	V	Do
		250	Peelkh	10-11	V	Do
		251	Peelkh	25-26	IV	Do
		252	Peelkh	12-13	V	Do
		253	Peelkh	20-21	IV	Do
		254	Peelkh	15-16	V	Do
		255	Amltk	12-13	V	Do
		256	Peelkh	15-16	V	Do
		257	Bael	20-21	IV	Do
		258	Bael	15-16	V	Do
		259	Bael	11-12	V	Do
		260	Bael	15-16	V	Do
		261	Peelkh	16-17	V	Do
		262	Peelkh	15-16	V	Do

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Name of Forest	Khasra No.	Sr. No.	Species	Dia	Class	Status of Tree
		265	Amla	12-13	V	Dry
		264	Amla	18-19	V	Dry
		263	Pecha	30-31	III	Dry
		266	Bael	22-23	IV	Dry
		267	Bael	18-19	V	Dry
		268	Bael	20-21	IV	Dry
		269	Bael	18-19	V	Dry
		270	Pecha	15-16	V	Dry
		271	Pecha	10-11	V	Dry
		272	Pecha	30-31	III	Dry
		273	Pecha	11-12	V	Dry
		274	Pecha	15-16	V	Dry
		275	Bael	11-12	V	Dry
		276	Amaltash	21-22	IV	Dry
		277	Amaltash	25-26	IV	Dry
		278	Pecha	20-21	IV	Dry
		279	Pecha	15-16	V	Dry
		280	Pecha	15-16	V	Dry
		281	Pecha	17-18	V	Dry
		282	Pecha	21-22	IV	Dry
		283	Pecha	25-26	IV	Dry
		284	Pecha	28-29	IV	Dry
		285	Pecha	30-31	III	Dry
		286	Pecha	35-36	III	Dry
		287	Pecha	12-13	V	Dry
		288	Pecha	20-21	IV	Dry
		289	Pecha	18-19	V	Dry
		290	Amla	25-26	IV	Dry
		291	Amaltash	15-16	V	Dry
		292	Amaltash	18-19	V	Dry
		293	Khair	12-13	V	Dry
		294	Bael	10-11	V	Dry
		295	Pecha	20-21	IV	Dry
		296	Amaltash	15-16	V	Dry
		297	Pecha	18-19	V	Dry
		298	Pecha	15-16	V	Dry
		299	Pecha	12-13	V	Dry
		300	Pecha	11-12	V	Dry
		301	Khair	12-13	V	Dry
		302	Khair	15-16	V	Dry
		303	Khair	12-13	V	Dry
		304	Amaltash	10-11	V	Dry
		305	Pecha	11-12	V	Dry
		306	Amaltash	15-16	V	Dry
		307	Amaltash	12-13	V	Dry
		308	Amaltash	11-12	V	Dry
		309	Pecha	18-19	V	Dry
		310	Pecha	15-16	V	Dry
		311	Bael	35-36	IV	Dry
		312	Bael	28-29	IV	Dry
		313	Bael	15-16	V	Dry
		314	Bael	13-14	V	Dry
		315	Bael	11-12	V	Dry

Name of Forest	Khasra No.	Sr. No.	Species	Dia	Class	Status of Tree
		315	Khirak	20-21	IV	Do
		317	Neem	14-15	V	Do
		318	Shisam	11-12	V	Do
		319	Bael	15-16	V	Do
		320	Bael	11-12	V	Do
		321	Arabica	19-20	V	Do
		322	Khaira	12-13	V	Do
		323	Khaira	2-13	V	Do
		324	Khaira	1-12	V	Do
		325	Arwaitish	11-12	V	Do
		326	Bael	14-15	V	Do
		327	Bael	10-11	V	Do
		328	Bael	12-13	V	Do
		329	Peepla	23-24	IV	Do
		330	Peepla	13-14	V	Do
		331	Bael	12-13	V	Do
		332	Bael	28-29	IV	Do
		333	Peepla	30-31	III	Do
		334	Bael	10-11	V	Do
		335	Bael	25-26	IV	Do
		336	Bael	13-14	V	Do
		337	Bael	12-13	V	Do
		338	Bael	11-12	V	Do
		339	Karan	17-18	V	Do
		340	Bael	31-32	III	Do
		341	Peepla	30-31	IV	Do
		342	Peepla	17-18	V	Do
		343	Peepla	12-13	V	Do
		344	Kharia	10-11	V	Do
		345	Peepla	30-31	IV	Do
		346	Peepla	32-33	III	Do
		347	Peepla	13-14	IV	Do
		348	Bael	15-16	V	Do
		349	Bael	28-29	IV	Do
		350	Bael	30-31	IV	Do

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ABSTRACT

Sr. No	Species		Class					
			V (Vol/Ha)	IV (Vol/Ha)	III (Vol/Ha)	III-A (Vol/Ha)	II-B (Vol/Ha)	Total (Vol/Ha)
1	Pyrika	Num	81	72	35	1		173
		Vol	12.948	7.920	10.920	4.000		35.788
2	Chik	Num	1	1				2
		Vol	0.161	0.210				0.371
3	Bail	Num	23	24	22	3	3	95
		Vol	4.370	6.720	19.250	8.160	3.360	41.860
4	Anjan/Kalt	Num	35	8	7			50
		Vol	5.565	1.760	1.960			9.285
5	Dhaura	Num	11	3	3			17
		Vol	1.881	0.720	0.720			3.321
6	Salai	Num	2	4	2			8
		Vol	0.420	1.040	0.720			2.180
7	Kasmal	Num	5	2				7
		Vol	0.710	0.520				1.230
8	Khair	Num	3	1				4
		Vol	1.260	0.260				1.520
9	Ghiya	Num	2		1			3
		Vol	0.764		0.720			1.484
10	Chamrod	Num	4					4
		Vol	0.840					0.840
11	Anjhi	Num	5	2				7
		Vol	1.050	0.520				1.570
12	Jamun	Num	2	2	1			5
		Vol	0.282	0.520	0.720			1.522
13	Karan	Num	10	5				15
		Vol	1.350	0.780				2.130
14	Kadam	Num	1					1
		Vol	0.141					0.141
15	Ghatar	Num	4					4
		Vol	1.120					1.120
16	Dhawai	Num	1					1
		Vol	0.141					0.141
17	Jhar	Num	1					1
		Vol	0.193					0.193
Total		Num	218	54	93	4	3	372
		Vol	38.526	19.540	37.580	12.160	3.360	111.166
Spacing		Type	Square	Square	Rectangle	Square	Range	
		Num	9	16	16	16	8	
		Type	Random	Mixed	Mixed	Mixed	Total	
		Num	18	4	10	1	Type	143

Range Forest Officer
Pardeep Forest Range
Distt. Mandi (H.P.)

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Enumeration list of green standing trees coming in the acquisition of SHN Sunni Dam HEP in D-134 Magan Forest Parlog Beat , Baghat Block , Karsog forest range of karsog Forest Division Mandi (H.P) for the year 2015-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-134	181/1/1	1	Deodar	10-11	V	Green Standing
		2	Amaltash	10-11	V	Do
		3	Peepla	30-31	III	Do
		4	Shisham	10-11	V	Do
		5	Bael	15-10	V	Do
		6	Toon	12-13	V	Do
		7	Biyool	10-11	V	Do
		8	Ved	10-11	V	Do
		9	Chirauta	18-19	V	Do
		10	Chiraita	10-11	V	Do
		11	Kanchal	10-11	V	Do
		12	Kikar	10-11	V	Do
		13	Pechha	31-32	III	Do
		14	Amaltash	12-13	V	Do
		15	Bael	28-29	IV	Do
		16	Bael	15-1	V	Do
		17	Toon	18-19	V	Do
		18	Bael	31-32	III	Do
		19	Bael	19-20	V	Do
		20	Bael	41-42	II A	Do
		21	Pechha	24-25	IV	Do
		22	Pechha	28-29	IV	Do
		23	Paddia	14-15	V	Do
		24	Amaltash	13-14	V	Do
		25	Amaltash	14-15	V	Do
		26	Pechha	10-11	V	Do
		27	Pechha	10-11	V	Do
		28	Pechha	12-13	V	Do
		29	Amaltash	14-15	V	Do
		30	Pechha	25-26	IV	Do
		31	Amaltash	10-11	V	Do
		32	Amaltash	15-16	V	Do
		33	Amaltash	11-12	V	Do
		34	Bahera	13-14	V	Do
		35	Amaltash	13-14	V	Do
		36	Peepla	16-17	V	Do
		37	Kangoo	10-11	V	Do
		38	Pachka	21-22	IV	Do
		39	Khirk	10-11	V	Do
		40	Pachka	17-18	V	Do
		41	Pachka	23-27	IV	Do
		42	Pachka	15-16	V	Do
		43	Khirk	10-11	V	Do

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Name of Forest	Khasra No.	Nr No	Species	Dia	Class	Status of Tree
		44	Kheda	16-17	V	Do
		45	Semru	18-19	V	Do
		46	Kheda	10-11	V	Do
		47	Kheda	10-11	V	Do
		48	Peddus	12-13	V	Do
		49	Peddus	10-11	V	Do
		50	Peddus	10-11	V	Do
		51	Peddus	11-12	V	Do
		52	Peddus	10-11	V	Do
		53	Peddus	11-12	V	Do
		54	Peddus	11-12	V	Do
		55	Peddus	17-18	V	Do
		56	Peddus	15-17	V	Do
		57	Kangeo	10-11	V	Do
		58	Amaltash	11-12	V	Do
		59	Amaltash	12-13	V	Do
		60	Bawal	12-13	V	Do
		61	Peddus	11-12	V	Do
		62	Peddus	11-12	V	Do
		63	Peddus	22-23	IV	Do
		64	Peddus	30-31	III	Do
		65	Bael	41-42	II A	Do
		66	Bael	12-13	V	Do
		67	Chirmali	12-13	V	Do
		68	Khair	14-15	V	Do
		69	Khair	12-13	V	Do
		70	Amaltash	12-13	V	Do
		71	Khair	15-16	V	Do
		72	Bael	13-14	V	Do
		73	Bael	35-36	III	Do
		74	Bael	15-16	V	Do
		75	Bael	21-22	IV	Do
		76	Bael	39-40	III	Do
		77	Bael	35-36	III	Do
		78	Peddus	15-16	V	Do
		79	Amaltash	11-12	V	Do
		80	Peddus	32-33	III	Do
		81	Amaltash	11-12	V	Do
		82	Amaltash	12-13	V	Do
		83	Bael	42-43	II A	Do
		84	Bael	35-36	III	Do
		85	Aonla	15-16	V	Do
		86	Aonla	12-13	V	Do
		87	Aonla	14-15	V	Do
		88	Aonla	17-18	V	Do
		89	Aonla	13-14	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		90	Aamla	11-12	V	Do
		91	Aamla	15-16	V	Do
		92	Aamla	12-13	V	Do
		93	Amaltash	15-16	V	Do
		94	Amaltash	12-13	V	Do
		95	Amaltash	11-12	V	Do
		96	Bael	30-30	III	Do
		97	Bael	37-38	III	Do
		98	Bael	30-31	III	Do
		99	Bael	40-41	IV A	Do
		100	Bael	39-40	III	Do
		101	Peelu	16-17	V	Do
		102	Peelu	13-14	V	Do
		103	Kheir	12-13	V	Do
		104	Kheir	10-11	V	Do
		105	Peelu	11-12	V	Do
		106	Peelu	13-14	V	Do
		107	Kheir	10-11	V	Do
		108	Peelu	14-15	V	Do
		109	Kheir	13-14	V	Do
		110	Kheir	11-12	V	Do
		111	Neem	15-16	V	Do
		112	Peelu	10-11	V	Do
		113	Peelu	15-16	V	Do
		114	Peelu	12-13	V	Do
		115	Peelu	14-15	V	Do
		116	Peelu	16-17	V	Do
		117	Peelu	21-22	IV	Do
		118	Bael	41-42	IV A	Do
		119	Bael	18-19	V	Do
		120	Amaltash	12-13	V	Do
		121	Peelu	18-19	V	Do
		122	Peelu	11-12	V	Do
		123	Kheir	10-11	V	Do
		124	Peelu	10-11	V	Do
		125	Bael	48-49	IV A	Do
		126	Bael	27-28	IV	Do
		127	Peelu	15-16	V	Do
		128	Peelu	10-11	V	Do
		129	Kheir	10-11	V	Do
		130	Peelu	18-19	V	Do
		131	Peelu	22-23	IV	Do
		132	Amaltash	12-13	V	Do
		133	Kheir	11-12	V	Do
		134	Peelu	17-18	V	Do
		135	Amaltash	20-22	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		136	Amaltash	12-13	V	Do
		137	Pachka	13-14	V	Do
		138	Pachka	17-18	V	Do
		139	Pachka	36-38	IV	Do
		140	Pachka	21-22	IV	Do
		141	Pachka	22-23	IV	Do
		142	Pachka	12-13	V	Do
		143	Pachka	17-18	V	Do
		144	Pachka	10-11	V	Do
		145	Pachka	17-18	V	Do
		146	Pachka	21-22	IV	Do
		147	Pachka	13-14	V	Do
		148	Pachka	10-11	V	Do
		149	Pachka	24-25	IV	Do
		150	Amaltash	10-11	V	Do
		151	Pachka	35-36	III	Do
		152	Bhawa	27-28	IV	Do
		153	Kheir	15-16	V	Do
		154	Pachka	16-17	V	Do
		155	Amaltash	10-11	V	Do
		156	Amaltash	17-18	V	Do
		157	Amaltash	12-13	V	Do
		158	Pachka	15-16	V	Do
		159	Pachka	12-13	V	Do
		160	Pachka	19-20	V	Do
		161	Pachka	20-21	IV	Do
		162	Kheir	11-12	V	Do
		163	Pachka	19-20	V	Do
		164	Pachka	15-16	V	Do
		165	Kheir	12-13	V	Do
		166	Kheir	15-16	V	Do
		167	Ceshe	12-13	V	Do
		168	Kheir	11-12	V	Do
		169	Kheir	13-14	V	Do
		170	Kheir	15-16	V	Do
		171	Pachka	41-42	II A	Do
		172	Sisham	12-13	V	Do
		173	Amaltash	15-16	V	Do
		174	Amaltash	13-14	V	Do
		175	Pachka	12-13	V	Do
		176	Kheir	13-14	V	Do
		177	Pachka	17-18	V	Do
		178	Pachka	15-16	V	Do
		179	Pachka	17-18	V	Do
		180	Kambal	14-16	V	Do
		181	Ceshe	10-11	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		182	Kanjal	17-18	V	Do
		183	Jhand	31-32	III	Do
		184	Pechha	17-18	V	Do
		185	Arjuna	10-11	V	Do
		186	Pechha	11-12	V	Do
		187	Pechha	21-22	IV	Do
		188	Pechha	25-26	IV	Do
		189	Pechha	12-13	V	Do
		190	Pechha	10-11	V	Do
		191	Arjuna	15-16	V	Do
		192	Pechha	21-22	IV	Do
		193	Pechha	12-13	V	Do
		194	Pechha	21-22	IV	Do
		195	Pechha	25-26	IV	Do
		196	Pechha	21-22	IV	Do
		197	Pechha	13-14	V	Do
		198	Ghatvadh	17-18	V	Do
		199	Arjuna	11-12	V	Do
		200	Pechha	25-26	IV	Do
		201	Arjuna	17-18	V	Do
		202	Pechha	15-16	V	Do
		203	Pechha	12-13	V	Do
		204	Pechha	15-16	V	Do
		205	Pechha	25-2	IV	Do
		206	Jhad	27-28	IV	Do
		207	Bair	10-11	V	Do
		208	Pechha	14-15	V	Do
		209	Pechha	12-13	V	Do
		210	Pechha	13-12	V	Do
		211	Amaltash	12-13	V	Do
		212	Amaltash	13-12	V	Do
		213	Amaltash	12-13	V	Do
		214	Kikar	18-19	V	Do
		215	Pechha	15-16	V	Do
		216	Amaltash	14-13	V	Do
		217	Pechha	16-17	V	Do
		218	Jhal	21-22	IV	Do
		219	Pechha	25-26	IV	Do
		220	Pechha	15-16	V	Do
		221	Amaltash	18-19	V	Do
		222	Jhal	13-12	V	Do
		223	Jhal	17-16	V	Do
		224	Jhal	13-12	V	Do
		225	Jhal	12-12	V	Do
		226	Jhal	12-13	V	Do
		227	Jhal	11-12	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		228	Bdl	24-25	IV	Do
		229	Amaltash	13-14	V	Do
		230	Bdl	19-20	V	Do
		231	Bdl	21-22	IV	Do
		232	Bdl	17-18	V	Do
		233	Bdl	23-24	IV	Do
		234	Bdl	14-15	V	Do
		235	Pechka	15-16	V	Do
		236	Pechka	20-21	IV	Do
		237	Bdl	18-19	V	Do
		238	Bdl	15-16	V	Do
		239	Bad	17-18	V	Do
		240	Bad	23-24	IV	Do
		241	Bad	18-19	V	Do
		242	Pechka	15-16	V	Do
		243	Pechka	12-13	V	Do
		244	Pechka	17-18	V	Do
		245	Pechka	14-15	V	Do
		246	Pechka	15-16	V	Do
		247	Bdl	13-14	V	Do
		248	Pechka	12-13	V	Do
		249	Pechka	11-12	V	Do
		250	Pechka	12-13	V	Do
		251	Bdl	28-29	IV	Do
		252	Bdl	25-26	IV	Do
		253	Bdl	13-13	V	Do
		254	Pechka	11-12	V	Do
		255	Arwala	12-13	V	Do
		256	Kangroo	18-19	V	Do
		257	Kangroo	17-18	V	Do
		258	Kangroo	17-18	V	Do
		259	Kangroo	19-20	V	Do
		260	Kangroo	21-22	V	Do
		261	Pechka	15-16	V	Do
		262	Pechka	18-19	V	Do
		263	Kangroo	13-13	V	Do
		264	Amaltash	11-12	V	Do
		265	Pechka	21-22	V	Do
		266	Pechka	18-19	V	Do
		267	Pechka	12-13	V	Do
		268	Sirsha	11-12	V	Do
		269	Pechka	15-16	V	Do
		270	Amaltash	12-13	V	Do
		271	Amaltash	11-12	V	Do
		272	Pechka	35-36	III	Do
		273	Khrta	12-13	V	Do

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Name of Forest	Khasra No.	Sl No	Species	Dia	Class	Status of Tree
		274	Pechha	11-12	V	Do
		275	Pechha	25-26	IV	Do
		276	Pechha	14-15	V	Do
		277	Pechha	12-13	V	Do
		278	Pechha	13-14	V	Do
		279	Pechha	14-15	V	Do
		280	Pechha	22-23	IV	Do
		281	Pechha	35-36	III	Do
		282	Pechha	40-41	II A	Do
		283	Pechha	15-16	V	Do
		284	Pechha	17-18	V	Do
		285	Pechha	39-40	III	Do
		286	Pechha	25-26	IV	Do
		287	Pechha	31-32	III	Do
		288	Pechha	35-36	III	Do
		289	Arrakash	15-16	V	Do
		290	Arrakash	18-19	V	Do
		291	Pechha	12-13	V	Do
		292	Pechha	39-40	III	Do
		293	Pechha	45-46	II A	Do
		294	Pechha	40-41	II A	Do
		295	Arrakash	12-13	V	Do
		296	Arrakash	11-12	V	Do
		297	Arrakash	11-12	V	Do
		298	Pechha	20-21	IV	Do
		299	Pechha	41-42	II A	Do
		300	Arrakash	15-16	IV	Do
		301	Bair	12-13	V	Do
		302	Pechha	39-40	III	Do
		303	Pechha	20-21	IV	Do
		304	Bharal	11-12	V	Do
		305	Pechha	25-27	IV	Do
		306	Pechha	18-19	V	Do
		307	Pechha	11-12	V	Do
		308	Pechha	39-40	III	Do
		309	Pechha	21-22	IV	Do
		310	Kainth	15-16	IV	Do
		311	Pechha	18-20	V	Do
		312	Pechha	28-29	IV	Do
		313	Pechha	13-15	V	Do
		314	Pechha	18-19	V	Do
		315	Pechha	15-16	IV	Do
		316	Pechha	36-37	III	Do
		317	Kainth	18-19	V	Do
		318	Chanesh	15-16	IV	Do
		319	Arrakash	14-15	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		320	Amaltash	15-16	IV	Do
		321	Pechka	12-13	V	Do
		322	Pechka	29-30	IV	Do
		323	Sarna	13-14	V	Do
		324	Amaltash	11-12	V	Do
		325	Pechka	15-16	V	Do
		326	Amaltash	12-13	V	Do
		327	Amaltash	15-16	IV	Do
		328	Amaltash	31-32	IV	Do
		329	Shisham	14-15	V	Do
		330	Pechka	22-23	IV	Do
		331	Karan	12-13	V	Do
		332	Shisham	11-12	V	Do
		333	Pechka	15-16	IV	Do
		334	Pechka	31-32	IV	Do
		335	Amaltash	15-16	IV	Do
		336	Pechka	14-15	V	Do
		337	Kangoi	12-13	V	Do
		338	Pechka	13-14	V	Do
		339	Jowal	12-13	V	Do
		340	Ghrewli	15-16	IV	Do
		341	Pechka	12-13	V	Do
		342	Pechka	15-16	IV	Do
		343	Amaltash	15-16	IV	Do
		344	Kheir	13-14	IV	Do
		345	Pechka	18-19	V	Do
		346	Pechka	13-14	V	Do
		347	Pechka	12-13	V	Do
		348	Pechka	13-14	V	Do
		349	Amaltash	25-26	IV	Do
		350	Pechka	14-15	V	Do
		351	Pechka	15-16	V	Do
		352	Pechka	18-19	V	Do
		353	Pechka	16-20	V	Do
		354	Shisham	11-12	V	Do
		355	Pechka	17-18	V	Do
		356	Pechka	13-14	V	Do
		357	Pechka	30-31	IV	Do
		358	Bir	14-15	V	Do
		359	Kangoi	14-15	V	Do
		360	Pechka	15-16	V	Do
		361	Kanial	12-13	V	Do
		362	Pechka	12-13	V	Do
		363	Pechka	25-26	IV	Do
		364	Pechka	15-16	V	Do
		365	Pechka	22-23	IV	Do

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Name of Forest	Kiltara No.	Sr No	Species	Dia	Class	Status of Tree
		366	Pechia	24-25	IV	Dr
		367	Kotrik	10-11	V	Dr
		368	Pechia	12-13	V	Dr
		369	Pechia	10-11	V	Dr
		370	Pechia	18-19	V	Dr
		371	Pechia	10-11	V	Dr
		372	Pechia	19-20	V	Dr
		373	Pechia	10-11	V	Dr
		374	Pechia	14-15	V	Dr
		375	Pechia	10-11	V	Dr
		376	Pechia	25-26	IV	Dr
		377	Pechia	14-15	V	Dr
		378	Pechia	12-13	V	Dr
		379	Pechia	12-13	V	Dr
		380	Pechia	11-12	V	Dr
		381	Chamali	15-16	V	Dr
		382	Pechia	30-31	III	Dr
		383	Pechia	19-20	V	Dr
		384	Pechia	15-16	V	Dr
		385	Kokrik	11-12	V	Dr
		386	Amaltash	15-16	V	Dr
		387	Kurgeri	15-16	V	Dr
		388	Kurgeri	11-12	V	Dr
		389	Chamali	11-12	V	Dr
		390	Chamali	15-16	V	Dr
		391	Pechia	25-26	IV	Dr
		392	Pechia	21-22	IV	Dr
		393	Pechia	17-18	V	Dr
		394	Pechia	35-36	III	Dr
		395	Simal	17-18	V	Dr
		396	Pechia	20-21	V	Dr
		397	Kokrik	11-12	V	Dr
		398	Pechia	18-19	V	Dr
		399	Pechia	20-21	IV	Dr
		400	Pechia	11-12	V	Dr
		401	Pechia	15-16	V	Dr
		402	Pechia	35-36	III	Dr
		403	Pechia	10-11	V	Dr
		404	Rowal	11-12	V	Dr
		405	Lacha	12-13	V	Dr
		406	Pechia	15-16	V	Dr
		407	Pechia	15-16	V	Dr
		408	Pechia	11-12	V	Dr
		409	Amaltash	12-13	V	Dr
		410	Pechia	15-16	V	Dr
		411	Lacha	11-12	V	Dr

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		412	Pechia	15-16	V	Do
		413	Kahar	18-19	V	Do
		414	Kanhol	12-13	V	Do
		415	Pechia	20-21	IV	Do
		416	Pechia	11-12	V	Do
		417	Pechia	20-21	IV	Do
		418	Kanjou	11-12	V	Do
		419	Pechia	15-16	V	Do
		420	Amaltash	14-15	V	Do
		421	Pechia	15-16	V	Do
		422	Pechia	11-12	V	Do
		423	Cashia	10-11	V	Do
		424	Pechia	10-11	V	Do
		425	Kanhal	22-23	V	Do
		426	Kanhal	12-13	V	Do
		427	Kanhal	12-13	V	Do
		428	Pechia	15-16	V	Do
		429	Behra	11-12	V	Do
		430	Bair	24-25	IV	Do
		431	Pechia	18-19	V	Do
		432	Pechia	20-21	IV	Do
		433	Pechia	22-23	IV	Do
		434	Pechia	11-12	V	Do
		435	Amaltash	11-12	V	Do
		436	Amaltash	12-13	V	Do
		437	Pechia	17-18	V	Do
		438	Pechia	12-13	V	Do
		439	Jamun	20-21	IV	Do
		440	Jamun	15-16	V	Do
		441	Pechia	12-13	V	Do
		442	Jamun	15-16	V	Do
		443	Amaltash	15-16	V	Do
		444	Amaltash	13-14	V	Do
		445	Pechia	15-16	V	Do
		446	Pechia	16-17	V	Do
		447	Pechia	20-22	IV	Do
		448	Amaltash	12-13	V	Do
		449	Jamun	41-42	IIA	Do
		450	Kakia	21-22	IV	Do
		451	Pechia	16-17	V	Do
		452	Pechia	20-21	IV	Do
		453	Pechia	11-12	V	Do
		454	Pechia	14-15	V	Do
		455	Pechia	10-11	V	Do
		456	Pechia	10-11	V	Do
		457	Pechia	21-22	IV	Do

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		458	Amaltash	17-18	V	Do
		459	Amaltash	10-11	V	Do
		460	Pechta	17-18	V	Do
		461	Pechta	15-17	V	Do
		462	Pechta	14-15	V	Do
		463	Pechta	10-11	V	Do
		464	Pechta	21-22	IV	Do
		465	Pechta	10-11	V	Do
		466	Pechta	13-14	V	Do
		467	Amaltash	14-15	V	Do
		468	Pechta	21-22	IV	Do
		469	Pechta	10-11	V	Do
		470	Pechta	11-12	V	Do
		471	Pechta	11-12	V	Do
		472	Pechta	21-22	IV	Do
		473	Amaltash	12-13	V	Do
		474	Amaltash	10-11	V	Do
		475	Pechta	14-15	V	Do
		476	Amaltash	13-14	V	Do
		477	Amaltash	10-11	V	Do
		478	Pechta	10-11	V	Do
		479	Pechta	10-11	V	Do
		480	Pechta	10-11	V	Do
		481	Kambal	10-11	V	Do
		482	Kambal	10-11	V	Do
		483	Amaltash	19-20	V	Do
		484	Pechta	23-24	IV	Do
		485	Pechta	10-11	V	Do
		486	Pechta	21-22	IV	Do
		487	Pechta	28-29	IV	Do
		488	Jamun	37-38	III	Do
		489	Jamun	41-42	I-A	Do
		490	Jamun	38-45	III	Do
		491	Lesha	15-16	V	Do
		492	Lesha	21-22	IV	Do
		493	Pechta	35-36	III	Do
		494	Pechta	19-20	V	Do
		495	Lesha	13-15	V	Do
		496	Pechta	17-18	V	Do
		497	Pechta	13-15	V	Do
		498	Pechta	25-25	IV	Do
		499	Amaltash	11-12	V	Do
		500	Lesha	15-16	V	Do

ABSTRACT

Sl.No	Species		Class						
			V (>60 cm²)	IV (30-60 cm²)	III (15-30 cm²)	II (A) (7.5-15 cm²)	II (B) (3.8-7.5 cm²)	I (A) (1.9-3.8 cm²)	Total (>1.9 cm²)
1	Pothi	Nos.	172	107	18	2			299
		Vol.	24.334	15.630	17.140	1.8			59.004
2	Amalaw	Nos.	8	8					16
		Vol.	0.869	5.040					10.020
3	Gobbili	Nos.	5						5
		Vol.	0.352						0.768
4	Sal	Nos.	11	6	9	6			32
		Vol.	1.940	1.918	6.150	1.16			11.456
5	Teak	Nos.	1						1
		Vol.	0.34						0.648
6	Jamu	Nos.	3						3
		Vol.	0.709						0.289
7	Chinnanda	Nos.	9	2					9
		Vol.	0.986	0.539					1.964
8	Kasinda	Nos.	11						11
		Vol.	1.348						1.648
9	Gunda	Nos.	4						4
		Vol.	1.109						0.960
10	Jakya	Nos.	2		1				3
		Vol.	0.708		0.730				1.199
11	Tenga	Nos.	13						13
		Vol.	1.829						1.829
12	Gisala	Nos.	27	1					28
		Vol.	2.949	0.240					3.289
13	Jigini	Nos.	6	1					7
		Vol.	0.836	0.249					1.186
14	Thau	Nos.	1						1
		Vol.	0.140						0.140
15	Kadra	Nos.	9	1					10
		Vol.	1.249	0.280					1.529
16	Kakar	Nos.	5						5
		Vol.	0.709						0.709
17	Sonda	Nos.	12						12
		Vol.	1.829						1.829
18	Jar	Nos.	2						2
		Vol.	0.289						0.289
19	Jili	Nos.	24	6					29
		Vol.	3.559	1.370					3.929
20	Kirakal	Nos.	1						1
		Vol.	0.140						0.140
21	Jamu	Nos.	2	1	2	2			7
		Vol.	0.285	0.292	1.46	2.72			4.729
22	Sadar	Nos.	1	1					2
		Vol.	0.140	0.292					0.432
Total		Nos.	376	87	30	12	3	0	509
		Vol.	51.245	23.599	29.844	6.864	0.869	0.000	112.301 M³
Signature		Name	Chetla	Sadi	Kasakal	Pothi	Gobbili		
		Nos.	8	8	6	6	3		
		Sign	Jamu	Chinnanda	Gisala	Kasa	Jamu	Sadar	
		Nos.	4	4	4	4	4	4	

Range Forest Officer
Range Forest Range
Chief Manual (I.F.)

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Enumeration list of green standing trees coming in the aquisition of 10MW Sawni Dam HEP in G-135 Fatan Forest Pariog Beat, Gaghat Block, Karsog forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr. No	Species	Dia	Class	Status of Tree
G-135	455/437	1	Amaltash	12-13	V	Green standing
		2	Amaltash	15-16	V	Do
		3	Peekha	26-27	IV	Do
		4	Amaltash	15-16	V	Do
		5	Peekha	25-26	IV	Do
		6	Bael	26-27	IV	Do
		7	Bael	15-16	V	Do
		8	Peekha	16-17	V	Do
		9	Khair	11-12	V	Do
		10	Amaltash	15-16	V	Do
		11	Khair	12-13	V	Do
		12	Bair	11-12	V	Do
		13	Tun	12-13	V	Do
		14	Semru	15-16	V	Do
		15	Khinak	26-27	IV	Do
		16	Semru	15-16	V	Do
		17	Kokun	12-13	V	Do
		18	Peekha	15-16	V	Do
		19	Chemrula	11-12	V	Do
		20	Semru	15-16	V	Do
		21	Semru	12-13	V	Do
		22	Semru	25-26	IV	Do
		23	Amaltash	11-12	V	Do
		24	Amaltash	12-13	V	Do
		25	Bael	31-32	III	Do
		26	Bael	25-26	IV	Do
		27	Peekha	17-18	V	Do
		28	Kaudwal	11-12	V	Do
		29	Semru	15-16	V	Do
		30	Peekha	12-13	V	Do
		31	Peekha	15-16	V	Do
		32	Semru	12-13	V	Do
		33	Peekha	12-13	V	Do
		34	Peekha	30-31	III	Do
		35	Khair	25-26	IV	Do
		36	Kainar	10-11	V	Do
		37	Bael	15-16	V	Do
		38	Bael	18-19	V	Do
		39	Bael	20-21	IV	Do
		40	Bael	15-16	V	Do
		41	Bael	18-19	V	Do
		42	Bael	17-18	V	Do
		43	Bael	39-40	V	Do
		44	Peekha	12-13	V	Do
		45	Amaltash	10-11	V	Do
		46	Bael	15-16	V	Do
		47	Kainar	14-15	V	Do
		48	Kainar	11-12	V	Do
		49	Peekha	15-16	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		50	Pachlia	14-16	V	Do
		51	Bael	16-19	V	Do
		52	Jamun	25-33	IV	Do
		53	Jamun	23-22	IV	Do
		54	Jamun	26-25	IV	Do
		55	Jamun	22-21	IV	Do
		56	Jamun	12-17	V	Do
		57	Pachla	11-12	V	Do
		58	Pachla	17-16	V	Do
		59	Pachla	15-14	V	Do
		60	Bael	28-29	IV	Do
		61	Bael	30-31	III	Do
		62	Pachla	10-14	V	Do
		63	Bael	14-16	V	Do
		64	Bael	10-12	V	Do
		65	Bael	14-10	V	Do
		66	Bael	12-13	V	Do
		67	Bael	11-12	V	Do
		68	Bael	15-16	V	Do
		69	Bael	14-15	V	Do
		70	Pachla	13-14	V	Do
		71	Pachla	11-12	V	Do
		72	Pachla	15-13	V	Do
		73	Pachla	15-16	V	Do
		74	Pachla	12-11	V	Do
		75	Kalsar	14-15	V	Do
		76	Bael	32-33	III	Do
		77	Pachla	15-16	V	Do
		78	Pachla	14-15	V	Do
		79	Pachla	15-16	V	Do
		80	Amaltash	15-16	V	Do
		81	Pachla	12-13	V	Do
		82	Pachla	18-19	V	Do
		83	Amaltash	12-13	V	Do
		84	Pachla	30-31	III	Do
		85	Pachla	12-13	V	Do
		86	Amaltash	13-14	V	Do
		87	Amaltash	14-15	V	Do
		88	Pachla	26-27	IV	Do
		89	Pachla	15-16	V	Do
		90	Pachla	10-11	V	Do
		91	Pachla	18-19	V	Do
		92	Pachla	16-17	V	Do
		93	Amaltash	11-12	V	Do
		94	Pachla	14-15	V	Do
		95	Pachla	18-19	V	Do
		96	Amaltash	10-11	V	Do
		97	Pachla	20-21	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		96	Pechha	15-19	V	Do
		98	Amaltash	10-11	V	Do
		100	Pichha	11-12	V	Do
		101	Pichha	22-25	IV	Do
		102	Pechha	10-11	V	Do
		103	Pechha	10-11	V	Do
		104	Chirmathi	12-13	V	Do
		105	Ber	10-11	V	Do
		106	Pechha	11-12	V	Do
		107	Bael	40-41	DA	Do
		108	Amaltas	10-11	V	Do
		109	Amaltas	10-11	V	Do
		110	Amaltas	10-11	V	Do
		111	Amaltash	11-12	V	Do
		112	Amaltash	12-13	V	Do
		113	Amaltash	11-12	V	Do
		114	Amaltash	20-21	IV	Do
		115	Kumbal	12-13	V	Do
		116	Pechha	23-24	IV	Do
		117	Amaltash	17-18	V	Do
		118	Kachnar	10-11	V	Do
		119	Sarsa	23-25	IV	Do
		120	Bakain	10-11	V	Do
		121	Bakain	11-12	V	Do
		122	Bakain	10-11	V	Do
		123	Pechha	12-13	V	Do
		124	Sarsa	10-11	V	Do
		125	Pechha	10-11	V	Do
		126	Bael	35-36	IV	Do
		127	Bael	51-52	III	Do
		128	Pechha	10-11	V	Do
		129	Kumbal	170-18	V	Do
		130	Amaltash	11-12	V	Do
		131	Pechha	21-22	IV	Do
		132	Amaltash	11-12	V	Do
		133	Pechha	10-11	V	Do
		134	Pechha	12-13	V	Do
		135	Pechha	19-20	V	Do
		136	Amaltash	11-12	V	Do
		137	Amaltash	12-13	V	Do
		138	Pechha	20-21	IV	Do
		139	Kharia	10-11	V	Do
		140	Pechha	24-25	IV	Do
		141	Pechha	35-37	IV	Do
		142	Amaltash	15-16	V	Do
		143	Pechha	20-21	IV	Do
		144	Pechha	12-13	V	Do
		145	Pechha	19-20	V	Do
		146	Kumbal	11-12	V	Do
		147	Lasha	35-36	IV	Do
		148	Kumbal	10-11	V	Do
		149	Kharik	10-11	V	Do

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ABSTRACT

Sr. No	Species		4 Kms					
			V (cu.m/ha)	IV (cu.m/ha)	III (cu.m/ha)	IIA (cu.m/ha)	IIB (cu.m/ha)	Total (cu.m/ha)
1	Deodar	No.	77	11	2			94
		Vol.	9.870	2.909	1.969			84.543
2	Spruce	No.	7	2				9
		Vol.	0.900	0.524				1.510
3	Chir	No.	2	1				3
		Vol.	0.20	0.210				0.547
4	Kail	No.	2					2
		Vol.	0.165					0.290
5	Blue	No.	18	8	3	1	1	31
		Vol.	2.340	1.248	1.453	1.302	4.103	10.426
6	Ambrosia	No.	19	4				23
		Vol.	1.926	0.240				2.980
7	Juniper	No.	1	4				5
		Vol.	0.145	1.041				1.150
8	Unidentify	No.	2					2
		Vol.	0.250					0.250
9	Bhe	No.	2					2
		Vol.	0.700					0.230
10	Kachnal	No.	4					4
		Vol.	0.700					0.710
11	Kachnar	No.	1					1
		Vol.	0.40					0.140
12	Pahaya	No.	3					3
		Vol.	0.420					0.420
13	Khasia	No.	1					1
		Vol.	0.140					0.140
14	Ladha	No.			1			1
		Vol.			0.150			0.232
15	Khirak	No.	2					2
		Vol.	0.280					0.280
16	Bua	No.	1					1
		Vol.	0.140					0.140
Total		No.	137	27	6	1	1	189
		Vol.	16.580	6.900	3.604	1.302	4.103	32.630 m³
Sapling		No.	Seedling	Poles	Saplings	Poles	Saplings	
		Vol.	2	27	12	27	13	
		No.	Seedlings	Seedlings	Saplings	Charcoal	Total	
		Vol.	9	9	7	5	Nos.	90

Ranger Forest Officer
Kandaghat Forest Range
Distt. Solan (H.P.)

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Enumeration list of green standing trees coming in the acquisition of SDH Sainj Dam HEP in D-135 Fatan Forest Parbuj Beat , Bagshaat Block , Kanag Sweet range of kanag Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-135	1961	1	Anar Fatli	11-12	V	Green standing
		2	Lohta	10-11	V	Do
		3	Dechka	13-16	V	Do
		4	Lohta	11-12	V	Do
		5	Pechka	31-32	III	Do
		6	Pechka	15-16	V	Do
		7	Pechka	22-23	IV	Do
		8	Khair	12-13	V	Do
		9	Pechka	23-24	IV	Do
		10	Amaltash	10-11	V	Do
		11	Amaltash	12-13	V	Do
		12	Khair	15-16	V	Do
		13	Pechka	15-16	V	Do
		14	Bohja	14-15	V	Do
		15	Khair	14-15	V	Do
		16	Amaltash	11-12	V	Do
		17	Amaltash	20-21	IV	Do
		18	Amaltash	14-15	V	Do
		19	Amaltash	14-15	V	Do
		20	Diul	29-30	IV	Do
		21	Diul	23-24	IV	Do
		22	Diul	28-29	IV	Do
		23	Diul	24-25	IV	Do
		24	Diul	16-17	V	Do
		25	Bohja	13-14	V	Do
		26	Pechka	14-15	V	Do
		27	Pechka	11-12	V	Do
		28	Pechka	16-17	V	Do
		29	Pechka	23-24	IV	Do
		30	Pechka	30-31	IV	Do
		31	Pechka	13-14	V	Do
		32	Khair	16-17	V	Do
		33	Semal	34-35	III	Do
		34	Amaltash	16-17	V	Do
		35	Amaltash	13-14	V	Do
		36	Amaltash	11-12	V	Do
		37	Pechka	31-32	III	Do
		38	Pechka	17-18	V	Do
		39	Pechka	16-17	V	Do
		40	Pechka	24-25	IV	Do
		41	Pechka	16-17	V	Do
		42	Pechka	24-25	IV	Do
		43	Pechka	19-20	V	Do
		44	Amaltash	11-12	V	Do
		45	Pechka	13-14	V	Do
		46	Amaltash	15-16	V	Do
		47	Pechka	13-14	V	Do
		48	Pechka	11-12	V	Do
		49	Jaman	24-25	IV	Do
		50	Jaman	28-29	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		51	Jhr	10-11	V	Do
		52	Ayuakash	17-22	V	Do
		53	Poplia	30-24	IV	Do
		54	Poplia	12-13	V	Do
		55	Poplia	15-16	V	Do
		56	Poplia	11-12	V	Do
		57	Poplia	13-14	V	Do
		58	Poplia	15-16	V	Do
		59	Poplia	18-19	V	Do
		60	Poplia	10-11	V	Do
		61	Poplia	12-13	V	Do
		62	Poplia	10-11	V	Do
		63	Poplia	24-26	IV	Do
		64	Poplia	30-31	IV	Do
		65	Ayuakash	12-13	V	Do
		66	Kanhal	10-11	V	Do
		67	Poplia	10-11	V	Do
		68	Poplia	12-13	V	Do
		69	Poplia	15-16	V	Do
		70	Bael	40-41	IIA	Do
		71	Poplia	11-12	V	Do
		72	Poplia	15-16	V	Do
		73	Lasura	15-16	V	Do
		74	Ayuakash	10-11	V	Do
		75	Ayuakash	10-11	V	Do
		76	Khirnie	10-11	V	Do
		77	Ayuakash	10-11	V	Do
		78	Bael	39-40	IV	Do
		79	Ayuakash	10-11	V	Do
		80	Ayuakash	11-12	V	Do
		81	Ayuakash	10-11	V	Do
		82	Ayuakash	11-12	V	Do
		83	Poplia	12-13	V	Do
		84	Poplia	10-11	V	Do
		85	Poplia	13-14	V	Do
		86	Poplia	15-16	V	Do
		87	Poplia	12-13	V	Do
		88	Poplia	15-16	V	Do
		89	Poplia	11-12	V	Do
		90	Ayuakash	10-11	V	Do
		91	Poplia	14-15	V	Do
		92	Poplia	16-17	V	Do
		93	Bael	38-39	V	Do
		94	Chirauda	10-11	V	Do
		95	Bael	14-15	V	Do
		96	Poplia	21-22	IV	Do
		97	Khair	12-13	V	Do
		98	Poplia	21-22	IV	Do
		99	Poplia	16-17	V	Do
		100	Poplia	19-20	V	Do

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ABSTRACT

Sr. No	Species		Class V (Vol.>30 m³)	IV (Vol.>15 m³)	III (Vol.>9 m³)	IIA (Vol.>3 m³)	Total (Vol.>3 m³)
1	Anjantak	Nos.	21	1			22
		Vol.	2.860	0.345			3.205
2	Lendia	Nos.	3				3
		Vol.	0.420				0.420
3	Pachda	Nos.	59	13	2		74
		Vol.	3.480	2.865	1.440		7.785
4	Khair	Nos.	5				5
		Vol.	0.700				0.700
5	Dhaya	Nos.	2				2
		Vol.	0.280				0.280
6	Bel	Nos.	3	2	1	1	7
		Vol.	0.420	1.040	0.730	1.360	3.550
7	Jamun	Nos.			1		1
		Vol.			0.250		0.250
8	Jamun	Nos.		3			3
		Vol.		0.525			0.525
9	Chamrode	Nos.	1				1
		Vol.	0.140				0.140
10	Khair	Nos.	1				1
		Vol.	0.140				0.140
11	Bor	Nos.	1				1
		Vol.	0.140				0.140
12	Kanchal	Nos.	1				1
		Vol.	0.140				0.140
Total		Nos.	97	19	4	1	100
		Vol.	10.780	4.880	2.920	1.360	19.740 M³
Sapling		Sp.	Kanchal	Pachda	Semal	Bhaya	
		Nos.	8	12	5	15	
		Sp.	Kachnar	Amaltash	Khair	Total	
		Nos.	8	18	7	82	

Range Forest Officer
Kalsubai Forest Range
Dist. Nashik (M.S.)

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Enumeration list of great standing trees coming in the alignment of SWM from WP to U.I.S. Kallar-Kerwa Paving Sect., Sagahatti Sect., Uning Tonsi range of Kalsi Forest Division Murree (H.P.) for the year 2018-19.

Name of Forest	Khasra No.	Sr. No.	Species	Dia.	Class	Health of Tree
[illegible]	[illegible]	1	[illegible]	[illegible]	V	[illegible]
		2	[illegible]	[illegible]	V	[illegible]
		3	[illegible]	[illegible]	V	[illegible]
		4	[illegible]	[illegible]	V	[illegible]
		5	[illegible]	[illegible]	V	[illegible]
		6	[illegible]	[illegible]	V	[illegible]
		7	[illegible]	[illegible]	V	[illegible]
		8	[illegible]	[illegible]	V	[illegible]
		9	[illegible]	[illegible]	IV	[illegible]
		10	[illegible]	[illegible]	V	[illegible]
		11	[illegible]	[illegible]	V	[illegible]
		12	[illegible]	[illegible]	IV	[illegible]
		13	[illegible]	[illegible]	V	[illegible]
		14	[illegible]	[illegible]	III	[illegible]
		15	[illegible]	[illegible]	IV	[illegible]
		16	[illegible]	[illegible]	V	[illegible]
		17	[illegible]	[illegible]	IV	[illegible]
		18	[illegible]	[illegible]	V	[illegible]
		19	[illegible]	[illegible]	V	[illegible]
		20	[illegible]	[illegible]	V	[illegible]
		21	[illegible]	[illegible]	V	[illegible]
		22	[illegible]	[illegible]	III	[illegible]
		23	[illegible]	[illegible]	IV	[illegible]
		24	[illegible]	[illegible]	IV	[illegible]
		25	[illegible]	[illegible]	V	[illegible]
		26	[illegible]	[illegible]	V	[illegible]
		27	[illegible]	[illegible]	V	[illegible]
		28	[illegible]	[illegible]	V	[illegible]
		29	[illegible]	[illegible]	V	[illegible]
		30	[illegible]	[illegible]	III	[illegible]
		31	[illegible]	[illegible]	V	[illegible]
		32	[illegible]	[illegible]	V	[illegible]
		33	[illegible]	[illegible]	V	[illegible]
		34	[illegible]	[illegible]	V	[illegible]

ABSTRACT

Sr. No.	Species		Class						
			V (Girth cm^3)	III (Girth cm^3)	II (Girth cm^3)	I-A (Vol. m^3)	I-B (Vol. m^3)	Total (Vol. m^3)	
1	[illegible]	Nos.	[illegible]	[illegible]	[illegible]			[illegible]	
		Vol.	[illegible]	[illegible]	[illegible]			[illegible]	
2	[illegible]	Nos.	[illegible]	[illegible]				[illegible]	
		Vol.	[illegible]	[illegible]				[illegible]	
3	[illegible]	Nos.	[illegible]					[illegible]	
		Vol.	[illegible]					[illegible]	
4	[illegible]	Nos.	[illegible]		[illegible]			[illegible]	
		Vol.	[illegible]		[illegible]			[illegible]	
5	[illegible]	Nos.	[illegible]					[illegible]	
		Vol.	[illegible]					[illegible]	
6	[illegible]	Nos.	[illegible]					[illegible]	
		Vol.	[illegible]					[illegible]	
7	[illegible]	Nos.	[illegible]					[illegible]	
		Vol.	[illegible]					[illegible]	
8	[illegible]	Nos.			[illegible]			[illegible]	
		Vol.			[illegible]			[illegible]	
Total		Nos.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		Vol.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M³
Species		Sp.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
		Nos.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
		Agg.	[illegible]	[illegible]	[illegible]				
		Sav.	[illegible]	[illegible]	Nos.	[illegible]			

[illegible] Forest Officer
[illegible] Forest Range
[illegible]

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Enumeration list of green standing trees existing in the coupe/area of SIVN Scheme (Sanction No. [illegible] dt. [illegible]) Kalloor Forest Padag Beat , Kaipakud Block , Kamaji forest range of Kannur Kannur Division Situated [illegible] for the year 2018-19.

Name of Forest	Khasra No.	Sr. No.	Species	Dia	Class	Status of Tree
B-135	182/3/2	1	Sisham	33.70	III	Green Standing
		2	Pashla	15.16	V	Do
		3	Sisham	42.53	V	Do
		4	Sisham	36.81	V	Do
		5	Chanvala	11.45	V	Do
		6	Pashla	12.53	V	Do
		7	Khair	42.93	V	Do
		8	Chanvala	10.81	V	Do
		9	Pashla	11.47	V	Do

ABSTRACT

Sr. No	Species		Class					
			V (Volume)	IV (Volume)	III (Volume)	II-A (Volume)	II-B (Volume)	Total (Volume)
1	Sisham	Nos.	2		1			3
		Vol.	0.290		0.730			1.020
2	Pashla	Nos.	5					5
		Vol.	0.450					0.450
3	Chanvala	Nos.	2					2
		Vol.	0.290					0.290
4	Khair	Nos.	1					1
		Vol.	0.140					0.140
Total		Nos.	8	0	1	0	0	9
		Vol.	1.120	0.000	0.730	0.000	0.000	1.850 M³
Sapling		Sap.	Pashla	Chanvala	Khair	Sisham	Total	
		Nos.	2	1	1	1	Nos.	5

Range Forest Officer
Kannur Forest Range
Kannur Division (W.P.)

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Enumeration list of green standing trees coming in the acquisition of DMS Sumi Dam HEP in D-126 Parlag Forest Parlag Beat , Sugihat Block , Karsog forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-126	255/1/1	1	Bael	15-16	V	Green standing
		2	Bael	12-13	V	Do
		3	Amaltash	16-17	V	Do
		4	Pathia	15-16	V	Do
		5	Pathia	13-14	V	Do
		6	Pathia	18-19	V	Do
		7	Pathia	20-21	IV	Do
		8	Pathia	19-20	V	Do
		9	Bael	10-11	V	Do
		10	Amaltash	12-13	V	Do
		11	Pathia	15-16	V	Do
		12	Amaltash	12-13	V	Do
		13	Pathia	15-16	V	Do
		14	Pathia	13-13	V	Do
		15	Pathia	16-17	V	Do
		16	Pathia	21-22	IV	Do
		17	Pathia	12-13	V	Do
		18	Pathia	11-12	V	Do
		19	Pathia	17-18	V	Do
		20	Amaltash	15-16	V	Do
		21	Pathia	18-19	V	Do
		22	Pathia	25-26	IV	Do
		23	Amaltash	11-12	V	Do
		24	Amaltash	11-12	V	Do
		25	Amaltash	13-14	V	Do
		26	Amaltash	14-15	V	Do
		27	Amaltash	12-13	V	Do
		28	Amaltash	14-15	V	Do
		29	Amaltash	12-13	V	Do
		30	Amaltash	11-12	V	Do
		31	Sirishan	13-14	V	Do
		32	Bael	12-13	V	Do
		33	Pathia	18-19	V	Do
		34	Pathia	10-11	V	Do
		35	Pathia	13-14	V	Do
		36	Pathia	15-16	V	Do
		37	Pathia	11-12	V	Do
		38	Jamun	15-16	V	Do
		39	Jamun	15-16	V	Do
		40	Pathia	13-14	V	Do
		41	Pathia	12-13	V	Do
		42	Bael	11-12	V	Do
		43	Pathia	13-14	V	Do
		44	Amaltash	18-19	V	Do
		45	Sirishan	11-12	V	Do
		46	Amaltash	12-13	V	Do
		47	Amaltash	11-12	V	Do
		48	Pathia	13-14	V	Do
		49	Pathia	11-12	V	Do
		50	Sirishan	12-13	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		51	Neddka	11-12	V	Dry
		52	Neddka	14-13	V	Dry
		53	Neddka	17-18	V	Dry
		54	Neddka	15-16	V	Dry
		55	Neddka	13-14	V	Dry
		56	Amaltash	11-12	V	Dry
		57	Bael	11-12	V	Dry
		58	Neddka	14-15	V	Dry
		59	Neddka	11-12	V	Dry
		60	Bael	18-19	V	Dry
		61	Bael	23-26	IV	Dry
		62	Bael	16-17	V	Dry
		63	Bael	11-12	V	Dry
		64	Amaltash	10-11	V	Dry
		65	Amaltash	12-13	V	Dry
		66	Neddka	11-12	V	Dry
		67	Ganeeda	13-12	V	Dry
		68	Ganeeda	15-16	V	Dry
		69	Neddka	13-14	V	Dry
		70	Neddka	15-16	V	Dry
		71	Amaltash	12-13	V	Dry
		72	Amaltash	11-12	V	Dry
		73	Amaltash	13-14	V	Dry
		74	Neddka	12-13	V	Dry
		75	Amaltash	14-12	V	Dry
		76	Neddka	12-13	V	Dry
		77	Neddka	13-14	V	Dry
		78	Amaltash	14-12	V	Dry
		79	Amaltash	10-11	V	Dry
		80	Neddka	11-12	V	Dry
		81	Amaltash	10-11	V	Dry
		82	Bael	15-16	V	Dry
		83	Bael	17-18	V	Dry
		84	Bael	23-26	IV	Dry
		85	Bael	12-13	V	Dry
		86	Neddka	15-16	V	Dry
		87	Neddka	13-14	V	Dry
		88	Neddka	18-19	V	Dry
		89	Neddka	21-22	IV	Dry
		90	Neddka	15-16	V	Dry
		91	Bael	15-16	V	Dry
		92	Neddka	18-19	V	Dry
		93	Neddka	11-12	V	Dry
		94	Neddka	26-31	IV	Dry
		95	Neddka	12-13	V	Dry
		96	Neddka	18-19	V	Dry
		97	Bael	40-41	III	Dry
		98	Neddka	21-22	IV	Dry
		99	Neddka	12-13	V	Dry
		100	Shisham	17-18	V	Dry

Note: New plantation area 0.1 Ha. Paring = 03 feet. Dare Pitting plants = 1500 Nos. Year 2018-19.

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227

ABSTRACT

Sr. No	Species		Class V (Vol.M³)	IV (Vol.M³)	III (Vol.M³)	IIA (Vol.M³)	Total (Vol.M³)
1	Bial	Nos.	11	2	2		15
		Vol.	1.540	0.520	0.980		3.040
2	Amaltash	Nos	24				24
		Vol.	3.360				3.360
3	Pachla	Nos.	43	6			51
		Vol.	6.300	1.568			7.868
4	Khokan	Nos.	4				4
		Vol.	0.560				0.560
5	Semru	Nos.	2				2
		Vol.	0.280				0.280
6	Semial	Nos.	1				1
		Vol	0.140				0.140
7	Chamrola	Nos.	2				2
		Vol.	0.280				0.280
8	Sum	Nos.	1				1
		Vol.	0.140				0.140
Total		Nos.	90	8	2	0	180
		Vol.	12.680	2.088	1.401	0.050	16.140 M³
Sapling		Spp	Semial	Pachla	Semru		
		Nos.	5	11	2		
		Spp	Chamrola	Amaltash	Khoon	Total	
		Nos.	9	6	9	45	

Note:- New plantation area 0-1.56, Pachg. = 0.5 Hect. Shesh P-Rooj plants = 1500 Nos., Year 2018-19.

Range Forest Officer
Kalsog Forest Range
Distt. Mandi (H.P.)

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Enumeration list of green standing trees coming in the alignment of 5MW Sawai Dam HEP in D-136 Parlog Forest Parlog Beat , Bagshad Block , Kamag forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-136	235/24/1/1	1	Bael	47-48	IIA	Green standing
		2	Bael	35-36	IV	Do
		3	Bael	42-43	IIA	Do
		4	Peedda	10-11	V	Do
		5	Bael	21-22	IV	Do
		6	Peedda	10-11	V	Do
		7	Peedda	13-14	V	Do
		8	Jamun	21-22	IV	Do
		9	Peedda	12-13	V	Do
		10	Kinar	13-14	V	Do
		11	Bael	30-31	III	Do
		12	Jamun	45-47	IIA	Do
		13	Peedda	11-12	V	Do
		14	Shisham	10-11	V	Do
		15	Shisham	12-13	V	Do
		16	Jamun	24-25	IV	Do
		17	Jamun	14-15	V	Do
		18	Chamroh	15-16	V	Do
		19	Saaal	12-13	V	Do
		20	Peedda	10-11	V	Do
		21	Peedda	16-17	V	Do
		22	Peedda	13-14	V	Do
		23	Peedda	11-12	V	Do
		24	Peedda	15-16	V	Do
		25	Bael	70-71	IV	Do
		26	Bael	16-17	V	Do
		27	Peedda	13-14	V	Do
		28	Peedda	12-13	V	Do
		29	Peedda	10-11	V	Do
		30	Peedda	15-16	V	Do
		31	Peedda	12-13	V	Do
		32	Chimroda	10-11	V	Do
		33	Peedda	15-16	V	Do
		34	Peedda	12-13	V	Do
		35	Peedda	10-11	V	Do
		36	Amaltaas	10-11	V	Do
		37	Bael	13-14	V	Do
		38	Amaltaas	10-11	V	Do
		39	Amaltaas	12-13	V	Do
		40	Amaltaas	16-17	V	Do
		41	Peedda	11-12	V	Do
		42	Shisham	15-16	V	Do
		43	Shisham	19-20	V	Do
		44	Shisham	25-26	IV	Do
		45	Shisham	22-23	IV	Do
		46	Shisham	38-40	III	Do
		47	Shisham	42-43	IIA	Do
		48	Shisham	35-36	III	Do
		49	Vegitt	11-12	V	Do
		50	Peedda	20-21	IV	Do

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ABSTRACT

Sl. No	Species		Class					Total (Vol./M²)
			V (Vol./M²)	IV (Vol./M²)	III (Vol./M²)	IIA (Vol./M²)	IIB (Vol./M²)	
1	Oak	Nos.	3	3	1		2	9
		Vol.	0.780	1.380	0.730		1.940	4.850
2	Pachhi	Nos.	1	1				2
		Vol.	0.310	0.280				0.590
3	Jamun	Nos.	1	2		1		4
		Vol.	0.340	0.530		1.360		2.230
4	Lakor	Nos.	1					1
		Vol.	0.140					0.140
5	Shisham	Nos.	4	3	1	1		9
		Vol.	0.560	0.920	0.460	360		1.980
6	Charmrdo	Nos.	2					2
		Vol.	0.720					0.720
7	Amaltash	Nos.	4					4
		Vol.	0.560					0.560
8	Nyale	Nos.	1					1
		Vol.	0.140					0.140
9	Anon	Nos.	1					1
		Vol.	0.140					0.140
Total		Nos.	39	9	2	2	2	50
		Vol.	4.980	2.880	2.090	2.720	3.940	14.910 M³
Sapling		Spp.	Semen	Cochlo	Ficus			
		Nos.	3	4	3			
		Spp.	Azadirach	Bauh	Shorea	Teak		
		Nos.	3	9	8	13		

Range Forest Officer
Kamrej Forest Range
Distt. Surat (H.P.)

Enumeration list of green standing trees coming in the saturation of SMW Sumti Dam HEP in B-135 Parbig Forest Parbig Beat , Bagshed Block , Kameng forest range of Kameng Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
B-135	235/24/2	1	Shisham	28-31	III	Green standing
		2	Shisham	10-11	V	Do
		3	Shisham	10-11	V	Do
		4	Shisham	15-19	V	Do
		5	Shisham	25-26	IV	Do
		6	Shisham	25-26	III	Do
		7	Kanhal	10-11	V	Do
		8	Shisham	15-16	V	Do
		9	Shisham	12-13	V	Do
		10	Shisham	14-15	V	Do
		11	Shisham	15-16	V	Do
		12	Shisham	12-13	V	Do
		13	Shisham	10-11	V	Do
		14	Shisham	13-14	V	Do
		15	Shisham	11-12	V	Do
		16	Shisham	10-11	V	Do
		17	Shisham	13-14	V	Do
		18	Shisham	12-13	V	Do
		19	Shisham	10-11	V	Do
		20	Shisham	13-14	V	Do
		21	Shisham	14-15	V	Do
		22	Shisham	13-14	V	Do
		23	Shisham	12-13	V	Do
		24	Shisham	11-12	V	Do
		25	Shisham	12-13	V	Do

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ABSTRACT

Sr. No	Species		Class				Total (Vol./M³)
			V (0.6–0.7)	IV (0.5–0.6M³)	III (0.4–0.5M³)	II & (Vol./M³)	
3	Shisham	Nos.	21	3	3		27
		Vol.	2.880	0.768	1.020		4.668
4	Kandial	Nos.	8				8
		Vol.	0.144				0.144
Total		Nos.	29	4	3	0	35
		Vol.	3.024	0.768	1.020	0.000	4.812 M³
Sapling		Sp.	Species	Poles	Poles		
		Nos.	5	4	5		
		Sp.	Shisham			3 (m)	
		Nos.	6			28	

Range Forest Officer
Farooka Forest Range
Forest Division [illegible]

Enumeration list of green standing trees existing in the coupe/plot of GVR Survey Dist WEP in D-136 Parlag Forest Parlag Beat , Rajahat Block , Kalimpong forest range of Kalimpong Forest Division (West) (M.P) for the year 2024-25.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-136	257/P/1	1	Sirishum	16-25	V	Green standing
		2	Sirishum	25-34	V	Do
		3	Sirishum	35-43	V	Do
		4	Sirishum	16-11	V	Do
		5	Sirishum	15-24	V	Do
		6	Sirishum	16-25	V	Do
		7	Sirishum	25-34	V	Do
		8	Sirishum	25-43	V	Do
		9	Sirishum	14-25	V	Do
		10	Sirishum	25-35	V	Do
		11	Sirishum	14-15	V	Do
		12	Sirishum	15-64	V	Do
		13	Sirishum	35-37	V	Do
		14	Sirishum	12-13	V	Do
		15	Sirishum	15-54	V	Do
		16	Sirishum	10-11	V	Do
		17	Sirishum	12-13	V	Do
		18	Sirishum	15-54	V	Do
		19	Sirishum	46-47	V	Do
		20	Sirishum	14-15	V	Do
		21	Sirishum	25-35	V	Do
		22	Sirishum	15-24	V	Do
		23	Sirishum	12-13	V	Do
		24	Sirishum	35-40	V	Do
		25	Sirishum	14-42	V	Do

ABSTRACT

Sr. No	Species			Class V (>60 cm)	IV (>45-60 cm)	III (>30-45 cm)	IIA (>15-30 cm)	Total (Vol. in m³)
1	Sirishum		Nos.	25				25
			Vol.	3.560				3.560
Total			Nos.	25	0	0	0	25
			Vol.	3.560	0.000	0.000	0.000	3.560 m³
Sapling		Nos	Girth cm			Total		
		Rmt.	15			15		

Range Forest Officer
Kalimpong Forest Range

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253

Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in D-136 Parlag Forest Parlag Beat , Bagshad Block , Karsog forest range of karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-136	256/0/1	1	Bed	15-13	V	Green standing
		2	Bed	15-16	V	Do
		3	Bed	17-18	V	Do
		4	Pechla	17-18	V	Do
		5	Bakyn	15-16	V	Do
		6	Bakyn	11-12	V	Do
		7	Anarbash	10-11	V	Do
		8	Anarbash	15-16	V	Do
		9	Anarbash	21-22	IV	Do
		10	Pechla	15-16	V	Do
		11	Pechla	15-16	V	Do
		12	Pechla	17-18	V	Do
		13	Pechla	19-20	V	Do
		14	Bekya	21-22	IV	Do
		15	Bekya	15-16	V	Do
		16	Pechla	14-15	V	Do
		17	Pechla	15-16	V	Do

ABSTRACT

Sr. No	Species		Class V (Vol-M³)	IV (Vol-M³)	III (Vol-M³)	Total (Vol-M³)
1	Bed	Nos.	3			3
		Vol.	0.420			0.420
2	Pechla	Nos.	7			7
		Vol.	0.980			0.980
3	Anarbash	Nos.	2	1		3
		Vol.	0.280	0.260		0.540
4	Bakya	Nos.	3	1		4
		Vol.	0.420	0.260		0.680
Total		Nos.	15	2	0	17
		Vol.	2.100	0.520	0.000	2.620 m³
Sapling		Spp.	Anarbash	Pechla	Total	
		Nos.	3	4	Nos.	12

Range Forest Officer
Parlag Forest Range
Distt. Mandi (H.P.)

Enumeration list of green standing trees coming in the acquisition of MNI Sunni Dam HEP in U-236 Parlog Forest Parlog Beat , Bagshot Block , Karsog forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr.No	Species	DBh	Class	Status of Tree
U-236	2281	1	Shisham	14-15	V	Green standing
		2	Shisham	15-16	V	Do
		3	Shisham	14-15	V	Do
		4	Shisham	15-16	IV	Do
		5	Shisham	12-13	V	Do
		6	Beul	13-15	V	Do
		7	Beul	11-12	V	Do
		8	Shisham	10-11	V	Do
		9	Shisham	14-12	V	Do
		10	Amaltas	12-13	V	Do
		11	Shisham	10-11	V	Do
		12	Kachnar	12-14	V	Do
		13	Lakhnir	10-11	V	Do
		14	Shisham	12-13	V	Do
		15	Shisham	11-12	V	Do
		16	Shisham	10-11	V	Do
		17	Shisham	11-12	V	Do
		18	Shisham	13-14	V	Do
		19	Shisham	12-13	V	Do
		20	Sohjna	11-12	V	Do
		21	Bahera	11-12	V	Do
		22	Sohjna	13-14	V	Do
		23	Dahija	12-13	V	Do
		24	Pacchia	11-12	V	Do
		25	Amaltash	12-13	V	Do

ABSTRACT

Tr. No	Species		Class V (Vol. in M³)	IV (Vol-M³)	III (Vol-M³)	IIA (Vol-M³)	Total (Vol-M³)
1	Shisham	Nos.	16	1			17
		Vol.	2.240	0.260			2.500
2	Beul	Nos.	2				2
		Vol.	0.240				0.240
3	Amaltash	Nos.	2				2
		Vol.	0.280				0.280
4	Dahija	Nos.	3				3
		Vol.	0.420				0.420
5	Pachhia	Nos.	1				1
		Vol.	0.140				0.140
Total:		Nos.	24	1	0	0	25
		Vol.	3.360	0.260	0.000	0.000	3.620 M³
Sapling		Sp.	Shisham	Pachhia	Amaltash		
		Nos.	5	6	5		
		Sp.	Total				
		Nos.	17				

Range Forest Officer
Karsog Forest Range
Distt. Mandi (H.P.)

Enumeration list of green standing trees coming in the acquisition of 52MW Sorni Dam HEP in B-214 Jhurjhan Forest Nihari Kul Beat , Seri Block ,Seri forest range of Karsog Forest Division Mandi (HP) for the year 2018-19.

Name of Forest	Sl No	Species	Dia	Class	Status of Tree
B-214	1	Pechla	11-12	V	Green Standing
	2	Pechla	10-11	V	Do
	3	Pechla	12-13	V	Do
	4	Pechla	10-11	V	Do
	5	Pechla	11-12	V	Do
	6	Pechla	13-14	V	Do
	7	Pechla	16-17	V	Do
	8	Pechla	12-13	V	Do
	9	Pechla	18-19	V	Do
	10	Pechla	10-11	V	Do
	11	Pechla	19-20	V	Do
	12	Bargal	15-16	V	Do
	13	Bargal	31-32	IV	Do
	14	Bargal	29-30	IV	Do
	15	Bargal	19-20	V	Do
	16	Bargal	31-32	III	Do
	17	Bargal	14-15	V	Do
	18	Pechla	11-12	V	Do
	19	Pechla	13-14	V	Do
	20	Pechla	24-25	IV	Do
	21	Pechla	10-11	V	Do
	22	Bargal	21-22	IV	Do
	23	Bargal	12-13	V	Do
	24	Bargal	41-42	II A	Do
	25	Bargal	62-63	I A	Do
	26	Bargal	34-35	III	Do
	27	Bargal	30-32	III	Do
	28	Bargal	21-22	IV	Do
	29	Bargal	14-15	V	Do
	30	Bargal	95-96	I D	Do
	31	Bargal	88-89	I C	Do
	32	Bargal	61-62	I A	Do
	33	Bargal	61-62	I A	Do
	34	Bargal	21-22	IV	Do
	35	Bargal	91-92	I D	Do
	36	Chirla	17-18	V	Do
	37	Bargal	21-22	IV	Do
	38	Pechla	23-24	IV	Do
	39	Bargal	14-15	V	Do
	40	Bargal	38-39	III	Do
	41	Pechla	14-15	V	Do
	42	Bargal	55-56	II A	Do
	43	Pechla	11-12	V	Do
	44	Pechla	23-24	IV	Do
	45	Kainth	18-19	V	Do
	46	Kainth	24-25	IV	Do

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Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	47	Eucalyptus	11-12	V	Do
	48	Peepal	12-13	V	Do
	49	Jamun	16-17	V	Do
	50	Peepal	25-26	IV	Do
	51	Shisham	11-12	V	Do
	52	Shisham	15-16	V	Do
	53	Shisham	18-19	V	Do
	54	Peepal	14-15	V	Do
	55	Shisham	17-18	V	Do
	56	Kheri	22-23	IV	Do
	57	Kheri	24-25	IV	Do
	58	Bawal	15-16	V	Do
	59	Kheri	14-15	V	Do
	60	Peepal	10-11	V	Do
	61	Peepal	12-13	V	Do
	62	Peepal	12-13	V	Do
	63	Tun	21-22	IV	Do
	64	Peepal	14-15	V	Do
	65	Peepal	14-15	V	Do
	66	Peepal	13-13	V	Do
	67	Peepal	10-11	V	Do
	68	Peepal	10-11	V	Do
	69	Peepal	10-11	V	Do
	70	Kikar	12-13	V	Do
	71	Kikar	13-14	V	Do
	72	Kheri	17-18	V	Do
	73	Kikar	11-12	V	Do
	74	Shisham	11-12	V	Do
	75	Shisham	14-15	V	Do
	76	Shisham	10-11	V	Do
	77	Shisham	13-14	V	Do
	78	Jamun	15-16	V	Do
	79	Jamun	20-21	IV	Do
	80	Jamun	14-15	V	Do
	81	Shisham	11-12	V	Do
	82	Jamun	11-12	V	Do
	83	Bawal	12-13	V	Do
	84	Shisham	18-19	V	Do
	85	Shisham	16-17	V	Do
	86	Peepal	13-14	V	Do
	87	Shisham	15-16	V	Do
	88	Shisham	11-12	V	Do
	89	Shisham	20-21	IV	Do
	90	Shisham	17-18	V	Do
	91	Jamun	23-24	IV	Do
	92	Jamun	10-20	V	Do
	93	Shisham	15-16	V	Do
	94	Babul	10-11	V	Do
	95	Peepal	14-15	V	Do

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Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	95	Jamun	45-46	II A	Do
	97	Jamun	16-17	V	Do
	98	Pachla	18-19	V	Do
	99	Pachla	19-20	V	Do
	100	Pachla	19-20	V	Do
	101	Bawal	12-13	V	Do
	102	Pachla	14-15	V	Do
	103	Jamun	16-17	V	Do
	104	Jamun	10-11	V	Do
	105	Shisham	14-15	V	Do
	106	Shisham	30-31	IV	Do
	107	Shisham	12-13	V	Do
	108	Shisham	13-14	V	Do
	109	Pachla	13-14	V	Do
	110	Kikar	50-51	IV	Do
	111	Pachla	31-32	III	Do
	112	Pachla	18-19	V	Do
	113	Pachla	14-13	V	Do
	114	Pachla	11-12	V	Do
	115	Pachla	18-19	V	Do
	116	Pachla	12-13	V	Do
	117	Pachla	15-16	V	Do
	118	Pachla	14-13	V	Do
	119	Ber	20-21	IV	Do
	120	Kikar	15-16	V	Do
	121	Pipal	27-28	IV	Do
	122	Kikar	11-12	V	Do
	123	Pachla	10-11	V	Do
	124	Pachla	24-25	IV	Do
	125	Kikar	20-21	IV	Do
	126	Kikar	10-11	V	Do
	127	Kanool	18-19	V	Do
	128	Amla	12-13	V	Do
	129	Amla	20-21	IV	Do
	130	Amla	20-21	IV	Do
	131	Kikar	10-11	V	Do
	132	Kikar	11-12	V	Do
	133	Drek	11-12	V	Do
	134	Jaspa	20-21	IV	Do
	135	Chil	14-15	V	Do
	136	Sarso	10-11	V	Do
	137	Peepla	10-11	V	Do
	138	Pechla	19-20	V	Do
	139	Pechla	17-18	V	Do
	140	Pechla	10-11	V	Do
	141	Sirsa	20-21	IV	Do
	142	Sirsa	11-12	V	Do
	143	Barpat	60-61	I A	Do
	144	Pechla	22-23	IV	Do

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Name of Forest	Sr.No	Species	Dia	Class	Status of Tree
	145	Neelia	20-21	IV	Do
	146	Shisham	23-26	IV	Do
	147	Khair	23-25	IV	Do
	148	Bawal	11-12	V	Do
	149	Kheir	16-17	V	Do
	150	Kheir	11-12	V	Do
	151	Khair	10-11	V	Do
	152	Bargad	20-21	IV	Do
	153	Neem	11-12	V	Do
	154	Neem	11-12	V	Do
	155	Neem	12-13	V	Do
	156	Neem	11-12	V	Do
	157	Neem	10-11	V	Do
	158	Neem	12-13	V	Do
	159	Neem	10-11	V	Do
	160	Neem	18-19	V	Do
	161	Neem	11-12	V	Do
	162	Kanjhal	16-17	V	Do
	163	Neem	10-11	V	Do
	164	Khair	16-17	V	Do
	165	Bawal	20-21	IV	Do
	166	Neem	14-15	V	Do
	167	Kheir	19-20	V	Do
	168	Neem	14-15	V	Do
	169	Neem	18-19	V	Do
	170	Bawal	14-15	V	Do
	171	Bawal	11-12	V	Do
	172	Arjhun	20-21	IV	Do
	173	Neem	28-29	IV	Do
	174	Bawal	18-19	V	Do
	175	Bawal	22-23	IV	Do
	176	Bawal	11-12	V	Do
	177	Arjhun	24-25	IV	Do
	178	Neem	20-21	IV	Do
	179	Neem	18-19	V	Do
	180	Neem	19-20	V	Do
	181	Neem	12-13	V	Do
	182	Neem	22-23	IV	Do
	183	Neem	27-28	IV	Do
	184	Neem	14-15	V	Do
	185	Neem	20-21	IV	Do
	186	Neem	27-28	IV	Do
	187	Neem	15-16	V	Do
	188	Jamun	20-21	IV	Do
	189	Jamun	38-39	III	Do
	190	Jamun	11-12	V	Do
	191	Neem	21-22	IV	Do
	192	Neem	20-21	IV	Do
	193	Neem	16-17	V	Do

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Name of Forest	Sr No	Species	Dia	Class	Status of Frec
	194	Sisham	11-12	V	Do
	195	Kikrik	16-17	V	Do
	196	Sisham	14-15	V	Do
	197	Shisham	13-14	V	Do
	198	Kondol	17-18	V	Do
	199	Khirak	14-15	V	Do
	200	Bhual	10-11	V	Do
	201	Bhual	11-12	V	Do
	202	Phulai	23-24	IV	Do
	203	Phulai	13-14	V	Do
	204	Phulai	18-19	V	Do
	205	Phulai	20-21	IV	Do
	206	Bhual	11-12	V	Do
	207	Bhual	16-17	V	Do
	208	Phulai	11-12	V	Do
	209	Khirak	16-17	V	Do
	210	Phulai	12-13	V	Do
	211	Kumbal	13-14	V	Do
	212	Phulai	10-11	V	Do
	213	Khirak	10-11	V	Do
	214	Kumbal	13-14	V	Do
	215	Kumbal	10-11	V	Do
	216	Khirak	10-11	V	Do
	217	Phulai	16-17	V	Do
	218	Phulai	11-12	V	Do
	219	Bargad	27-28	V	Do
	220	Bargad	30-31	III	Do
	221	Bargad	20-21	IV	Do
	222	Bargad	11-12	V	Do
	223	Bargad	12-13	V	Do
	224	Phulai	12-13	V	Do
	225	Phulai	15-16	V	Do
	226	Phulai	10-11	V	Do
	227	Phulai	18-19	V	Do
	228	Lasha	15-16	V	Do
	229	Lasha	30-31	IV	Do
	230	Kumbal	11-12	V	Do
	231	Phulai	10-11	V	Do
	232	Bargad	38-39	III	Do
	233	Phulai	12-13	V	Do
	234	Phulai	10-11	V	Do
	235	Phulai	17-18	V	Do
	236	Phulai	12-13	V	Do
	237	Phulai	14-15	V	Do
	238	Phulai	13-14	V	Do
	239	Phulai	16-17	V	Do
	240	Kumbal	10-11	V	Do
	241	Kumbal	11-12	V	Do
	242	Phulai	13-14	V	Do

Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	243	Semu	13-14	V	Dr
	244	Semu	10-11	V	Dr
	245	Pachka	12-13	V	Dr
	246	Pachka	18-19	V	Dr
	247	Pachka	13-13	V	Dr
	248	Pachka	21-22	IV	Dr
	249	Pachka	18-19	V	Dr
	250	Pachka	20-21	IV	Dr
	251	Pachka	11-12	V	Dr
	252	Pachka	13-13	V	Dr
	253	Pachka	12-13	V	Dr
	254	Pachka	10-11	V	Dr
	255	Pachka	14-13	V	Dr
	256	Pachka	10-11	V	Dr
	257	Pachka	10-11	V	Dr
	258	Pachka	18-19	V	Dr
	259	Pachka	11-12	V	Dr
	260	Pachka	13-16	V	Dr
	261	Pachka	12-13	V	Dr
	262	Pachka	13-13	V	Dr
	263	Pachka	13-14	V	Dr
	264	Pachka	17-18	V	Dr
	265	Pachka	15-16	V	Dr
	266	Pachka	13-14	V	Dr
	267	Pachka	15-16	V	Dr
	268	Pachka	11-12	V	Dr
	269	Pachka	17-18	V	Dr
	270	Pachka	31-32	III	Dr
	271	Pachka	14-15	V	Dr
	272	Pachka	13-14	V	Dr
	273	Pachka	12-13	V	Dr
	274	Pachka	21-22	IV	Dr
	275	Pachka	13-14	V	Dr
	276	Pachka	18-19	V	Dr
	277	Pachka	17-18	V	Dr
	278	Pachka	14-15	V	Dr
	279	Pachka	22-23	IV	Dr
	280	Pachka	10-11	V	Dr
	281	Pachka	19-20	V	Dr
	282	Bargad	17-18	V	Dr
	283	Ber	23-24	IV	Dr
	284	Pachka	21-22	IV	Dr
	285	Pachka	22-23	IV	Dr
	286	Bargad	25-26	IV	Dr
	287	Bargad	16-17	V	Dr
	288	Bargad	28-29	IV	Dr
	289	Bargad	13-14	V	Dr
	290	Bargad	45-46	III	Dr
	291	Chanvada	11-12	V	Dr

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Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	292	Sisam	12-13	V	Do
	293	Sisam	12-13	V	Do
	294	Bhagad	50-52	IIA	Do
	295	Pechla	14-15	V	Do
	296	Pechla	20-21	IV	Do
	297	Pechla	24-25	IV	Do
	298	Pechla	13-14	V	Do
	299	Pechla	12-13	V	Do
	300	Pechla	10-11	V	Do
	301	Sisam	12-13	V	Do
	302	Sisam	19-20	V	Do
	303	Pachla	30-31	IV	Do
	304	Pachla	13-14	V	Do
	305	Pachla	14-15	V	Do
	306	Tamba	12-13	V	Do
	307	Pachla	13-14	V	Do
	308	Pachla	14-15	V	Do
	309	Pachla	12-13	V	Do
	310	Bor	17-18	V	Do
	311	Pachla	13-14	V	Do
	312	Pachla	15-16	V	Do
	313	Pachla	15-16	V	Do
	314	Pachla	28-31	IV	Do
	315	Pachla	19-20	V	Do
	316	Pachla	16-17	V	Do
	317	Pachla	20-21	IV	Do
	318	Pachla	24-25	IV	Do
	319	Pachla	14-15	V	Do
	320	Pachla	20-21	IV	Do
	321	Pachla	16-17	V	Do
	322	Pachla	17-18	V	Do
	323	Bargad	20-21	IV	Do
	324	Bargad	18-19	V	Do
	325	Pachla	10-11	V	Do
	326	Ladra	13-14	V	Do
	327	Kherak	12-13	V	Do
	328	Pachla	11-12	V	Do
	329	Pachla	16-17	V	Do
	330	Kherak	12-13	V	Do
	331	Pachla	10-11	V	Do
	332	Pachla	19-20	V	Do
	333	Ladra	15-16	V	Do
	334	Ladra	21-22	IV	Do
	335	Pachla	17-18	V	Do
	336	Pachla	14-15	V	Do
	337	Pachla	20-21	IV	Do
	338	Pachla	13-14	V	Do
	339	Pachla	12-13	V	Do
	340	Ladra	12-13	V	Do

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Name of Forest	Sr N o	Species	Dia	Class	Status of Tree
	341	Lasha	12-13	V	Do
	342	Khirik	13-14	V	Do
	343	Peekha	15-16	V	Do
	344	Pekha	13-14	V	Do
	345	Lasha	12-13	V	Do
	346	Sesam	13-14	V	Do
	347	Pedakh	15-16	V	Do
	348	Pedakh	12-13	V	Do
	349	Panda	10-11	V	Do
	350	Pedakh	10-11	V	Do
	351	Pedakh	12-13	V	Do
	352	Pedakh	10-11	V	Do
	353	Bawal	10-11	V	Do
	354	Padakh	16-17	V	Do
	355	Kachnar	25-26	IV	Do
	356	Pachan	16-17	V	Do
	357	Pachan	12-13	V	Do
	358	Pachan	10-11	V	Do
	359	Pachan	10-11	V	Do
	360	Sisam	24-25	IV	Do
	361	Pachan	10-11	V	Do
	362	Pachan	12-13	V	Do
	363	Bargad	29-30	IV	Do
	364	Bargad	13-14	V	Do
	365	Bawal	13-14	V	Do
	366	Kanar	20-21	IV	Do
	367	Kanar	14-15	V	Do
	368	Pachan	12-13	V	Do
	369	Lasha	11-12	V	Do
	370	Pachan	22-23	IV	Do
	371	Lasha	15-16	V	Do
	372	Kanar	14-15	V	Do
	373	Pachan	11-12	V	Do
	374	Pachan	14-15	V	Do
	375	Pachan	20-21	IV	Do
	376	Pachan	12-13	V	Do
	377	Pachan	22-23	IV	Do
	378	Pachan	10-11	V	Do
	379	Pachan	11-12	V	Do
	380	Pachan	19-20	V	Do
	381	Pachan	15-16	V	Do
	382	Pachan	15-16	V	Do
	383	Pachan	13-14	V	Do
	384	Pachan	10-11	V	Do
	385	Pachan	10-11	V	Do
	386	Shisham	13-14	V	Do
	387	Pachan	20-21	IV	Do
	388	Kanar	20-21	IV	Do
	389	Sanan	10-11	V	Do

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Name of Forest	Sr N o	Species	Dia	Class	Status of Tree
	390	Chamrokh	10-11	V	Dry
	391	Pachka	15-16	V	Dry
	392	Pachka	13-14	V	Dry
	393	Pachka	15-16	V	Dry
	394	Chamrokh	14-15	V	Dry
	395	Chamrokh	14-15	V	Dry
	396	Chamrokh	14-15	V	Dry
	397	Chamrokh	11-12	V	Dry
	398	Pachka	12-13	V	Dry
	399	Chamrokh	14-15	V	Dry
	400	Chamrokh	16-17	V	Dry
	401	Khirak	14-15	V	Dry
	402	Chamrokh	10-11	V	Dry
	403	Chamrokh	12-13	V	Dry
	404	Saran	12-13	V	Dry
	405	Saran	10-11	V	Dry
	406	Saran	11-12	V	Dry
	407	Dewal	17-18	V	Dry
	408	Pachka	12-13	V	Dry
	409	Lokha	10-11	V	Dry
	410	Khirak	10-11	V	Dry
	411	Pachka	10-11	V	Dry
	412	Pachka	12-13	V	Dry
	413	Lokha	15-16	V	Dry
	414	Lasura	17-18	V	Dry
	415	Chamrokh	18-19	V	Dry
	416	Pachka	13-14	V	Dry
	417	Pachka	11-12	V	Dry
	418	Pachka	11-12	V	Dry
	419	Pachka	13-14	V	Dry
	420	Pachka	12-13	V	Dry
	421	Saran	18-19	V	Dry
	422	Saran	17-18	V	Dry
	423	Saran	10-11	V	Dry
	424	Pachka	13-14	V	Dry
	425	Pachka	14-15	V	Dry
	426	Khirak	16-17	V	Dry
	427	Pachka	10-11	V	Dry
	428	Biwal	12-13	V	Dry
	429	Pachka	20-21	IV	Dry
	430	Pachka	10-11	V	Dry
	431	Lokha	16-17	V	Dry
	432	Bargad	32-33	III	Dry
	433	Bargad	22-23	IV	Dry
	434	Kanjhal	17-18	V	Dry
	435	Pachka	10-11	V	Dry
	436	Pachka	10-11	V	Dry
	437	Bargad	19-20	V	Dry
	438	Bargad	41-42	IIA	Dry

Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	439	Bargad	40-41	III	Do
	440	Bargad	17-18	V	Do
	441	Pachha	22-23	IV	Do
	442	Bargad	83-84	IC	Do
	443	Pachha	14-15	V	Do
	444	Pachha	24-25	IV	Do
	445	Lendra	18-19	V	Do
	446	Pachha	10-11	V	Do
	447	Pachha	31-32	III	Do
	448	Lendra	11-12	V	Do
	449	Pachha	32-33	III	Do
	450	Pachha	10-11	V	Do
	451	Ber	12-13	V	Do
	452	Pachha	11-12	V	Do
	453	Pachha	10-11	V	Do
	454	Pachha	10-11	V	Do
	455	Bargad	30-31	III	Do
	456	Bargad	32-33	IV	Do
	457	Pachha	19-20	V	Do
	458	Ber	10-11	V	Do
	459	Pachha	11-12	V	Do
	460	Pachha	10-11	V	Do
	461	Pachha	21-22	IV	Do
	462	Lendra	10-11	V	Do
	463	Kanga	12-13	V	Do
	464	Amaltash	14-15	V	Do
	465	Pachha	10-11	V	Do
	466	Bargad	91-92	ID	Do
	467	Chatla	11-12	V	Do
	468	Pachha	15-16	V	Do
	469	Pachha	23-24	IV	Do
	470	Chatla	10-11	V	Do
	471	Pachha	10-11	V	Do
	472	Pachha	20-21	IV	Do
	473	Jamun	20-21	IV	Do
	474	Jamun	15-16	V	Do
	475	Jamun	11-12	V	Do
	476	Jamun	12-13	V	Do
	477	Jamun	44-45	IIA	Do
	478	Jamun	11-12	V	Do
	479	Jamun	12-13	V	Do
	480	Jamun	35-36	IE	Do
	481	Jamun	37-38	IE	Do
	482	Jamun	15-16	V	Do
	483	Jamun	31-32	III	Do
	484	Bargad	15-17	V	Do
	485	Bargad	12-13	V	Do
	486	Bargad	14-15	V	Do
	487	Pachha	17-18	V	Do

Name of Parcel	Sr No	Species	Dbh	Class	Status of Tree
	488	Peltfda	15-16	V	Do
	489	Peltfda	18-19	V	Do
	490	Peltfda	20-21	IV	Do
	491	Peltfda	19-20	V	Do
	492	Peltfda	15-16	V	Do
	493	Peltfda	13-14	V	Do
	494	Peltfda	22-23	IV	Do
	495	Peltfda	24-25	IV	Do
	496	Peltfda	12-13	V	Do
	497	Peltfda	21-22	IV	Do
	498	Peltfda	23-24	IV	Do
	499	Peltfda	11-12	V	Do
	500	Peltfda	15-16	V	Do
	501	Peltfda	16-17	V	Do
	502	Peltfda	14-15	V	Do
	503	Peltfda	15-16	V	Do
	504	Peltfda	12-13	V	Do
	505	Peltfda	25-26	IV	Do
	506	Peltfda	12-13	V	Do
	507	Peltfda	13-14	V	Do
	508	Cleomoide	11-12	V	Do
	509	Peltfda	12-13	V	Do
	510	Peltfda	25-26	IV	Do
	511	Peltfda	17-18	V	Do
	512	Peltfda	16-17	V	Do
	513	Peltfda	19-20	V	Do
	514	Peltfda	10-11	V	Do
	515	Bargad	21-22	IV	Do
	516	Peltfda	10-11	V	Do
	517	Peltfda	18-19	V	Do
	518	Peltfda	21-22	IV	Do
	519	Peltfda	13-14	V	Do
	520	Peltfda	29-30	IV	Do
	521	Peltfda	23-24	IV	Do
	522	Amaltash	20-21	IV	Do
	523	Peltfda	14-15	V	Do
	524	Peltfda	21-22	IV	Do
	525	Peltfda	36-37	III	Do
	526	Peltfda	20-21	IV	Do
	527	Falah	10-11	V	Do
	528	Falah	10-11	V	Do
	529	Falah	17-18	V	Do
	530	Peltfda	30-31	III	Do
	531	Peltfda	11-12	V	Do
	532	Peltfda	30-31	III	Do
	533	Peltfda	16-17	V	Do
	534	Falah	10-11	V	Do
	535	Kanhar	16-17	V	Do
	536	Peltfda	11-12	V	Do

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Name of Forest	Sr N o	Species	Dia	Class	Stains of Tree
	537	Pechka	14-15	V	Do
	538	Bolgal	55-56	III	Do
	539	Kirobal	22-23	IV	Do
	540	Pechka	20-21	IV	Do
	541	Pechka	10-11	V	Do
	542	Pechka	13-14	V	Do
	543	Bargal	30-35	III	Do
	544	Pechka	11-12	V	Do
	545	Pechka	10-11	V	Do
	546	Pechka	13-14	V	Do
	547	Pechka	11-12	V	Do
	548	Pechka	20-21	IV	Do
	549	Pechka	10-11	V	Do
	550	Pechka	19-20	IV	Do
	551	Pechka	14-15	V	Do
	552	Pechka	11-12	V	Do
	553	Pechka	15-16	V	Do
	554	Pechka	14-15	V	Do
	555	Pechka	11-12	V	Do
	556	Pechka	14-15	V	Do
	557	Pechka	13-14	V	Do
	558	Pechka	18-19	V	Do
	559	Pechka	20-21	IV	Do
	560	Pechka	33-34	III	Do
	561	Pechka	31-32	III	Do
	562	Pechka	15-16	V	Do
	563	Pechka	12-13	V	Do
	564	Bargal	10-11	V	Do
	565	Pechka	12-13	V	Do
	566	Pechka	14-15	V	Do
	567	Pechka	16-17	V	Do
	568	Pechka	19-20	V	Do
	569	Pechka	12-13	V	Do
	570	Pechka	16-17	V	Do
	571	Pechka	14-15	V	Do
	572	Pechka	17-18	V	Do
	573	Pechka	20-21	IV	Do
	574	Arjun	26-27	IV	Do
	575	Pechka	14-15	V	Do
	576	Pechka	11-12	V	Do
	577	Pechka	20-21	IV	Do
	578	Pechka	13-14	V	Do
	579	Pechka	14-15	V	Do
	580	Pechka	11-12	V	Do
	581	Pechka	10-11	V	Do
	582	Amaltash	20-21	IV	Do
	583	Pechka	32-33	III	Do
	584	Pechka	10-11	V	Do
	585	Pechka	20-21	IV	Do

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Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	586	Pechka	13-14	V	Do
	587	Pechka	14-15	V	Do
	588	Pechka	12-13	V	Do
	589	Ledra	10-11	V	Do
	590	Pechka	20-21	IV	Do
	591	Pechka	15-16	V	Do
	592	Pechka	44-45	IS	Do
	593	Pechka	14-15	V	Do
	594	Pechka	21-22	IV	Do
	595	Pechka	11-12	V	Do
	596	Pechka	10-11	V	Do
	597	Pechka	10-11	V	Do
	598	Pechka	12-13	V	Do
	599	Amaltash	14-15	V	Do
	600	Pechka	11-12	V	Do
	601	Pechka	12-13	V	Do
	602	Pechka	15-16	V	Do
	603	Chirk	14-15	V	Do
	604	Pechka	11-12	V	Do
	605	Pechka	38-39	III	Do
	606	Pechka	14-15	V	Do
	607	Dhrak	26-27	IV	Do
	608	Sarun	11-12	V	Do
	609	Pechka	20-21	IV	Do
	610	Pechka	20-21	IV	Do
	611	Pechka	17-18	V	Do
	612	Semal	23-22	IV	Do
	613	Pechka	31-32	III	Do
	614	Pechka	19-20	V	Do
	615	Pechka	15-16	V	Do
	616	Pechka	18-19	V	Do
	617	Pechka	10-11	V	Do
	618	Pechka	18-19	V	Do
	619	Pechka	11-12	V	Do
	620	Pechka	15-16	V	Do
	621	Pechka	17-18	V	Do
	622	Pechka	11-12	V	Do
	623	Pechka	10-11	V	Do
	624	Pechka	15-16	V	Do
	625	Pechka	14-15	V	Do
	626	Pechka	10-11	V	Do
	627	Pechka	18-19	V	Do
	628	Pechka	14-15	V	Do
	629	Amaltash	11-12	V	Do
	630	Amaltash	13-14	V	Do
	631	Amaltash	17-18	V	Do
	632	Pechka	21-22	IV	Do
	633	Pechka	21-22	IV	Do
	634	Pechka	51-52	III	Do

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Name of Forest	Gr No	Species	Dia	Class	Status of Tree
	635	Pechha	41-42	IA	Do
	636	Shisham	20-21	IV	Do
	637	Sambal	22-23	IV	Do
	638	Shisham	12-13	V	Do
	639	Shisham	12-13	V	
	640	Shisham	12-11	V	Do
	641	Sambal	22-23	IV	Do
	642	Pechha	17-18	V	Do
	643	Kikar	10-11	V	Do
	644	Pechha	12-11	V	Do
	645	Kikar	10-11	V	Do
	646	Kikar	12-13	V	Do
	647	Kikar	13-14	V	Do
	648	Kikar	17-18	V	Do
	649	Sarin	15-16	V	Do
	650	Sarin	10-11	V	Do
	651	Sarin	13-14	V	Do
	652	Drek	20-21	IV	Do
	653	Kachnar	20-21	IV	Do
	654	Pechha	15-16	V	Do
	655	Pechha	15-16	V	Do
	656	Kikar	10-13	V	Do
	657	Pechha	10-11	V	Do
	658	Kachnar	12-13	V	Do
	659	Kachnar	13-12	V	Do
	660	Pechha	15-16	V	Do
	661	Pechha	17-18	V	Do
	662	Pechha	16-17	V	Do
	663	Kachnar	12-13	V	Do
	664	Pechha	11-12	V	Do
	665	Kachnar	13-14	V	Do
	666	Pechha	24-25	IV	Do
	667	Pechha	12-13	V	Do
	668	Pechha	13-12	V	Do
	669	Pechha	19-20	V	Do
	670	Pechha	25-26	IV	Do
	671	Pechha	22-23	IV	Do
	672	Kikar	12-13	V	Do
	673	Pechha	20-21	IV	Do
	674	Pechha	15-16	V	Do
	675	Kikar	10-11	V	Do
	676	Kikar	11-12	V	Do
	677	Shisham	20-23	IV	Do
	678	Kikar	16-17	V	Do
	679	Kikar	15-16	V	Do
	680	Kikar	10-11	V	Do
	681	Kikar	10-11	V	Do
	682	Kikar	16-17	V	Do
	683	Kikar	20-21	IV	Do

Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	681	Khair	20-21	IV	Dry
	682	Khair	27-28	IV	Dry
	686	Shisham	30-31	III	Dry
	687	Shisham	13-14	V	Dry
	688	Shisham	13-14	V	Dry
	689	Ber	14-15	V	Dry
	690	Shisham	20-21	IV	Dry
	691	Shisham	15-16	V	Dry
	692	Jamun	58-59	III	Dry
	693	Jamun	24-25	IV	Dry
	694	Jamun	60-61	III	Dry
	695	Jamun	13-14	III	Dry
	696	Terminal	12-13	V	Dry
	697	Terminal	11-12	V	Dry
	698	Terminal	10-11	V	Dry
	699	Terminal	16-17	V	Dry
	700	Jamun	14-15	V	Dry
	701	Jamun	18-19	V	Dry
	702	Jamun	11-12	V	Dry
	703	Jamun	20-21	IV	Dry
	704	Jamun	12-13	V	Dry
	705	Jamun	11-12	V	Dry
	706	Jamun	21-22	IV	Dry
	707	Jamun	18-19	V	Dry
	708	Jamun	24-25	III	Dry
	709	Jamun	23-24	III	Dry
	710	Jamun	10-11	V	Dry
	711	Falahi	10-11	V	Dry
	712	Jamun	11-12	V	Dry
	713	Sahtoot	10-11	V	Dry
	714	Shisham	27-28	V	Dry
	715	Shisham	11-12	V	Dry
	716	Pechra	10-11	V	Dry
	717	Pechra	12-13	V	Dry
	718	Surgal	98-99	III	Dry
	719	Surgal	52-53	III	Dry
	720	Surgal	49-50	III	Dry
	721	Surgal	34-35	III	Dry
	722	Shisham	50-51	III	Dry
	723	Falahi	20-21	IV	Dry
	724	Pechra	10-11	V	Dry
	725	Pechra	19-20	V	Dry
	726	Pechra	27-28	IV	Dry
	727	Pechra	14-15	V	Dry
	728	Pechra	12-13	V	Dry
	729	Kachnar	35-36	V	Dry
	730	Pechra	25-26	IV	Dry
	731	Kanibal	12-13	V	Dry
	732	Kanibal	15-16	V	Dry

Name of Forest	Sr No	Species	DBh	Class	Status of Tree
	733	Pechha	30-31	V	Dc
	734	Pechha	35-36	V	Dc
	735	Pechha	16-17	V	Dc
	736	Pechha	12-13	V	Dc
	737	Pechha	15-16	V	Dc
	738	Pechha	19-20	V	Dc
	739	Pechha	17-18	V	Dc
	740	Surgoi	25-26	IV	Dd
	741	Surgoi	32-33	III	Dc
	742	Surgoi	39-40	III	Dc
	743	Pechha	12-13	V	Dc
	744	Pechha	15-16	V	Dd
	745	Dhaik	11-12	V	Dd
	746	Pechha	21-22	IV	Dc
	747	Surgoi	22-23	IV	Dc
	748	Biyal	12-13	V	Dc
	749	Pechha	14-15	V	Dc
	750	Pechha	12-13	V	Dc
	751	Pechha	11-12	V	Dc
	752	Pechha	22-23	IV	Dc
	753	Pechha	13-14	V	Dc
	754	Pechha	18-19	V	Dc
	755	Pechha	16-17	V	Dc
	756	Pechha	18-19	V	Dc
	757	Banduri	10-11	V	Dc
	758	Pechha	14-15	V	Dc
	759	Bar	12-13	V	Dc
	760	Pechha	15-16	V	Dc
	761	Pechha	11-12	V	Dc
	762	Pechha	10-11	V	Dc
	763	Pechha	12-13	V	Dc
	764	Pechha	16-17	V	Dc
	765	Pechha	12-13	V	Dc
	766	Kachnar	15-16	V	Dc
	767	Kanchnal	11-12	V	Dc
	768	Pechha	10-11	V	Dc
	769	Biyaal	30-31	III	Dc
	770	Shisham	40-41	IIA	Dc
	771	Fegela	10-11	V	Dc
	772	Kakad	20-21	IV	Dc
	773	Sisso	30-31	III	Dc
	774	Willow	14-15	V	Dc
	775	Willow	12-13	V	Dc
	776	Willow	11-12	V	Dc
	777	Fegela	30-31	III	Dc
	778	Shisham	37-38	III	Dc
	779	Bar	22-23	IV	Dc
	780	Biyaal	12-13	V	Dc
	781	Biyaal	11-12	V	Dc

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Name of Forest	Sr No	Species	Dbh	Class	Status of Tree
	782	Bhoi	22-23	IV	Do
	783	Bhoi	12-13	V	Do
	784	Shisham	10-11	V	Do
	785	Bhoi	20-21	IV	Do
	786	Shisham	12-13	V	Do
	787	Shisham	42-43	IIA	Do
	788	Khair	12-13	V	Do
	789	Khair	12-13	V	Do
	790	Shisham	12-13	V	Do
	791	Shisham	10-11	V	Do
	792	Shisham	27-28	IV	Do
	793	Willow	52-53	III	Do
	794	Shisham	20-21	IV	Do
	795	Shisham	13-14	V	Do
	796	Jamun	43-44	IIA	Do
	797	Jamun	33-34	III	Do
	798	Shisham	30-31	III	Do
	799	Shisham	13-14	V	Do
	800	Jaliya	30-31	III	Do
	801	Tremlal	30-31	III	Do
	802	Simlal	56-57	IIB	Do
	803	Kalial	12-13	V	Do
	804	Simlal	56-57	IIB	Do
	805	Pechla	13-14	V	Do
	806	Shisham	12-13	V	Do
	807	Pechla	13-14	V	Do
	808	Pechla	13-14	V	Do
	809	Simlal	23-24	IV	Do
	810	Kachnar	13-14	V	Do
	811	Kachnar	10-11	V	Do
	812	Bargad	13-14	V	Do
	813	Bargad	13-14	V	Do
	814	Bargad	12-13	V	Do
	815	Bargad	32-33	III	Do
	816	Bargad	15-16	V	Do
	817	Bargad	17-18	V	Do
	818	Bargad	13-14	V	Do
	819	Bargad	17-18	V	Do
	820	Bargad	19-20	V	Do
	821	Bargad	10-11	V	Do
	822	Bargad	30-31	III	Do
	823	Bargad	23-24	IV	Do
	824	Bargad	37-38	III	Do
	825	Bargad	41-42	IIA	Do
	826	Bargad	43-44	IIA	Do
	827	Bargad	45-46	IIA	Do
	828	Bargad	32-33	III	Do
	829	Bargad	37-38	III	Do
	830	Bargad	43-44	IIA	Do

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252

Name of Forest	Sr No	Species	Dbh	Class	Status of Tree
	831	Bargad	47-48	IIA	Dc
	832	Bargad	26-27	IV	Dc
	833	Bargad	45-44	IIA	Dc
	834	Bargad	30-31	III	Dc
	835	Bargad	23-24	IV	Dc
	836	Bargad	37-38	IV	Dc
	837	Bargad	20-21	IV	Dc
	838	Bargad	47-48	IIA	Dc
	839	Bargad	24-27	IV	Dc
	840	Bargad	41-42	IIA	Dc
	841	Bargad	31-35	III	Dc
	842	Bargad	24-25	IV	Dc
	843	Bargad	43-41	IIA	Dc
	844	Bargad	33-34	III	Dc
	845	Bargad	27-28	IV	Dc
	846	Bargad	41-45	IIA	Dc
	847	Pechka	30-31	V	Dc
	848	Pechka	20-21	IV	Dc
	849	Pechka	34-35	V	Dc
	850	Pechka	24-25	IV	Dc
	851	Pechka	22-23	IV	Dc
	852	Pechka	32-33	V	Dc
	853	Pechka	20-21	IV	Dc
	854	Pechka	17-18	V	Dc
	855	Pechka	22-23	IV	Dc
	856	Pechka	21-22	IV	Dc
	857	Pechka	22-23	IV	Dc
	858	Pechka	20-21	IV	Dc
	859	Pechka	33-34	V	Dc
	860	Pechka	24-25	IV	Dc
	861	Pechka	17-17	V	Dc
	862	Pechka	22-23	V	Dc
	863	Pechka	20-21	IV	Dc
	864	Pechka	30-31	V	Dc
	865	Pechka	27-28	IV	Dc
	866	Pechka	26-27	IV	Dc
	867	Pechka	33-34	V	Dc
	868	Pechka	28-29	IV	Dc
	869	Pechka	20-21	IV	Dc
	870	Pechka	23-24	IV	Dc
	871	Pechka	22-23	IV	Dc
	872	Pechka	30-31	V	Dc
	873	Bargad	31-32	III	Dc
	874	Harital	30-33	V	Dc
	875	Harital	32-33	V	Dc
	876	Bargad	31-32	III	Dc
	877	Bargad	35-36	IV	Dc
	878	Bargad	41-42	IIA	Dc
	879	Bargad	36-37	III	Dc

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Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	880	Pechka	32-33	III	Do
	881	Bargad	10-11	V	Do
	882	Bargad	21-22	V	Do
	883	Pechka	11-12	V	Do
	884	Kanteal	10-11	V	Do
	885	Kanteal	10-11	V	Do
	886	Kanteal	13-14	V	Do
	887	Kanteal	11-12	V	Do
	888	Kanteal	10-11	V	Do
	889	Bargad	12-13	V	Do
	890	Bargad	14-15	V	Do
	891	Bargad	21-22	V	Do
	892	Bargad	41-42	IIA	Do
	893	Bargad	47-48	IIA	Do
	894	Bargad	41-42	IIA	Do
	895	Bargad	95-96	III	Do
	896	Bargad	35-36	III	Do
	897	Bargad	12-13	V	Do
	898	Bargad	47-48	V	Do
	899	Bargad	31-32	III	Do
	900	Bargad	34-35	III	Do
	901	Bargad	29-30	III	Do
	902	Bargad	11-12	V	Do
	903	Bargad	32-33	III	Do
	904	Bargad	40-41	V	Do
	905	Bargad	29-30	III	Do
	906	Bargad	34-35	III	Do
	907	Bargad	32-33	III	Do
	908	Bargad	34-35	III	Do
	909	Bargad	54-55	III	Do
	910	Bargad	53-54	III	Do
	911	Pechka	10-11	V	Do
	912	Pechka	13-14	V	Do
	913	Pechka	12-13	V	Do
	914	Pechka	15-16	V	Do
	915	Pechka	17-18	V	Do
	916	Pechka	10-11	V	Do
	917	Pechka	11-12	V	Do
	918	Pechka	13-14	V	Do
	919	Pechka	17-18	V	Do
	920	Pechka	21-22	IV	Do
	921	Pechka	12-13	V	Do
	922	Pechka	10-11	V	Do
	923	Pechka	20-21	IV	Do
	924	Pechka	23-24	IV	Do
	925	Pechka	30-31	V	Do
	926	Pechka	12-13	V	Do
	927	Pechka	15-16	V	Do
	928	Pechka	21-22	IV	Do

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Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	929	Pechia	10-11	V	Dry
	930	Pechia	13-14	V	Dry
	931	Pechia	10-11	V	Dry
	932	Pechia	12-13	V	Dry
	933	Pechia	14-15	V	Dry
	934	Pechia	14-15	V	Dry
	935	Bargad	36-35	III	Dry
	936	Bargad	30-31	III	Dry
	937	Bargad	22-23	IV	Dry
	938	Bargad	30-31	IV	Dry
	939	Bargad	10-11	V	Dry
	940	Bargad	14-15	V	Dry
	941	Bargad	23-24	IV	Dry
	942	Bargad	35-36	III	Dry
	943	Bargad	27-28	IV	Dry
	944	Bargad	13-14	V	Dry
	945	Bargad	33-34	III	Dry
	946	Bargad	12-13	V	Dry
	947	Bargad	17-18	V	Dry
	948	Bargad	19-20	V	Dry
	949	Bargad	25-26	IV	Dry
	950	Bargad	34-35	V	Dry
	951	Bargad	23-24	IV	Dry
	952	Bargad	17-18	V	Dry
	953	Bargad	20-21	IV	Dry
	954	Bargad	19-20	V	Dry
	955	Bargad	27-28	IV	Dry
	956	Bargad	12-13	V	Dry
	957	Bargad	17-18	V	Dry
	958	Bargad	24-25	IV	Dry
	959	Bargad	33-34	IV	Dry
	960	Bargad	14-15	V	Dry
	961	Bargad	10-11	V	Dry
	962	Bargad	27-28	IV	Dry
	963	Bargad	34-35	IV	Dry
	964	Bargad	12-13	V	Dry
	965	Bargad	30-31	IV	Dry
	966	Bargad	14-15	V	Dry
	967	Bargad	29-30	IV	Dry
	968	Bargad	15-16	V	Dry
	969	Bargad	24-25	IV	Dry
	970	Bargad	23-24	IV	Dry
	971	Bargad	27-28	IV	Dry
	972	Bargad	10-11	V	Dry
	973	Bargad	30-31	IV	Dry
	974	Bargad	26-27	IV	Dry
	975	Bargad	12-13	V	Dry
	976	Pechia	22-23	IV	Dry
	977	Pechia	24-25	IV	Dry

Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	978	Pechha	20-21	IV	Da
	979	Pechha	20-21	IV	Da
	980	Pechha	24-25	IV	Da
	981	Pechha	21-25	IV	Da
	982	Pechha	24-25	IV	Da
	983	Pechha	27-28	IV	Da
	984	Pechha	20-21	IV	Da
	985	Pechha	23-24	IV	Da
	986	Pechha	22-23	IV	Da
	987	Pechha	26-27	IV	Da
	988	Pechha	25-30	IV	Da
	989	Pechha	21-22	IV	Da
	990	Pechha	20-21	IV	Da
	991	Pechha	24-25	IV	Da
	992	Pechha	20-21	IV	Da
	993	Pechha	26-27	IV	Da
	994	Pechha	22-23	IV	Da
	995	Pechha	27-28	IV	Da
	996	Pechha	22-23	IV	Da
	997	Pechha	20-21	IV	Da
	998	Pechha	21-22	IV	Da
	999	Burgad	10-11	V	Da
	1000	Burgad	10-11	V	Da
	1001	Burgad	11-12	V	Da
	1002	Burgad	12-13	V	Da
	1003	Burgad	10-11	V	Da
	1004	Burgad	11-12	V	Da
	1005	Burgad	10-11	V	Da
	1006	Burgad	11-12	V	Da
	1007	Burgad	14-15	V	Da
	1008	Burgad	10-11	V	Da
	1009	Burgad	13-14	V	Da
	1010	Burgad	12-13	V	Da
	1011	Burgad	10-11	V	Da
	1012	Burgad	15-16	V	Da
	1013	Pechha	20-21	IV	Da
	1014	Pechha	10-11	V	Da
	1015	Pechha	12-13	V	Da
	1016	Pechha	22-23	IV	Da
	1017	Pechha	20-21	IV	Da
	1018	Pechha	12-13	V	Da
	1019	Pechha	24-25	IV	Da
	1020	Pechha	33-34	III	Da
	1021	Burgad	11-12	V	Da
	1022	Khar	11-12	V	Da
	1023	Pechha	20-21	IV	Da
	1024	Pechha	10-11	V	Da
	1025	Pechha	14-15	V	Da
	1026	Pechha	12-13	V	Da

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Name of Forest	Sr No	Species	Dia	Class	Status of Tree
	1027	Pechha	32-33	IV	Do
	1028	Pechha	34-35	V	Do
	1029	Pechha	33-34	V	Do
	1030	Pechha	27-28	IV	Do
	1031	Pechha	21-22	IV	Do
	1032	Kakad	41-42	III	Do
	1035	Shisam	33-34	V	Do
	1034	Shisam	34-35	V	Do
	1033	Shisam	32-33	V	Do
	1036	Shisam	35-36	V	Do
	1037	Shisam	33-34	V	Do
	1038	Khair	21-22	IV	Do
	1039	Khair	23-24	IV	Do
	1040	Bargad	30-31	V	Do
	1041	Bargad	29-30	IV	Do
	1042	Bargad	37-38	III	Do
	1043	Bargad	39-40	V	Do
	1044	Bargad	24-25	IV	Do
	1045	Bargad	33-34	III	Do
	1046	Bargad	34-35	V	Do
	1047	Bargad	27-28	IV	Do
	1048	Bargad	30-31	III	Do
	1049	Bargad	20-21	IV	Do
	1050	Bargad	37-38	V	Do
	1051	Bargad	23-24	IV	Do
	1052	Bargad	30-31	III	Do
	1053	Bargad	20-21	IV	Do
	1054	Bargad	22-23	IV	Do
	1055	Bargad	22-23	IV	Do
	1056	Bargad	34-35	III	Do
	1057	Bargad	25-26	IV	Do
	1058	Bargad	38-39	V	Do
	1059	Bargad	20-21	V	Do
	1060	Bargad	30-31	III	Do
	1061	Bargad	23-24	IV	Do
	1062	Bargad	32-33	V	Do
	1063	Bargad	21-22	IV	Do
	1064	Bargad	32-33	V	Do
	1065	Bargad	27-28	IV	Do
	1066	Bargad	33-34	V	Do
	1067	Bargad	33-34	III	Do
	1068	Pechha	34-35	III	Do
	1069	Pechha	10-11	V	Do
	1070	Pechha	30-31	III	Do
	1071	Pechha	27-28	III	Do
	1072	Pechha	25-26	IV	Do
	1073	Pechha	21-22	IV	Do
	1074	Pechha	23-24	V	Do
	1075	Pechha	10-11	V	Do

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Name of Forest	Sr.No.	Species	Bia	Class	Status of Tree
	1076	Pechka	24-25	IV	Dry
	1077	Pechka	10-11	V	Dry
	1078	Pechka	17-18	V	Dry
	1079	Pechka	12-13	V	Dry
	1080	Pechka	10-11	V	Dry
	1081	Pechka	21-22	IV	Dry
	1082	Pechka	22-23	IV	Dry
	1083	Pechka	17-18	V	Dry
	1084	Pechka	20-21	IV	Dry
	1085	Pechka	15-16	V	Dry
	1086	Pechka	12-13	V	Dry
	1087	Pechka	10-11	V	Dry
	1088	Pechka	12-13	V	Dry
	1089	Pechka	15-16	V	Dry
	1090	Pechka	10-11	V	Dry
	1091	Pechka	13-14	V	Dry
	1092	Pechka	15-16	V	Dry
	1093	Pechka	12-13	V	Dry
	1094	Pechka	10-11	V	Dry
	1095	Pechka	21-22	IV	Dry
	1096	Pechka	20-21	IV	Dry
	1097	Pechka	14-15	V	Dry
	1098	Pechka	13-14	V	Dry
	1099	Pechka	11-12	V	Dry
	1100	Pechka	12-13	V	Dry
	1101	Pechka	28-29	IV	Dry
	1102	Pechka	24-25	IV	Dry
	1103	Pechka	10-11	V	Dry
	1104	Pechka	10-11	V	Dry
	1105	Pechka	13-14	V	Dry
	1106	Pechka	17-18	V	Dry
	1107	Pechka	15-16	V	Dry
	1108	Pechka	22-23	IV	Dry
	1109	Pechka	10-11	V	Dry
	1110	Pechka	21-22	IV	Dry
	1111	Pechka	20-21	IV	Dry
	1112	Pechka	24-25	IV	Dry
	1113	Pechka	30-31	V	Dry
	1114	Pechka	34-35	V	Dry
	1115	Pechka	16-17	V	Dry
	1116	Pechka	31-32	V	Dry
	1117	Pechka	10-11	V	Dry
	1118	Pechka	34-35	V	Dry
	1119	Pechka	21-22	V	Dry
	1120	Pechka	34-35	V	Dry
	1121	Pechka	27-28	IV	Dry
	1122	Pechka	11-12	V	Dry
	1123	Pechka	29-30	IV	Dry
	1124	Pechka	10-11	V	Dry

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Name of Forest	Sr.No.	Species	Dia	Class	Status of Tree
	1125	Pachka	20-21	IV	Do
	1126	Pachka	10-11	V	Do
	1127	Pachka	12-13	V	Do
	1128	Pachka	20-21	IV	Do
	1129	Pachka	41-42	IA	Do
	1130	Pachka	23-24	IV	Do
	1131	Bargad	52-53	III	Do
	1132	Bargad	10-11	V	Do
	1133	Bargad	33-34	III	Do
	1134	Bargad	14-15	V	Do
	1135	Bargad	21-22	IV	Do
	1136	Bargad	41-42	IA	Do
	1137	Bargad	27-28	IV	Do
	1138	Bargad	74-75	III	Do
	1139	Bargad	44-45	IA	Do
	1140	Bargad	11-12	V	Do
	1141	Bargad	14-15	V	Do
	1142	Bargad	37-38	III	Do
	1143	Bargad	10-11	V	Do
	1144	Bargad	15-16	V	Do
	1145	Bargad	28-29	V	Do
	1146	Bargad	36-37	III	Do
	1147	Bargad	11-12	V	Do
	1148	Bargad	33-34	III	Do
	1149	Bargad	14-15	V	Do
	1150	Bargad	10-11	V	Do
	1151	Bargad	13-14	V	Do
	1152	Bargad	17-18	V	Do
	1153	Pachka	10-11	V	Do
	1154	Pachka	14-15	V	Do
	1155	Pachka	33-34	III	Do
	1156	Pachka	17-18	V	Do
	1157	Pachka	10-11	V	Do
	1158	Pachka	20-21	IV	Do
	1159	Pachka	17-18	V	Do
	1160	Pachka	24-25	III	Do
	1161	Pachka	14-15	V	Do
	1162	Pachka	10-11	V	Do
	1163	Pachka	20-21	IV	Do
	1164	Pachka	17-18	V	Do
	1165	Pachka	22-23	IV	Do
	1166	Pachka	14-15	V	Do
	1167	Pachka	31-32	III	Do
	1168	Pachka	10-11	V	Do
	1169	Pachka	14-15	V	Do
	1170	Pachka	24-25	IV	Do
	1171	Pachka	16-17	V	Do
	1172	Pachka	20-21	V	Do
	1173	Pachka	15-16	V	Do

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ABSTRACT

No.No.	Name		Class											

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in D-215 Ganai Forest Nihai Wal Boor , Seri Black ,Seri forest range of Lunsoj Forest Division Mandi (H.P) for the year 2015-16.

Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
D-215	1	Sahan	30-31	III	Green Standing
	2	Sahan	32-33	III	Do
	3	Pechia	13-14	V	Do
	4	Pechia	11-12	V	Do
	5	Pechia	10-11	V	Do
	6	Pechia	12-13	V	Do
	7	Pechia	14-15	V	Do
	8	Pechia	12-13	V	Do
	9	Pechia	10-11	V	Do
	10	Pechia	14-15	V	Do
	11	Pechia	14-15	V	Do
	12	Pechia	13-14	V	Do
	13	Pechia	10-11	V	Do
	14	Bargat	18-19	V	Do
	15	Bargat	22-23	IV	Do
	16	Bargat	21-22	IV	Do
	17	Bargat	10-11	V	Do
	18	Bargat	12-13	V	Do
	19	Bargat	14-15	V	Do
	20	Bargat	10-11	V	Do
	21	Bargat	21-22	IV	Do
	22	Bargat	24-25	IV	Do
	23	Pechia	12-13	V	Do
	24	Pechia	14-15	V	Do
	25	Bargat	21-22	IV	Do
	26	Bargat	24-25	IV	Do
	27	Bargat	27-28	IV	Do
	28	Bargat	30-31	III	Do
	29	Bargat	18-19	V	Do
	30	Bargat	12-13	V	Do
	31	Bargat	20-21	IV	Do
	32	Bargat	22-23	IV	Do
	33	Bargat	26-27	IV	Do
	34	Kanhal	10-11	V	Do
	35	Kanhal	11-12	V	Do
	36	Kanhal	10-11	V	Do
	37	Pechia	12-13	V	Do
	38	Pechia	10-11	V	Do
	39	Pechia	16-17	V	Do
	40	Pechia	20-21	V	Do
	41	Pechia	12-13	V	Do
	42	Pechia	16-17	V	Do
	43	Dhrak	10-11	V	Do
	44	Dhrak	11-12	V	Do
	45	Bargat	23-24	IV	Do

Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
	46	Burgad	19-20	V	Do
	47	Burgad	17-18	V	Do
	48	Burgad	14-15	V	Do
	49	Burgad	25-27	IV	Do
	50	Burgad	30-31	III	Do
	51	Burgad	29-29	IV	Do
	52	Burgad	34-35	III	Do
	53	Burgad	38-39	III	Do
	54	Burgad	41-42	IIA	Do
	55	Burgad	27-28	IV	Do
	56	Burgad	20-21	IV	Do
	57	Burgad	14-15	V	Do
	58	Burgad	11-12	V	Do
	59	Burgad	31-32	III	Do
	60	Burgad	34-35	III	Do
	61	Pechka	14-15	V	Do
	62	Pechka	12-13	V	Do
	63	Pechka	20-21	IV	Do
	64	Pechka	13-12	V	Do
	65	Pechka	14-15	V	Do
	66	Pechka	12-13	V	Do
	67	Pechka	10-11	V	Do
	68	Pechka	10-11	V	Do
	69	Pechka	14-15	V	Do
	70	Pechka	17-18	V	Do
	71	Pechka	10-11	V	Do
	72	Pechka	11-12	V	Do
	73	Burgad	21-22	IV	Do
	74	Burgad	18-19	V	Do
	75	Burgad	12-13	V	Do
	76	Burgad	27-28	IV	Do
	77	Burgad	29-30	IV	Do
	78	Burgad	34-35	III	Do
	79	Burgad	30-33	III	Do
	80	Burgad	24-25	IV	Do
	81	Burgad	24-25	IV	Do
	82	Burgad	27-28	IV	Do
	83	Burgad	40-41	IIA	Do
	84	Pechka	10-11	V	Do
	85	Pechka	11-12	V	Do
	86	Pechka	10-11	V	Do
	87	Pechka	14-15	V	Do
	88	Pechka	17-18	V	Do
	89	Pechka	19-20	V	Do
	90	Saiyan	30-31	III	Do
	91	Saiyan	27-28	IV	Do
	92	Saiyan	20-21	IV	Do
	93	Saiyan	30-31	III	Do
	94	Saiyan	30-31	III	Do

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Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
	95	Pachira	14-15	V	Dry
	96	Pachira	10-11	V	Dry
	97	Pachira	13-14	V	Dry
	98	Pachira	10-11	V	Dry
	99	Pachira	10-11	V	Dry
	100	Pachira	14-15	V	Dry
	101	Pachira	17-18	V	Dry
	102	Pachira	11-12	V	Dry
	103	Pachira	19-20	V	Dry
	104	Pachira	10-11	V	Dry
	105	Bargad	21-22	IV	Dry
	106	Bargad	19-20	V	Dry
	107	Bargad	20-21	IV	Dry
	108	Bargad	19-20	V	Dry
	109	Bargad	24-25	IV	Dry
	110	Kanchni	11-12	V	Dry
	111	Kanchni	13-14	V	Dry
	112	Khirak	10-11	V	Dry
	113	Khirak	10-11	V	Dry
	114	Khirak	11-12	V	Dry
	115	Semal	14-15	V	Dry
	116	Semal	17-18	V	Dry
	117	Semal	10-11	V	Dry
	118	Semal	14-15	V	Dry
	119	Semal	18-19	V	Dry
	120	Bargad	19-20	V	Dry
	121	Bargad	22-23	IV	Dry
	122	Bargad	25-26	IV	Dry
	123	Bargad	20-21	IV	Dry
	124	Bargad	33-34	IV	Dry
	125	Bargad	33-34	IV	Dry
	126	Pachira	12-13	V	Dry
	127	Pachira	16-17	V	Dry
	128	Pachira	18-19	V	Dry
	129	Pachira	10-11	V	Dry
	130	Pachira	10-11	V	Dry
	131	Pachira	12-13	V	Dry
	132	Pachira	10-11	V	Dry
	133	Pachira	12-13	V	Dry
	134	Pachira	13-14	V	Dry
	135	Pachira	10-11	V	Dry
	136	Bargad	19-20	V	Dry
	137	Bargad	21-22	IV	Dry
	138	Bargad	27-28	IV	Dry
	139	Bargad	22-23	IV	Dry
	140	Bargad	31-32	III	Dry
	141	Bargad	38-39	III	Dry
	142	Bargad	45-46	III	Dry
	143	Bargad	38-39	III	Dry

Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
	144	Saran	11-22	IV	Do
	145	Saran	19-20	V	Do
	146	Saran	14-15	V	Do
	147	Saran	20-22	IV	Do
	148	Gamhal	24-25	V	Do
	149	Gamhal	12-13	V	Do
	150	Gamhal	11-12	V	Do
	151	Saran	08-09	V	Do
	152	Saran	24-25	V	Do
	153	Saran	24-25	V	Do
	154	Saran	24-25	IV	Do
	155	Saran	21-22	IV	Do
	156	Neelia	20-21	IV	Do
	157	Neelia	24-25	IV	Do
	158	Neelia	10-11	V	Do
	159	Neelia	14-15	V	Do
	160	neelia	17-18	V	Do
	161	Bargad	19-20	V	Do
	162	Bargad	24-25	IV	Do
	163	Bargad	32-33	III	Do
	164	Saran	27-28	IV	Do
	165	Saran	14-15	V	Do
	166	Bargad	27-28	IV	Do
	167	Bargad	21-22	IV	Do
	168	Bargad	28-29	IV	Do
	169	Bargad	34-35	III	Do
	170	Bargad	52-53	III	Do
	171	Pechla	14-15	V	Do
	172	Pechla	17-18	V	Do
	173	Pechla	10-11	V	Do
	174	Pechla	13-14	V	Do
	175	Pechla	17-18	V	Do
	176	Pechla	10-11	V	Do
	177	Pechla	14-15	V	Do
	178	Pechla	17-18	V	Do
	179	Dhrak	10-11	V	Do
	180	Pechla	15-16	V	Do
	181	Seesam	16-17	V	Do
	182	Saran	25-26	IV	Do
	183	Saran	18-19	V	Do
	184	Saran	25-26	IV	Do
	185	Dhrak	17-18	V	Do
	186	Kamhal	15-16	V	Do
	187	Kamhal	17-18	V	Do
	188	Pechla	11-12	III	Do
	189	Pechla	13-14	V	Do
	190	Pechla	19-20	V	Do
	191	Pechla	19-20	V	Do
	192	Pechla	13-14	V	Do

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Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
	193	Saraca	20-20	V	Do
	194	Bargad	15-15	V	Do
	195	Khirak	11-12	V	Do
	196	Saraca	23-22	IV	Do
	197	Saraca	23-24	IV	Do
	198	Saraca	20-21	IV	Do
	199	Pechika	24-25	IV	Do
	200	Saraca	11-12	V	Do
	201	Pechika	11-12	V	Do
	202	Saraca	12-13	V	Do
	203	Saraca	14-15	V	Do
	204	Saraca	11-12	V	Do
	205	Khirak	11-12	V	Do
	206	Khirak	13-14	V	Do
	207	Pechika	17-18	V	Do
	208	Pechika	17-18	V	Do
	209	Pechika	13-14	V	Do
	210	Saraca	12-13	IV	Do
	211	Khirak	13-14	V	Do
	212	Pechika	11-12	V	Do
	213	Saraca	21-22	IV	Do
	214	Pechika	12-13	V	Do
	215	Saraca	12-13	V	Do
	216	Pechika	11-12	V	Do
	217	Pechika	13-12	V	Do
	218	Pechika	12-13	V	Do
	219	Pechika	14-15	V	Do
	220	Lenuma	11-12	V	Do
	221	Lenuma	11-12	V	Do
	222	Khirak	12-13	V	Do
	223	Bargad	25-26	IV	Do
	224	Lenuma	12-13	V	Do
	225	Lenuma	10-11	V	Do
	226	Lenuma	14-15	V	Do
	227	Pechika	10-11	V	Do
	228	Pechika	12-13	V	Do
	229	Pechika	15-16	V	Do
	230	Pechika	12-13	V	Do
	231	Lenuma	11-12	V	Do
	232	Khirak	12-13	V	Do
	233	Bargad	25-26	IV	Do
	234	Lenuma	11-12	V	Do
	235	Lenuma	11-12	V	Do
	236	Lenuma	12-13	V	Do
	237	Lenuma	11-12	V	Do
	238	Pechika	19-20	V	Do
	239	Lenuma	13-14	V	Do
	240	Pechika	21-22	IV	Do
	241	Pechika	17-18	V	Do

Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
	242	Pechha	14-15	V	Dr
	243	Pechha	10-11	V	Dr
	244	Pechha	14-15	V	Dr
	245	Pechha	13-14	V	Dr
	246	Pechha	12-13	V	Dr
	247	Lesura	10-11	V	Dr
	248	Lesura	14-15	V	Dr
	249	Lesura	16-17	V	Dr
	250	Lesura	13-14	V	Dr
	251	Khair	14-15	V	Dr
	252	Pechha	21-22	IV	Dr
	253	Kanikal	19-20	V	Dr
	254	Pechha	12-13	V	Dr
	255	Khirak	13-14	V	Dr
	256	Kanikal	22-23	IV	Dr
	257	Pechha	22-23	IV	Dr
	258	Bargad	38-39	III	Dr
	259	Pechha	12-13	V	Dr
	260	Saisah	45-45	IA	Dr
	261	Saisam	31-32	III	Dr
	262	Pechha	10-11	V	Dr
	263	Pechha	14-15	V	Dr
	264	Pechha	17-18	V	Dr
	265	Pechha	12-13	V	Dr
	266	Pechha	10-11	V	Dr
	267	Khirak	10-11	V	Dr
	268	Kanikal	12-13	V	Dr
	269	Bargach	21-22	IV	Dr
	270	Bargach	24-25	IV	Dr
	271	Pechha	12-13	V	Dr
	272	Pechha	18-19	V	Dr
	273	Pechha	24-25	IV	Dr
	274	Lesura	11-12	V	Dr
	275	Pechha	13-14	V	Dr
	276	Pechha	21-22	IV	Dr
	277	Pechha	36-37	IV	Dr
	278	Pechha	17-18	V	Dr
	279	Pechha	12-13	IV	Dr
	280	Pechha	15-16	V	Dr
	281	Pechha	12-13	V	Dr
	282	Pechha	13-14	V	Dr
	283	Pechha	10-11	V	Dr
	284	Pechha	12-13	V	Dr
	285	Pechha	14-15	V	Dr
	286	Pechha	13-14	V	Dr
	287	Pechha	10-11	V	Dr
	288	Pechha	13-14	V	Dr
	289	Kharak	10-11	V	Dr
	290	Kharak	12-13	V	Dr

Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
	291	Pecuka	10-10	V	Dis
	292	Khirak	15-16	V	Do
	293	Pecuka	12-13	V	Do
	294	Saun	32-33	III	Do
	295	Kauhal	22-23	IV	Do
	296	Khirak	12-13	V	Do
	297	Bheul	13-14	V	Do
	298	Kauhal	17-18	V	Do
	299	Kauhal	21-22	IV	Do
	300	Lasuda	11-12	V	Do
	301	Kumbul	12-13	V	Do
	302	Kumbul	10-11	V	Do
	303	Kumbul	14-15	V	Do
	304	Kumbul	10-11	V	Do
	305	Pecuka	17-18	V	Do
	306	Pecuka	11-12	V	Do
	307	Pecuka	14-15	V	Do
	308	Pecuka	10-11	V	Do
	309	Bheul	10-11	V	Do
	310	Bheul	12-13	V	Do
	311	Pecuka	11-12	V	Do
	312	Pecuka	11-12	V	Do
	313	Khirak	11-12	V	Do
	314	Palash	22-23	IV	Do
	315	Pecuka	29-30	IV	Do
	316	Pecuka	15-16	V	Do
	317	Pecuka	16-17	V	Do
	318	Pecuka	12-13	V	Do
	319	Pecuka	13-14	V	Do
	320	Pecuka	12-13	V	Do
	321	Pecuka	12-13	V	Do
	322	Khirak	10-11	V	Do
	323	Khirak	10-11	V	Do
	324	Saun	34-35	III	Do
	325	Saun	40-41	IIA	Do
	326	Pecuka	10-11	V	Do
	327	Pecuka	11-12	V	Do
	328	Pecuka	13-14	V	Do
	329	Pecuka	10-11	V	Do
	330	Pecuka	11-12	V	Do
	331	Pecuka	10-11	V	Do
	332	Pecuka	10-11	V	Do
	333	Pecuka	11-12	V	Do
	334	Pecuka	10-10	V	Do
	335	Pecuka	11-12	V	Do
	336	Pecuka	10-11	V	Do
	337	Pecuka	11-12	V	Do
	338	Pecuka	10-11	V	Do
	339	Pecuka	10-11	V	Do

Name of Forest	Sr. No.	Species	Dia	Class	States of Tree
	340	Khirak	11-12	V	Do
	341	Pachin	18-19	V	Do
	342	Pachin	10-11	V	Do
	343	Pachin	12-13	V	Do
	344	Khirak	10-11	V	Do
	345	Khirak	10-11	V	Do
	346	Kanher	21-22	IV	Do
	347	Khirk	10-11	V	Do
	348	Pachla	16-17	V	Do
	349	Khirk	10-11	V	Do
	350	Pachla	30-31	III	Do
	351	Bawal	10-11	V	Do
	352	Pachla	10-11	V	Do
	353	Bawal	10-11	V	Do
	354	Kanher	10-11	V	Do
	355	Tarli	10-11	V	Do
	356	Pachla	15-16	V	Do
	357	Pachla	14-15	V	Do
	358	Bawl	11-12	V	Do
	359	Bawal	10-11	V	Do
	360	Pachla	12-13	V	Do
	361	Khirk	15-16	V	Do
	362	Pachla	20-21	IV	Do
	363	Khirak	13-14	V	Do
	364	Pachla	15-16	V	Do
	365	Bawal	11-12	V	Do
	366	Tarwla	12-13	V	Do
	367	Pachla	14-15	V	Do
	368	Khirak	12-13	V	Do
	369	Pachla	13-14	V	Do
	370	Pachla	15-16	V	Do
	371	Khirak	12-13	V	Do
	372	Khirak	14-15	V	Do
	373	Khirak	11-12	V	Do
	374	Pachla	10-11	V	Do
	375	Pachla	10-11	V	Do
	376	Bawal	10-11	V	Do
	377	Pachla	10-11	V	Do
	378	Pachla	10-11	V	Do
	379	Pachla	18-19	V	Do
	380	Kanhal	16-17	V	Do
	381	Semar	10-11	V	Do
	382	Pachla	12-13	V	Do
	383	Semar	20-21	IV	Do
	384	Semar	11-12	V	Do
	385	Khirak	20-21	IV	Do
	386	Khirak	14-15	V	Do
	387	Pachla	12-13	V	Do
	388	Pachla	15-16	V	Do

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Name of Forest	Sr. No.	Species	Dia	Class	Status of Tree
	389	Pachka	13-13	V	Do
	390	Sagun	10-11	V	Do
	391	Sagun	13-14	V	Do
	392	Saccia	11-12	V	Do
	393	Pachka	16-17	V	Do
	394	Pachka	14-15	V	Do
	395	Pachka	11-12	V	Do
	396	Pachka	10-11	V	Do
	397	Pachka	11-12	V	Do
	398	Pachka	12-13	V	Do
	399	Pachka	11-12	V	Do
	400	Pachka	15-16	V	Do
	401	Pachka	12-13	V	Do
	402	Khair	12-13	V	Do
	403	Kakad	47-48	IVA	Do
	404	Pachka	12-13	V	Do
	405	Pachka	14-15	V	Do
	406	Pachka	12-13	V	Do
	407	Pachka	12-13	V	Do
	408	Pachka	27-28	IV	Do
	409	Pachka	15-16	V	Do
	410	Pachka	15-16	V	Do
	411	Pachka	12-13	V	Do
	412	Pachka	21-22	IV	Do
	413	Pachka	11-12	V	Do
	414	Pachka	12-13	V	Do
	415	Pachka	10-11	V	Do
	416	Pachka	10-11	V	Do
	417	Pachka	12-13	V	Do
	418	Pachka	12-13	V	Do
	419	Pachka	17-18	V	Do
	420	Pachka	11-12	V	Do
	421	Pachka	16-17	V	Do
	422	Pachka	12-13	V	Do
	423	Pachka	14-15	V	Do
	424	Pachka	11-12	V	Do
	425	Pachka	11-12	V	Do
	426	Pachka	10-11	V	Do

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S. No.	Species		Plus tree											
			V (cubic m)	H (m)	BH dia (cm)	DA (sq.m)	DB (cu.m)	DC (cu.m)	DD (number/ha)	DE (number/ha)	DF (number/ha)	DG (number/ha)	DH (cu.m)	Total (Vol. m³)
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
Total														
Total/ha														

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SEASONAL MOVEMENT

Sl. No.	Species		I (0-0.5 M)	IV (0.5-0.85)	III (0.85-1.2 M)	IIIA (1.2-1.5 M)	IIIB (1.5-1.8 M)	IV (1.8-2.1 M)	V (2.1-2.4 M)	VI (2.4-2.7 M)	VII (2.7-3.0 M)	VIII (3.0-3.3 M)	IX (3.3-3.6 M)	Total (0-3.6 M)
1	Kanta	Num	5.25	25	13	5	1					1		850
		Vol.	47.52	87.38	0.75	1.650	1.20					2.085		899.4
2	Jangal	Num	8.5	30	45	28	9	2	2	2	1	1		331
		Vol.	77.30	97.50	4.125	9.240	13.680	1.826	3.426	4.536	2.565	12.675		864.298
3	Dhaki	Num	2											4
		Vol.	2.160											3.960
4	Kusum	Num	11	6	3	1	1	1	1					31
		Vol.	3.993	7.029	1.125	0.880	1.440	1.596	0.852					31.430
5	Arjuna	Num	5											8
		Vol.	11.100											0.720
6	Jhirwara	Num	7	3	7	1	1							31
		Vol.	1.161	2.502	1.969	0.726	0.720							31.830
7	Dhauda	Num	11	8										82
		Vol.	39.930	3.440										82.431
8	Dhak	Num	81	6	2									90
		Vol.	4.149	4.920	0.562									0.720
9	Tun	Num		1										1
		Vol.		0.502										0.958
10	Dhau	Num	9	1	3									23
		Vol.	3.708	1.260	0.759									2.958
11	Lasoda	Num	22											19
		Vol.	7.635											3.660
12	Kalpa	Num	7		2									3
		Vol.	2.205		0.528									4.890
13	Bor	Num	5	2										8
		Vol.	0.181	0.500										0.648
14	Jhingan	Num	1	1	1									3
		Vol.	0.180	0.260	0.134									1.152
15	Kumbal	Num	1	4										32
		Vol.	0.375	0.540										7.380
16	Amla	Num	1	5										6
		Vol.	0.145	0.140										1.668
17	Khair	Num	1	1										3
		Vol.	0.100	0.131										0.450
18	Jhingan	Num	1	1										3
		Vol.	0.180	0.134										0.450
19	Kumbal	Num	1	1										3
		Vol.	0.375	0.540										1.152
20	Dhak	Num	1											32
		Vol.	0.126											7.380
21	Semal	Num	48	17	5	2								6
		Vol.	5.059	4.430	0.938	0.330								1.668
22	Umra	Num	11	3										3
		Vol.	1.665	0.528										0.450
23	Chironjee	Num	17											3
		Vol.	3.060											1.152
24	Kathbel	Num	3	1										32
		Vol.	0.525	0.525										7.380
25	Amaltas	Num	3	1										6
		Vol.	0.342	0.180										1.668
26	Palas	Num	3											3
		Vol.	0.315											0.450
27	Kumbal	Num		1										3
		Vol.		0.938										1.152
28	Chironjee	Num	8		3									32
		Vol.	0.960		0.756									7.380
29	Dhauda	Num	1	2										6
		Vol.	0.140	0.378										1.668
30	Kalmegh	Num	3	1										3
		Vol.	0.195	0.180										0.450
31	Semla	Num	4											3
		Vol.	0.420											1.152
32	Mahua	Num	1											32
		Vol.	0.126											7.380
Total		Num	380	130	106	36	14	3	3	2	1	2	0	1,016
		Vol.	211.099	176.890	77.258	48.510	34.389	10.170	8.889	6.536	2.565	13.860	0.000	603.502
Sapling		Num												
		Vol.												

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Enumeration list of green standing trees coming in the acquisition of SJVN Surel Dam HEP in D-106 Bivera Forest Teloban Beat , Tattapani Block ,Pangna forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-106	340/331/1	1	Pechka	31-32	III	Green Standing
		2	Pechka	25-26	IV	Do
		3	Pechka	23-22	IV	Do
		4	Bad	92-93	III	Do
		5	Bad	58-59	III	Do
		6	Gandial	26-27	IV	Do
		7	Gaud	94-95	III	Do
		8	Amla	30-31	IV	Do
		9	Pechka	17-18	V	Do
		10	Amaltash	11-12	V	Do
		11	Amla	22-23	IV	Do
		12	Amla	24-25	IV	Do
		13	Mahesh	10-11	V	Do
		14	Bad	10-11	V	Do
		15	Sanar	15-16	V	Do
		16	Pechka	12-13	V	Do
		17	Pechka	13-14	V	Do
		18	Pechka	15-16	V	Do
		19	Bheul	11-12	V	Do
		20	Amla	27-28	IV	Do
		21	Amla	10-11	V	Do
		22	Amla	11-12	V	Do
		23	Pechka	16-17	V	Do
		24	Pechka	16-17	V	Do
		25	Pechka	17-18	V	Do
		26	Chirla	10-11	V	Do
		27	Kanju	11-12	V	Do
		28	Bad	26-27	IV	Do
		29	Bad	25-26	IV	Do
		30	Bad	28-29	IV	Do
		31	Bad	32-33	IV	Do
		32	Pechka	11-12	V	Do
		33	Pechka	12-13	V	Do
		34	Pechka	16-17	V	Do
		35	Amla	16-17	V	Do
		36	Amla	13-14	V	Do
		37	Bad	40-41	III	Do
		38	Bed	35-36	III	Do
		39	Bed	33-34	III	Do
		40	Bed	32-33	IV	Do
		41	Bed	14-15	V	Do
		42	Pechka	13-14	V	Do
		43	Pechka	13-14	V	Do
		44	Chamrash	14-15	V	Do
		45	Pechka	16-17	V	Do
		46	Pechka	14-15	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		47	Pechia	11-16	V	Do
		48	Pechia	15-16	V	Do
		49	Bael	42-43	II A	Do
		50	Bael	47-48	II A	Do
		51	Dhak	18-19	V	Do
		52	Pechla	11-12	V	Do
		53	Pechla	13-14	V	Do
		54	Pechla	20-21	IV	Do
		55	Amaltash	17-18	V	Do
		56	Pechla	17-18	V	Do
		57	Pechla	15-16	V	Do
		58	Pechla	18-19	V	Do
		59	Pechla	22-23	IV	Do
		60	Pechla	13-14	V	Do
		61	Chamrola	14-15	V	Do
		62	Chamrola	15-16	V	Do
		63	Chamrola	10-11	V	Do
		64	Chamrola	14-15	V	Do
		65	Chamrola	13-14	V	Do
		66	Pechla	15-16	V	Do
		67	Amaltash	17-18	V	Do
		68	Pechla	13-14	V	Do
		69	Kangu	11-12	V	Do
		70	Amaltash	15-16	V	Do
		71	Kanwal	12-13	V	Do
		72	Amaltash	21-22	IV	Do
		73	Bael	51-52	II A	Do
		74	Bael	27-28	IV	Do
		75	Pechla	31-32	III	Do
		76	Kangu	27-28	IV	Do
		77	Kanwal	14-15	V	Do
		78	Kandgi	17-18	V	Do
		79	Pechla	12-13	V	Do
		80	Bael	16-17	V	Do
		81	Kikar	30-31	II	Do
		82	Pechla	28-29	IV	Do
		83	Pechla	27-28	IV	Do
		84	Kandgi	17-18	V	Do
		85	Bael	57-58	II A	Do
		86	Pechla	17-18	V	Do
		87	Pechla	23-24	IV	Do
		88	Pechla	18-19	V	Do
		89	Pechla	21-22	IV	Do
		90	Saman	20-21	IV	Do
		91	Saman	18-19	V	Do
		92	Saman	25-26	IV	Do
		93	Pakarh	21-22	IV	Do
		94	Pakarh	15-16	V	Do
		95	Pechla	21-22	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dbh	Class	Status of Tree
		96	Pechila	16-19	V	Do
		97	Pechila	23-24	IV	Do
		98	Pechila	15-16	V	Do
		99	Pechila	27-28	IV	Do
		100	Amaltoola	18-19	V	Do
		101	Amaltash	15-16	V	Do
		102	Amaltash	14-15	V	Do
		103	Chamrode	18-19	V	Do
		104	Chamrode	15-16	V	Do
		105	Pechila	33-34	IV	Do
		106	Bekija	10-11	V	Do
		107	Pechila	13-14	V	Do
		108	Kanjo	16-17	V	Do
		109	Bael	30-31	III	Do
		110	Bael	22-23	IV	Do
		111	Pechila	27-28	IV	Do
		112	Pechila	18-19	V	Do
		113	Pechila	19-20	V	Do
		114	Sarsan	18-19	V	Do
		115	Bael	25-26	IV	Do
		116	Bael	15-16	V	Do
		117	Bael	35-36	III	Do
		118	Bael	11-12	V	Do
		119	Bael	16-17	V	Do
		120	Bael	20-21	IV	Do
		121	Pechila	11-12	V	Do
		122	Pechila	14-15	V	Do
		123	Pechila	15-16	V	Do
		124	Sarsan	20-21	IV	Do
		125	Pechila	18-19	V	Do
		126	Pechila	16-17	V	Do
		127	Pechila	21-22	IV	Do
		128	Pechila	15-16	V	Do
		129	Semrh	11-12	V	Do
		130	Semrh	16-17	V	Do
		131	Sheesham	12-13	V	Do
		132	Bael	28-29	IV	Do
		133	Bael	21-22	IV	Do
		134	Pechila	11-12	V	Do
		135	Pechila	24-25	IV	Do
		136	Pechila	14-15	V	Do
		137	Pechila	16-17	V	Do
		138	Pechila	19-20	V	Do
		139	Bael	16-17	V	Do
		140	Bael	23-24	IV	Do
		141	Bael	20-21	IV	Do
		142	Bael	15-17	V	Do
		143	Semrh	15-16	V	Do
		144	Khair	13-14	V	Do

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Name of Forest	Khasra No.	Sr. No	Species	Dia	Class	Status of Tree
		145	Pechka	15-16	V	Do
		146	Pechka	12-13	V	Do
		147	Kumbal	10-11	V	Do
		148	Kumbal	10-11	V	Do
		149	Kumbal	11-12	V	Do
		150	Kumbal	15-16	V	Do
		151	Kumbal	16-17	V	Do
		152	Jamun	33-34	III	Do
		153	Jamun	33-34	III	Do
		154	Jamun	45-46	II A	Do
		155	Jamun	27-28	IV	Do
		156	Palash	13-12	V	Do
		157	Pechka	10-11	V	Do
		158	Mahua	10-11	V	Do
		159	Mahua	11-12	V	Do
		160	Mahua	10-11	V	Do
		161	Mahua	11-12	V	Do
		162	Bil	22-23	IV	Do
		163	Bil	15-16	V	Do
		164	Bil	10-11	V	Do
		165	Pechka	13-14	V	Do
		166	Pechka	11-12	V	Do
		167	Pechka	10-11	V	Do
		168	Pechka	10-11	V	Do
		169	Pechka	10-11	V	Do
		170	Pechka	16-17	V	Do
		171	Mahua	10-11	V	Do
		172	Mahua	11-12	V	Do
		173	Mahua	10-11	V	Do
		174	Pechka	11-12	V	Do
		175	Pechka	13-14	V	Do
		176	Pechka	13-14	V	Do
		177	Pechka	16-17	V	Do
		178	Mahua	13-14	V	Do
		179	Pechka	10-11	V	Do
		180	Pechka	27-28	IV	Do
		181	Pechka	16-17	V	Do
		182	Pechka	18-19	V	Do
		183	Pechka	34-35	III	Do
		184	Pechka	10-11	V	Do
		185	Pechka	26-27	IV	Do
		186	Pechka	30-31	III	Do
		187	Pechka	36-37	III	Do
		188	Mahua	10-11	V	Do
		189	Mahua	20-21	IV	Do
		190	Pechka	16-17	V	Do
		191	Pechka	26-27	IV	Do
		192	Pechka	14-15	V	Do
		193	Pechka	16-17	V	Do

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Name of Forest	Khasra No.	Sl No	Species	Dia	Class	Status of Tree
		194	Pechila	20-21	IV	Dy
		195	Pechila	20-21	IV	Dy
		196	Pechila	20-21	IV	Dy
		197	Shil	20-21	IV	Dy
		198	Saal	20-21	IV	Dy
		199	Shal	11-12	V	Dy
		200	Pechila	11-12	V	Dy
		201	Pechila	15-17	V	Dy
		202	Pechila	20-21	IV	Dy
		203	Pechila	17-18	V	Dy
		204	Pechila	26-27	IV	Dy
		205	Pechila	26-27	IV	Dy
		206	Pechila	27-28	IV	Dy
		207	Pechila	20-21	IV	Dy
		208	Pechila	21-22	IV	Dy
		209	Pechila	26-27	IV	Dy
		210	Pechila	26-27	IV	Dy
		211	Pechila	21-22	IV	Dy
		212	Pechila	22-23	IV	Dy
		213	Pechila	11-12	V	Dy
		214	Pechila	10-11	V	Dy
		215	Pechila	11-12	V	Dy
		216	Pechila	15-16	V	Dy
		217	Pechila	11-12	V	Dy
		218	Pechila	13-14	V	Dy
		219	Pechila	27-28	IV	Dy
		220	Pechila	13-14	V	Dy
		221	Pechila	18-19	V	Dy
		222	Pechila	15-16	V	Dy
		223	Pechila	13-14	V	Dy
		224	Pechila	17-18	V	Dy
		225	Pechila	26-27	IV	Dy
		226	Pechila	18-19	V	Dy
		227	Pechila	11-12	V	Dy
		228	Pechila	10-11	V	Dy
		229	Pechila	11-12	V	Dy
		230	Pechila	13-14	V	Dy
		231	Pechila	15-16	V	Dy
		232	Pechila	25-26	IV	Dy
		233	Pechila	16-17	V	Dy
		234	Kanga	15-16	V	Dy
		235	Seresh	33-34	III	Dy
		236	Pechila	12-13	IV	Dy
		237	Pechila	16-17	V	Dy
		238	Bel	16-17	V	Dy
		239	Pechila	17-18	V	Dy
		240	Pechila	25-26	IV	Dy
		241	Kanchal	21-22	V	Dy
		242	Kanchal	10-11	V	Dy

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Range Officer Pangaw

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		245	Kanher	10-11	V	Do
		246	Pechka	13-12	V	Do
		247	Pechka	32-33	V	Do
		248	Kanhal	55-56	V	Do
		249	Kanhal	50-51	V	Do
		250	Pechka	27-28	IV	Do
		251	Sheesh	15-17	V	Do
		252	Pechka	24-25	IV	Do
		253	Pechka	23-24	IV	Do
		254	Pechka	89-79	IV	Do
		255	Pechka	20-21	IV	Do
		256	Pechka	31-32	III	Do
		257	Pechka	26-27	IV	Do
		258	Pechka	21-23	IV	Do
		259	Pechka	17-18	V	Do
		260	Pechka	16-17	V	Do
		261	Pechka	15-20	V	Do
		262	Pechka	16-19	V	Do
		263	Pechka	16-17	V	Do
		264	Pechka	14-15	V	Do
		265	Pechka	10-11	V	Do
		266	Bil	16-17	V	Do
		267	Pechka	25-25	IV	Do
		268	Kanhal	13-14	V	Do
		269	Sisam	41-42	II A	Do
		270	Pechka	30-31	III	Do
		271	Pechka	26-27	IV	Do
		272	Pechka	25-26	IV	Do
		273	Pechka	17-18	V	Do
		274	Pechka	35-36	III	Do
		275	Pechka	21-22	IV	Do
		276	Pechka	23-24	IV	Do
		277	Pechka	12-13	V	Do
		278	Pechka	31-32	III	Do
		279	Pechka	25-26	IV	Do
		280	Pechka	17-18	V	Do
		281	Pechka	25-26	IV	Do
		282	Shisham	12-14	V	Do
		283	Pechka	16-17	V	Do
		284	Pechka	18-19	V	Do
		285	Pechka	15-16	V	Do
		286	Pechka	18-19	V	Do
		287	Pechka	34-35	III	Do
		288	Pechka	38-39	III	Do
		289	Amlia	11-12	V	Do
		290	Kalsad	21-22	IV	Do
		291	Kalsad	18-19	V	Do
		292	Pechka	13-12	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dbh	Class	Status of Tree
		292	Pechka	25-26	IV	Do
		293	Pechka	13-14	V	Do
		294	Pechka	18-19	V	Do
		295	Pechka	16-17	V	Do
		296	Pechka	15-16	V	Do
		297	Pechka	12-13	V	Do
		298	Pechka	23-24	IV	Do
		299	Kanjal	18-19	V	Do
		300	Kanjal	12-13	V	Do
		301	Pechka	15-16	V	Do
		302	Pechka	15-16	V	Do
		303	Rai	38-39	III	Do
		304	Rai	37-38	III	Do
		305	Rai	33-34	III	Do
		306	Pechka	15-16	V	Do
		307	Pechka	17-18	V	Do
		308	Amla	11-12	V	Do
		309	Pechka	12-13	V	Do
		310	Pechka	15-16	V	Do
		311	Pechka	11-12	V	Do
		312	Pechka	25-26	IV	Do
		313	Khair	10-11	V	Do
		314	Khair	10-11	V	Do
		315	Kanjal	10-11	V	Do
		316	Pechka	25-26	IV	Do
		317	Pechka	16-17	V	Do
		318	Pechka	22-23	IV	Do
		319	Pechka	17-18	V	Do
		320	Pechka	15-16	V	Do
		321	Rai	16-17	V	Do
		322	Rai	25-26	IV	Do
		323	Rai	23-24	IV	Do
		324	Rai	22-23	IV	Do
		325	Rai	20-21	IV	Do
		326	Pechka	16-17	V	Do
		327	Pechka	13-14	V	Do
		328	Pechka	15-16	V	Do
		329	Pechka	10-11	V	Do
		330	Pechka	11-12	V	Do
		331	Sonan	13-14	III	Do
		332	Pechka	31-32	III	Do
		333	Pechka	13-14	V	Do
		334	Pechka	15-16	V	Do
		335	Pechka	15-16	V	Do
		336	Pechka	21-22	IV	Do
		337	Pechka	25-26	IV	Do
		338	Pechka	15-16	V	Do
		339	Pechka	16-17	V	Do
		340	Pechka	13-14	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		341	Bal	38-39	V	Dry
		342	Pechha	20-23	IV	Do
		343	Pechha	18-19	V	Do
		344	Pechha	15-16	V	Do
		345	Pechha	16-17	V	Do
		346	Pechha	12-13	V	Do
		347	Pechha	11-12	V	Do
		348	Pechha	15-16	V	Do
		349	Pechha	18-19	V	Do
		350	Pechha	27-28	IV	Do
		351	Pechha	21-22	IV	Do
		352	Pechha	11-12	V	Do
		353	Gambal	11-12	V	Do
		354	Bael	18-19	V	Do
		355	Bael	13-14	V	Do
		356	Pechha	15-16	V	Do
		357	Bael	12-13	V	Do
		358	Jaul	28-29	IV	Do
		359	Bael	16-17	V	Do
		360	Bael	11-12	V	Do
		361	Bael	10-11	V	Do
		362	Bael	12-13	V	Do
		363	Bael	13-14	V	Do
		364	Bael	92-93	ID	Do
		365	Bael	24-25	IV	Do
		366	Pechha	28-29	IV	Do
		367	Bael	61-62	A	Do
		368	Bael	63-64	IA	Do
		369	Bael	13-14	V	Do
		370	Pechha	10-11	V	Do
		371	Pechha	16-17	V	Do
		372	Pechha	20-21	IV	Do
		373	Pechha	25-26	IV	Do
		374	Pechha	25-26	IV	Do
		375	Pechha	15-16	V	Do
		376	Pechha	21-22	IV	Do
		377	Pechha	14-15	V	Do
		378	Pechha	14-15	V	Do
		379	Bael	28-29	IV	Do
		380	Bael	25-26	IV	Do
		381	Pechha	15-16	V	Do
		382	Gambal	11-12	V	Do
		383	Gambal	13-14	V	Do
		384	Gambal	10-11	V	Do
		385	Pechha	34-35	III	Do
		386	Pechha	24-25	IV	Do
		387	Pechha	19-20	V	Do
		388	Pechha	26-27	IV	Do
		389	Pechha	12-13	V	Do

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Name of Forest	Khasra No.	Sr.No	Species	Dia	Class	Status of Tree
		390	Sarson	30-31	III	Do
		391	Pechha	13-14	V	Do
		392	Pechha	15-16	V	Do
		393	Pechha	11-12	V	Do
		394	Pechha	15-16	V	Do
		395	Pechha	16-17	V	Do
		396	Pechha	20-21	IV	Do
		397	Pechha	10-11	V	Do
		398	Ber	12-13	V	Do
		399	Pechha	18-19	V	Do
		400	Kambal	13-14	V	Do
		401	Pechha	16-17	V	Do
		402	Pechha	15-16	V	Do
		403	Pechha	11-12	V	Do
		404	Pechha	10-11	V	Do
		405	Kambal	11-12	V	Do
		406	Kambal	15-16	V	Do
		407	Kambal	27-28	IV	Do
		408	Pechha	13-14	V	Do
		409	Pechha	16-17	V	Do
		430	Kambal	15-16	V	Do
		411	Pechha	13-14	V	Do
		412	Pechha	13-14	V	Do
		413	Pechha	22-24	IV	Do
		414	Pechha	23-24	IV	Do
		415	Pechha	24-25	V	Do
		416	Pechha	23-22	IV	Do
		417	Pechha	20-21	V	Do
		418	Pechha	42-43	IA	Do
		419	Kambal	10-11	V	Do
		420	Pechha	19-20	V	Do
		421	Pechha	26-27	IV	Do
		422	Pechha	26-27	IV	Do
		423	Pechha	29-30	IV	Do
		424	Kikad	41-42	IA	Do
		425	Kikad	24-25	IV	Do
		426	Kambal	33-37	III	Do
		427	Kambal	33-34	III	Do
		428	Sarsm	29-30	IV	Do
		429	Pechha	16-17	V	Do
		430	Pechha	16-17	V	Do
		431	Pechha	36-37	III	Do
		432	Pechha	18-19	V	Do
		433	Pechha	21-22	IV	Do
		434	Pechha	36-37	III	Do
		435	Pechha	21-22	IV	Do
		436	Kambal	21-22	IV	Do
		437	Kambal	18-19	V	Do
		438	Kambal	24-25	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		439	Pechka	23-24	IV	Do
		440	Pechka	15-16	V	Do
		441	Pechka	10-11	V	Do
		442	Pechka	10-11	V	Do
		443	Pechka	10-11	V	Do
		444	Pechka	24-25	IV	Do
		445	Pechka	21-22	IV	Do
		446	Pechka	20-21	IV	Do
		447	Pechka	17-18	V	Do
		448	Pechka	18-19	V	Do
		449	Pechka	31-32	IV	Do
		450	Pechka	23-24	IV	Do
		451	Pechka	17-18	V	Do
		452	Pechka	17-18	V	Do
		453	Pechka	28-29	IV	Do
		454	Pechka	28-29	IV	Do
		455	Pechka	31-32	III	Do
		456	Pechka	26-27	IV	Do
		457	Pechka	20-21	IV	Do
		458	Pechka	21-22	IV	Do
		459	Pechka	22-23	IV	Do
		460	Pechka	22-23	IV	Do
		461	Pechka	20-21	IV	Do
		462	Pechka	21-22	IV	Do
		463	Pechka	20-21	IV	Do
		464	Pechka	10-11	V	Do
		465	Pechka	13-14	V	Do
		466	Pechka	22-23	IV	Do
		467	Pechka	22-23	IV	Do
		468	Pechka	20-21	IV	Do
		469	Pechka	20-21	IV	Do
		470	Pechka	21-22	IV	Do
		471	Pechka	18-19	V	Do
		472	Pechka	16-17	V	Do
		473	Pechka	28-29	IV	Do
		474	Pechka	18-19	V	Do
		475	Pechka	16-17	V	Do
		476	Pechka	13-14	V	Do
		477	Pechka	15-16	V	Do
		478	Pechka	16-17	V	Do
		479	Pechka	21-22	IV	Do
		480	Pechka	23-24	IV	Do
		481	Pechka	25-27	IV	Do
		482	Pechka	15-16	V	Do
		483	Phal	23-24	IV	Do
		484	Phal	15-16	V	Do
		485	Kambal	16-17	V	Do
		486	Bail	26-27	IV	Do
		487	Khair	36-39	III	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		492	Kheir	11-12	III	Do
		493	Pachali	20-22	IV	Do
		494	Kumbal	15-16	V	Do
		495	Saran	25-26	IV	Do
		496	Saran	18-19	V	Do
		497	Kambal	23-24	IV	Do
		498	Saran	18-19	V	Do
		499	Saran	21-22	IV	Do
		500	Saran	20-21	IV	Do
		501	Pechka	11-12	V	Do
		502	Pechka	11-12	V	Do
		503	Pechka	15-16	V	Do
		504	Pechka	41-42	III	Do
		505	Pechka	21-22	IV	Do
		506	Pechka	24-25	IV	Do
		507	Pechka	26-27	IV	Do
		508	Pechka	21-22	IV	Do
		509	Pechka	33-35	III	Do
		510	Kambal	35-36	III	Do
		511	Pechka	13-14	V	Do
		512	Pechka	20-21	IV	Do
		513	Pechka	24-25	IV	Do
		514	Jaal	13-14	V	Do
		515	Saran	16-17	V	Do
		516	Kumbal	14-15	V	Do
		517	Biwal	22-23	IV	Do
		518	Biwal	13-14	V	Do
		519	Biwal	13-14	V	Do
		520	Sakoja	16-17	V	Do
		521	Sakoja	14-15	V	Do
		522	Biwal	10-11	V	Do
		523	Kambal	30-31	III	Do
		524	Saran	16-17	V	Do
		525	Pechka	12-13	V	Do
		526	Pechka	36-37	III	Do
		527	Kumbal	15-16	V	Do
		528	Ber	11-12	V	Do
		529	Biwal	21-22	IV	Do
		530	Khaish	10-11	V	Do
		531	Pechka	15-16	V	Do
		532	Saran	10-11	V	Do
		533	Saran	11-12	V	Do
		534	Saran	13-14	V	Do
		535	Pechka	15-16	V	Do
		536	Pechka	16-17	V	Do
		537	Pechka	23-24	IV	Do
		538	Bail	11-12	III	Do
		539	Bail	14-15	V	Do
		540	Kambal	16-17	V	Do

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Range Officer Pangna

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		537	Kanhar	21-22	IV	Do
		538	Ber	18-19	V	Do
		539	Pechla	15-16	V	Do
		540	Pechla	18-19	V	Do
		541	Bad	23-24	IV	Do
		542	Bad	28-29	IV	Do
		543	Bad	21-22	IV	Do
		544	Pechla	21-22	IV	Do
		545	Kanhar	21-22	IV	Do
		546	Pechla	18-19	V	Do
		547	Kanhar	31-32	III	Do
		548	Pechla	28-29	IV	Do
		549	Kanhar	21-22	IV	Do
		550	Kanhar	21-22	IV	Do
		551	Jawal	25-26	IV	Do
		552	Kanhar	28-29	IV	Do
		553	Kanhar	15-16	V	Do
		554	Pechla	34-35	IV	Do
		555	Kanhar	21-22	IV	Do
		556	Pechla	35-36	III	Do
		557	Kanhar	15-16	V	Do
		558	Pechla	22-23	IV	Do
		559	Pechla	27-28	IV	Do
		560	Pechla	21-22	IV	Do
		561	Amla	32-33	III	Do
		562	Pechla	35-36	III	Do
		563	Pechla	31-32	III	Do
		564	Pechla	25-26	IV	Do
		565	Amla	28-29	IV	Do
		566	Pechla	13-14	V	Do
		567	Pechla	37-38	V	Do
		568	Pechla	24-25	IV	Do
		569	Pechla	15-16	V	Do
		570	Pechla	17-18	V	Do
		571	Pechla	19-20	V	Do
		572	Pechla	30-31	III	Do
		573	Pechla	28-29	IV	Do
		574	Pechla	35-36	III	Do
		575	Pechla	21-22	IV	Do
		576	Pechla	26-27	IV	Do
		577	Bel	13-14	V	Do
		578	Bad	23-24	IV	Do
		579	Bad	16-17	V	Do
		580	Bad	26-27	IV	Do
		581	Pechla	28-29	IV	Do
		582	Pechla	26-27	IV	Do
		583	Pechla	11-12	V	Do
		584	Pechla	13-14	V	Do
		585	Pechla	16-17	V	Do

Range Forest Officer
Range Office Pangna

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		585	Pechka	20-21	IV	Do
		587	Pechka	12-13	V	Do
		588	Kanbal	15-16	V	Do
		589	Bad	15-16	V	Do
		590	Bad	21-22	IV	Do
		591	Pechka	26-27	IV	Do
		592	Pechka	21-22	IV	Do
		593	Bad	28-29	IV	Do
		594	Bad	28-29	IV	Do
		595	Bad	29-23	IV	Do
		596	Bad	20-21	IV	Do
		597	Bad	23-24	IV	Do
		598	Bad	28-31	V	Do
		599	Bad	30-31	III	Do
		600	Bad	30-31	III	Do
		601	Pechka	18-19	V	Do
		602	Pechka	15-16	V	Do
		603	Pechka	22-23	IV	Do
		604	Pechka	18-19	V	Do
		605	Pechka	15-16	V	Do
		606	Kanbal	21-22	IV	Do
		607	Bad	11-12	V	Do
		608	Bad	15-16	V	Do
		609	Bad	12-13	V	Do
		610	Bawal	18-19	V	Do
		611	Pechka	15-16	V	Do
		612	Pechka	11-12	V	Do
		613	Bawal	13-14	V	Do
		614	Bawal	15-16	V	Do
		615	Pechka	21-22	IV	Do
		616	Pechka	21-22	IV	Do
		617	Pechka	22-23	IV	Do
		618	Pechka	38-39	III	Do
		619	Pechka	14-15	V	Do
		620	Bad	31-32	III	Do
		621	Bad	11-12	V	Do
		622	Bad	21-22	IV	Do
		623	Bad	23-24	IV	Do
		624	Bad	33-34	IV	Do
		625	Bad	30-31	IV	Do
		626	Pechka	41-42	III	Do
		627	Bad	16-17	V	Do
		628	Bad	11-12	V	Do
		629	Bad	13-14	V	Do
		630	Kanbal	18-19	V	Do
		631	Pechka	28-29	IV	Do
		632	Kanbal	13-14	V	Do
		633	Pechka	23-24	IV	Do
		634	Pechka	21-22	IV	Do

Range Forest Officer
Range Office Pangna

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Kitchha of Tree
		885	Pechka	21-22	IV	Do
		886	Kanchal	18-19	V	Do
		887	Kanchal	15-16	V	Do
		888	Kanchal	15-16	V	Do
		889	Kanchal	15-16	V	Do
		890	Khaiaya	17-18	V	Do
		891	Pechka	24-25	IV	Do
		892	Pechka	21-22	IV	Do
		893	Pechka	21-22	IV	Do
		894	Pechka	23-24	IV	Do
		895	Kanchal	21-22	IV	Do
		896	Kanchal	18-19	V	Do
		897	Kanchal	18-19	V	Do
		898	Pechka	21-22	IV	Do
		899	Seesam	23-24	IV	Do
		900	Seesam	18-19	V	Do
		901	Pechka	20-21	V	Do
		902	Pechka	23-24	IV	Do
		903	Bael	25-26	IV	Do
		904	Bael	26-27	IV	Do
		905	Bael	15-16	V	Do
		906	Bael	15-16	V	Do
		907	Bael	12-13	V	Do
		908	Bael	12-13	V	Do
		909	Pechka	18-19	V	Do
		910	Pechka	18-19	V	Do
		911	Pechka	21-22	IV	Do
		912	Pechka	35-36	III	Do
		913	Pechka	21-22	IV	Do
		914	Pechka	35-36	III	Do
		915	Pechka	15-16	V	Do
		916	Pechka	15-16	V	Do
		917	Pechka	21-22	IV	Do
		918	Pechka	15-16	V	Do
		919	Pechka	23-24	IV	Do
		920	Bael	20-21	IV	Do
		921	Bael	18-19	V	Do
		922	Chamrokh	11-12	V	Do
		923	Amlik	13-Oct	V	Do
		924	Pechka	18-19	V	Do
		925	Pechka	20-21	IV	Do
		926	Pechka	13-Oct	V	Do
		927	Pechka	11-12	V	Do
		928	Amaltash	24-25	IV	Do
		929	Amaltash	18-19	V	Do
		930	Pechka	20-21	IV	Do
		931	Ber	13-Oct	V	Do
		932	Sheesam	35-36	III	Do
		933	Ber	15-16	V	Do

Ranger Forest Officer
Range Office Pangna

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		684	Kanthal	15-15	V	Dry
		685	Kathal	16-17	V	Dry
		686	Pechka	15-16	V	Dry
		687	Pechka	15-16	V	Dry
		688	Pechka	21-22	IV	Dry
		689	Pechka	23-24	IV	Dry
		690	Kasad	16-17	V	Dry
		691	Pechka	16-17	V	Dry
		692	Pechka	16-16	V	Cut
		693	Pechka	21-22	IV	Dry
		694	Pechka	21-22	IV	Dry
		695	Pechka	11-12	V	Dry
		696	Pechka	28-29	IV	Dry
		697	Pechka	23-24	IV	Dry
		698	Pechka	21-22	V	Dry
		699	Pechka	20-21	V	Dry
		700	Pechka	15-15	V	Dry
		701	Pechka	18-19	V	Dry
		702	Pechka	25-26	IV	Dry
		703	Pechka	23-24	IV	Dry
		704	Kanthal	23-24	IV	Dry
		705	Kanthal	20-21	IV	Dry
		706	Kanthal	16-17	V	Dry
		707	Palash	11-12	V	Dry
		708	Pechka	16-17	V	Dry
		709	Palash	15-16	V	Dry
		710	Bad	21-22	IV	Dry
		711	Bad	20-21	IV	Dry
		712	Bad	28-29	IV	Dry
		713	Pechka	13-14	V	Dry
		714	Pechka	15-16	V	Dry
		715	Pechka	13-14	V	Dry
		716	Pechka	13-14	V	Dry
		717	Pechka	15-15	V	Dry
		718	Palash	15-15	V	Dry
		719	Pechka	18-19	V	Dry
		720	Bad	15-15	V	Dry
		721	Pechka	18-19	V	Dry
		722	Pechka	18-19	V	Dry
		723	Pechka	31-32	V	Dry
		724	Pechka	15-16	V	Dry
		725	Pechka	11-12	V	Dry
		726	Pechka	11-12	V	Dry
		727	Pechka	11-12	V	Dry
		728	Pechka	10-11	V	Dry
		729	Pechka	10-11	V	Dry
		730	Pechka	15-16	V	Dry
		731	Palash	11-12	V	Dry
		732	Pechka	10-11	V	Dry

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		733	Pechka	10-11	V	Do
		734	Pechka	10-11	V	Do
		735	Pechka	14-15	V	DO
		736	Pechka	14-15	V	Do
		737	Pechka	14-15	V	Do
		738	Pechka	21-22	IV	Do
		739	Pechka	18-19	V	Do
		740	Pechka	20-21	IV	Do
		741	Pechka	15-16	V	Do
		742	Pechka	13-14	V	Do
		743	Pechka	13-14	V	Do
		744	Pechka	18-19	V	Do
		745	Pechka	16-17	V	Do
		746	Pechka	13-14	V	Do
		747	Pechka	20-21	IV	Do
		748	Pelash	10-11	V	Do
		749	Pechka	21-22	IV	Do
		750	Pechka	15-16	V	Do
		751	Pechka	17-18	V	Do
		752	Pechka	13-14	V	Do
		753	Pechka	21-22	IV	Do
		754	Pechka	23-24	IV	Do
		755	Pechka	20-21	IV	Do
		756	Bad	15-16	V	Do
		757	Bad	16-17	V	Do
		758	Bad	25-27	IV	Do
		759	Bad	26-27	IV	Do
		760	Bae	13-14	V	Do
		761	Pechka	11-Oct	V	Do
		762	Pechka	13-14	V	Do
		763	Pechka	15-16	V	Do
		764	Pechka	10-11	V	Do
		765	Amlaa	13-14	V	Do
		766	Amlaa	10-11	V	Do
		767	Pechka	15-16	V	Do
		768	Amaltash	15-16	V	Do
		769	Amaltash	17-18	V	Do
		770	Pechka	18-19	V	Do
		771	Pechka	20-21	IV	Do
		772	Bae	14-15	V	Do
		773	Bae	14-15	V	Do
		774	Bae	11-12	V	Do
		775	Pechka	17-18	V	Do
		776	Pechka	28-29	IV	Do
		777	Pechka	16-17	V	Do
		778	Pechka	15-16	V	Do
		779	Amaltash	16-17	V	Do
		780	Pechka	16-17	V	Do
		781	Pechka	21-22	IV	Do

Range Forest Officer
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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		783	Pechh	20-21	IV	Do
		784	Pechh	10-11	III	Do
		785	Pechh	17-18	V	Do
		786	Farshat	10-11	V	Do
		787	Pechh	12-13	V	Do
		788	Amaltash	16-17	V	Do
		789	Pechh	21-22	IV	Do
		790	Amaltash	20-21	IV	Do
		791	Amaltash	38-39	V	Do
		792	Pechh	15-16	V	Do
		793	Pechh	14-15	V	Do
		794	Pechh	15-16	V	Do
		795	Pechh	16-17	V	Do
		796	Pechh	20-21	IV	Do
		797	Pechh	11-12	V	Do
		798	Pechh	30-31	III	Do
		799	Pechh	31-32	III	Do
		800	Farshat	10-11	V	Do
		801	Pechh	11-12	V	Do
		802	Pechh	38-39	V	Do
		803	Pechh	20-21	IV	Do
		804	Pechh	15-16	V	Do
		805	Pechh	14-15	V	Do
		806	Pechh	15-16	V	Do
		807	Khair	16-17	V	Do
		808	Pechh	17-18	V	Do
		809	Amaltash	15-16	V	Do
		810	Farshat	11-12	V	Do
		811	Pechh	15-16	V	Do
		812	Pechh	16-17	V	Do
		813	Amb	11-12	V	Do
		814	Pechh	15-16	V	Do
		815	Pechh	15-16	V	Do
		816	Pechh	20-21	IV	Do
		817	Pechh	11-12	V	Do
		818	Pechh	14-15	V	Do
		819	Pechh	23-24	IV	Do
		820	Khair	19-20	V	Do
		821	Khair	20-21	IV	Do
		822	Khair	12-13	V	Do
		823	Pechh	12-13	V	Do
		824	Pechh	24-25	IV	Do
		825	Jand	24-25	IV	Do
		826	Jand	23-24	IV	Do
		827	Jand	23-24	IV	Do
		828	Jand	17-18	V	Do
		829	Kharr	28-29	IV	Do
		830	Pechh	14-15	V	Do

Range Forest Officer
Range Police Pabbi

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		833	Pechka	20-29	V	Do
		832	Pechka	17-18	V	Do
		833	Pechka	25-26	V	Do
		834	Pechka	15-17	V	Do
		835	Pechka	10-11	V	Do
		836	Khair	22-23	IV	Do
		837	Khair	26-27	IV	Do
		838	Khair	17-18	V	Do
		839	Pechka	17-18	V	Do
		840	Pechka	17-18	V	Do
		841	Pechka	15-16	V	Do
		842	Pechka	16-17	V	Do
		843	Anbla	11-12	V	Do
		844	Pechka	15-16	V	Do
		845	Pechka	13-14	V	Do
		846	Pechka	22-23	IV	Do
		847	Pechka	12-13	V	Do
		848	Pechka	14-15	V	Do
		849	Pechka	23-24	IV	Do
		850	Pechka	20-21	IV	Do
		851	Pechka	10-11	V	Do
		852	Pechka	17-18	V	Do
		853	Pechka	15-16	V	Do
		854	Pechka	23-24	IV	Do
		855	Pechka	31-32	III	Do
		856	Pechka	23-24	IV	Do
		857	Pechka	28-29	IV	Do
		858	Pechka	26-27	IV	Do
		859	Pechka	32-33	IV	Do
		860	Bad	21-22	IV	Do
		861	Bad	22-23	IV	Do
		862	Bad	15-16	V	Do
		863	Bad	16-17	V	Do
		864	Pechka	15-16	V	Do
		865	Pechka	20-21	IV	Do
		866	Pechka	26-27	IV	Do
		867	Pechka	15-16	V	Do
		868	Pechka	14-15	V	Do
		869	Khair	16-17	V	Do
		870	Khair	15-16	V	Do
		871	Khair	11-12	V	Do
		872	Khair	13-14	V	Do
		873	Khair	16-17	V	Do
		874	Khair	20-21	IV	Do
		875	Khair	13-14	V	Do
		876	Beriya	16-17	V	Do
		877	Beriya	21-22	IV	Do
		878	Beriya	23-24	IV	Do
		879	Bad	15-16	V	Do

Range Forest Officer
Range Office Pargna

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		880	Bail	17-18	V	Dry
		881	Bail	13-16	V	Do
		882	Bail	15-16	V	Do
		883	Pedda	16-17	V	Do
		884	Pedda	10-11	V	Do
		885	Khair	13-14	V	Do
		886	Khair	16-17	V	Do
		887	Babul	13-14	V	Do
		888	Babul	15-16	V	Do
		889	Pedda	20-21	IV	Do
		890	Pedda	18-19	V	Do
		891	Pedda	20-21	IV	Do
		892	Pedda	19-20	IV	Do
		893	Bail	16-17	V	Do
		894	Bail	13-14	V	Do
		895	Bail	15-16	V	Do
		896	Pedda	16-17	V	Do
		897	Pedda	16-17	V	Do
		898	Pedda	18-19	V	Do
		899	Pedda	15-16	V	Do
		900	Pedda	15-16	V	Do
		901	Pedda	17-18	V	Do
		902	Pedda	10-11	V	Do
		903	Sandal	11-12	V	Do
		904	Pedda	15-16	V	Do
		905	Semul	10-11	V	Do
		906	Pedda	10-11	V	Do
		907	Pedda	45-46	III	Do
		908	Pedda	13-14	V	Do
		909	Pedda	26-27	IV	Do
		910	Pedda	16-17	V	Do
		911	Babul	10-11	V	Do
		912	Pedda	18-19	V	Do
		913	Pedda	11-12	V	Do
		914	Pedda	11-12	V	Do
		915	Pedda	16-17	V	Do
		916	Sandal	10-11	V	Do
		917	Pedda	10-11	V	Do
		918	Pedda	17-18	V	Do
		919	Pedda	21-22	IV	Do
		920	Pedda	31-32	III	Do
		921	Pedda	12-13	V	Do
		922	Pedda	20-21	IV	Do
		923	Pedda	16-17	V	Do
		924	Pedda	11-12	V	Do
		925	Pedda	26-27	IV	Do
		926	Pedda	21-22	IV	Do
		927	Amaltash	26-27	IV	Do
		928	Pedda	21-22	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		937	Pechka	20-24	IV	Do
		938	Pechka	20-23	IV	Do
		939	Pechka	16-17	V	Do
		940	Sisoo	13-14	V	Do
		941	Amaltash	23-32	IV	Do
		942	Amaltash	16-17	V	Do
		943	Amaltash	13-14	V	Do
		944	Bahera	26-27	IV	Do
		945	Bahera	13-14	V	Do
		946	Harra	13-14	III	Do
		947	Kair	16-17	III	Do
		948	Kair	41-42	IIA	Do
		949	Kair	22-23	IV	Do
		950	Kair	28-29	III	Do
		951	Kair	23-24	IV	Do
		952	Pechka	20-23	IV	Do
		953	Amla	16-17	V	Do
		954	Pechka	20-21	IV	Do
		955	Pechka	18-19	V	Do
		956	Pechka	25-26	IV	Do
		957	Pechka	12-13	IV	Do
		958	Bahera	21-22	IV	Do
		959	Kalmal	17-18	V	Do
		960	Siswal	11-12	V	Do
		961	Siswal	13-14	V	Do
		962	Pechka	25-26	IV	Do
		963	Kanchal	15-16	V	Do
		964	Pechka	20-21	IV	Do
		965	Pechka	20-21	IV	Do
		966	Bahera	21-22	IV	Do
		967	Pechka	26-27	IV	Do
		968	Amar	15-16	V	Do
		969	Amar	15-16	V	Do
		970	Amar	15-16	V	Do
		971	Kamkal	16-17	V	Do
		972	Semsh	10-11	V	Do
		973	Semsh	20-21	IV	Do
		974	Siswal	20-21	IV	Do
		975	Pechka	18-19	V	Do
		976	Kanchal	15-16	V	Do
		977	Pechka	22-23	IV	Do
		978	Kalmal	26-27	IV	Do
		979	Kair	25-26	III	Do
		980	Kair	26-27	IV	Do
		981	Kair	23-24	IV	Do
		982	Kair	30-31	III	Do

Range Forest Officer
Range Office Pangna

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Name of Forest	Khasra No.	Sy No	Species	Dia	Class	Status of Tree
		978	Ind	40-41	IA	Dri
		979	Jallad	13-14	V	Dri
		980	Ind	50-52	III	Dri
		981	Pechka	35-36	III	Dri
		982	Pechka	36-37	III	Dri
		983	Pechka	13-14	V	Dri
		984	Pechka	13-14	V	Dri
		985	Dhoul	20-21	IV	Dri
		986	Saran	18-19	V	Dri
		987	Saran	15-16	V	Dri
		988	Pechka	21-22	IV	Dri
		989	Pechka	23-24	IV	Dri
		990	Pechka	13-14	V	Dri
		991	Pechka	11-12	V	Dri
		992	Pechka	18-19	V	Dri
		993	Anjan	18-19	V	Dri
		994	Anjan	16-17	V	Dri
		995	Anjan	20-21	IV	Dri
		996	Pechka	25-26	IV	Dri
		997	Saran	12-13	V	Dri
		998	Saran	26-27	IV	Dri
		999	Saran	11-12	V	Dri
		1000	Pechka	60-64	IA	Dri
		1001	Saran	15-17	V	Dri
		1002	Saran	13-14	V	Dri
		1003	Saran	23-24	IV	Dri
		1004	Pechka	25-26	IV	Dri
		1005	Pechka	26-27	IV	Dri
		1006	Saran	21-22	IV	Dri
		1007	Saran	15-16	V	Dri
		1008	Kanjan	16-17	V	Dri
		1009	Saran	26-27	IV	Dri
		1010	Pechka	36-37	III	Dri
		1011	Pechka	11-12	V	Dri
		1012	Pechka	13-14	V	Dri
		1013	Pechka	10-11	V	Dri
		1014	Pechka	23-24	IV	Dri
		1015	Pechka	23-24	IV	Dri
		1016	Pechka	11-12	V	Dri
		1017	Pechka	11-12	V	Dri
		1018	Pechka	14-15	V	Dri
		1019	Seesh	10-11	V	Dri
		1020	Seesh	11-12	V	Dri
		1021	Seesh	13-14	V	Dri
		1022	Seesh	18-19	V	Dri
		1023	Anjan	11-12	V	Dri
		1024	Saran	25-26	IV	Dri
		1025	Pechka	28-29	IV	Dri
		1026	Pechka	13-14	V	Dri

Range Forest Officer
Range Office Pangod

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1027	Pechka	15-16	V	Dry
		1028	Pechka	13-14	V	Dry
		1029	Pechka	14-15	V	Dry
		1030	Pechka	16-17	V	Dry
		1031	Pechka	21-22	V	Dry
		1032	Pechka	16-17	V	Dry
		1033	Bael	26-27	IV	Dry
		1034	Bael	23-24	IV	Dry
		1035	Bael	21-22	IV	Dry
		1036	Bael	15-16	V	Dry
		1037	Bael	13-14	V	Dry
		1038	Bael	11-12	V	Dry
		1039	Pechka	15-16	V	Dry
		1040	Pechka	16-17	V	Dry
		1041	Pechka	20-21	IV	Dry
		1042	Pechka	18-19	V	Dry
		1043	Pechka	15-16	V	Dry
		1044	Kanjhal	13-14	V	Dry
		1045	Semal	26-27	IV	Dry
		1046	Bael	21-22	IV	Dry
		1047	Bael	20-21	IV	Dry
		1048	Bael	18-19	V	Dry
		1049	Bael	11-12	V	Dry
		1050	Bael	13-14	V	Dry
		1051	Kanjhal	20-21	IV	Dry
		1052	Pechka	12-13	V	Dry
		1054	Pechka	14-15	V	Dry
		1054	Pechka	13-14	V	Dry
		1055	Pechka	14-15	V	Dry
		1056	Pechka	15-16	V	Dry
		1057	Pechka	15-16	V	Dry
		1058	Bael	25-27	IV	Dry
		1059	Pechka	16-17	V	Dry
		1060	Pechka	13-14	V	Dry
		1061	Pechka	11-12	V	Dry
		1062	Pechka	14-15	V	Dry
		1063	Pechka	12-13	V	Dry
		1064	Pechka	16-17	V	Dry
		1065	Pechka	13-14	V	Dry
		1066	Pechka	15-16	V	Dry
		1067	Pechka	16-17	V	Dry
		1068	Pechka	18-19	V	Dry
		1069	Pechka	11-12	V	Dry
		1070	Pechka	13-14	V	Dry
		1071	Pechka	13-14	V	Dry
		1072	Pechka	13-14	V	Dry
		1073	Pechka	11-12	V	Dry
		1074	Pechka	13-14	V	Dry
		1075	Pechka	15-16	V	Dry

Range Officer Panipat

Range Forest Officer
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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1075	Bael	21-22	IV	Dry
		1077	Bael	20-21	IV	Do
		1078	Bael	21-22	IV	Do
		1079	Pechha	17-18	V	Do
		1080	Pechha	13-14	V	Do
		1081	Amla	11-12	V	Do
		1082	Amla	13-14	V	Do
		1083	Amla	15-16	V	Do
		1084	Pechha	13-14	V	Do
		1085	Amla	16-17	V	Do
		1086	Pechha	11-12	V	Do
		1087	Pechha	13-14	V	Do
		1088	Pechha	15-15	V	Do
		1089	Pechha	15-15	V	Do
		1090	Pechha	16-17	V	Do
		1091	Pechha	17-18	V	Do
		1092	Pechha	20-21	IV	Do
		1093	Kanchal	21-22	IV	Do
		1094	Bael	23-24	IV	Do
		1095	Bael	25-26	IV	Do
		1096	Bael	26-27	IV	Do
		1097	Bael	28-29	IV	Do
		1098	Bael	16-17	V	Do
		1099	Pechha	19-20	V	Do
		1100	Pechha	24-25	IV	Do
		1101	Pechha	15-16	V	Do
		1102	Pechha	16-17	V	Do
		1103	Pechha	26-27	IV	Do
		1104	Pechha	18-19	V	Do
		1105	Pechha	15-16	V	Do
		1106	Pechha	13-14	V	Do
		1107	Pechha	19-20	V	Do
		1108	Kanchal	26-27	IV	Do
		1109	Pechha	13-14	V	Do
		1110	Kanchal	23-24	IV	Do
		1111	Pechha	15-16	V	Do
		1112	Pechha	16-17	V	Do
		1113	Pechha	18-19	V	Do
		1114	Pechha	15-16	V	Do
		1115	Pechha	16-17	V	Do
		1116	Pechha	13-14	V	Do
		1117	Pechha	25-27	IV	Do
		1118	Pechha	15-16	V	Do
		1119	Pechha	16-17	V	Do
		1120	Bael	20-21	IV	Do
		1121	Bael	21-22	IV	Do
		1122	Bael	20-21	IV	Do
		1123	Bael	23-24	IV	Do
		1124	Semal	25-26	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1125	Pechha	13-14	V	Do
		1126	Pechha	15-16	V	Do
		1127	Pechha	16-17	V	Do
		1128	Pechha	16-17	V	Do
		1129	Pechha	18-19	V	Do
		1130	Pechha	20-21	IV	Do
		1131	Bael	32-32	II	Do
		1132	Bael	30-31	II	Do
		1133	Bael	26-27	IV	Do
		1134	Bael	15-16	V	Do
		1135	Seesh	13-14	V	Do
		1136	Phjal	15-16	V	Do
		1137	Kanwal	13-14	V	Do
		1138	Kanwal	15-16	V	Do
		1139	Kanwal	13-14	V	Do
		1140	Pechha	28-29	IV	Do
		1141	Pechha	20-21	IV	Do
		1142	Pechha	13-14	V	Do
		1143	Jaksid	13-14	V	Do
		1144	Pechha	20-21	IV	Do
		1145	Ber	20-21	IV	Do
		1146	Pechha	18-19	V	Do
		1147	Pechha	16-17	V	Do
		1148	Pechha	13-14	V	Do
		1149	Bael	16-17	V	Do
		1150	Sae	16-17	V	Do
		1151	Sae	21-22	IV	Do
		1152	Pechha	24-25	IV	Do
		1153	Mauah	14-15	V	Do
		1154	Kanga	13-14	V	Do
		1155	Pechha	14-15	V	Do
		1156	Ber	40-41	III	Do
		1157	Kanga	13-14	V	Do
		1158	Chirla	35-36	V	Do
		1159	Chirla	12-13	V	Do
		1160	Kanga	17-17	V	Do
		1161	Kanga	16-17	V	Do
		1162	Ganga	14-15	V	Do
		1163	Kanga	12-13	V	Do
		1164	Kanga	15-15	V	Do
		1165	Amaltash	27-27	IV	Do
		1166	Amaltash	14-15	V	Do
		1167	Amaltash	12-13	V	Do
		1168	Pechha	28-29	IV	Do
		1169	Pechha	12-13	V	Do
		1170	Pechha	20-21	IV	Do
		1171	Pechha	13-14	V	Do
		1172	Pechha	15-16	V	Do
		1173	Pechha	13-14	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1174	Saman	19-20	V	Dry
		1175	Pachkai	11-12	V	Dry
		1176	Chakla	15-16	V	Dry
		1177	Ashd	51-52	III	Dry
		1178	Kail	60-61	III	Dry
		1179	Pachkai	26-27	IV	Dry
		1180	Pachkai	18-19	V	Dry
		1181	Pachkai	22-23	IV	Dry
		1182	Amaltash	12-13	V	Dry
		1183	Pachkai	30-31	IV	Dry
		1184	Pachkai	11-12	V	Dry
		1185	Pachkai	12-13	V	Dry
		1186	Pachkai	17-18	V	Dry
		1187	Gangai	19-20	V	Dry
		1188	Amaltash	13-14	V	Dry
		1189	Amaltash	11-12	V	Dry
		1190	Amaltash	15-16	V	Dry
		1191	Kangai	14-15	V	Dry
		1192	Amaltash	11-12	V	Dry
		1193	Pachkai	17-18	V	Dry
		1194	Amaltash	14-15	V	Dry
		1195	Amaltash	11-12	V	Dry
		1196	Pachkai	22-23	IV	Dry
		1197	Amltash	12-13	V	Dry
		1198	Pachkai	32-33	IV	Dry
		1199	Ghair	17-18	V	Dry
		1200	Amaltash	13-14	V	Dry
		1201	Kail	15-16	V	Dry
		1202	Kangai	12-13	V	Dry
		1203	Kangai	18-19	V	Dry
		1204	Pachkai	19-20	V	Dry
		1205	Kangai	11-12	V	Dry
		1206	Pachkai	34-35	V	Dry
		1207	Pachkai	13-14	V	Dry
		1208	Pachkai	18-19	V	Grass standing
		1209	Pachkai	15-16	V	Dry
		1210	Pachkai	17-18	V	Dry
		1211	Pachkai	14-15	V	Dry
		1212	Pachkai	30-31	IV	Dry
		1213	Pachkai	34-35	IV	Dry
		1214	Pachkai	13-14	V	Dry
		1215	Pachkai	17-18	V	Dry
		1216	Kail	16-17	V	Dry
		1217	Kail	18-19	V	Dry
		1218	Kail	30-31	IV	Dry
		1219	Amla	13-14	V	Dry
		1220	Amla	11-12	V	Dry
		1221	Kangai	15-16	V	Dry
		1222	Kangai	10-11	V	Dry

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1223	Pachkia	15-16	V	Dri
		1224	Pachkia	13-14	V	Dry
		1225	Pachkia	18-19	V	Dry
		1226	Pachkia	20-21	IV	Dry
		1227	Pachkia	22-23	IV	Dry
		1228	Pachkia	13-14	V	Dry
		1229	Pachkia	15-16	V	Dry
		1230	Pachkia	13-14	V	Dry
		1231	Pachkia	15-16	V	Dry
		1232	Pachkia	20-21	IV	Dry
		1233	Pachkia	18-19	V	Dry
		1234	Pachkia	22-23	IV	Dry
		1235	Pachkia	15-16	V	Dry
		1236	Pachkia	14-15	V	Dry
		1237	Kikad	17-18	V	Dry
		1238	Kikad	15-16	V	Dry
		1239	Kikad	13-14	V	Dry
		1240	Amaltash	15-16	V	Dry
		1241	Amaltash	20-21	IV	Dry
		1242	Amaltash	13-14	V	Dry
		1243	Sperm	23-24	IV	Dry
		1244	Sarus	15-16	V	Dry
		1245	Pachkia	18-19	V	Dry
		1246	Pachkia	23-24	IV	Dry
		1247	Pachkia	21-22	IV	Dry
		1248	Pachkia	15-16	V	Dry
		1249	Pachkia	18-19	V	Dry
		1250	Pachkia	23-24	IV	Dry
		1251	Pachkia	13-14	V	Dry
		1252	Pachkia	18-19	V	Dry
		1253	Kanjar	15-16	V	Dry
		1254	Kanjar	18-19	V	Dry
		1255	Neem	17-18	V	Dry
		1256	Neem	15-16	V	Dry
		1257	Pachkia	13-14	V	Dry
		1258	Pachkia	18-19	V	Dry
		1259	Pachkia	23-24	IV	Dry
		1260	Pachkia	15-16	V	Dry
		1261	Pachkia	18-19	V	Dry
		1262	Pachkia	23-24	IV	Dry
		1263	Pachkia	17-18	V	Dry
		1264	Pachkia	13-14	V	Dry
		1265	Pachkia	15-16	V	Dry
		1266	Kandual	18-19	V	Dry
		1267	Kandual	15-16	V	Dry
		1268	Kandual	17-18	V	Dry
		1269	Aonla	17-18	V	Dry
		1270	Aonla	15-16	V	Dry
		1271	Aonla	21-22	IV	Dry

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Name of Forest	Khasra No.	Sr No	Species	Dbh	Class	Status of Tree
		1272	Rohi	32-34	III	Dry
		1273	Rohi	30-31	III	Dry
		1274	Rohi	15-19	V	Dry
		1275	Rohi	24-28	IV	Dry
		1276	Pachia	18-19	V	Dry
		1277	Pachia	15-16	V	Dry
		1278	Pachia	25-26	IV	Dry
		1279	Pachia	21-22	IV	Dry
		1280	Pachia	15-16	V	Dry
		1281	Pachia	14-15	V	Dry
		1282	Pachia	18-19	V	Dry
		1283	Pachia	23-24	IV	Dry
		1284	Pachia	17-18	V	Dry
		1285	Kanthal	15-16	V	Dry
		1286	Kanthal	14-15	V	Dry
		1287	Pachia	18-19	V	Dry
		1288	Pachia	15-16	V	Dry
		1289	Pachia	17-18	V	Dry
		1290	Pachia	13-14	V	Dry
		1291	Amaltas	14-15	V	Dry
		1292	Amaltas	13-14	V	Dry
		1293	Pachia	15-16	V	Dry
		1294	Pachia	18-19	V	Dry
		1295	Pachia	23-24	IV	Dry
		1296	Pachia	18-19	V	Dry
		1297	Pachia	15-16	V	Dry
		1298	Pachia	17-18	V	Dry
		1299	Pachia	13-14	V	Dry
		1300	Pachia	23-24	IV	Dry
		1301	Pachia	27-28	IV	Dry
		1302	Pachia	16-17	V	Dry
		1303	Pachia	15-16	V	Dry
		1304	Pachia	14-15	V	Dry
		1305	Kanthal	15-16	V	Dry
		1306	Kanthal	21-22	IV	Dry
		1307	Pachia	15-16	V	Dry
		1308	Pachia	23-24	IV	Dry
		1309	Pachia	27-28	IV	Dry
		1310	Pachia	31-32	III	Dry
		1311	Pachia	18-19	V	Dry
		1312	Pachia	23-24	IV	Dry
		1313	Pachia	15-16	V	Dry
		1314	Shisham	15-16	V	Dry
		1315	Shisham	15-16	V	Dry
		1316	Shisham	13-14	V	Dry
		1317	Semal	18-19	V	Dry
		1318	Semal	15-16	V	Dry
		1319	Pachia	18-19	V	Dry
		1320	Pachia	27-28	IV	Dry

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Name of Forest	Khasra No.	Sr No	Agaples	Dia	Class	Status of Tree
		1321	Dalbergia	21-24	IV	Do
		1322	Dalbergia	17-18	V	Do
		1323	Dalbergia	15-16	V	Do
		1324	Ber	21-22	IV	Do
		1325	Ber	15-16	V	Do
		1326	Ber	17-18	V	Do
		1327	Acridiaish	15-16	V	Do
		1328	Acridiaish	21-22	IV	Do
		1329	Acridiaish	18-19	V	Do
		1330	Pochia	23-24	IV	Do
		1331	Pochia	30-31	III	Do
		1332	Pochia	31-32	III	Do
		1333	Pochia	18-19	V	Do
		1334	Pochia	15-16	V	Do
		1335	Pochia	27-28	IV	Do
		1336	Pochia	21-22	IV	Do
		1337	Pochia	18-19	V	Do
		1338	Pochia	14-15	V	Do
		1339	Kaliad	17-18	V	Do
		1340	Kaliad	15-16	V	Do
		1341	Kaliad	13-14	V	Do
		1342	Kanthol	18-19	V	Do
		1343	Kanthol	15-16	V	Do
		1344	Pochia	30-31	III	Do
		1345	Pochia	15-16	V	Do
		1346	Pochia	18-19	V	Do
		1347	Pochia	21-22	IV	Do
		1348	Pochia	15-16	V	Do
		1349	Pochia	17-18	V	Do
		1350	Pochia	21-22	IV	Do
		1351	Khair	13-14	V	Do
		1352	Khair	21-22	IV	Do
		1353	Khair	15-16	V	Do
		1354	Khair	30-31	III	Do
		1355	Khair	15-16	V	Do
		1356	Kachnar	21-22	IV	Do
		1357	Kachnar	18-19	V	Do
		1358	Kachnar	22-23	IV	Do
		1359	Kachnar	15-16	V	Do
		1360	Pochia	18-19	V	Do
		1361	Pochia	14-15	V	Do
		1362	Pochia	16-17	V	Do
		1363	Pochia	23-24	IV	Do
		1364	Pochia	22-23	IV	Do
		1365	Pochia	15-16	V	Do
		1366	Pochia	15-16	V	Do
		1367	Pochia	18-19	V	Do
		1368	Pochia	23-24	IV	Do
		1369	Pochia	15-16	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1370	Pechha	16-17	V	Dry
		1371	Pechha	20-21	IV	Dry
		1372	Pechha	30-31	III	Dry
		1373	Pechha	31-32	III	Dry
		1374	Kanga	15-16	V	Dry
		1375	Kanga	18-19	V	Dry
		1376	Kahar	15-16	V	Dry
		1377	Kanol	17-18	V	Dry
		1378	Pechha	15-16	V	Dry
		1379	Pechha	16-16	V	Dry
		1380	Pechha	20-21	IV	Dry
		1381	Pechha	15-16	V	Dry
		1382	Pechha	18-18	V	Dry
		1383	Pechha	25-26	IV	Dry
		1384	Pechha	32-33	IV	Dry
		1385	Pechha	15-16	V	Dry
		1386	Pechha	13-14	V	Dry
		1387	Pechha	18-19	V	Dry
		1388	Pechha	21-22	IV	Dry
		1389	Amaltash	15-16	V	Dry
		1390	Amaltash	18-19	V	Dry
		1391	Amaltash	21-22	IV	Dry
		1392	Amaltash	15-16	V	Dry
		1393	Saman	18-19	V	Dry
		1394	Saman	22-23	IV	Dry
		1395	Saman	21-22	IV	Dry
		1396	Saman	15-16	V	Dry
		1397	Kanihar	15-16	V	Dry
		1398	Kanihar	16-19	V	Dry
		1399	Kanihar	18-19	V	Dry
		1400	Pechha	21-22	IV	Dry
		1401	Pechha	18-19	V	Dry
		1402	Pechha	15-16	V	Dry
		1403	Pechha	17-18	V	Dry
		1404	Pechha	23-24	IV	Dry
		1405	Pechha	30-31	III	Dry
		1406	Pechha	15-16	V	Dry
		1407	Pechha	18-19	V	Dry
		1408	Pechha	15-16	V	Dry
		1409	Pechha	17-18	V	Dry
		1410	Pechha	15-16	V	Dry
		1411	Amaltash	13-14	V	Dry
		1412	Amaltash	16-19	V	Dry
		1413	Kanihar	18-19	V	Dry
		1414	Kanihar	13-14	V	Dry
		1415	Kanihar	15-16	V	Dry
		1416	Pechha	17-18	V	Dry
		1417	Pechha	21-22	IV	Dry
		1418	Pechha	24-25	IV	Dry

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1419	Pechka	15-16	V	Do
		1420	Pechka	18-19	V	Do
		1421	Pechka	24-25	IV	Do
		1422	Pechka	15-16	V	Do
		1423	Pechka	25-26	IV	Do
		1424	Pechka	16-17	V	Do
		1425	Pechka	17-18	V	Do
		1426	Saroa	25-26	IV	Do
		1427	Saroa	18-19	V	Do
		1428	Bahja	30-31	III	Do
		1429	Bahja	21-22	IV	Do
		1430	Bahja	17-18	V	Do
		1431	Pechka	30-31	III	Do
		1432	Pechka	32-33	III	Do
		1433	Pechka	19-18	V	Do
		1434	Pechka	23-24	IV	Do
		1435	Pechka	21-22	IV	Do
		1436	Pechka	15-16	V	Do
		1437	Pechka	17-18	V	Do
		1438	Pechka	16-16	V	Do
		1439	Pechka	24-25	IV	Do
		1440	Pechka	18-19	V	Do
		1441	Bahja	18-19	V	Do
		1442	Bahja	21-22	IV	Do
		1443	Pechka	15-16	V	Do
		1444	Pechka	17-18	V	Do
		1445	Pechka	23-24	IV	Do
		1446	Pechka	25-26	IV	Do
		1447	Pechka	15-16	V	Do
		1448	Pechka	30-31	III	Do
		1449	Pechka	18-19	V	Do
		1450	Pechka	17-18	V	Do
		1451	Kahal	18-19	V	Do
		1452	Kahal	21-22	IV	Do
		1453	Kahal	23-24	IV	Do
		1454	Pechka	30-31	III	Do
		1455	Pechka	30-31	III	Do
		1456	Pechka	25-26	IV	Do
		1457	Pechka	18-19	V	Do
		1458	Pechka	17-18	V	Do
		1459	Pechka	15-16	V	Do
		1460	Pechka	21-22	IV	Do
		1461	Pechka	18-19	V	Do
		1462	Pechka	13-14	V	Do
		1463	Pechka	15-16	V	Do
		1464	Pechka	27-28	IV	Do
		1465	Pechka	15-16	V	Do
		1466	Pechka	23-24	IV	Do
		1467	Pechka	15-16	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		3468	Pachira	18-19	V	Do
		3469	Pachira	20-21	IV	Do
		2470	Pachira	15-16	V	Do
		3471	Ficus	35-36	III	Do
		3472	Ficus	33-34	III	Do
		3473	Ficus	25-26	IV	Do
		3474	Kadamar	25-26	IV	Do
		3475	Kadamar	15-16	V	Do
		3476	Kadamar	13-14	V	Do
		3477	Pachira	21-22	IV	Do
		3478	Pachira	18-19	V	Do
		3479	Pachira	13-14	V	Do
		3480	Pachira	17-18	V	Do
		3481	Pachira	15-16	V	Do
		3482	Pachira	23-24	IV	Do
		3483	Pachira	22-23	IV	Do
		3484	Pachira	15-16	V	Do
		3485	Pachira	15-16	V	Do
		3486	Pachira	15-16	V	Do
		3487	Kadamb	19-20	V	Do
		3488	Kadamb	17-18	V	Do
		3489	Pachira	23-24	IV	Do
		3490	Pachira	25-26	IV	Do
		3491	Pachira	15-16	V	Do
		3492	Pachira	17-18	V	Do
		3493	Pachira	15-16	V	Do
		3494	Pachira	15-16	V	Do
		3495	Pachira	17-18	V	Do
		3496	Pachira	15-16	V	Do
		3497	Pachira	15-16	V	Do
		3498	Pachira	15-16	V	Do
		3499	Kadamb	15-16	V	Do
		3500	Kadamb	18-19	V	Do
		3501	Amla	15-16	V	Do
		3502	Amla	18-19	V	Do
		3503	Bawal	18-19	V	Do
		3504	Bawal	21-22	IV	Do
		3505	Bawal	15-16	V	Do
		3506	Kanchal	16-17	V	Do
		3507	Kanchal	15-16	V	Do
		3508	Kanchal	31-32	IV	Do
		3509	Kanchal	15-16	V	Do
		3510	Pachira	15-16	V	Do
		3511	Pachira	21-22	V	Do
		3512	Pachira	26-27	IV	Do
		3513	Pachira	18-19	IV	Do
		3514	Pachira	15-16	V	Do
		3515	Pachira	17-18	V	Do
		3516	Pachira	17-18	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1517	Pechka	20-21	IV	Do
		1518	Pechka	15-16	V	Do
		3519	Pechka	15-16	V	Do
		1520	Pechka	18-19	V	Do
		1521	Baleja	26-27	IV	Do
		1522	Baleja	15-16	V	Do
		1523	Baleja	18-19	V	Do
		1524	Bimal	21-22	IV	Do
		1525	Bimal	18-19	V	Do
		1526	Bimal	15-16	V	Do
		1527	Amaltash	15-16	V	Do
		1528	Amaltash	17-18	V	Do
		1529	Amaltash	15-16	V	Do
		1530	Amaltash	17-18	V	Do
		1531	Pechka	17-18	V	Do
		1532	Pechka	15-16	V	Do
		1533	Pechka	23-24	IV	Do
		1534	Pechka	17-18	V	Do
		1535	Pechka	17-18	V	Do
		1536	Pechka	15-16	V	Do
		1537	Pechka	13-14	V	Do
		1538	Pechka	21-22	IV	Do
		1539	Pechka	15-16	V	Do
		1540	Pechka	30-31	III	Do
		1541	Pechka	20-21	IV	Do
		1542	Pechka	15-16	V	Do
		1543	Pechka	13-14	V	Do
		1544	Kalsa	21-22	IV	Do
		1545	Kalsa	15-16	V	Do
		1546	Kachnar	21-22	IV	Do
		1547	Kachnar	19-20	V	Do
		1548	Kachnar	13-14	V	Do
		1549	Pechka	18-19	V	Do
		1550	Pechka	15-16	V	Do
		1551	Pechka	13-14	V	Do
		1552	Pechka	18-19	V	Do
		1553	Pechka	22-23	IV	Do
		1554	Pechka	21-22	IV	Do
		1555	Pechka	30-31	III	Do
		1556	Pechka	31-32	III	Do
		1557	Pechka	15-16	V	Do
		1558	Pechka	23-24	IV	Do
		1559	Pechka	16-17	V	Do
		1560	Gamhar	15-16	V	Do
		1561	Gamhar	13-14	V	Do
		1562	Gamhar	13-14	V	Do
		1563	Semar	24-25	IV	Do
		1564	Bad	30-31	III	Do
		1565	Bad	28-29	IV	Do

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Name of Forest	Khasra No.	Sr No	Agencies	Dia	Class	Status of Tree
		1566	Pechka	30-31	III	Dry
		1567	Pechka	28-29	IV	Do
		1568	Pechka	30-31	III	Do
		1569	Pechka	15-16	V	Do
		1570	Pechka	26-27	IV	Do
		1571	Pechka	21-22	IV	Do
		1572	Pechka	15-16	V	Do
		1573	Pechka	16-17	V	Do
		1574	Pechka	28-29	IV	Do
		1575	Pechka	30-31	V	Do
		1576	Pechka	15-16	V	Do
		1577	Pechka	32-33	III	Do
		1578	Pechka	15-16	V	Do
		1579	Kurgu	16-17	V	Do
		1580	Kurgu	16-17	V	Do
		1581	Kurgu	15-16	V	Do
		1582	Pechka	28-29	IV	Do
		1583	Pechka	15-16	V	Do
		1584	Pechka	16-17	V	Do
		1585	Pechka	15-16	V	Do
		1586	Pechka	23-24	IV	Do
		1587	Pechka	16-17	V	Do
		1588	Pechka	20-21	V	Do
		1589	Pechka	15-16	V	Do
		1590	Pechka	15-16	V	Do
		1591	Chamrunda	28-29	IV	Do
		1592	Khair	15-16	V	Do
		1593	Khair	21-22	IV	Do
		1594	Khair	17-18	V	Do
		1595	Amaltash	15-16	V	Do
		1596	Amaltash	27-28	IV	Do
		1597	Amaltash	15-16	V	Do
		1598	Amaltash	16-17	V	Do
		1599	Pechka	27-28	IV	Do
		1600	Pechka	15-16	V	Do
		1601	Pechka	16-17	V	Do
		1602	Pechka	28-29	IV	Do
		1603	Pechka	30-31	III	Do
		1604	Pechka	17-18	V	Do
		1605	Pechka	15-16	V	Do
		1606	Amaltash	17-18	V	Dry
		1607	Amaltash	24-25	V	Do
		1608	Amala	18-19	V	Do
		1609	Anjna	21-22	IV	Do
		1610	Kanbal	17-18	V	Do
		1611	Kanbal	15-16	V	Do
		1612	Pechka	17-18	V	Do
		1613	Pechka	26-27	IV	Do
		1614	Pechka	18-19	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1615	Pechia	35-36	V	Do
		1616	Pechia	21-22	IV	Do
		1617	Pechia	14-15	V	Do
		1618	Pechia	18-18	V	Do
		1619	Pechia	35-36	V	Do
		1620	Pechia	13-14	V	Do
		1621	Kikar	17-18	V	Do
		1622	Kikar	15-16	V	Do
		1623	Pechia	31-32	III	Do
		1624	Pechia	27-28	IV	Do
		1625	Pechia	21-22	IV	Do
		1626	Pechia	15-16	V	Do
		1627	Pechia	13-14	V	Do
		1628	Jand	21-22	IV	Do
		1629	Jand	30-31	III	Do
		1630	Jand	28-29	IV	Do
		1631	Kanju	17-18	V	Do
		1632	Kanju	15-16	V	Do
		1633	Pechia	31-32	III	Do
		1634	Pechia	21-22	IV	Do
		1635	Pechia	27-28	IV	Do
		1636	Pechia	15-16	V	Do
		1637	Pechia	13-14	V	Do
		1638	Pechia	26-27	IV	Do
		1639	Pechia	15-16	V	Do
		1640	Pechia	38-39	V	Do
		1641	Pechia	21-22	IV	Do
		1642	Pechia	33-34	V	Do
		1643	Pechia	17-18	V	Do
		1644	Pechia	15-16	V	Do
		1645	Pechia	23-23	IV	Do
		1646	Pechia	15-16	V	Do
		1647	Amaltash	18-19	V	Do
		1648	Amaltash	15-16	V	Do
		1649	Amaltash	17-18	V	Do
		1650	Amaltash	14-15	V	Do
		1651	Pechia	25-26	IV	Do
		1652	Pechia	14-15	V	Do
		1653	Pechia	21-22	IV	Do
		1654	Pechia	15-16	V	Do
		1655	Pechia	17-18	V	Do
		1656	Pechia	14-15	V	Do
		1657	Pechia	15-16	V	Do
		1658	Pechia	30-31	III	Do
		1659	Pechia	28-29	IV	Do
		1660	Pechia	14-15	V	Do
		1661	Dalbergia	15-16	V	Do
		1662	Dalbergia	27-28	IV	Do
		1663	Dalbergia	21-22	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		1664	Sagun	27-28	IV	Do
		1665	Sagun	22-22	IV	Do
		1666	Sagun	15-16	V	Do
		1667	Pechka	19-20	V	Do
		1668	Pechka	15-15	V	Do
		1669	Pechka	23-23	IV	Do
		1670	Pechka	15-16	V	Do
		1671	Pechka	14-15	V	Do
		1672	Bail	29-29	IV	Do
		1673	Bail	21-23	IV	Do
		1674	Bail	15-16	V	Do
		1675	Kangu	17-18	V	Do
		1676	Kangu	15-16	V	Do
		1677	Kangu	13-14	V	Do
		1678	Kikar	13-14	V	Do
		1679	Kikar	27-28	IV	Do
		1680	Kikar	18-19	V	Do
		1681	Pechka	36-37	II	Do
		1682	Pechka	31-32	II	Do
		1683	Pechka	18-19	V	Do
		1684	Pechka	22-22	IV	Do
		1685	Pechka	15-16	V	Do
		1686	Pechka	18-19	V	Do
		1687	Pechka	23-24	IV	Do
		1689	Kamool	17-18	V	Do
		1688	Kamool	14-15	V	Do
		1690	Kangu	18-19	V	Do
		1691	Kangu	15-16	V	Do
		1692	Saman	23-22	IV	Do
		1693	Kachnar	15-16	V	Do
		1694	Kachnar	21-22	IV	Do
		1695	Kachnar	15-19	V	Do
		1696	Pechka	18-19	V	Do
		1697	Pechka	15-16	V	Do
		1698	Pechka	21-22	IV	Do
		1699	Pechka	26-27	IV	Do
		1700	Pechka	13-14	V	Do
		1701	Pechka	15-16	V	Do
		1702	Bahga	18-19	V	Do
		1703	Bahga	15-16	V	Do

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ABSTRACT

Sl. no.	Name of the Species		Number of Trees											
			I	II	III	IV	V	VI	VII	VIII	IX	X	XI	Total
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						[illegible]
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3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]									[illegible]
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		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]
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		[illegible]	[illegible]	[illegible]	[illegible]									[illegible]
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		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]
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		[illegible]	[illegible]											[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]
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		[illegible]	[illegible]	[illegible]										[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]
		[illegible]	[illegible]	[illegible]										[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]
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25	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]
		[illegible]	[illegible]	[illegible]										[illegible]
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		[illegible]	[illegible]	[illegible]										[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]
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30	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]
		[illegible]	[illegible]	[illegible]										[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]
		[illegible]	[illegible]	[illegible]										[illegible]
Total		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sapling		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		

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Enumeration list of green standing trees coming in the acquisition of SJVN Sunni Dam HEP in D-106 Shora Forest Tehsil Rest , Tattapani Distt ,Pangna forest range of karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-106	343/154/1	1	Anardwal	15-16	V	Green Standing
		2	Pachna	18-19	V	Do
		3	Pachna	16-17	V	Do
		4	Pachla	16-17	V	Do
		5	Pachla	20-21	IV	Do
		6	Pachla	11-12	V	Do
		7	Pachla	10-11	V	Do
		8	Pachla	11-12	V	Do
		9	Pachla	15-16	V	Do
		10	Pachla	10-11	V	Do
		11	Kanchal	11-12	V	Do
		12	Bial	15-16	V	Do
		13	Bial	16-19	V	Do
		14	Pachla	20-21	IV	Do
		15	Pachla	23-24	IV	Do
		16	Pachla	13-14	V	Do
		17	Pachla	26-27	IV	Do
		18	Kanchal	16-17	V	Do
		19	Kanchal	18-19	V	Do
		20	Pachla	11-12	V	Do
		21	Bial	26-27	IV	Do
		22	Bial	15-16	V	Do
		23	Pachla	15-16	V	Do
		24	Bial	23-24	IV	Do
		25	Bial	10-11	V	Do
		26	Bial	16-17	V	Do
		27	Pachla	16-17	V	Do
		28	Pachla	15-16	V	Do
		29	Kanchal	16-19	V	Do
		30	Kanchal	16-17	V	Do
		31	Pachla	16-17	V	Do
		32	Pachla	13-14	V	Do
		33	Amaltash	15-16	V	Do
		34	Pachla	16-17	V	Do
		35	Pachla	15-16	V	Do
		36	Pachla	10-11	V	Do
		37	Pachla	11-12	V	Do
		38	Pachla	15-16	V	Do
		39	Pachla	18-19	V	Do
		40	Pachla	20-21	IV	Do
		41	Pachla	23-24	IV	Do
		42	Pachla	16-17	V	Do
		43	Pachla	26-27	IV	Do
		44	Pachla	16-17	V	Do
		45	Pachla	17-18	V	Do
		46	Amaltash	17-18	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		47	Khejra	26-27	IV	Dry
		48	Khejra	10-11	V	Dry
		49	Sisam	16-17	V	Dry
		50	Sisam	18-19	V	Dry
		51	Pechda	11-12	V	Dry
		52	Pechda	14-15	V	Dry
		53	Pechda	15-16	V	Dry
		54	Pechda	30-31	IV	Dry
		55	Pechda	30-31	IV	Dry
		56	Kirirdal	33-34	IV	Dry
		57	Pechda	13-14	V	Dry
		58	Pechda	16-17	V	Dry
		59	Amaltash	18-19	V	Dry
		60	Bad	14-15	V	Dry
		61	Pechda	30-31	IV	Dry
		62	Pechda	16-17	V	Dry
		63	Bill	32-33	IV	Dry
		64	Pechda	13-14	V	Dry
		65	Pechda	16-17	V	Dry
		66	Semal	21-22	IV	Dry
		67	Semal	23-24	IV	Dry
		68	Kanera	15-16	V	Dry
		69	Kanera	18-19	V	Dry
		70	Pechda	20-21	IV	Dry
		71	Pechda	11-12	V	Dry
		72	Bad	23-24	IV	Dry
		73	Bad	20-21	IV	Dry
		74	Bad	17-18	V	Dry
		75	Pechda	13-14	V	Dry
		76	Semal	19-20	V	Dry
		77	Semal	13-14	V	Dry
		78	Semal	11-12	V	Dry
		79	Semal	15-16	V	Dry
		80	Semal	16-17	V	Dry
		81	Semal	18-19	V	Dry
		82	Pechda	11-12	V	Dry
		83	Pechda	10-11	V	Dry
		84	Pechda	15-16	V	Dry
		85	Pechda	16-17	V	Dry
		86	Pechda	23-24	IV	Dry
		87	Pechda	13-14	V	Dry
		88	Semal	23-24	IV	Dry
		89	Amla	21-22	IV	Dry
		90	Amla	20-21	IV	Dry
		91	Amla	36-37	IV	Dry
		92	Amla	16-17	V	Dry
		93	Amla	13-14	V	Dry
		94	Pechda	11-12	V	Dry
		95	Pechda	18-19	V	Dry

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		97	Amla	19-19	V	Da
		98	Khair	13-14	V	Do
		99	Peekha	13-14	V	Do
		100	Semal	30-31	IV	Do
		101	Peekha	15-16	V	Do
		102	Peekha	09-11	V	Do
		103	Peekha	10-11	V	Do
		104	Amaltash	12-13	V	Do
		105	Amaltash	15-16	V	Do
		106	Amaltash	11-12	V	Do
		107	Bahaura	10-21	V	Do
		108	Amaltash	10-11	V	Do
		109	Amaltash	11-12	V	Do
		110	Bael	20-21	IV	Do
		111	Bael	21-22	IV	Do
		112	Peekha	13-14	V	Do
		113	Peekha	15-16	V	Do
		114	Amaltash	15-16	V	Do
		115	Amaltash	16-17	V	Do
		116	Peekha	22-23	IV	Do
		117	Peekha	13-14	V	Do
		118	Amla	18-19	V	Do
		119	Peekha	16-17	V	Do
		120	Peekha	23-24	IV	Do
		121	Semal	20-22	IV	Do
		122	Semal	18-19	V	Do
		123	Semal	16-17	V	Do
		124	Palash	16-17	V	Do
		125	Peekha	20-21	IV	Do
		126	Semal	36-37	IV	Do
		127	Semal	13-14	V	Do
		128	Khair	15-16	V	Do
		129	Peekha	16-17	V	Do
		130	Peekha	18-19	V	Do
		131	Peekha	11-12	V	Do
		132	Peekha	10-11	V	Do
		133	Semal	15-16	V	Do
		134	Amaltash	16-17	V	Do
		135	Semal	26-27	V	Do
		136	Semal	11-12	V	Do
		137	Bahaa	20-21	IV	Do
		138	Khair	16-17	V	Do
		139	Khair	17-18	V	Do
		140	Peekha	13-14	V	Do
		141	Peekha	15-16	V	Do
		142	Peekha	16-17	V	Do
		143	Peekha	15-16	V	Do
		144	Peekha	10-11	V	Do
		145	Peekha	11-12	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		146	Pachira	13-16	V	Do
		147	Pachira	13-14	V	Do
		148	Khair	13-14	V	Do
		149	Pachira	15-16	V	Do
		150	Pachira	13-14	V	Do
		151	Mahuva	18-19	V	Do
		152	Pachira	20-21	IV	Do
		153	Pachira	10-11	III A	Do
		154	Pachira	50-51	II B	Do
		155	Amla	20-21	IV	Do
		156	Amla	23-24	IV	Do
		157	Pachira	33-34	III	Do
		158	Pachira	25-26	IV	Do
		159	Pachira	23-24	IV	Do
		160	Pachira	20-21	IV	Do
		161	Pachira	26-27	IV	Do
		162	Bael	18-19	V	Do
		163	Bael	16-17	V	Do
		164	Bael	20-21	IV	Do
		165	Amaltash	11-12	V	Do
		166	Pachira	13-14	V	Do
		167	Pachira	16-17	V	Do
		168	Pachira	17-18	V	Do
		169	Pachira	16-17	V	Do
		170	Pachira	13-14	V	Do
		171	Bael	23-24	IV	Do
		172	Bael	16-17	V	Do
		173	Bael	21-22	IV	Do
		174	Amaltash	11-12	V	Do
		175	Amaltash	13-14	V	Do
		176	Amaltash	15-16	V	Do
		177	Kanjhal	13-14	V	Do
		178	Kanjhal	16-17	V	Do
		179	Kanjhal	18-19	V	Do
		180	Kanjhal	20-21	IV	Do
		181	Palash	11-12	V	Do
		182	Palash	18-19	V	Do
		183	Palash	13-14	V	Do
		184	Amaltash	16-17	V	Do
		185	Pachira	26-27	IV	Do
		186	Pachira	15-16	V	Do
		187	Pachira	13-14	V	Do
		188	Amla	23-24	IV	Do
		189	Amla	20-21	IV	Do
		190	Khair	10-11	V	Do
		191	Pachira	13-14	V	Do
		192	Pachira	16-17	V	Do
		193	Pachira	18-19	V	Do
		194	Pachira	11-12	V	Do

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Name of Forest	Khasra No.	Sir No	Species	Dbh	Class	Status of Tree
		195	Pechka	13-14	V	Do
		196	Pechka	10-11	V	Do
		197	Pechka	12-13	V	Do
		198	Toul	16-17	V	Do
		199	Toul	18-19	V	Do
		200	Toul	20-21	IV	Do
		201	Pechka	21-22	IV	Do
		202	Pechka	19-19	V	Do
		203	Pechka	13-14	V	Do
		204	Pechka	11-12	V	Do
		205	Anjan	15-16	V	Do
		206	Seesm	10-11	V	Do
		207	Amaltas	13-14	V	Do
		208	Amaltas	10-11	V	Do
		209	Pechka	28-29	IV	Do
		210	Amaltas	30-31	IV	Do
		211	Pechka	10-11	V	Do
		212	Pechka	36-37	III	Do
		213	Pechka	46-47	II A	Do
		214	Pechka	36-38	III	Do
		215	Pechka	33-34	III	Do
		216	Pechka	13-14	V	Do
		217	Pechka	15-16	V	Do
		218	Pechka	13-14	V	Do
		219	Pechka	16-17	V	Do
		220	Seesh	10-11	V	Do
		221	Seesh	11-12	V	Do
		222	Seesh	13-14	V	Do
		223	Pechka	16-17	V	Do
		224	Amaltash	16-17	V	Do
		225	Bheul	16-17	V	Do
		226	Bheul	20-21	IV	Do
		227	Pechka	13-14	V	Do
		228	Pechka	16-17	V	Do
		229	Kumbal	11-12	V	Do
		230	Bheul	13-14	V	Do
		231	Pechka	16-17	V	Do
		232	Pechka	10-11	V	Do
		233	Pechka	11-12	V	Do
		234	Kumbal	16-17	V	Do
		235	Bheul	13-14	V	Do
		236	Bheul	16-17	V	Do
		237	Pechka	15-16	V	Do
		238	Pechka	13-14	V	Do
		239	Seesm	15-16	V	Do
		240	Seesm	12-14	V	Do
		241	Seesm	13-14	V	Do
		242	Beul	18-19	V	Do
		243	Beul	16-17	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		244	Bad	15-16	V	Dry
		245	Bel	13-14	V	Do
		246	Peelkn	23-24	IV	Do
		247	Peelkn	10-11	V	Dr
		248	Biwal	11-12	V	Do
		249	Biwal	10-11	V	Dr
		250	Biwal	10-11	V	Dr
		251	Bad	20-21	IV	Do
		252	Bad	23-24	IV	Do
		253	Bad	28-29	IV	Do
		254	Bad	24-25	IV	Do
		255	Bad	30-31	III	Do
		256	Pakad	11-12	V	Do
		257	Pakad	10-11	V	Do
		258	Pakad	13-14	V	Do
		259	Mainth	10-11	V	Do
		260	Mainth	11-12	V	Do
		261	Peelkn	30-31	III	Do
		262	Peelkn	23-24	IV	Do
		263	Kelon	30-31	III	Do
		264	Biwal	10-11	V	Do
		265	Peelkn	16-17	V	Do
		266	Peelkn	13-14	V	Do
		267	Peelnl	15-16	V	Do
		268	Peelnl	10-11	V	Do
		269	Amaltash	11-12	V	Do
		270	Kaathal	15-16	V	Do
		271	Pilash	16-17	V	Do
		272	Amaltash	20-21	IV	Do
		273	Peelkn	14-15	V	Do
		274	Peelkn	16-17	V	Do
		275	Peelkn	20-21	IV	Do
		276	Peelkn	11-12	V	Do
		277	Peelkn	13-14	V	Do
		278	Kaathal	23-24	IV	Do
		279	Amtas	16-17	V	Do
		280	Amtas	15-16	V	Do
		281	Amtas	16-17	V	Do
		282	Amtas	15-16	V	Do
		283	Amtas	11-12	V	Do
		284	Lasoora	13-14	V	Do
		285	Lasoora	18-19	V	Do
		286	Lasoora	21-22	IV	Do
		287	Bad	23-24	IV	Do
		288	Bad	30-31	IV	Do
		289	Bad	18-19	V	Do
		290	Bad	26-27	IV	Do
		291	Peelkn	20-21	IV	Do
		292	Peelkn	16-17	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		293	Pacifica	17-18	V	Do
		294	Pacifica	13-14	V	Do
		295	Sukian	23-24	IV	Do
		296	Saram	15-16	V	Do
		297	Sonati	16-17	V	Do
		298	Saram	13-14	V	Do
		299	Anoshiali	26-27	IV	Do
		300	Anoshiali	23-24	IV	Do
		301	Pacifica	20-21	IV	Do
		302	Pacifica	21-22	IV	Do
		303	Pacifica	18-19	V	Do
		304	Pacifica	10-11	V	Do
		305	Saram	18-19	V	Do
		306	Saram	22-23	IV	Do
		307	Sajam	23-24	IV	Do
		308	Sonati	33-34	III	Do
		309	Palash	13-14	V	Do
		310	Palash	11-12	V	Do
		311	Palash	10-11	V	Do
		312	Pacifica	15-16	V	Do
		313	Pacifica	13-14	V	Do
		314	Pacifica	40-41	II A	Do
		315	Pacifica	20-21	IV	Do
		316	Pacifica	50-51	II B	Do

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Sl.No	Species		V (cubic ft)	IV (cubic ft)	III (cubic ft)	II (cubic ft)	I (cubic ft)	Ia (cubic ft)	Ib (cubic ft)	Ic (cubic ft)	Id (cubic ft)	Ie (cubic ft)	Total (cubic ft)
1	Anthocephalus	No.	2	1	1								4
		Vol.	1.944	0.720	0.750								3.414
2	Artocarpus	No.	24	37	4	1	1						67
		Vol.	14.820	8.100	7.130	7.150	1.500						38.800
3	Bischofia	No.	11	6									19
		Vol.	7.308	2.250									9.558
4	Dalbergia	No.	12	14	2								28
		Vol.	2.520	3.645	0.720								6.885
5	Ficus	No.		3									3
		Vol.		0.720									0.720
6	Syzygium	No.	10	6									16
		Vol.	1.512	0.960									2.472
7	Terminalia	No.	17	7									24
		Vol.	3.672	1.701									5.373
8	Artocarpus	No.	23										23
		Vol.	2.925										2.925
9	Ficus	No.	5										5
		Vol.	0.720										0.720
10	Terminalia	No.		1									1
		Vol.		0.540									0.540
11	Artocarpus	No.	3										3
		Vol.	0.630										0.630
12	Bischofia	No.	4										4
		Vol.	0.864										0.864
13	Dalbergia	No.	1										1
		Vol.	0.180										0.180
14	Swietenia	No.	2	2	1								15
		Vol.	1.260	0.540	0.720								2.520
15	Ficus	No.			1								1
		Vol.			0.720								0.720
16	Lannea	No.	2	1									3
		Vol.	0.720	0.360									1.080
17	Mimusops	No.	1	1									2
		Vol.	0.630	0.360									0.990
Total		No.	133	93	9	2	2	0	0	0	0	0	241
		Vol.	51.480	19.890	9.110	7.150	1.500	0.000	0.000	0.000	0.000	0.000	87.130 cu.ft
Species			20	17	5	2	2	0	0	0	0	0	
		No.	3	17	10	2	2	0	0	0	0	0	
		Vol.	48	4 species								Logged	
		No.	67	3								10	

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Enumeration list of green standing trees coming in the acquisition of 52MW Sunni Dam HEP in D-186 Khera Forest Tauhan Beat , Tatapani Block ,Pangna forest range of Karsog Forest Division Mandi [H.P] for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-186	343/154/2	1	Amaltas	16-17	V	Green Standing
		2	Pechka	15-16	V	Do
		3	Pechka	10-11	V	Do
		4	Pechka	16-17	V	Do
		5	Pechka	20-21	IV	Do
		6	Pechka	10-11	V	Do
		7	Pechka	11-12	V	Do
		8	Pechka	13-14	V	Do
		9	Pechka	18-19	V	Do
		10	Amaltash	13-14	V	Do
		11	Amaltash	11-12	V	Do
		12	Amaltash	10-11	V	Do
		13	Sisam	24-25	IV	Do
		14	Sisam	21-22	IV	Do
		15	Pechka	17-18	V	Do
		16	Pechka	13-14	V	Do
		17	Pechka	15-16	V	Do
		18	Pechka	21-22	IV	Do
		19	Pechka	10-11	V	Do
		20	Pechka	17-18	V	Do
		21	Dodi	25-26	IV	Do
		22	Dodi	21-22	IV	Do
		23	Kangu	13-14	V	Do
		24	Kangu	11-12	V	Do
		25	Sisam	22-23	IV	Do
		26	Sisam	25-26	IV	Do
		27	Pechka	17-18	V	Do
		28	Pechka	21-22	IV	Do
		29	Pechka	23-24	IV	Do
		30	Pechka	11-12	V	Do
		31	Pechka	10-11	V	Do
		32	Pechka	18-19	V	Do
		33	Amaltash	15-16	V	Do
		34	Amaltash	17-18	V	Do
		35	Amaltash	10-11	V	Do
		36	Amaltash	13-14	V	Do
		37	Pechka	11-12	V	Do
		38	Pechka	17-18	V	Do
		39	Pechka	10-11	V	Do
		40	Pechka	18-19	V	Do
		41	Kangu	11-12	V	Do
		42	Kangu	10-11	V	Do
		43	Pechka	21-22	IV	Do
		44	Pechka	18-19	V	Do
		45	Pechka	23-24	IV	Do
		46	Amaltash	11-12	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		47	Amaltash	18-19	V	Do
		48	Amaltash	10-11	V	Do
		49	Amaltash	13-14	V	Do
		50	Bael	30-31	III	Do
		51	Kanju	11-12	V	Do
		52	Pechka	15-16	V	Do
		53	Pechka	17-18	V	Do
		54	Pechka	24-25	IV	Do
		55	Pechka	24-25	IV	Do
		56	Pechka	13-14	V	Do
		57	Pechka	11-12	V	Do
		58	Pechka	10-11	V	Do
		59	Pechka	15-16	V	Do
		60	Pechka	18-19	V	Do
		61	Pechka	20-21	IV	Do

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Enumeration list of green standing trees coming in the acquisition of 50Mw Sawni Dam HEP in D-106 Bhara Tunnel Tolethan Beat , Tarnayani Block Pangna forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khewat No.	Sr No.	Species	Dia	Class	Width of Tree
D-106	128	1	Deodar	33-34	III	Green Standing
		2	Deodar	15-16	V	Do
		3	Deodar	18-19	V	Do
		4	Deodar	31-32	III	Do
		5	Deodar	25-26	IV	Do
		6	Deodar	18-19	V	Do
		7	Deodar	43-44	IIA	Do
		8	Kanyal	16-17	V	Do
		9	Khair	10-11	V	Do
		10	Deodar	13-14	V	Do
		11	Deodar	16-17	V	Do
		12	Deodar	18-19	V	Do
		13	Deodar	11-12	V	Do
		14	Deodar	10-11	V	Do
		15	Deodar	14-15	V	Do
		16	Deodar	16-17	V	Do
		17	Deodar	16-17	V	Do
		18	Anjan	15-16	V	Do
		19	Simal	20-21	IV	Do
		20	Simal	23-24	IV	Do
		21	Simal	26-27	IV	Do
		22	Bewal	13-14	V	Do
		23	Bewal	18-19	V	Do
		24	Bewal	18-19	V	Do
		25	Anjan	13-14	V	Do
		26	Deodar	15-16	V	Do
		27	Deodar	13-14	V	Do
		28	Bael	18-19	V	Do
		29	Bael	16-17	V	Do
		30	Bael	10-11	V	Do
		31	Bael	11-12	V	Do
		32	Bael	15-16	V	Do
		33	Deodar	13-14	V	Do
		34	Kanyal	20-21	IV	Do
		35	Simal	23-24	IV	Do
		36	Simal	21-22	IV	Do
		37	Simal	16-17	V	Do
		38	Simal	13-14	V	Do
		39	Kheir	15-16	V	Do
		40	Anjan	16-17	V	Do
		41	Anjan	16-17	V	Do
		42	Deodar	15-16	V	Do
		43	Deodar	10-11	V	Do
		44	Deodar	10-11	V	Do
		45	Deodar	10-11	V	Do
		46	Deodar	13-14	V	Do
		47	Sohan	17-18	V	Do
		48	Simal	18-19	V	Do
		49	Simal	20-21	IV	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		48	Pechha	13-14	V	Do
		51	Anthar	99-100	III	Do
		52	Anthar	99-100	III	Do
		53	Pechha	20-21	IV	Do
		54	Kikar	19-20	V	Do
		55	Kikar	15-16	V	Do
		56	Pechha	20-21	IV	Do
		57	Bil	16-17	V	Do
		58	Bil	16-17	V	Do
		59	Pyhla	45-46	IIA	Do
		60	Pechla	46-47	IIA	Do
		61	Kiar	13-14	V	Do
		62	Pechla	26-27	IV	Do
		63	Pechla	28-29	IV	Do
		64	Bil	15-16	V	Do
		65	Bil	16-17	V	Do
		66	Kiar	16-17	V	Do
		67	Pechla	70-71	III	Do
		68	Bil	23-24	IV	Do
		69	Pechla	50-51	IIB	Do
		70	Pechla	31-32	III	Do
		71	Jaal	26-27	IV	Do
		72	Jaal	28-29	IV	Do
		73	Jaal	25-26	IV	Do
		74	Pechla	50-51	IIB	Do
		75	Jaal	33-34	III	Do
		76	Jaal	33-34	III	Do
		77	Kanker	26-27	IV	Do
		78	Kanker	15-16	V	Do
		79	Semal	20-21	IV	Do
		80	Semal	30-31	IV	Do
		81	Kanker	30-31	IV	Do
		82	Pechla	23-24	IV	Do
		83	Kikar	21-22	IV	Do
		84	Kikar	20-21	IV	Do
		85	Pechla	18-19	V	Do
		86	Pechla	23-24	IV	Do
		87	Pechla	21-22	IV	Do
		88	Kanker	15-16	V	Do
		89	Semal	14-15	V	Do
		90	Shesham	21-22	IV	Do
		91	Semal	15-16	V	Do
		92	Semal	14-15	V	Do
		93	Kanker	16-17	V	Do
		94	Amaltash	18-19	V	Do
		95	Amaltash	20-21	IV	Do
		96	Amaltash	20-21	IV	Do
		97	Pechla	20-21	IV	Do
		98	Pechla	21-22	IV	Do
		99	Pechla	23-24	IV	Do
		100	Pechla	11-12	V	Do

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321

Sr. No.	Species		Class										
			I (>75 cm dbh)	II (>45-60 cm dbh)	III (>30-45 cm dbh)	IV (>15-30 cm dbh)	V (>7.5-15 cm dbh)	VI (>5-7.5 cm dbh)	VII (>3-5 cm dbh)	VIII (>1-3 cm dbh)	IX (>0.5-1 cm dbh)	X (<0.5 cm dbh)	Total (>0.5 cm dbh)
1	Kadam	Nos.	0	1	3								04
		Vol.	0.000	0.534	2.081								2.615
2	Shisham	Nos.	17	19									37
		Vol.	0.000	2.618									6.618
3	Jamun	Nos.	1										1
		Vol.	0.000										0.139
4	Arjun	Nos.	2	1	1								4
		Vol.	0.000	0.507	0.842								1.349
5	Neem	Nos.	2	4									6
		Vol.	0.000	2.545									3.080
6	Amaltas	Nos.	3	4									7
		Vol.	0.000	2.345									3.080
7	Kachnar	Nos.	3										3
		Vol.	0.000										3.029
8	Sahtoot	Nos.	3	3	1			1					8
		Vol.	0.000	0.781	0.224			1.223					2.868
9	Dhak	Nos.	4										4
		Vol.	0.000										0.918
10	Poplar	Nos.	2	1									3
		Vol.	0.000	0.521									1.364
11	Eucalyptus	Nos.	2	1									3
		Vol.	0.000	0.269									0.683
12	Toona	Nos.	1	1									2
		Vol.	0.000	0.000									0.500
13	Papaya	Nos.		1									1
		Vol.		0.000									0.000
14	Fig	Nos.	1										1
		Vol.	0.000										0.000
Total		Nos.	40	35	4	8	1	1	0	0	0	0	089
		Vol.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	21.000 m³
Remarks		Nos.											
Marking		Nos.	Numbered	Painted	Numbered	Numbered	Numbered					Painted	
			40	35	4	08	01					00	

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D-106 Bhora forest reserve beat , Jahapara block ,rangna forest range of sarag forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khewra No.	Sr No	Species	Dia	Class	Status of Tree
D-106	295	1	Pantka	13-14	V	Green Standing
		2	Pachka	15-16	V	Do
		3	Pachka	13-14	V	Do
		4	Pachka	11-12	V	Do
		5	Sisham	13-14	V	Do
		6	Sisham	13-14	V	Do
		7	Pachka	11-12	V	Do
		8	Pachka	13-14	V	Do
		9	Pachka	10-11	V	Do
		10	Pachka	16-17	V	Do
		32	Kakar	18-19	V	Do
		33	Kanju	20-21	IV	Do
		34	Kanju	16-17	V	Do
		35	Pachka	35-36	III	Do
		36	Pachka	10-11	V	Do
		37	Pachka	14-15	V	Do
		37	Kanju	16-17	V	Do
		38	Pachka	15-16	V	Do
		39	Pachka	16-17	V	Do
		20	Pachka	14-15	V	Do
		21	Palash	13-14	V	Do
		22	Pachka	15-16	V	Do
		23	Bail	66-67	IA	Do
		24	Bail	33-34	III	Do
		25	Bail	50-51	IIB	Do
		26	Bail	33-34	IV	Do
		27	Bail	26-27	IV	Do
		28	Bail	33-34	III	Do
		29	Bail	31-32	III	Do
		30	Bail	26-27	IV	Do
		31	Bail	18-19	V	Do
		52	Palash	30-31	IV	Do
		53	Pachka	21-22	IV	Do
		54	Pachka	15-16	V	Do
		55	Pachka	16-17	V	Do
		56	Pachka	15-16	V	Do
		57	Pachka	18-19	V	Do
		58	Sisham	13-14	V	Do
		59	Amaltash	35-36	III	Do
		60	Amaltash	32-33	III	Do
		61	Amaltash	15-16	V	Do
		62	Kanchal	11-12	V	Do
		63	Kanchal	15-16	V	Do
		64	Pachka	18-19	V	Do
		65	Kanchal	10-11	V	Do
		66	Pachka	20-21	IV	Do
		67	Pachka	10-11	V	Do
		68	Pachka	13-14	V	Do
		69	Pachka	13-14	V	Do

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50	Pathak	15-16	V	Do
51	Pipal	15-16	V	Do
52	Kanthal	16-17	V	Do
53	Pathka	11-12	V	Do
54	Pathka	10-11	V	Do
55	Pathka	15-16	V	Do
56	Pathka	16-17	V	Do
57	Kanthal	13-14	V	Do
58	Kanthal	16-17	V	Do
59	Pathka	13-14	V	Do
60	Pathka	10-11	V	Do
61	Pathka	10-11	V	Do
62	Jhikga	16-17	V	Do
63	Kanthal	10-11	V	Do
64	Kanthal	13-14	V	Do
65	Kanthal	15-16	V	Do
66	Kanthal	16-17	V	Do
67	Kanthal	28-31	IV	Do
68	Pathka	23-29	IV	Do
69	Kanthal	16-17	V	Do
70	Kanthal	15-16	V	Do
71	Kanthal	25-26	IV	Do
72	Pathka	32-34	III	Do
73	Pathka	16-17	V	Do
74	Dhinja	20-21	IV	Do
75	Kanthal	13-14	V	Do
76	Kanthal	16-17	V	Do
77	Dhinja	20-21	IV	Do
78	Dhinja	23-24	IV	Do
79	Anathanth	26-27	IV	Do
80	Pathka	16-17	V	Do
81	Kakar	23-24	IV	Do
82	Kakar	18-19	V	Do
83	Kakar	19-20	V	Do
84	Pathka	16-17	V	Do
85	Pathka	13-14	V	Do
86	Kakar	13-14	V	Do
87	Pathka	19-20	V	Do
88	Kalvi	21-22	IV	Do
89	Mahindh	28-29	IV	Do
90	Kalvi	21-22	IV	Do
91	Kakar	20-21	IV	Do
92	Pathka	15-16	V	Do
93	Pathka	16-17	V	Do
94	Pathka	18-19	V	Do
95	Pathka	35-36	II	Do
96	Pathka	32-33	III	Do
97	Pathka	18-19	V	Do
98	Pathka	31-32	IV	Do
99	Kakar	28-29	IV	Do
100	Kanga	11-12	V	Do
101	Kanga	21-22	IV	Do
102	Pathka	60-61	IA	Do

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Sr. No.	Species		Trees										Total
			V (Unit)	IV (Unit)	III (Unit)	II (Unit)	I (Unit)	VI (Unit)	VII (Unit)	VIII (Unit)	IX (Unit)	X (Unit)	(Unit)
1	Pinus	No.	19	8	4			1					32
		Vol.	2.401	1.043	2.124			2.158					8.726
2	Quercus	No.	3										3
		Vol.	0.421										0.421
3	Salix	No.	4	3									7
		Vol.	0.932	0.801									1.733
4	Populus	No.	2	1									3
		Vol.	0.631	0.331									0.962
5	Prunus	No.	1	1									2
		Vol.	0.141	0.169									0.310
6	Ficus	No.	3	2	2		1	1					9
		Vol.	0.841	0.598	1.014		0.526	2.141					5.120
7	Azadirachta	No.	1	1	2								4
		Vol.	0.421	0.298	0.612								1.331
8	Acacia	No.	15	7									22
		Vol.	2.13	0.71									2.840
9	Mangifera	No.	1										1
		Vol.	0.198										0.198
10	Psidium	No.	2	1									3
		Vol.	0.198	0.101									0.299
11	Ficus	No.	1										1
		Vol.	0.231										0.231
12	Morus	No.	2										2
		Vol.	0.181										0.181
Total		No.	77	35	8	1	1	2	0	0	0	0	124
		Vol.	7.941	4.166	4.070	0.068	0.526	4.299	0.000	0.000	0.000	0.000	21.101
Poplling		Sp.	Mod	Populus	Acacia	Salix	Ficus	Psidium	Quercus			Prunus	
		No.	3	10	6	1	1	1	1			1	

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Enumeration list of green standing trees coming in the acquisition of NWB Sainj Basin HEP in D-186 Bhera Forest Tehsil Best , Tattapani Block ,Pangna forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-186	330/2	1	Kalar	25-26	IV	Green Standing
		2	Kanthal	16-17	V	Do
		3	Kanthal	16-17	V	Do
		4	Kanthal	20-21	IV	Do
		5	Partika	33-34	III	Do
		6	Partika	30-31	III	Do
		7	Partika	26-27	IV	Do
		8	Kanthal	13-14	V	Do
		9	Kanthal	13-14	V	Do
		10	Kanthal	13-14	V	Do
		11	Kanthal	13-14	V	Do
		12	Kanthal	13-14	V	Do
		13	Kanthal	13-14	V	Do
		14	Kaim	60-61	IA	Do
		15	Kaim	20-21	IV	Do
		16	Kaim	16-17	V	Do
		17	Partika	26-27	IV	Do
		18	Partika	28-29	IV	Do
		19	Partika	31-32	III	Do
		20	Sanan	15-16	V	Do
		21	Partika	25-26	IV	Do
		22	Partika	26-27	IV	Do
		23	Partika	27-28	IV	Do
		24	Anardana	16-17	V	Do
		25	Anardana	20-21	IV	Do
		26	Amlee	16-17	V	Do
		27	Amlee	15-16	V	Do
		28	Amlee	11-12	V	Do
		29	Partika	13-14	V	Do
		30	Partika	16-17	V	Do
		31	Partika	15-16	V	Do
		32	Partika	13-14	V	Do
		33	Partika	11-12	V	Do
		34	Partika	10-11	V	Do
		35	Partika	18-19	V	Do
		36	Bel	11-12	V	Do
		37	Kiaur	16-17	V	Do
		38	Kiaur	15-16	V	Do
		39	Kiaur	10-11	V	Do
		40	Kiaur	10-11	V	Do
		41	Kiaur	13-14	V	Do
		42	Kiaur	13-14	V	Do
		43	Dhaiyan	18-19	V	Do
		44	Kanthal	10-11	V	Do
		45	Kanthal	16-17	V	Do
		46	Kanthal	13-14	V	Do

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Checked by the Range Officer

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47	Kanchal	11-12	V	Do
48	Kanchal	13-14	V	Do
49	Kanchal	13-14	V	Do
50	Kanchal	13-14	V	Do
51	Kanchal	15-16	V	Do
52	Kanchal	10-11	V	Do
53	Kanchal	11-12	V	Do
54	Kanchal	13-14	V	Do
55	Do	13-14	V	Do

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ANNEXURE I

Sl. No.	Species		Class V (>60 M³)	Class IV (40-60 M³)	Class III (20-40 M³)	Class IIA (10-20 M³)	Class IIB (5-10 M³)	Class IA (2.5-5 M³)	Class IB (1.25-2.5 M³)	Class IC (0.63-1.25 M³)	Class ID (0.32-0.63 M³)	Class IE (0.16-0.32 M³)	Total (>0.16 M³)
1	Teak	No's	1	1				1					3
		Vol.	0.680	0.731				0.656					2.067
2	Terminal	No's	8	11									19
		Vol.	1.751	5.21									6.961
3	Dalbergia	No's	2	6	3								11
		Vol.	0.535	1.965	1.055								3.555
4	Terminal	No's	1										1
		Vol.	0.710										0.710
5	Anogeissus	No's	1	1									2
		Vol.	0.595	0.503									1.098
6	Acacia	No's	2										2
		Vol.	0.525										0.525
7	Ficus	No's	2	1									3
		Vol.	0.849	0.539									1.388
8	Miscellaneous	No's	2	4									6
		Vol.	0.580	1.026									1.606
9	Bamboo	No's		1									1
		Vol.		0.240									0.240
Total		No's	18	27	3	0	0	1	0	0	0	0	50
		Vol.	5.515	10.490	2.150	0.000	0.000	0.656	0.000	0.000	0.000	0.000	18.811
Topping		No's		Poor/Mix	Poor/Mix	Poor	None	Excised				Total	
		Vol.		15	8	0	0	0				23	

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Enumeration list of green standing trees coming in the acquisition of SHN Sunni Dam HEP in D-186 Bhora Forest Tehshan Sect , Tattapani Block ,Pangna forest range of Karsog Forest Division Mandi (H.P) for the year 2018-19.

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
D-186	252/291	1	Beinja	13-14	V	Green Standing
		2	Sissham	15-16	V	Do
		3	Kanihal	16-17	V	Do
		4	Anjhar	23-24	IV	Do
		5	Kanihal	20-21	IV	Do
		6	Beinja	16-17	V	Do
		7	Beinja	13-14	V	Do
		8	Tooni	21-22	IV	Do
		9	Beinja	13-14	V	Do
		10	Beinja	23-24	IV	Do
		11	Anjhar	33-34	III	Do
		12	Amaltash	20-21	IV	Do
		13	Tanchal	18-19	V	Do
		14	Tanchal	16-17	V	Do
		15	Tooni	27-28	IV	Do
		16	Tooni	30-31	III	Do
		17	Kanihal	12-13	V	Do
		18	Kanihal	12-13	V	Do
		19	Beinja	12-13	V	Do
		20	Kanihal	11-12	V	Do
		21	Bunhoo	32		Do
		22	Kharsh	12-13	V	Do
		23	Beinja	27-28	IV	Do
		24	Padiya	18-19	V	Do
		25	Pachia	21-22	IV	Do
		26	Pachia	19-20	V	Do
		27	Kanihal	14-15	V	Do
		28	Kanihal	20-21	IV	Do
		29	Kanihal	14-15	V	Do
		30	Kanihal	18-19	V	Do
		31	Kanihal	16-17	V	Do
		32	Kanihal	13-14	V	Do
		33	Kanihal	18-19	V	Do
		34	Anjhar	25-26	IV	Do
		35	Pachia	17-18	V	Do
		36	Beinja	18-19	V	Do
		37	Kachnar	15-16	V	Do
		38	Beinja	32-33	III	Do
		39	Kharsh	12-13	V	Do
		40	Beinja	25-26	IV	Do
		41	Diwal	18-19	V	Do
		42	Diwal	21-22	IV	Do
		43	Sissoo	18-19	V	Do
		44	Diwal	17-18	V	Do
		45	Kharsh	11-12	V	Do
		46	Kharsh	14-15	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		47	Saran	18-19	V	Do
		48	Saran	16-17	V	Do
		49	Kachnar	12-13	V	Do
		50	Bahera	35-36	III	Do
		51	Peelkan	18-19	V	Do
		52	Peelkan	13-14	V	Do
		53	Peelkan	11-12	V	Do
		54	Tendu	14-15	V	Do
		55	Behera	31-32	III	Do
		56	Kanmal	17-18	V	Do
		57	Jamun	28-29	IV	Do
		58	Jamun	32-33	III	Do
		59	Jamun	26-27	IV	Do
		60	Kachnar	16-17	V	Do
		61	Kanmal	28-29	IV	Do
		62	Kanmal	16-17	V	Do
		63	Kanmal	16-17	V	Do
		64	Kanmal	11-12	V	Do
		65	Kanmal	16-17	V	Do
		66	Kanmal	11-12	V	Do
		67	Amlee	11-12	V	Do
		68	Kanmal	16-17	V	Do
		69	Fegra	25-26	IV	Do
		70	Kanmal	11-12	V	Do
		71	Peelkh	19-20	V	Do
		72	Kachnar	14-15	V	Do
		73	Bamboo	47		Do
		74	Bamboo	35		Do
		75	Bamboo	60		Do
		76	Dahoja	18-19	V	Do
		77	Amlee	11-12	V	Do
		78	Kachnar	21-22	IV	Do
		79	Kanmal	14-15	V	Do
		80	Kanmal	27-28	IV	Do
		81	Dahoja	18-19	V	Do
		82	Kanmal	19-20	V	Do
		83	Kanmal	22-23	IV	Do
		84	Kanmal	19-20	V	Do
		85	Aonlakan	11-12	V	Do
		86	Ink	13-14	V	Do
		87	Kanmal	14-15	V	Do
		88	Kanmal	16-17	V	Do
		89	Kanmal	11-12	V	Do
		90	Kanmal	14-15	V	Do
		91	Kanmal	13-14	V	Do
		92	Kanmal	24-25	IV	Do
		93	Amlee	31-32	III	Do
		94	Jamun	16-17	V	Do
		95	Kanmal	28-29	IV	Do

Range Officer Patiala

Range Officer Patiala

Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		96	Pechda	26-25	IV	Do
		97	Kumbal	25-29	IV	Do
		98	Pechda	24-25	IV	Do
		99	Kumbal	28-29	IV	Do
		100	Kumbal	22-23	IV	Do
		101	Kumbal	16-17	V	Do
		102	Kumbal	13-14	V	Do
		103	Kumbal	19-20	V	Do
		104	Kumbal	12-13	V	Do

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Sr. No	Species		Area										
			I (sq.km)	II (sq.km)	III (sq.km)	IV A (sq.km)	IV B (sq.km)	V (sq.km)	VI (sq.km)	VII (sq.km)	VIII (sq.km)	IX (sq.km)	Total (sq.km)
1	Rohtu	No.	4	7	3								14
		Tot.	0.189	0.426	0.266								0.881
2	Kalabans	No.	1	10									11
		Tot.	0.141	0.691									0.832
3	Chilwa	No.	1										1
		Tot.	0.141										0.141
4	Gibbon	No.	1	2	2								5
		Tot.	0.141	0.221	0.418								0.780
5	Mahseer	No.	4	4									8
		Tot.	0.182	0.184									0.366
6	Ambassis	No.	1	3									4
		Tot.	0.141	0.253									0.394
7	Barilius	No.	3										3
		Tot.	0.379										0.379
8	Salmo	No.	1	1	1								3
		Tot.	0.141	0.268	0.141								0.550
9	Khaya	No.	4										4
		Tot.	0.141										0.141
10	Puntius	No.	1	2									3
		Tot.	0.141	0.196									0.337
11	Rasbora	No.	2	2									4
		Tot.	0.141	0.197									0.338
12	Barilius	No.	3	1									4
		Tot.	0.381	0.151									0.532
13	Puntius	No.		3									3
		Tot.		0.330									0.330
14	Silk	No.	2										2
		Tot.	0.332										0.332
Total		No.	28	32	6	0	0	0	0	0	0	0	166
		Tot.	0.920	4.196	0.266	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.400
Evenness													1.17
Sampling		Unit	Cast Net	Hand	Drag	Enclosure	Electric						
		No.	20	8	4	0	0						432

Sd/-
Wildlife Warden
Kangra

Sd/-
DFO
Kangra

Wildlife Officer
Kangra

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GENERAL ABSTRACT (TEHSIL) [illegible]

Sl. No.	Name		Irrig./Barg.	V (Unit)	VI (Unit)	VII (Unit)	VIII (Unit)	IX (Unit)	X (Unit)	XI (Unit)	XII (Unit)	XIII (Unit)	XIV (Unit)	XV (Unit)	Total
1	[illegible]	[illegible]													
2	[illegible]	[illegible]													
3	[illegible]	[illegible]													
4	[illegible]	[illegible]													
5	[illegible]	[illegible]													
6	[illegible]	[illegible]													
7	[illegible]	[illegible]													
8	[illegible]	[illegible]													
9	[illegible]	[illegible]													
10	[illegible]	[illegible]													
11	[illegible]	[illegible]													
12	[illegible]	[illegible]													
13	[illegible]	[illegible]													
14	[illegible]	[illegible]													
15	[illegible]	[illegible]													
16	[illegible]	[illegible]													
17	[illegible]	[illegible]													
18	[illegible]	[illegible]													
19	[illegible]	[illegible]													
20	[illegible]	[illegible]													
21	[illegible]	[illegible]													
22	[illegible]	[illegible]													
23	[illegible]	[illegible]													
24	[illegible]	[illegible]													
25	[illegible]	[illegible]													
26	[illegible]	[illegible]													
27	[illegible]	[illegible]													
28	[illegible]	[illegible]													
29	[illegible]	[illegible]													
30	[illegible]	[illegible]													
31	[illegible]	[illegible]													
32	[illegible]	[illegible]													
33	[illegible]	[illegible]													
34	[illegible]	[illegible]													
Total		[illegible]													

[illegible]

[illegible]

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Patwari Circle Officer
Kanoh Office Pargna

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#33
(A)

General Abstract of Forest D.40A (Tabular Rate)

Enumeration list of green standing trees coming in the sapwidth of 60CM. Girth Date D.40A Bhatra Private land in village Chotilda taal Taluka Dotapad Block Range Pangra Forest Division Kavaj Dist Mandi (HP) for the year 2019-20. DVAlue by Khagina No. 3208/3 of Mukul Bhagwan, Technical Licensee (Bronze Level)

Sr. No.	Species		Sampling	Class V (>60 cm)	Class IV (30-45 cm)	Class III (46-59 cm)	Class II-A (60-81 cm)	Class II-B (82-95 cm)	Class I-A (96-120 cm)	Class I-B (>120 cm)	Total (Vol. M³)
1	Sirsha	Nos.	2	1	4	2					7
		Vol.		0.140	1.560	1.660					3.360
2	Simal	Nos.	1	1	3	2	1	1			8
		Vol.		0.140	1.260	1.400	1.360	1.920			6.280
3	Poplar	Nos.	10+	13	13	23		2			51
		Vol.		4.620	4.200	14.760		3.000			31.570
4	Bhoot	Nos.	6	2							2
		Vol.		0.280							0.280
5.	Phoenix	Nos.	-		1						1
		Vol.			1.260						1.260
6	Shagwan	Nos.	2	1							1
		Vol.		0.180							0.180
7	Bed	Nos.	-			2	2	2		2	10
		Vol.				3.080	4.08	3.84		10.200	18.740
8	Amla	Nos.	3	2							2
		Vol.		0.280							0.280
9	Amaltash	Nos.	1	1							1
		Vol.		0.140							0.140
10	Mausmi	Nos.	-	1							1
		Vol.		0.140							0.140
11	Kokkoo	Nos.	-	3							3
		Vol.		0.420							0.420
12	Ghrita	Nos.	-	3							3
		Vol.		0.420							0.420
13	Kumbal	Nos.	3	3							3
		Vol.		0.420							0.420
14	Bamboo	Nos.	-	304							304
		Vol.		-	-	-	-	-	-	-	-
15	Rohani	Nos.	4	-	-	-	-	-	-	-	-
		Vol.		-	-	-	-	-	-	-	-
16	Khirak	Nos.	13	-	-	-	-	-	-	-	-
		Vol.		-	-	-	-	-	-	-	-
17	Ichair	Nos.	1	-	-	-	-	-	-	-	-
		Vol.		-	-	-	-	-	-	-	-
18	Bair	Nos.	2	-	-	-	-	-	-	-	-
		Vol.		-	-	-	-	-	-	-	-
19	Putaro	Nos.	1	-	-	-		-	-	-	-
		Vol.		-	-	-	-	-	-	-	-
20	Kangu	Nos.	2	-	-	-	-	-	-	-	-
		Vol.		-	-	-	-	-	-	-	-
21	Brusk	Nos.	3	-	-	-	-	-	-	-	-
		Vol.		-	-	-	-	-	-	-	-
G. Total		Nos.	37	51	47	27	4	5	0	2	137
		Vol.		7.840	11.360	18.900	8.440	7.000	0.000	10.200	63.270 M³

Range Forest Officer
Pangra

D.F.O. Rampur

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

ABSTRACT

Sr. No	Species		Class V (Vol/M³)	IV (Vol/M³)	III (Vol/M³)	IIA (Vol/M³)	IIB (Vol/M³)	IA (Vol/M³)	IB (Vol/M³)	Total (Vol/M³)
1	Jarul	Nos.	1	6	2					9
		Vol.	0.140	1.440	1.480					3.160
2	Saj	Nos.	1	3	2	1	1			8
		Vol.	0.140	0.780	1.480	1.360	1.120			4.580
3	Peltha	Nos.	33	33	21		7			94
		Vol.	4.620	8.580	15.540		3.680			16.520
4	Birsal	Nos.	2							2
		Vol.	0.280							0.280
5	Tendu	Nos.		1						1
		Vol.		0.260						0.260
6	Shisham	Nos.	1							1
		Vol.	0.140							0.140
7	Bel	Nos.			2	1	2		3	10
		Vol.			1.460	4.08	3.04		10.2	18.780
8	Arjuna	Nos.	2							2
		Vol.	0.280							0.280
9	Amaltash	Nos.	1							1
		Vol.	0.140							0.140
10	Mahuwa	Nos.	1							1
		Vol.	0.140							0.140
11	Khair	Nos.	3							3
		Vol.	0.420							0.420
12	Chirla	Nos.	3							3
		Vol.	0.420							0.420
13	Kumbi	Nos.	3							3
		Vol.	0.420							0.420
14	Bamboo	Nos.	384							384
		Vol.								
Total		Nos.	91	43	27	1	9	0	3	333
		Vol.	7.140	11.100	19.710	5.440	7.800	0.000	10.200	61.370 M³
Sapling		Sap	Peltha	Jarul	Bahan	Kusum	Arjuna	Shisham	Khair	
		Nos	16	7	4	12	3	13	2	
		Sap	Saj	Amaltash	Bhirsal	Bel	Bel	Palash	Kalija	
		Nos	2	1	2	6	2	1	2	
		Sap	Bhirsal	TOTAL						
		Nos	5	77						

Compartment Holder

B.O. Mhaini

Divisional Forest Officer
Kurkheda Forest Division

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Enumeration list of green standing trees existing in the acquisition of SJVNL Survey Done in D-106 Khasra Private land in village Chirchia, Beer Talehan, Tattapani Block, Range Pangna, Sarai Division Kerang Distt Mandi (HP) for the year 2019-20

Name of Permit	Khasra No.	Sr No	Species	Dia	Class	Status of Trees
D-106	3381	1	Anaar	22/22	IV	Green standing
		2	Jamun	23/26	IV	Do
		3	Jamun	33/34	III	Do
		4	Simal	56/57	II	Do
		5	Pachia	35/36	III	Do
		6	Pachia	27/28	IV	Do
		7	Pachia	28/29	IV	Do
		8	Bawal	15/16	V	Do
		9	Pachia	16/17	V	Do
		10	Pachia	28/29	IV	Do
		11	Pachia	30/31	III	Do
		12	Pachia	29/29	IV	Do
		13	Pachia	29/21	IV	Do
		14	Pachia	28/29	IV	Do
		15	Pachia	30/34	III	Do
		16	Pachia	31/32	III	Do
		17	Pachia	33/34	II	Do
		18	Pachia	27/28	IV	Do
		19	Pachia	36/37	III	Do
		20	Simal	51/52	III	Do
		21	Pachia	30/21	III	Do
		22	Simal	28/21	IV	Do
		23	Pachia	31/32	III	Do
		24	Pachia	32/33	III	Do
		25	Pachia	32/34	III	Do
		26	Pachia	30/31	III	Do
		27	Pachia	33/34	III	Do
		28	Jamun	20/21	IV	Do
		29	Pachia	17/18	V	Do
		30	Pachia	16/17	V	Do
		31	Pachia	15/16	V	Do
		32	Pachia	23/24	IV	Do
		33	Pachia	30/31	III	Do
		34	Pachia	35/36	III	Do
		35	Pachia	31/32	III	Do
		36	Pachia	20/21	IV	Do
		37	Pachia	25/26	III	Do
		38	Pachia	24/25	IV	Do
		39	Pachia	33/34	III	Do
		40	Pachia	25/26	IV	Do
		41	Pachia	16/17	V	Do
		42	Pachia	20/21	IV	Do
		43	Pachia	24/25	IV	Do
		44	Pachia	25/26	IV	Do
		45	Jamun	18/19	V	Do
		46	Pachia	24/25	IV	Do
		47	Bael	32/35	III	Do
		48	Pachia	33/34	III	Do
		49	Pachia	28/21	IV	Do
		50	Pachia	27/28	IV	Do
		51	Pachia	16/22	IV	Do
		52	Pachia	17/18	V	Do

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Name of Forest	Khasra No.	Sr No	Species	Dia	Class	Status of Tree
		108	Kanikar	12*12	V	Dry
		109	Peelkan	37/38	IV	Dry
		110	Peelkan	11*12	V	Dry
		111	Peelkan	5*5	V	Dry
		112	Peelkan	18/19	V	Dry
		113	Peelkan	7/8	V	Dry
		114	Peelkan	7/8	V	Dry
		115	Peelkan	13/14	V	Dry
		116	Peelkan	23/25	IV	Dry
		117	Peelkan	27/28	IV	Dry
		118	Peelkan	18/19	V	Dry
		119	Peelkan	21/23	IV	Dry
		120	Peelkan	26/28	IV	Dry
		121	Peelkan	16*16	V	Dry
		122	Peelkan	31/35	II-B	Dry
		123	Peelkan	19/20	V	Dry
		124	Peelkan	16/17	V	Dry
		125	Bael	Overlapped	-	Dry
		126	Bael	Overlapped	-	Dry
		127	Bael	Overlapped		Dry
		128	Bael	31/37	II-B	Dry
		129	Bael	45/46	II-A	Dry
		130	Bael	41/42	II-A	Dry
		131	Bael	53/61	II-B	Dry
		132	Bael	40/41	II-A	Dry
		133	Bael	36/47	III	Dry

Range Forest Officer Nandurbar

B.D.T.I.Bnr

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CHECK LIST- 16

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

File No :- FP/HP/HYD/63019/2017

SITE INSPECTION REPORT OF DFO KAKSOG

(For the Forest land to be diverted under FCA)

A proposal has been received in this office from Chief General Manager(HOP), SJVN Ltd. Sunni Dam Hydro Electric Project for diversion under FCA-1980 of 209.4349 hac. of forest land in respect of Karang Forest Division for non-forestry purpose. The project envisages the use of forest land for construction of Sunni Dam HEP (382 MW). The site inspection of the land involved in the proposal has been done by me on dated 10.12.2019.

On inspection of the site, it was found that the land required by the user agency is a forest area measuring 209.4349 hac.

The requirement of forest land as proposed by the user agency in Col. 2 of part-I is unavoidable and is barest minimum required for the project.

No any rare/ endangered/ unique species of flora and fauna exist in the area.

No any protected archaeological/ heritage site defence establishment or any other important movement is located in the area.

(a) The user agency has not violated the provisions of Forest (Conservation) Act, 1980.

(b) It has been found that the user agency has violated the provisions of Forest (conservation) Act, 1980, Indian Forest Act, 1927/ any forest act. A detailed report as per para 1.9 of Chapter I, Part C of Hand book of Forest (Conservation) Act, 1980 is attached - No

SPECIFIC RECOMMENDATION FOR ACCEPTANCE OR OTHERWISE OF THE PROPOSAL

Since the land is required form of green energy i.e. Hydel Project, no case is recommended.

Dated - 06/03/2020

Place: Karsog.

(RAJ KUMAR, HPFS)
Divisional Forest Officer
Karsog, Distt. Mandi (H.P.)

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CHECK LIST- 16

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

File No. :- FP/HP/HVD/31015/2017

SITE INSPECTION REPORT OF DFO KARSOG

(For the Forest land to be diverted under FCA)

A proposal has been received in this office from Chief General Manager/HOP, SJVN Ltd. Sunni Dam Hydro Electric Project for diversion under FCA,1980 of 200.4349 hac. of forest land and 0.7171 ha. land of Bani = 201.152 ha. in respect of Karsog Forest Division for non-forestry purpose. The project envisages the use of forest land and Bani land for construction of Sunni Dam HEP (382 MW). The site inspection of the land involved in the proposal has been done by me on dated 10.10.2020.

3. On inspection of the site, it was found that the land required by the user agency is a forest area measuring 200.4349 hac. and Bani land = 0.7171 ha. Total land = 201.152 ha.

4. The requirement of forest land and Bani land as proposed by the user agency in Col. 2 of part-I is unavoidable and is lowest minimum required for the project.

5. Whether any rare/endangered/ unique species of flora and fauna exist in the area : No.

6. Whether any protected archaeological/ heritage site/ defence establishment or any other important movement is located in the area : No.

5(a) The user agency has not violated the provisions of Forest (Conservation) Act, 1980:- (Yes).

(b) It has been found that the user agency has violated the provisions of Forest (conservation) Act, 1980 , Indian Forest Act, 1927/ any forest act. A detailed report as per para 1.9 of Chapter 1, Part C of Hand book of Forest (Conservation) Act, 1980 is attached :- **No.**

SPECIFIC RECOMMENDATION FOR ACCEPTANCE OR OTHERWISE OF THE PROPOSAL

Since the land is required to form a green energy i.e. Hydel Project, no proposal is recommended for approval from competent authority.

Dated: 16/10/2020

Place:- Karsog.

(Divisional Forest Officer)
Karsog Forest Divn. Karsog

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Recommendation Report of DFO

The proposal No. FP/HP/HYD/31019/2017 as received from M/s SJVN Ltd. for diversion of forest land for construction of Sunni Dam Hydro Electric Project was processed by this office and forwarded to CCF Shimla. But as per directions of confirming officer (i.e. CCF Shimla) to include area of BANI (0.7171 ha) of Khasra No. 328/1 (pertaining to private owner but status recorded as BANI in Revenue Records) in check list 07 i.e list of forest land & to exclude the same from check list 08 i.e list of private / Non- Forest land.

Hence, it is recommended to edit the total area of forest land & Non-Forest land is as under:-

i) Total area of Forest land for the project= 397.3863 ha (in place of 397.1692 ha)

ii) Area of Non-Forest /Private Land = 61.4942 ha (in place of 62.1213 ha)

Recommended for correction/ Revision of area please.

Date: 17.10.2020
Place:- Karsog

Divisional Forest Officer,
Karsog Forest Division,HP.

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State Serial No. of the Proposal : -
Full Title of the Project : - Sunni Dam HEP (10.00MW).
File No. : -

Date of Proposal : -

Check List Sr. No.17.

LOCATION MAP

Location map of Non Forest / Degraded Forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of 397-16-92 hectares of forest land for the construction of Sunni Dam HEP on Satluj River

Village: -	**Khadvi, Tipper & Kerana.**
Tehsil: -	**Ani.**
District: -	**Kullu.**
Forest Range: -	**Chowai Forest Range.**
Forest Division: -	**Ani Forest Division at Luhri.**
Block No. / Compartment No. / Survey No. : -	**Toposheet No. H43F7 / UPF Khadvi C-158, UPF Jabn C-125 & 1/31 Jakru.**

Map attached of the area to be taken for Compensatory Afforestation

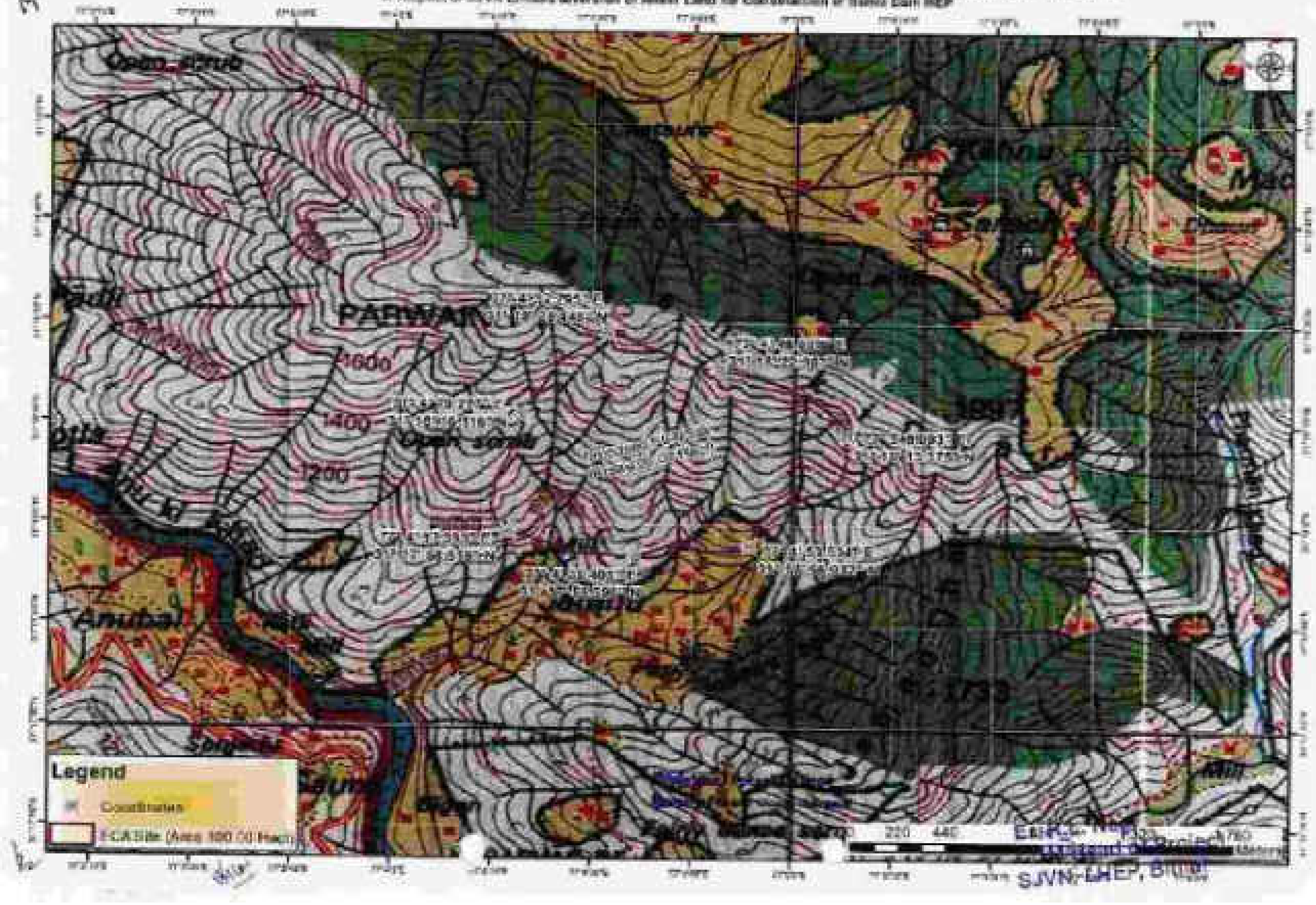
Divisional Forest Officer
Ani Forest Division at Luhri
District Kullu (H.P.).

Er. R. L. Negi
Gr. Head of Project
UHEP, Bithal

385

Digital Toposheet Map of Compensatory Afforestation Site at D-74 Parwain (Area 199.00 Hect) Forest Range Karsog,District Mandi, HP

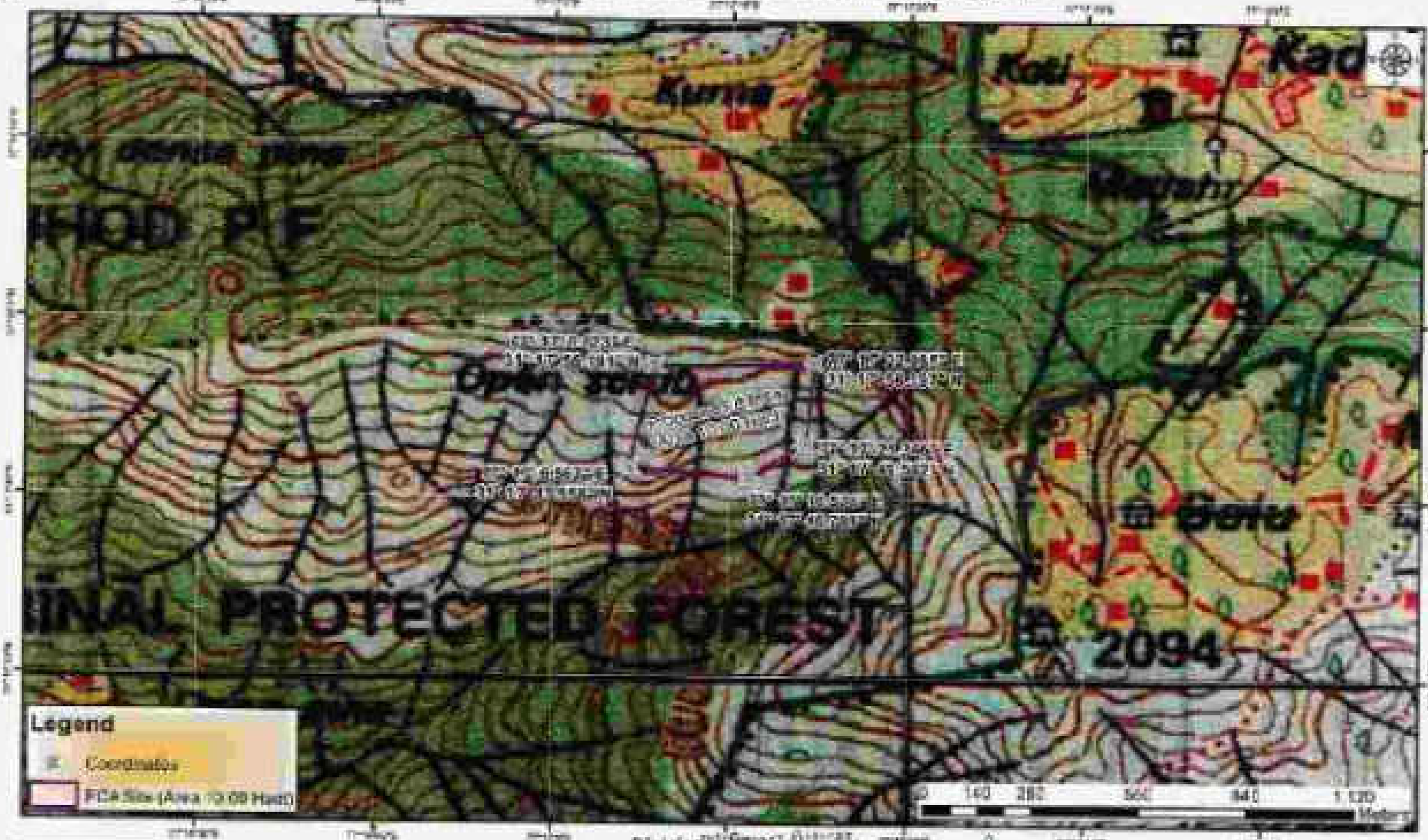
in respect of SJVN Limited diversion of forest Land for Construction of Sainj Dam HEP



PDF Compressor Free Version

Digital Topochest Map of Compensatory Afforestation Site at D-213 Nihartoal C-III (Area 10.00 Hacs) Forest Range Karsog,District Mandi, HP

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



Legend

- Proposed FCA Site (100.00 Hacs)
- Existing Road
- Footpath
- Builtup
- Agricultural Land
- Plantation
- Green Cover
- Nala
- Dry River Bed
- Drainage
- Bridge

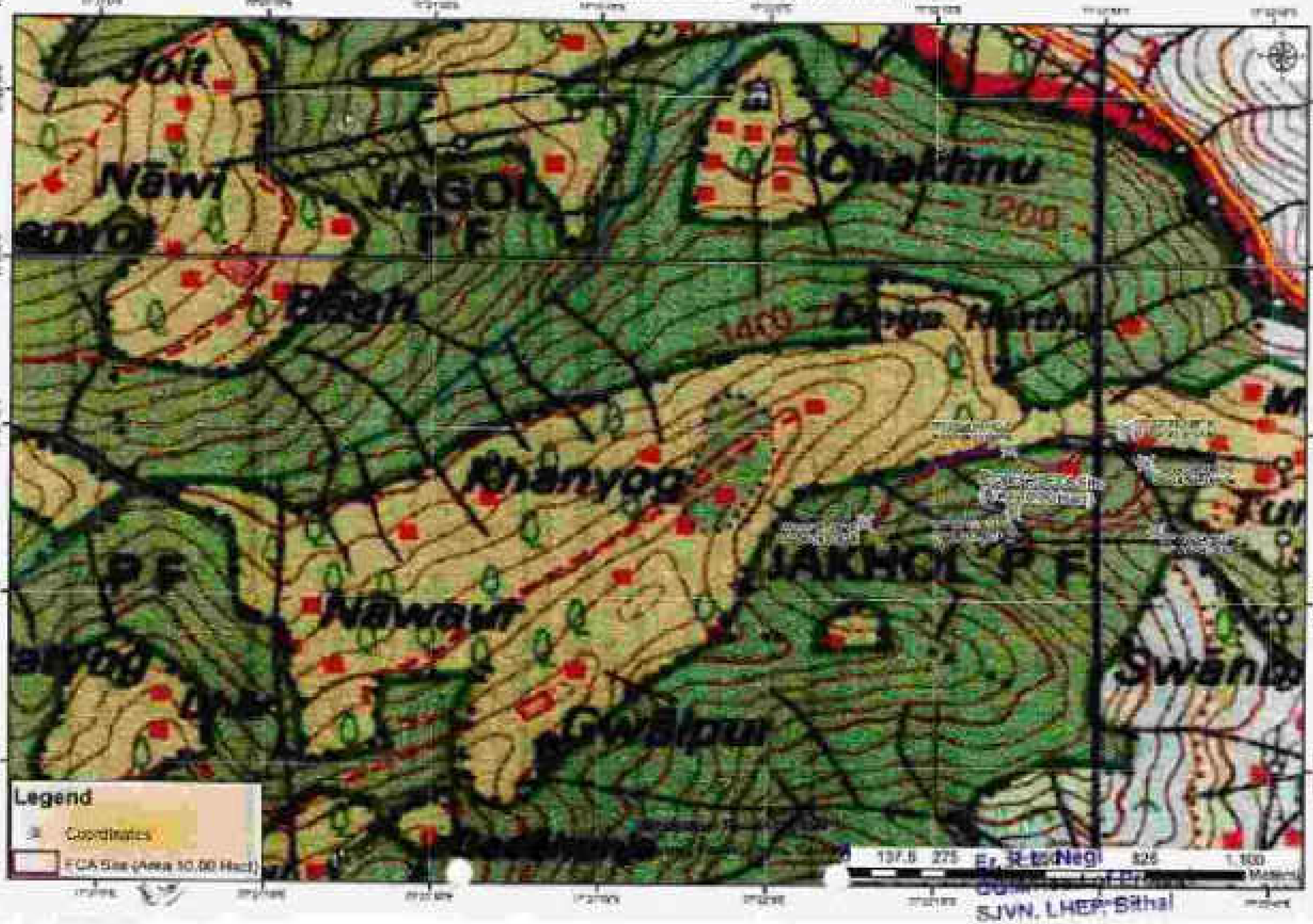
Divisional Forest Officer,

Er. R.L. Negi
Chief Manager (Proj.)

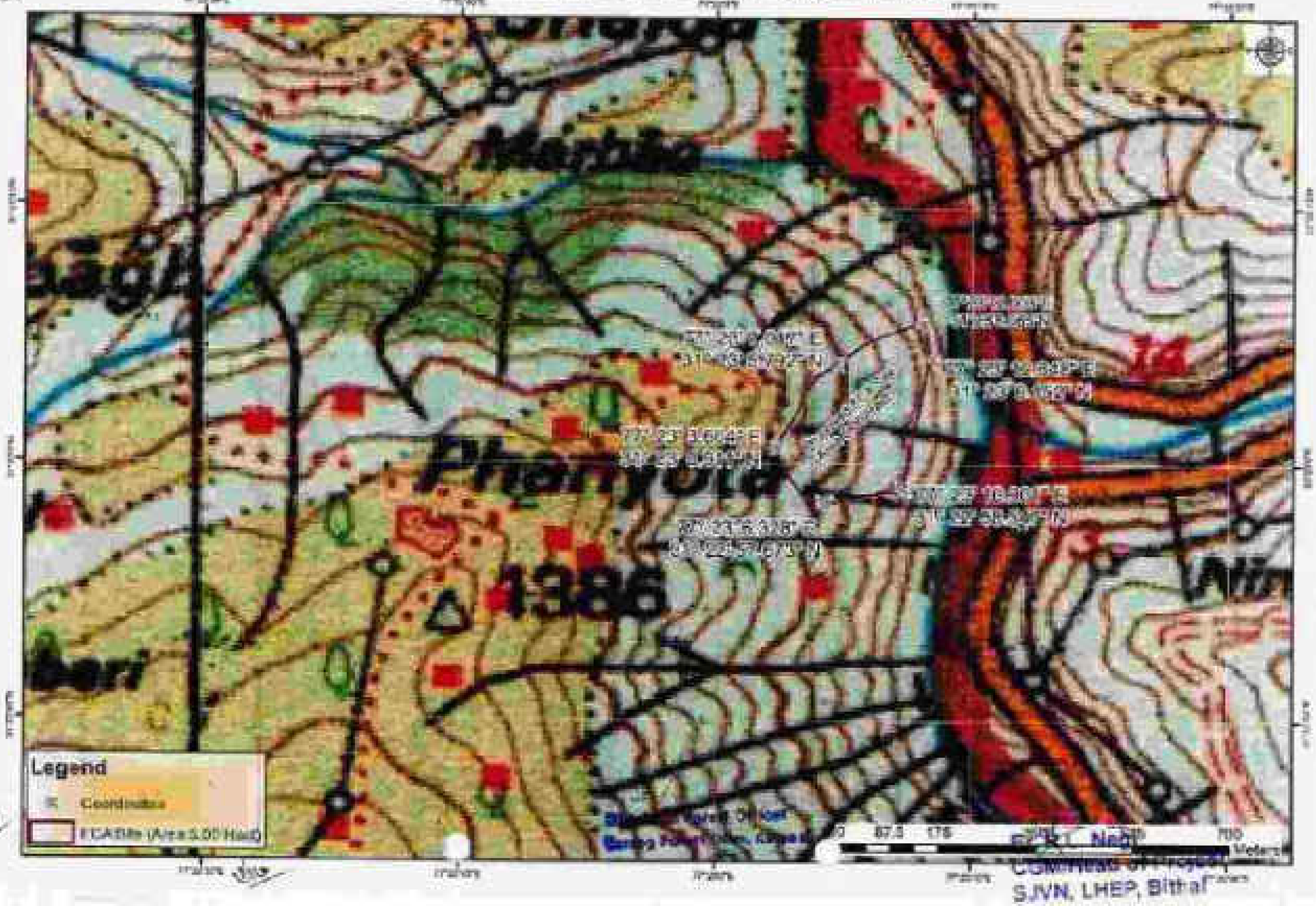
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Digital Topochest Map of Compensatory Afforestation Site at 0-252 Nagarat C-1a (Area 10.00 Hect) Forest Range Karsog,District Mandi, HP

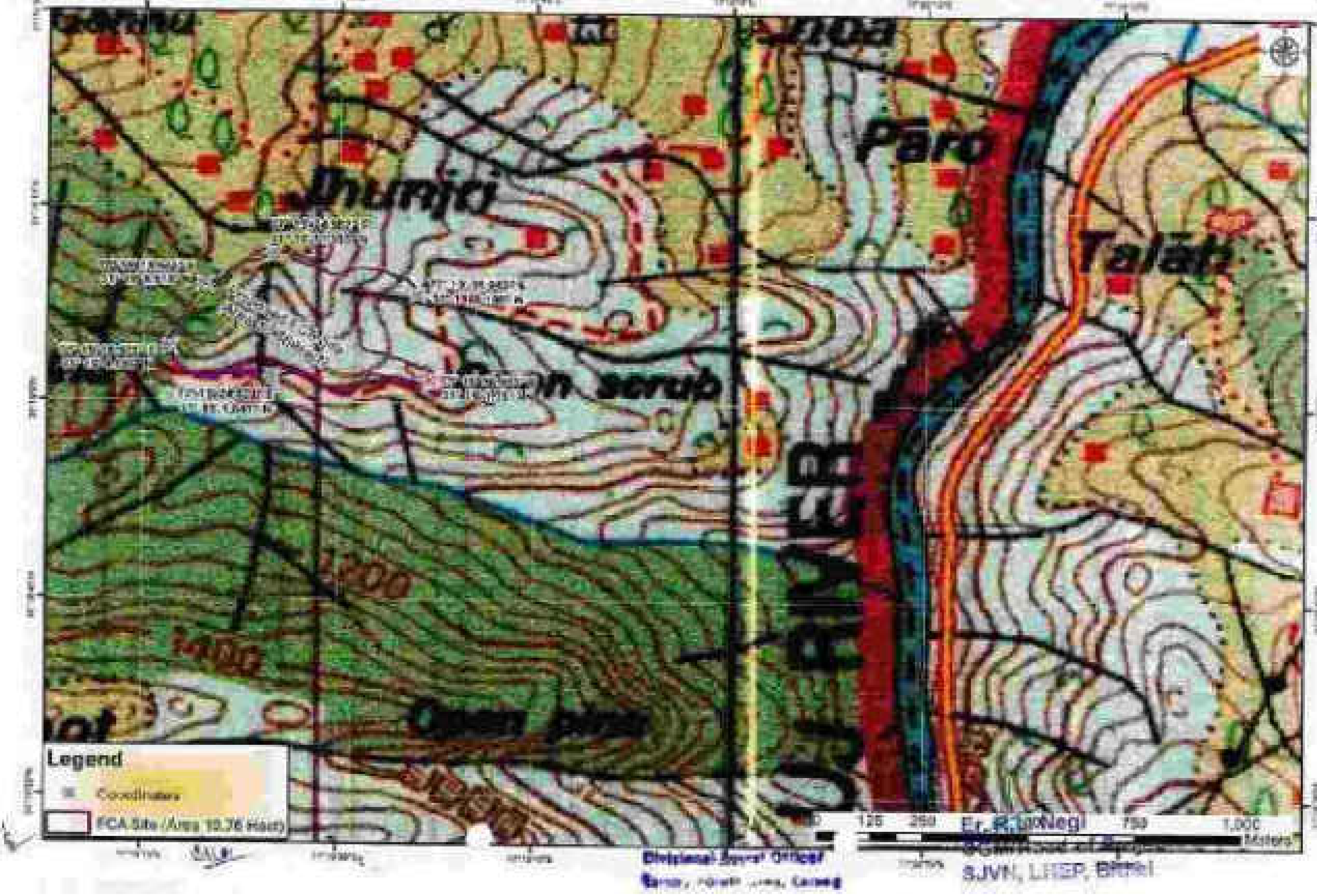
In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



Digital Toposheet Map of Compensatory Afforestation Site at D-248 Phamyola (Area 5.00 Hect) Forest Range Karsog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Sainj Dam HEP



Digital Toposheet Map of Compensatory Afforestation Site at Kehat Khasra No. 526/386 (Area 10.76 Hect) Forest Range Seri,Karsog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Kothel HEP Stage-II

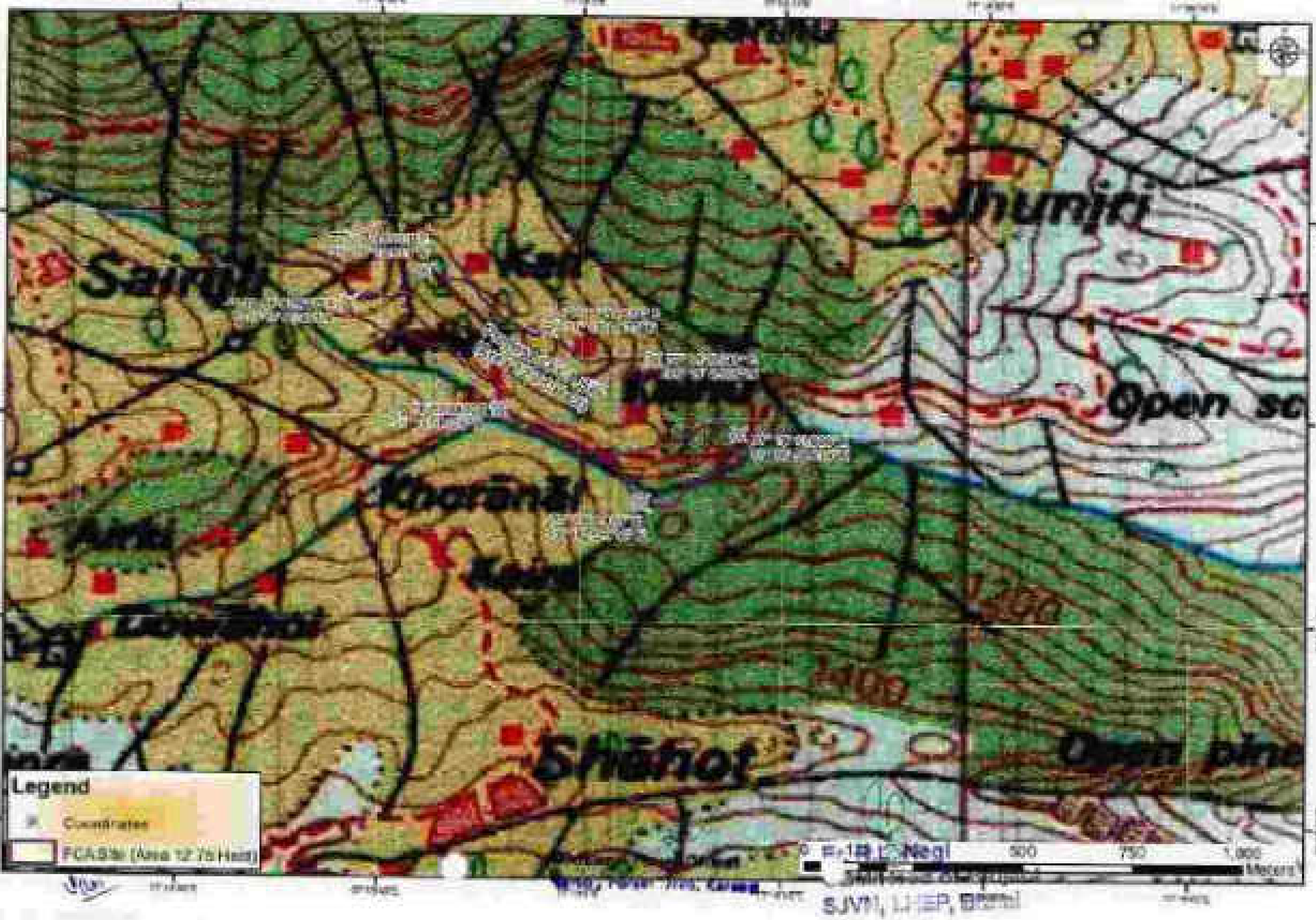


Divisional Forest Officer
Seri, Karsog

Er. Rajnegi
SJVN, LHEP, Bhaba

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Digital Toposheet Map of Compensatory Afforestation Site at Kohat Khasra No. 324/411 (Area 12.75 Hect) Forest Range Seeri Kanag,District Mandi, HP
In respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III Sunni Dam HEP



SJVN, LHEP, Stage-III

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34N

Digital Toposheet Map of Compensatory Afforestation Site at Kehat (Area 10.03 Hact) Forest Range Seeri,Karsog,District Mandi, HP

in respect of SJVN Limited diversion of forest Land for Construction of ~~Luhri HEP Stage-II~~ SUNNI DAM HEP

Jhumiti

Scrub

Paro

Tailati

1400

1200

Legend

Coordinates

FCA Site (Area 10.03 Hects)

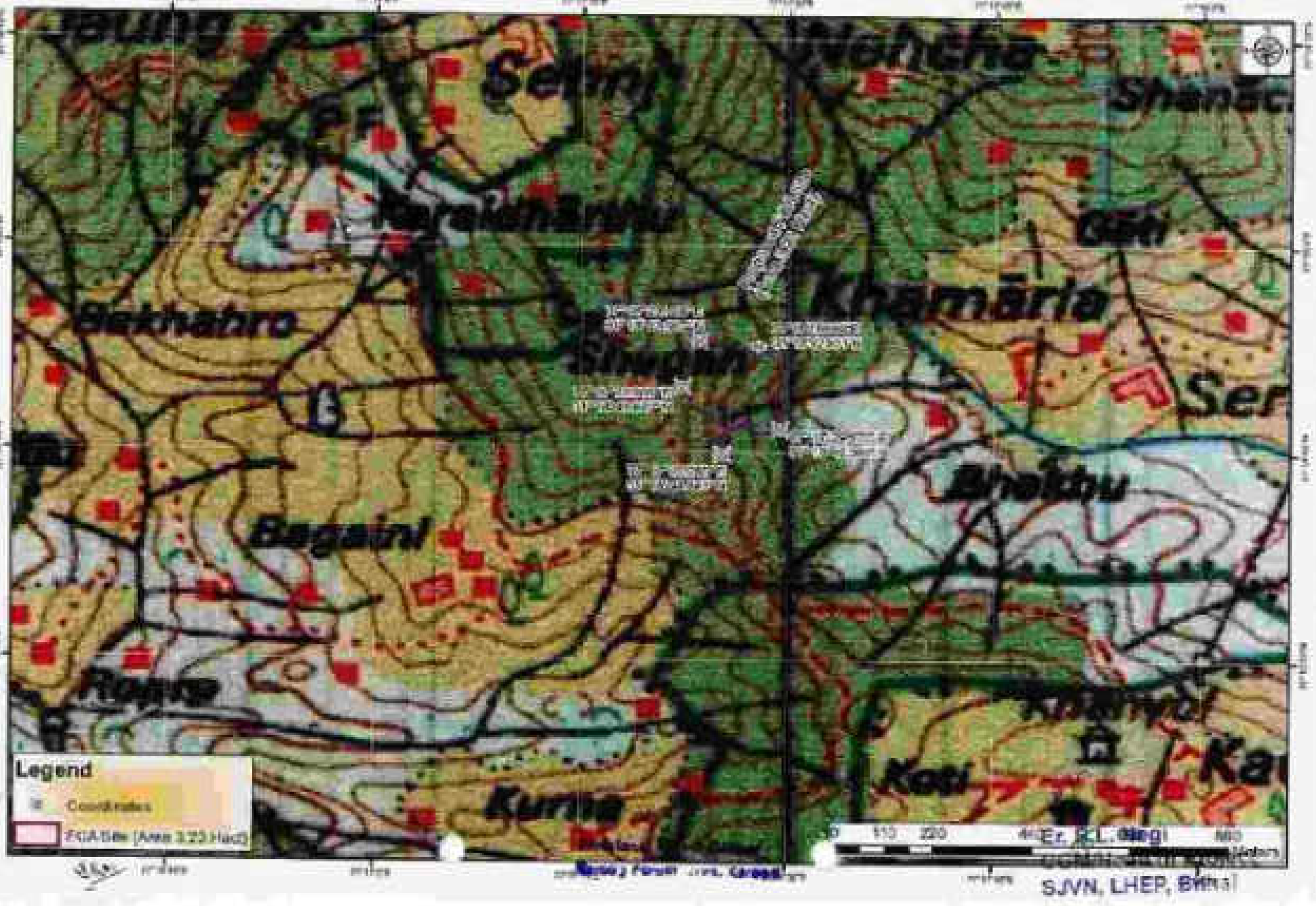
0 125 250 500 750 1,000

Meters

Prepared on Project:

SJVN, LHEP, Bhaba

Digital Topocheet Map of Compensatory Afforestation Site at Khamaria Khasra No. 1434/1 34 (Area 3.23 Hadi) Forest Range Seer,Karsog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Luhri Stage-I (1912 MW) HEP



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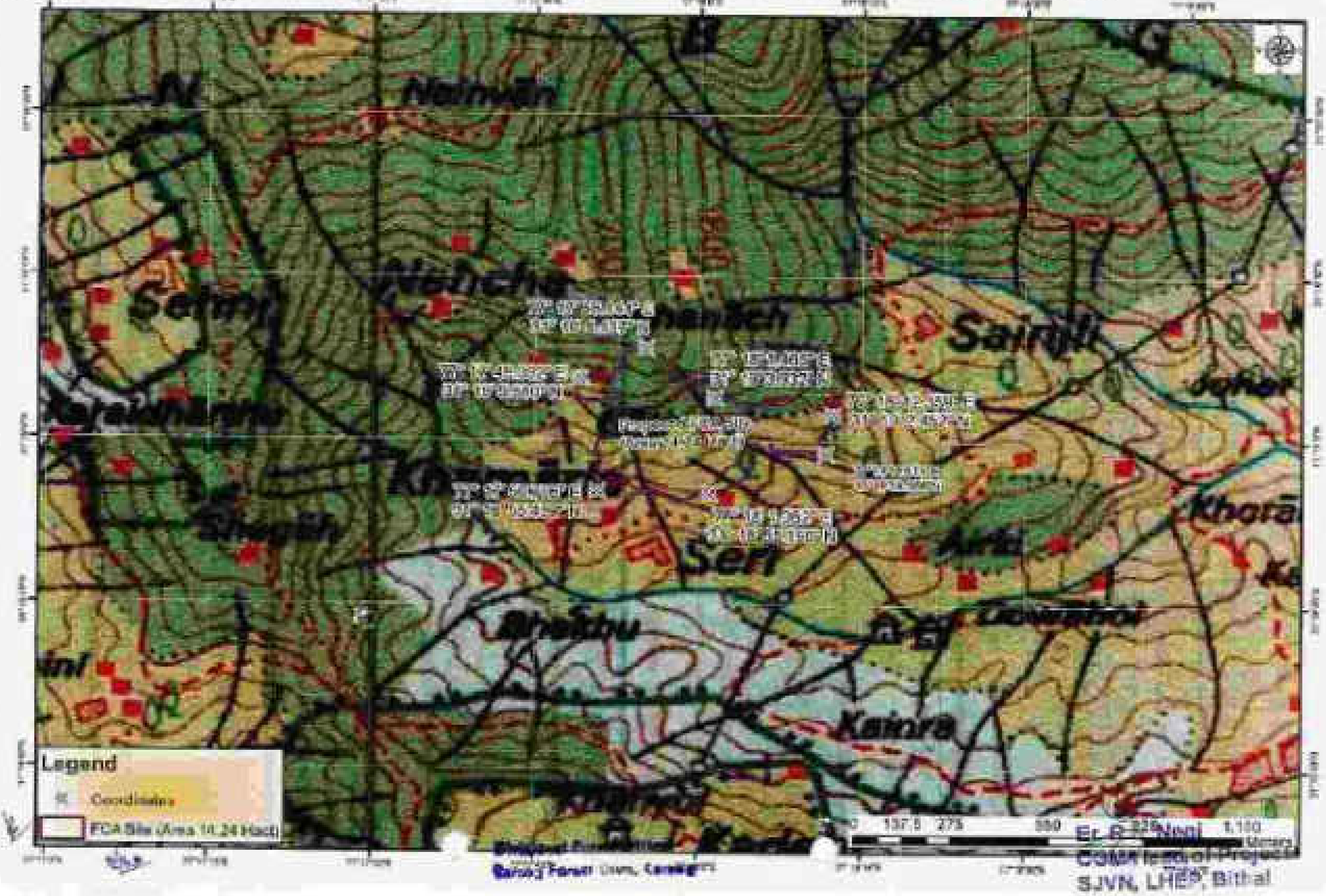
343

Digital Toposheet Map of Compensatory Afforestation Site at Khamarla Khasra No. 1452/1 (Area 15.37 Hect) Forest Range Seori,Kars og,District Mandi, HP
In respect of SJVN Limited diversion of forest Land for Construction of ~~Luhri HEP Stage-II~~ Sawra Kuddu HEP



Digital Toposheet Map of Compensatory Afforestation Site at Khamarla Khasra No. 765 (Area 14.24 Hactj Forest Range Seri,Karsog,District Mandi, HP

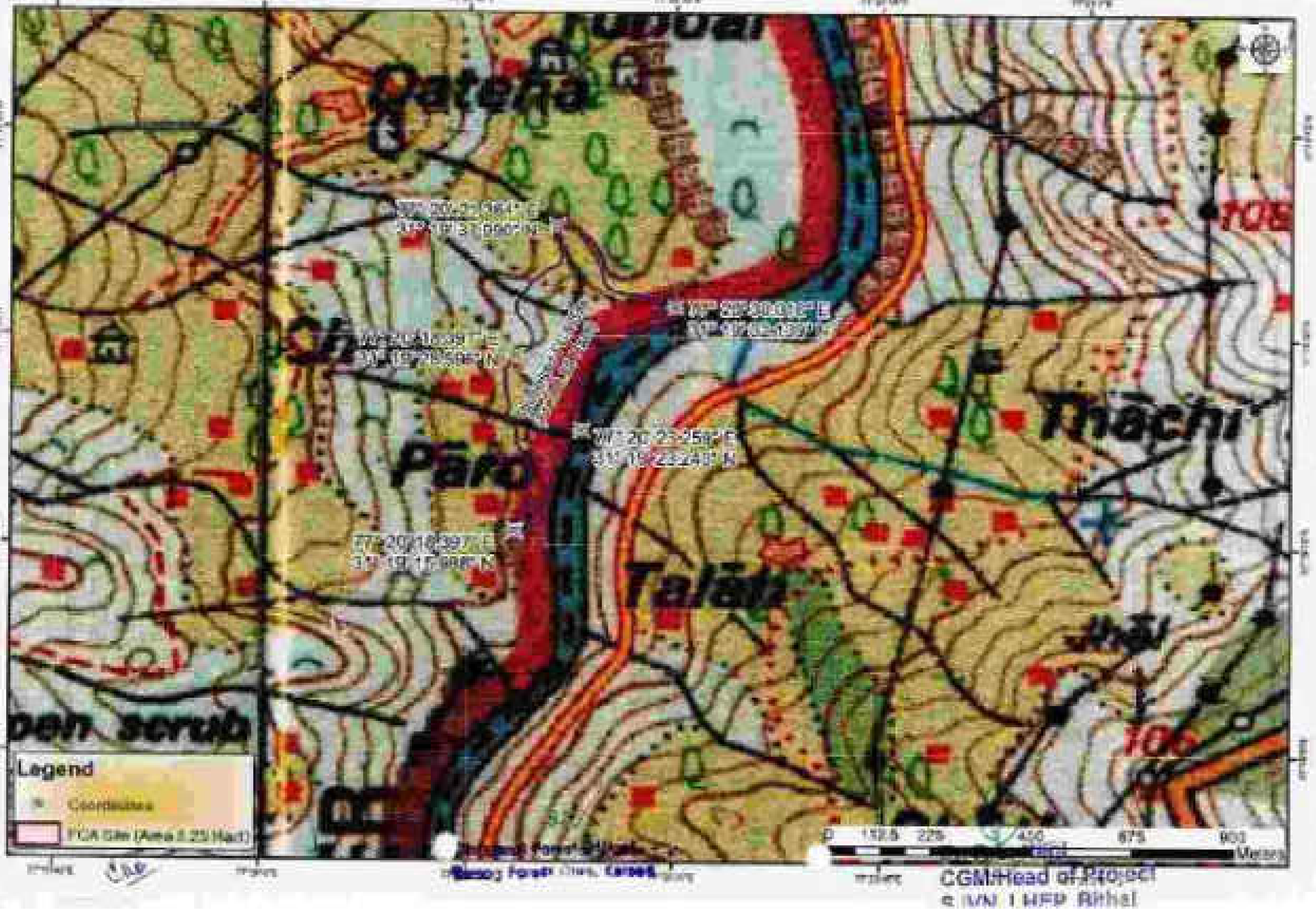
In respect of SJVN Limited diversion of forest Land for Construction of Lalari HEP Stage-II- Scale 1:50



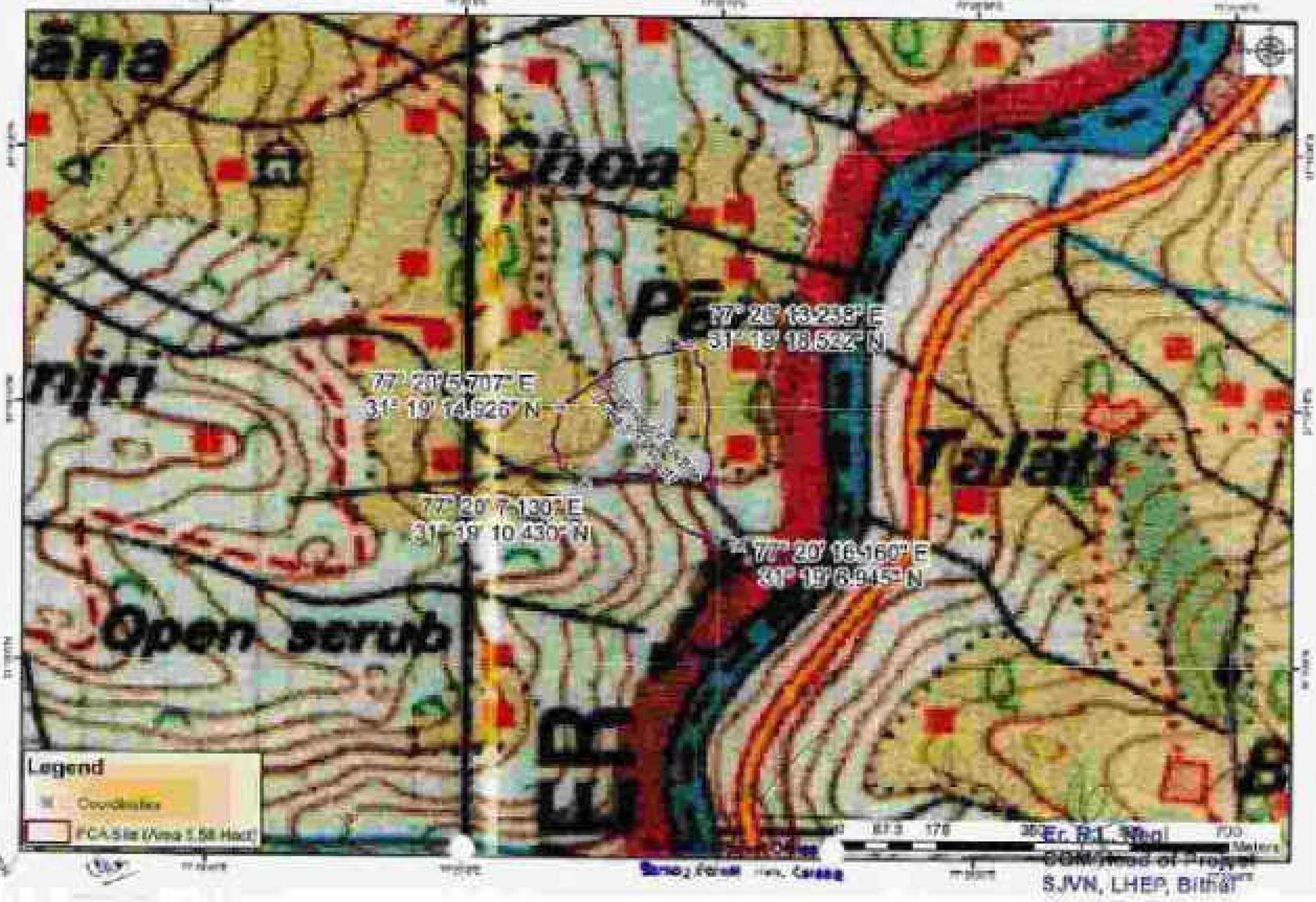
Chief Engineer (Project)
SJVN, LHEP, Bithal

345

Digital Toposheet Map of Compensatory Afforestation Site at Tundal Khasra No. 776/876 (Area 8.25 Hadd) Forest Range Seoli,Karsog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III Sainj Dam HEP

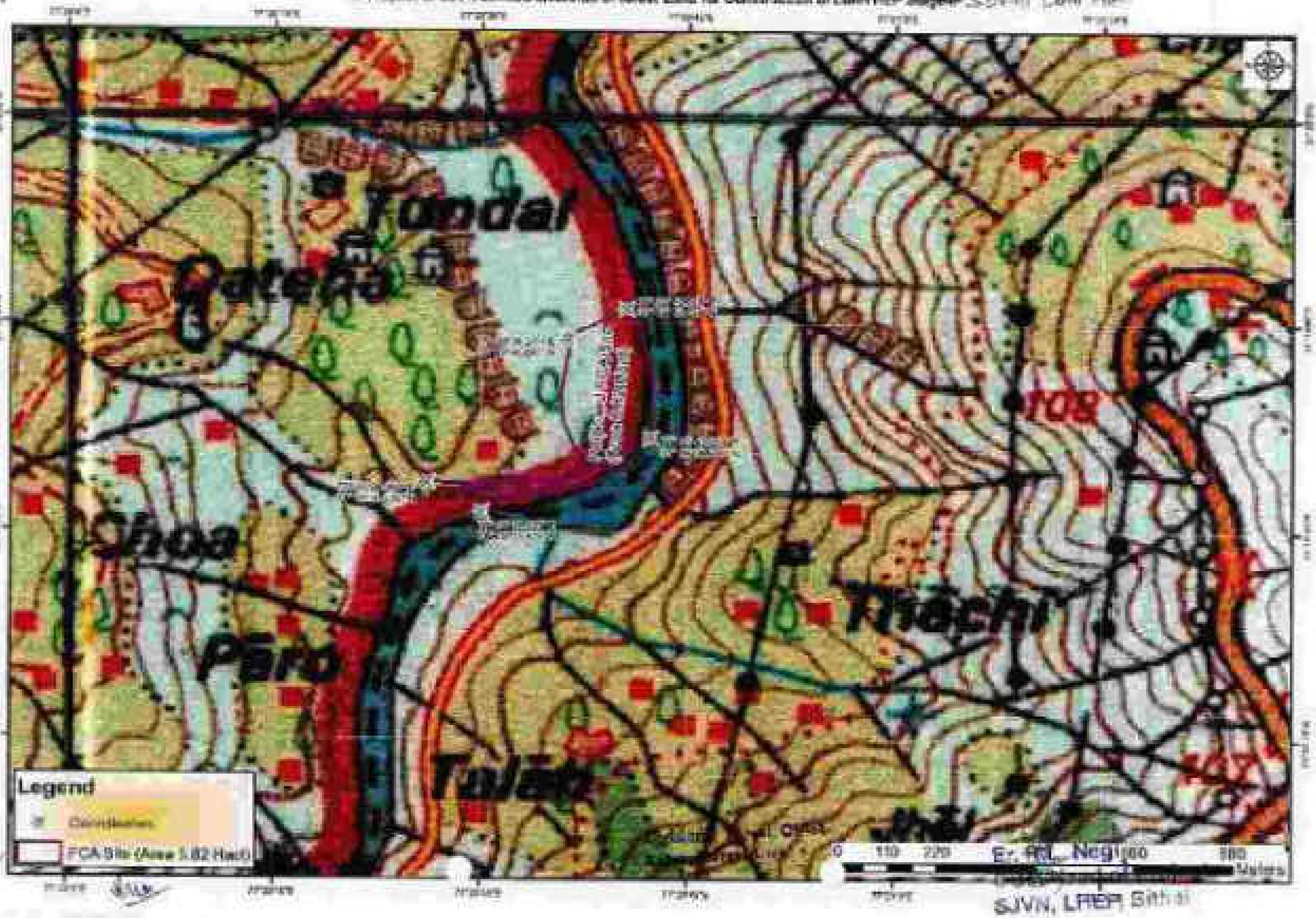


Digital Topo-sheet Map of Compensatory Afforestation Site at Tundai Khwara No. 762 (Area 5.58 Hect) Forest Range Seer, Karsog,District Mandi, HP
In respect of SJVN Limited diversion of forest Land for Construction of ~~Luhri HEP Stage-II~~ Shongtong Karcham HEP



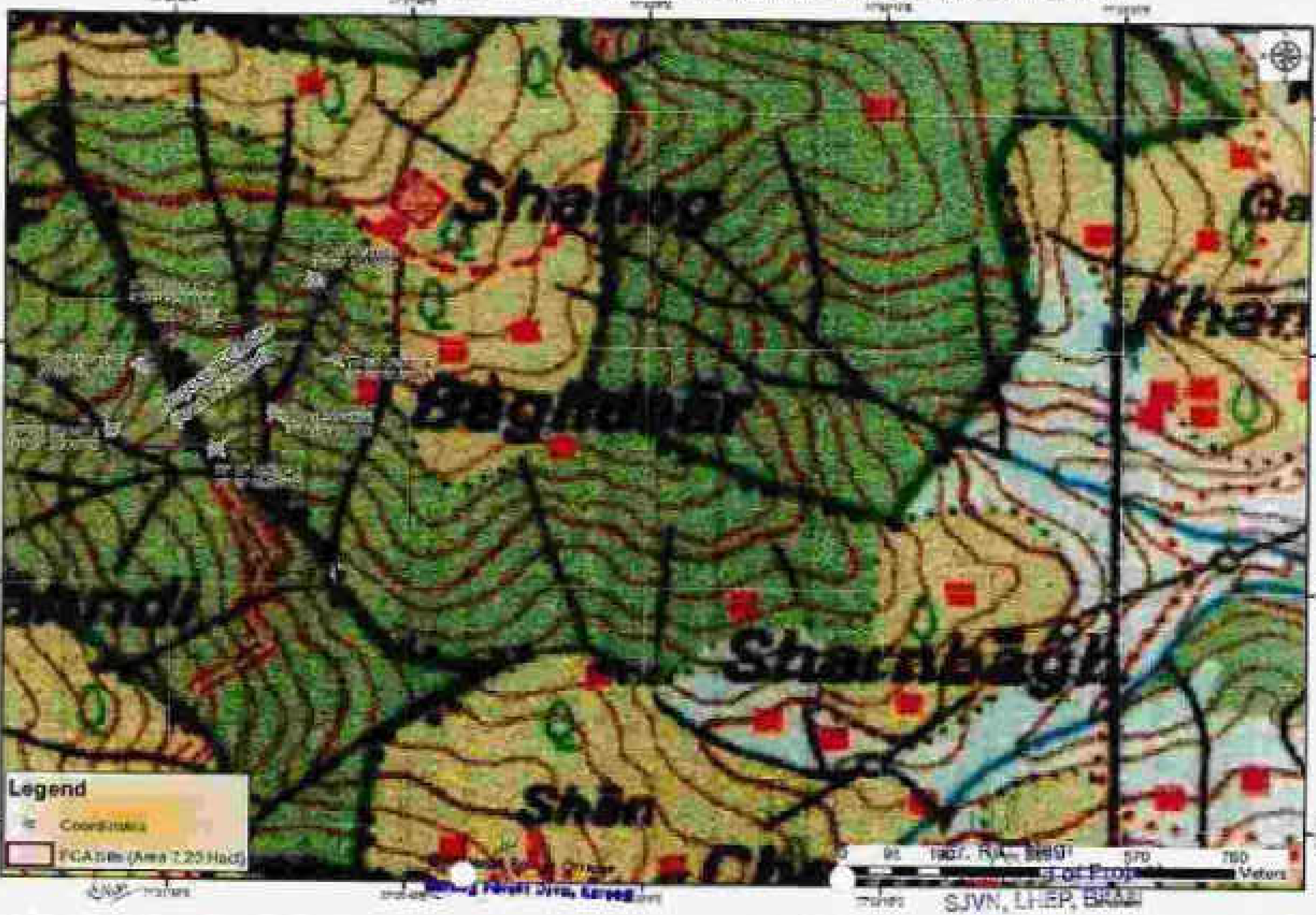
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Digital Toposheet Map of Compensatory Afforestation Site at Tundal Khasra No. 776/33 (Area 5.82 Hect) Forest Range Seer,Karsog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III Shongtong Karcham HEP



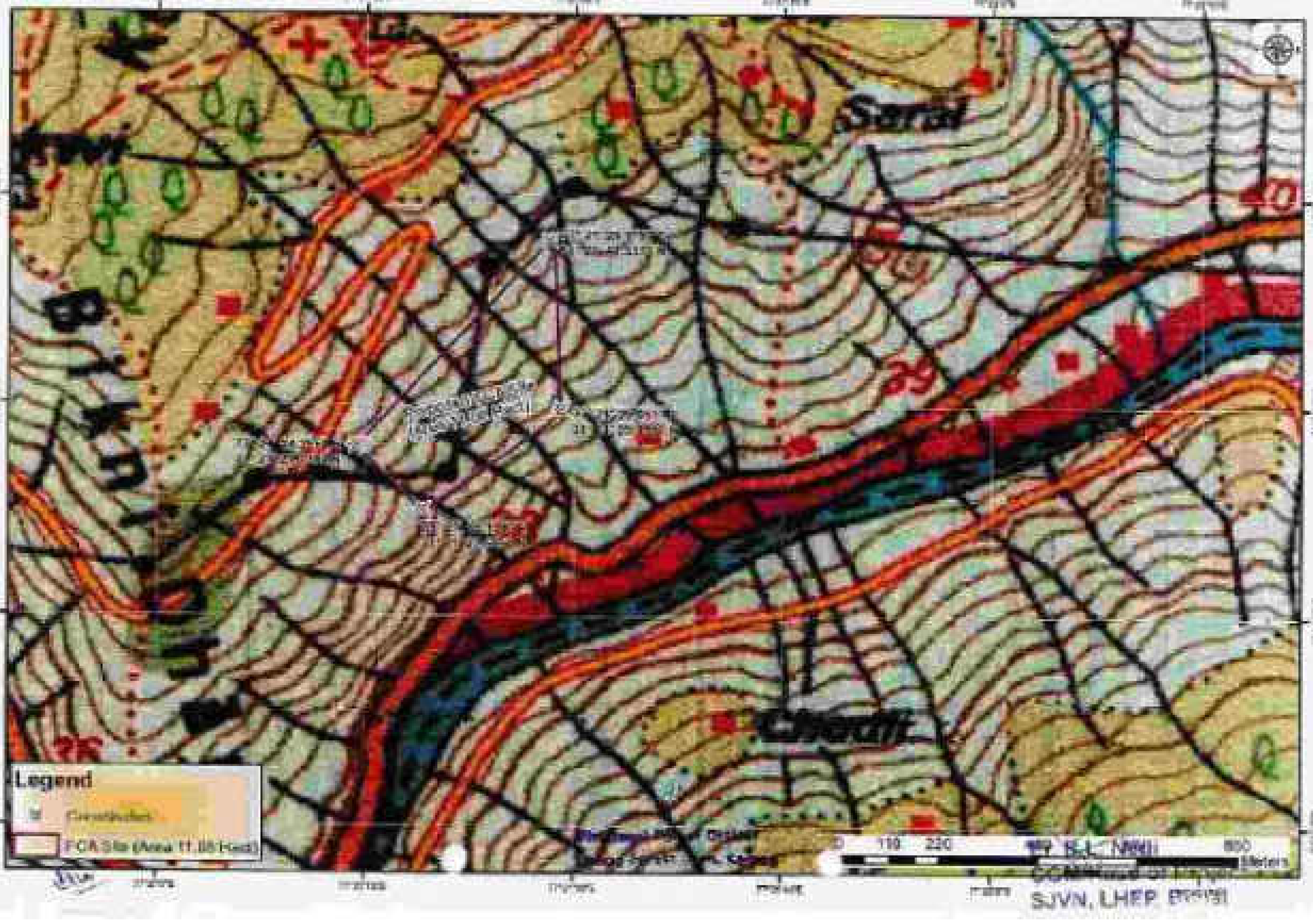
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Digital Toposheet Map of Compensatory Afforestation Site at Shanog Khasra No. 385 (Area 7.20 Hect) Forest Range Seat,Karsog,District Mandi, HP
In respect of SJVN Limited diversion of forest Land for Construction of Kotlu HEP Stage-II



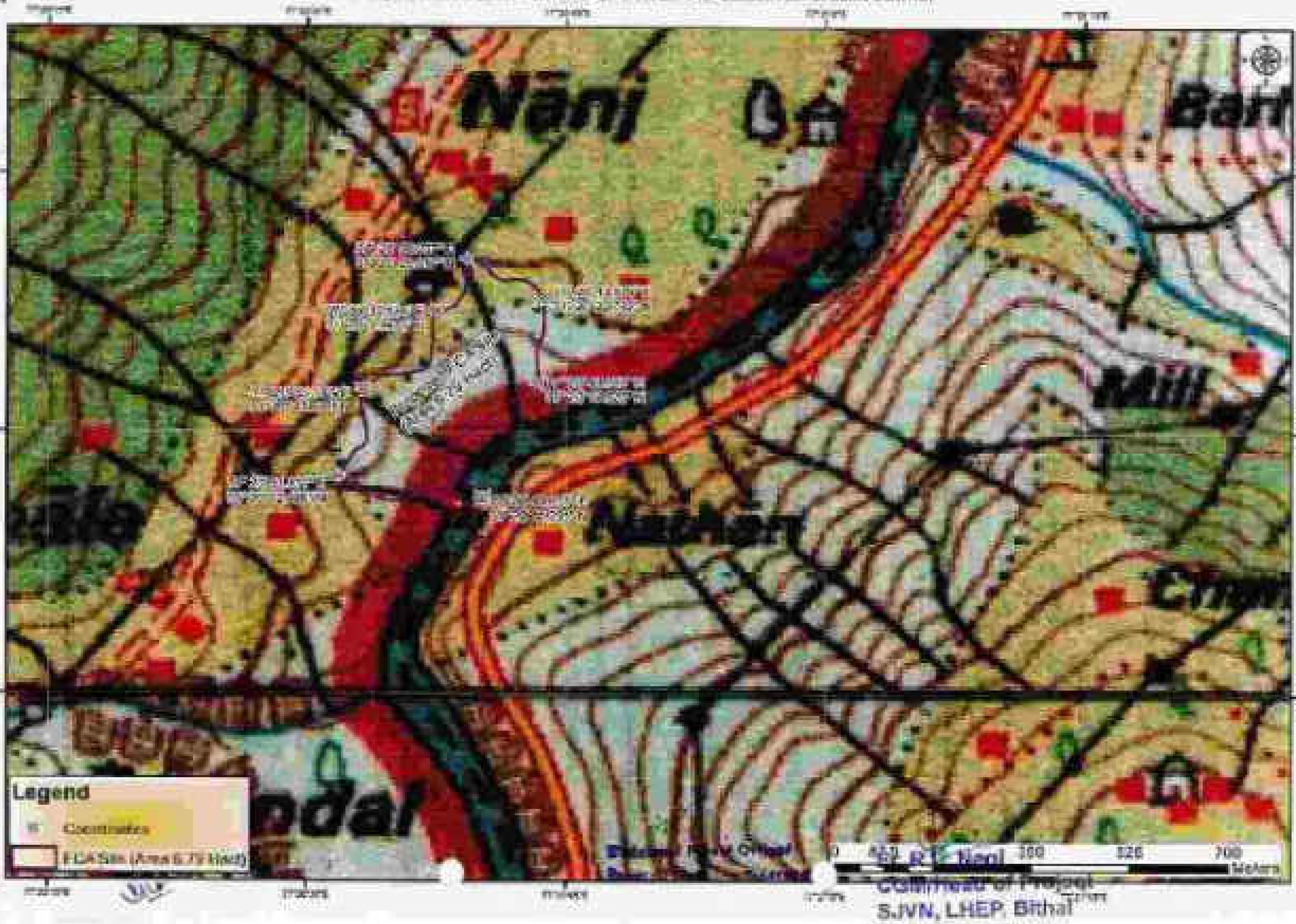
Digital Toposheet Map of Compensatory Afforestation Site at Toban Khasra No. 1874/1580 (Area 11.88 Hect) Forest Range Seoi,Karsog,District Mandi, HP

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



Digital Toposheet Map of Compensatory Afforestation Site at Nanj Khasra No. 690 (Area 6.79 Hect) Forest Range Seri,Karsog,District Mandi, HP

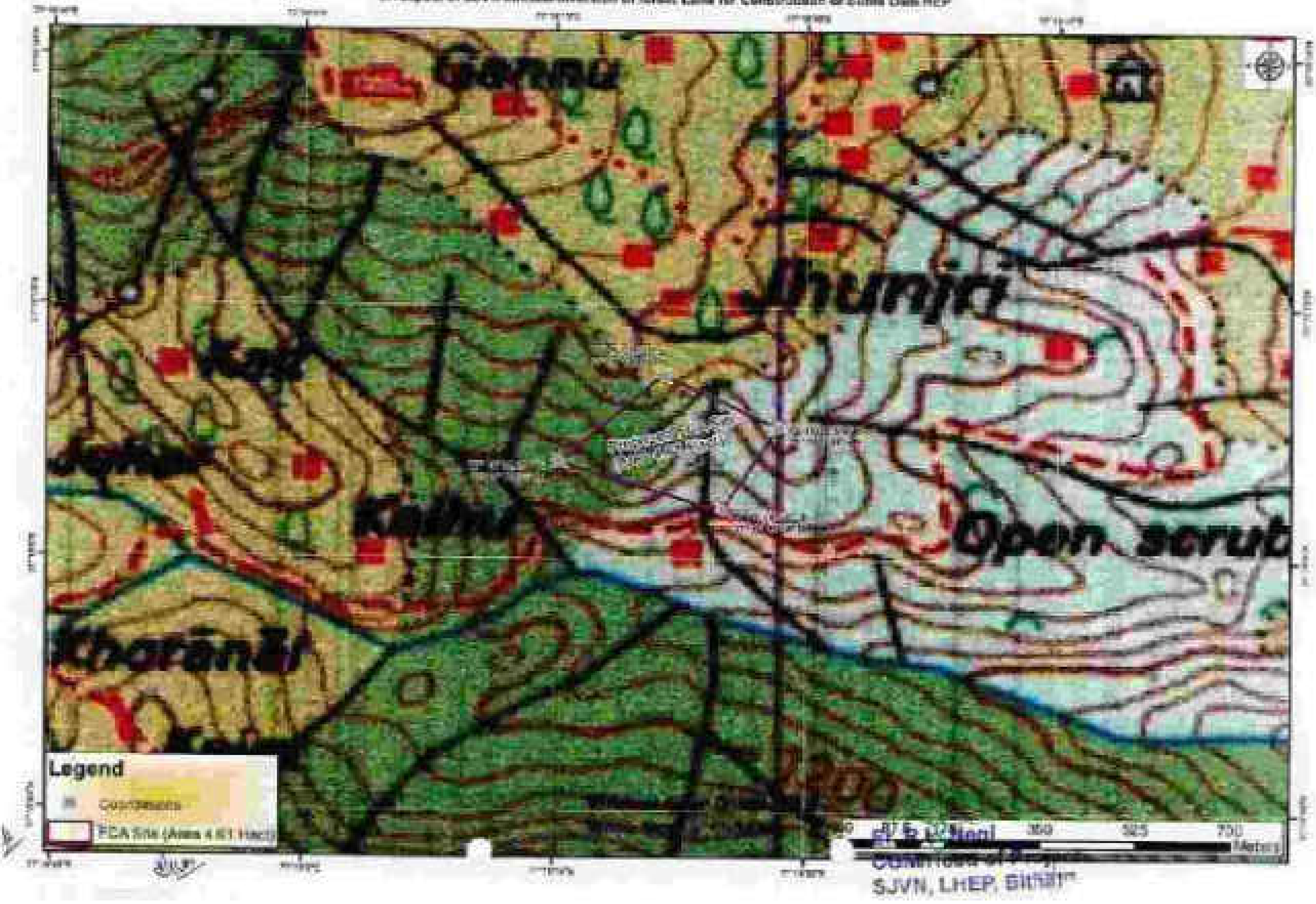
In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



Chairman of Project
S.JVN, LHEP, Birhal

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Digital Topositheet Map of Compensatory Afforestation Site at Purana Khasra No. 845/843/538 (Area 4.61 Hect) Forest Range Seri,Karsog,District Mandi, HP
In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



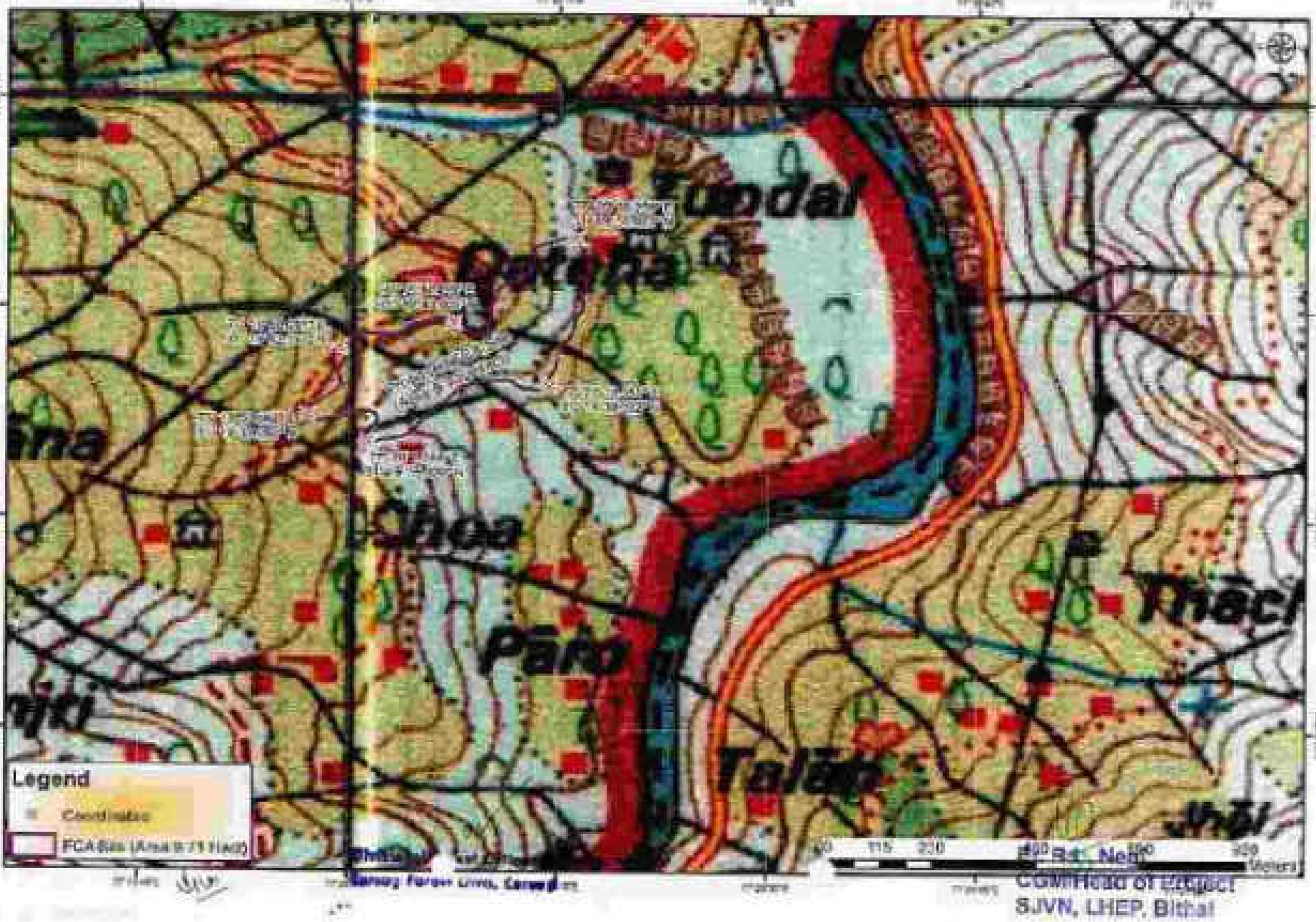
SJVN, LHEP, Sunni

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352

Digital Toposheet Map of Compensatory Afforestation Site at Dteha (Area 9.71 Hact) Forest Range Seeri,Karsog,District Mandi, HP

in respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-IV Scale: 1:6"

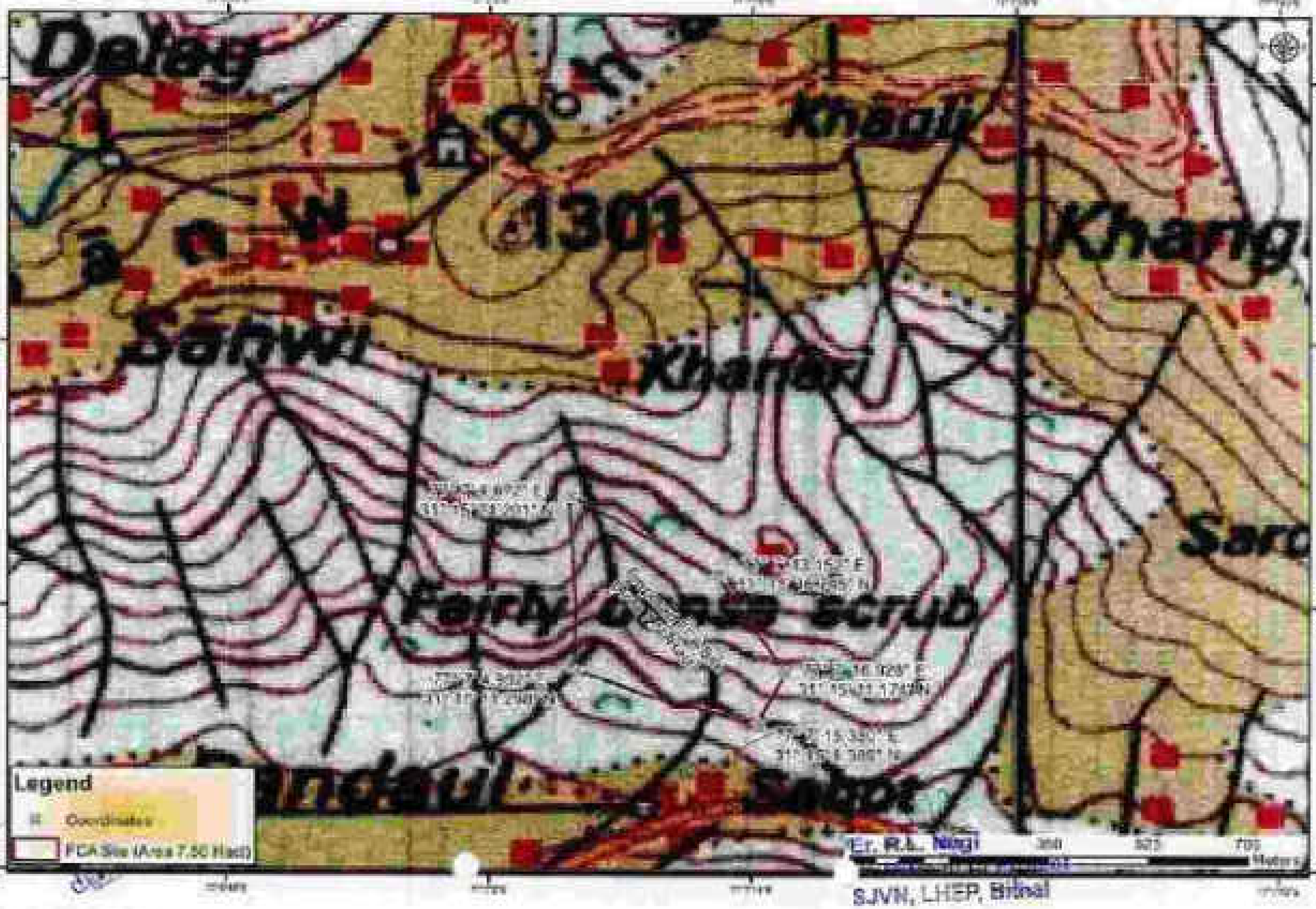


CGM Head of Project
SJVN, LHEP, Bithal

PDF Compressor Free Version

Digital Toposheet Map of Compensatory Afforestation Site at Randol Khasra No. 1403 (Area 7.50 Hect) Forest Range Tattapani/Karsog District Mandi, HP

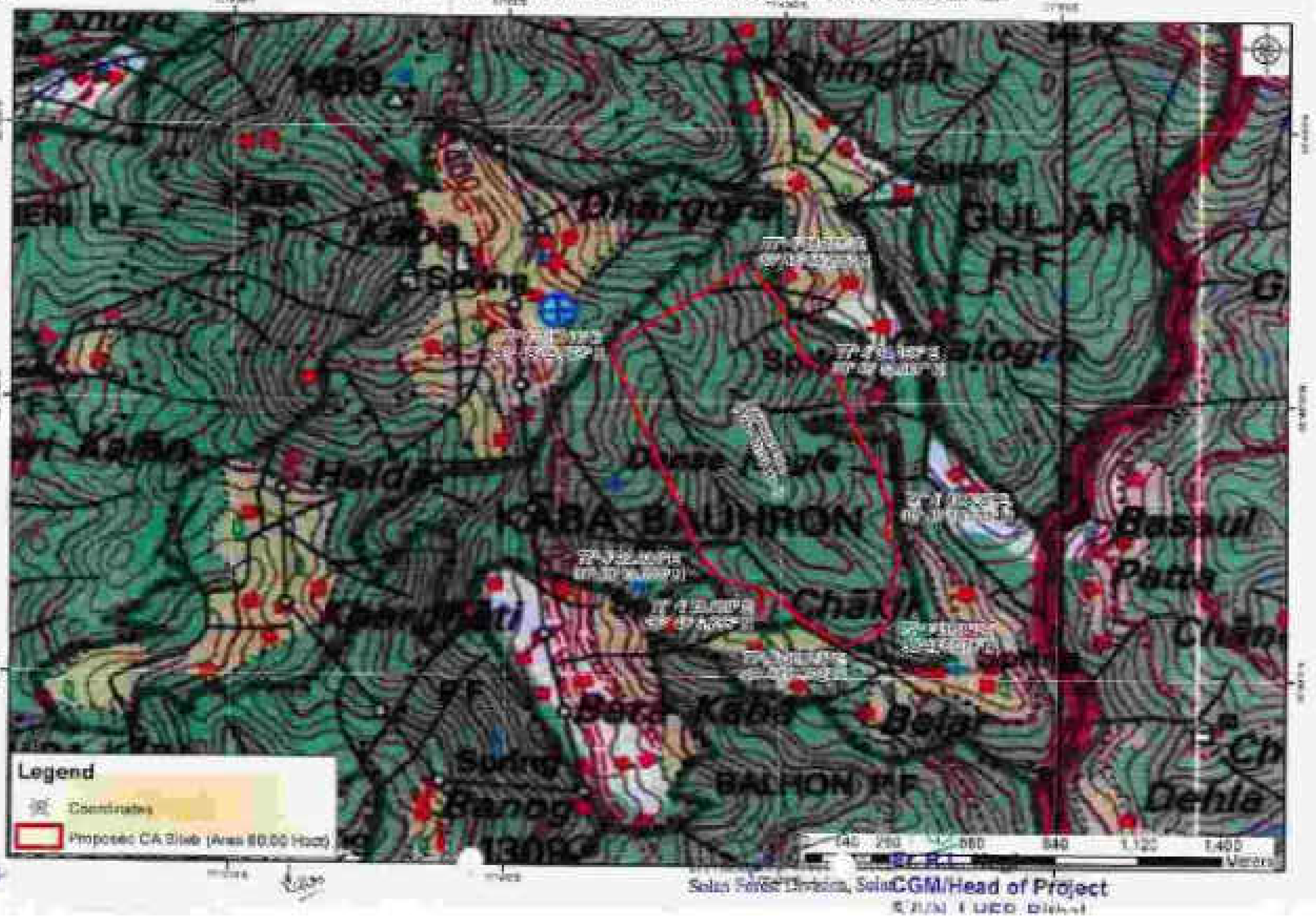
In respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III Shongtong Karcham HEP



PDF Compressor Free Version

Digital Toposheet Map of Compensatory Afforestation Site at D-213 Kaba Kalan (Area 60.00 Hect) Forest Division Solan,District Solan, HP

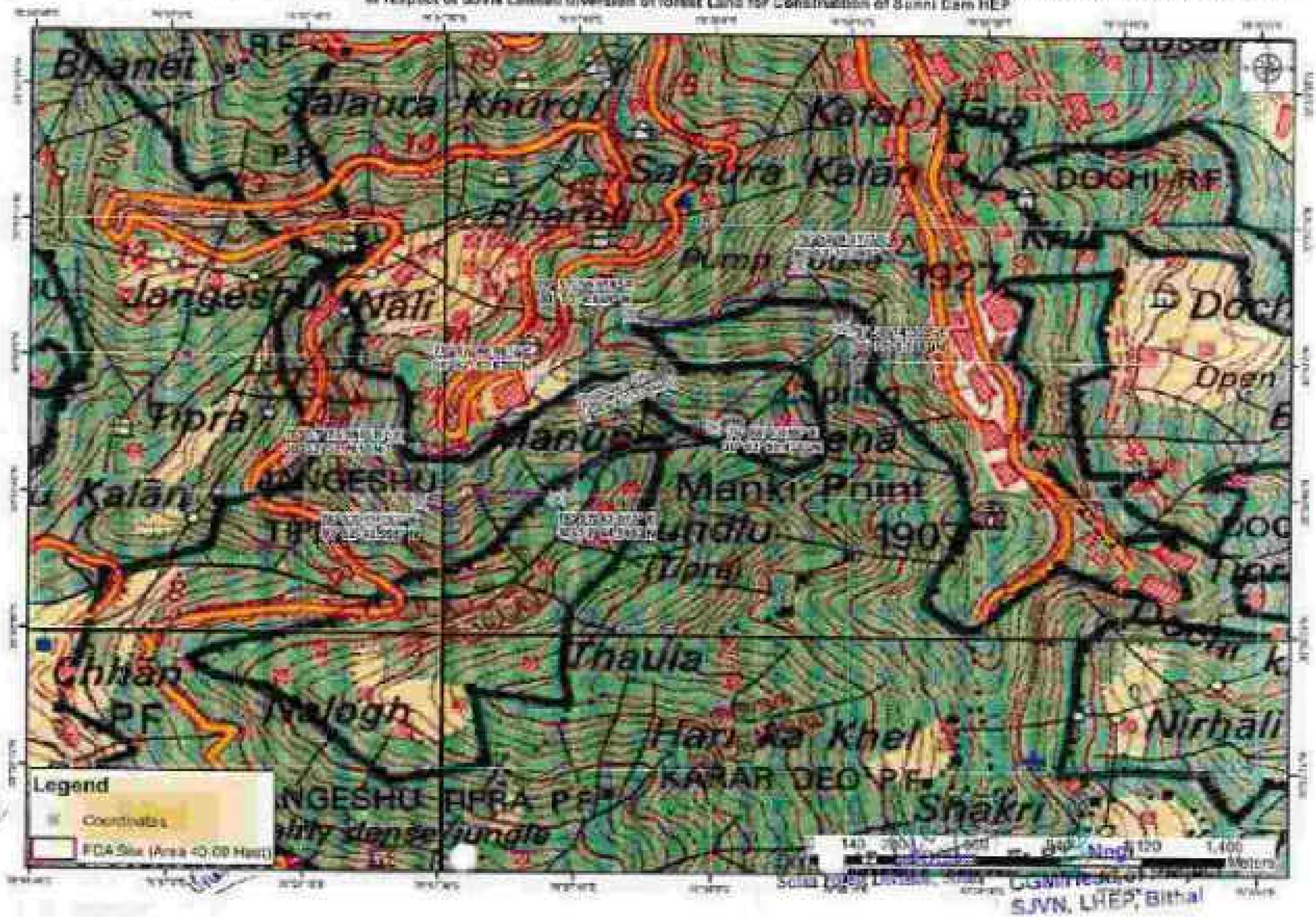
in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



Solan Forest Division, Solan CGM/Head of Project

Digital Toposheet Map of Compensatory Afforestation Site at R-54 Kurardev, C-1 (Area 40.00 Hect) Forest Range Parwanoo,District Solan, HP

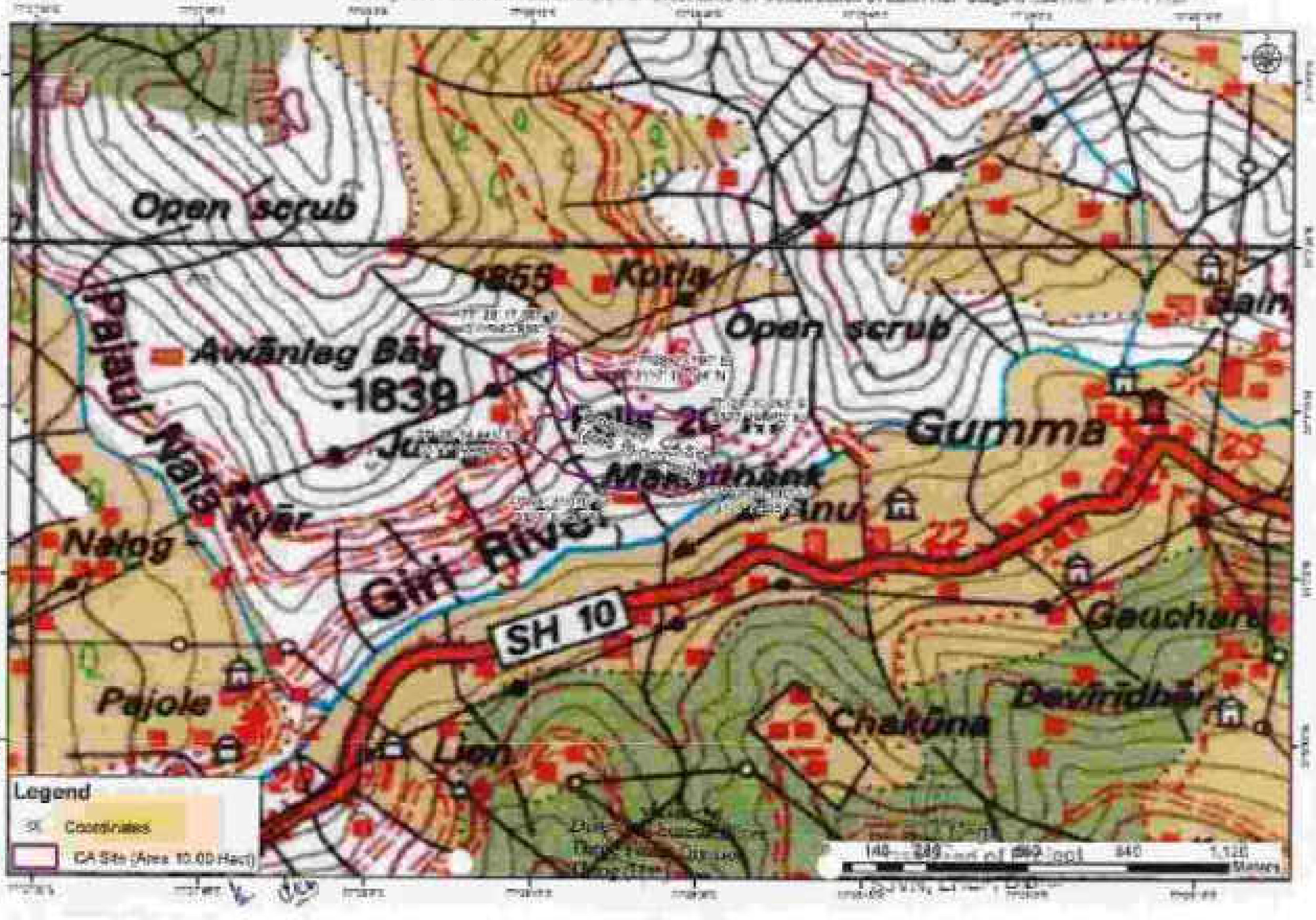
in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



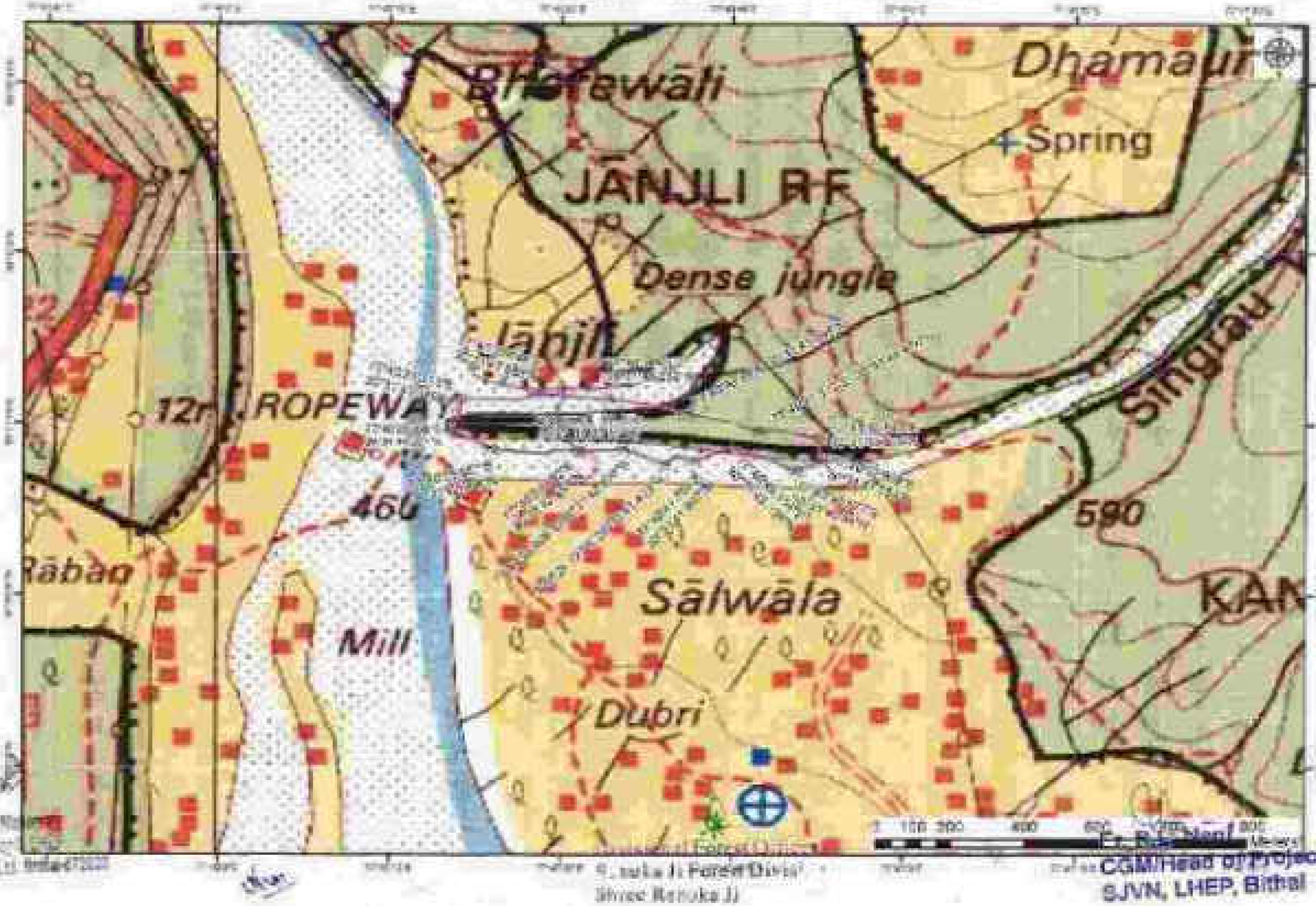
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Digital Toposheet Map of Compensatory Afforestation Site at U-491 Bhareli (Area 10.00 Hact) Forest Range Theog,District Shimla, HP

In respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III Sumnal Dam HEP

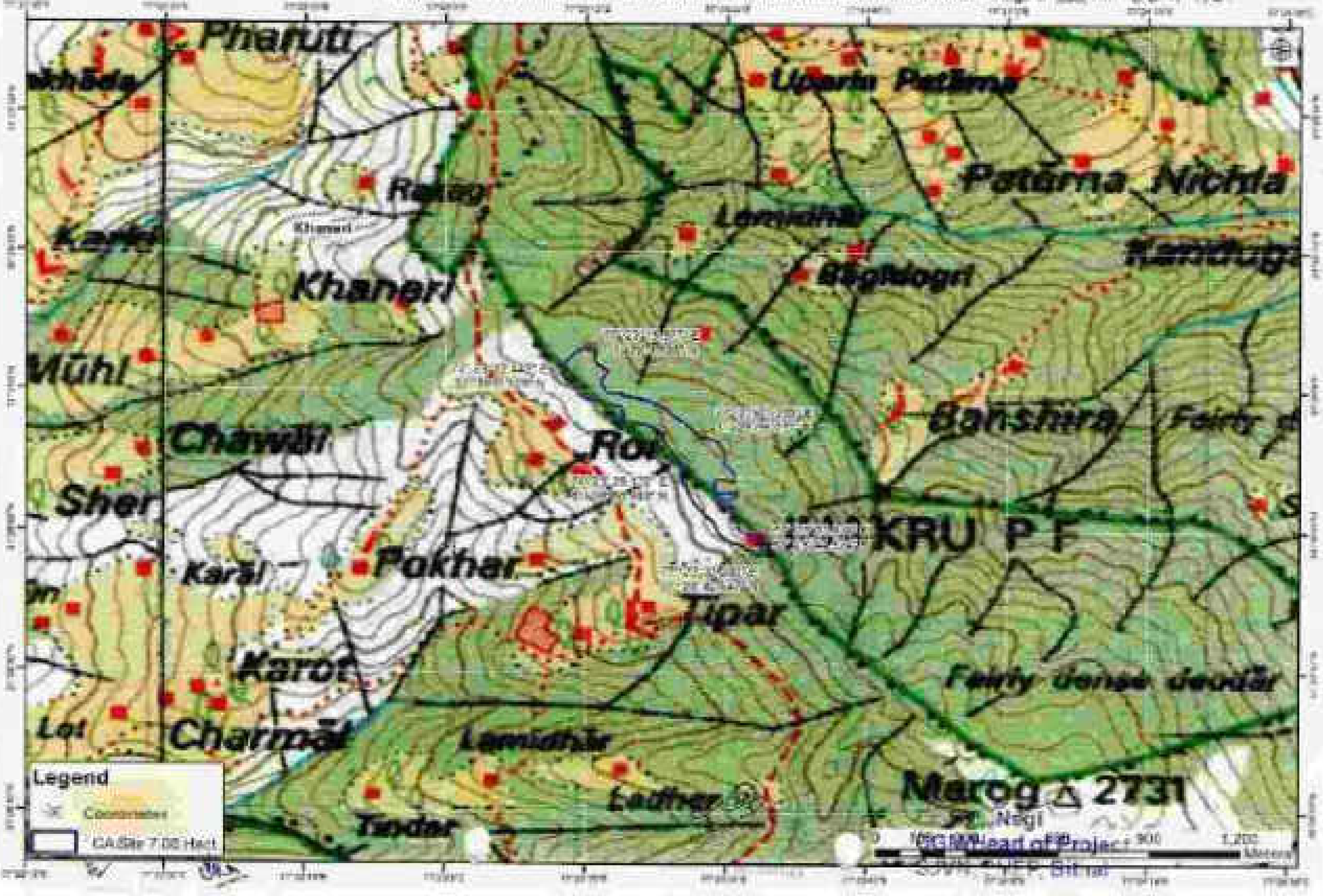


Digital Toposheet Map of Compensatory Afforestation Site at RF Janjali C-4 (Area 10.00 Hactj Forest Range Kaffota,District Sirmour, HP
in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam H.E.P



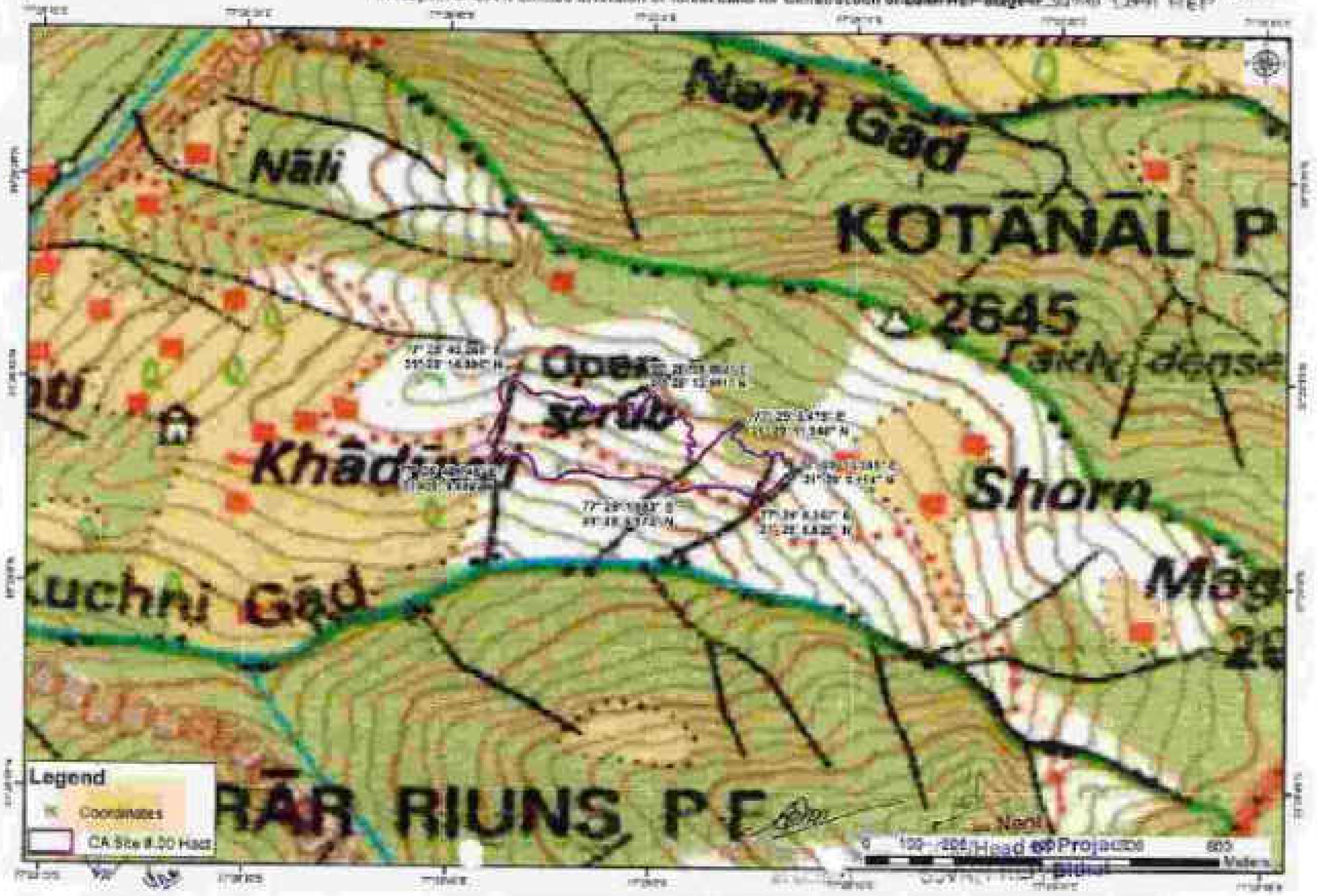
Digital Toposheet Map of Compensatory Afforestation Site at 1/31 Jhakru (Area 7.00 Hect) at Chewsi Forest Range Anni,District Kullu HP

In respect of SJVN Limited diversion of forest Land for Construction of Kuhn HEP Stage-II Sainj Dam HEP



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Digital Topcsheet Map of Compensatory Afforestation Site at UPF Khadvi (Area 8.00 Hact) at Chowai Forest Range Anni,District Kullu,HP
In respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III Shorni Dam HEP



Digital Toposheet Map of Compensatory Afforestation Site at UPF Jabo (Area 19.00 Hact) at Chowai Forest Range Anni, District Kullu,HP

In respect of SJVN Limited diversion of forest Land for Construction of Sainj HEP Stage-II (Sainj Devi HEP)

Sampur

Mishta

WB

Jairi

Jabo

Mills

Bal

Shohab

K WB

A

R

N

Talag

Bhud

Legend

Coordinates

CA Site 19.00 Hact

Contour of Project

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36 (A)

Toposheet Map of the Proposed CA Site (Area 1.44 Hact) against Bani (Sunni Dam HEP) under D-213 Nharinal Karsog Forest Division in respect of SJVNL



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CHECK LIST NO. 18

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

File No.:-FP/HP/MEY/03169/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha. (Karsog Division = 200.4349 ha., Shimla Division = 159.3484 ha. & Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi & Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land: 0-74 Parvain =100 ha.

Distt. Mandi. Tehsil Karsog. Village Jamnu

Name of Forest Division:- Karsog Ranges Pangna

Block/ Compartment/ Survey No.94/F3

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Yes.**

ii) If CA site is other than the land bank, reasons be given: **NA**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **NA**

iv) Soil type: Sandy loam

v) Topography:

(a) Hilly/undulation/Plain: **Hilly**

(b) Slope : **Steep/ Medium/ Gentle** **Medium to Gentle**

vi) **Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes vault.**

3. **Plantation Model:-**

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

PDF Compressor Free Version

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hac.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 100 ha. (D.H Parvalia)	100.00	2020-21	95400	10%	10[illegible]40	10494000
2	1st year maintenance	100.00	2021-22	14850	20%	16940	1694000
3	2nd year maintenance	100.00	2022-23	9500	30%	12350	1235000
4	3rd year maintenance	100.00	2023-24	4850	40%	6790	679000
5	4th year maintenance	100.00	2024-25	4850	50%	7275	727500
6	5th year maintenance	100.00	2025-26	4850	60%	7760	776000
7	6th year maintenance	100.00	2026-27	4850	70%	8245	824500
8	7th year maintenance	100.00	2027-28	4850	80%	8730	873000
9	8th year maintenance	100.00	2028-29	4850	90%	9215	921500
10	9th year maintenance	100.00	2029-30	4850	100%	9700	970000
11	10th year maintenance	100.00	2030-31	4850	110%	10185	1018500
						Total initial planting and 10 year maintenance:-	30312000
						Added Departmental Charges @17.5%	5307160
						Contigency Charges @5%	1910840
						Grand Total	24759700

3. **Technical Details:-**

i) **General Details:-** An area of 100 hac will be taken up for planting under compensatory scheme in D-74 Parvalia, which is a land bank. The area will be protected by Barbed wire be fencing and a mixture of Casafer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hac. (Mixture of plant shrubs and grasses).

ii) **Specification:-** Pits 1 Mtrs.

iii) **Species:-** Pilu, Rukhda, Shisham, Daroo etc.

iv) **Plantation Method:-** Nursery grown one year old plants (in Polythene bags as well as poked root) will be planted in 30x30x30cm. and 45x45x45cm 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 beside up of failures will be done. The plantation will be ra in fed.

v) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that Moisture regime in the area is improved. Minor soil conservation works like gully plugging, check walls will be done wherever required.

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

viii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from NH – 13 from Kariag.

viii) Any other information.- Nil

Date: 04/12/2020

Place: Karsog

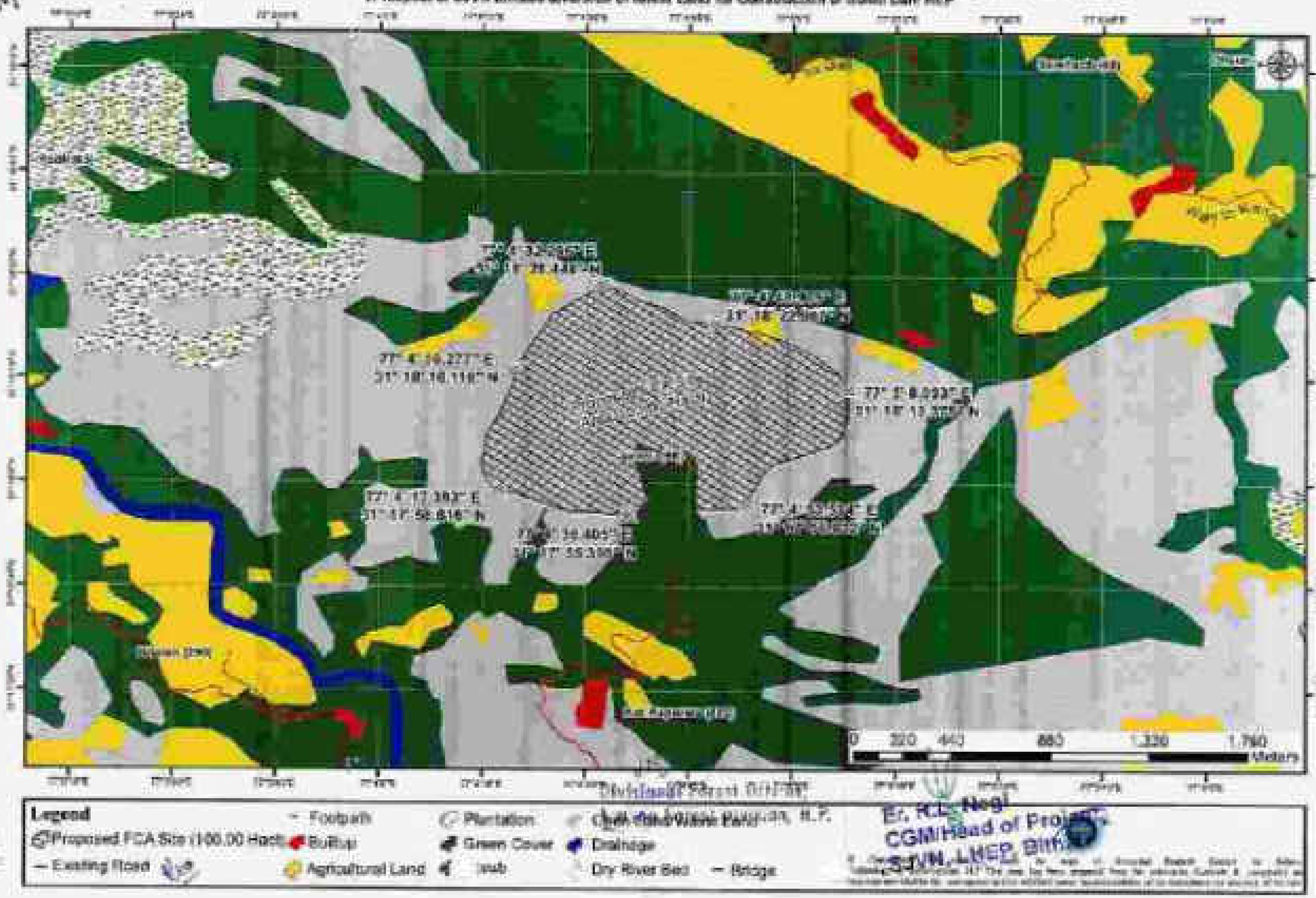
(Sh. R.R. Sharma) IFS
Divisional Forest Officer
Karsog Forest Divn, Karsog

Approved

Chief Conservator of Forests (T)
Forest Circle, Mandi (H.P.)

364

Digital Land Use Map of Compensatory Afforestation Site at D-14 Parwain (Area 100.00 Hect) Forest Range Kamog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



Legend

- Proposed FCA Site (100.00 Hect)
- Existing Road
- Footpath
- BuiltUp
- Agricultural Land
- Plantation
- Green Cover
- Drainage
- Dry River Bed
- Bridge

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

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CHECK LIST NO. 18

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

File No:- HPPUHYD/380/9/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 297.1692 ha. (Karsog Division = 200.4389 ha., Shimla Division = 159.3484 ha. & Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under-

1. Detail of degraded forest land/ non-forest land:-D-213 NRseINal C-III =10 ha.

Distt. Mandi. Tehsil Village Balu Karsog. HP

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No. 44917

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: Yes.

ii) If CA site is other than the land bank, reasons be given: NA

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: NA

iv) Soil type: Sandy loam

v) Topography:

(a) Hilly/undulation/Plain: Hilly

(b) Slope : Steep/ Medium/ Gentle : Medium to Gentle

vi) Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes stuff.

3. **Plantation Model:-**

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

PDF Compressor Free Version

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 10 ha. @ 213 Nilwahal C-III	10.00	2020-21	85400	10%	104940	1049400
2	1st year maintenance	10.00	2021-22	14250	20%	16960	169600
3	2nd year maintenance	10.00	2022-23	9650	30%	12350	123500
4	3rd year maintenance	10.00	2023-24	4650	40%	6790	67900
5	4th year maintenance	10.00	2024-25	4650	50%	7225	72250
6	5th year maintenance	10.00	2025-26	4650	60%	7760	77600
7	6th year maintenance	10.00	2026-27	4650	70%	8345	83450
8	7th year maintenance	10.00	2027-28	4650	80%	8730	87300
9	8th year maintenance	10.00	2028-29	4650	90%	9315	93150
10	9th year maintenance	10.00	2029-30	4650	100%	9700	97000
11	10th year maintenance	10.00	2030-31	4650	110%	10185	101850
						Total initial planting and 10 year maintenance:-	2011200
						Added Departmental Charges @17.5%	352710
						Contingency Charges @5%	101068
						Grand Total	2475870

5. **Technical Details:-**

i) **General Details:-** An area of 10hec. will be taken up for planting under compensatory scheme in D-213 Nilwahal C-III, which is a land bank. The area will be protected by Barbed wire fencing and a mixture of Conifer and B/L species will be planted. 1000 plants will be planted in all in 1.00 hec @ 1100 plants per hec. [Mixture of plant shrubs and grasses].

ii) **Spacement:-** 3mtr x 3mtr.

iii) **Species:-** Pine, Robinia, Shisham, Deodar etc.

vi) **Plantation Method:-** Nursery grown one year old plants in Polythene Bags as well as naked roots will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Both cutting will be done in the infected area. The plantation will be maintained for subsequent 10 years in which beater up of failures will be done. The plantation will be cane fed.

vi) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

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

vii) **Proposed Monitoring Mechanism** :- The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GPI representatives as per instructions. The plantation site will be approachable from NH – 21 from Kamrup.

viii) Any other information :- Nil

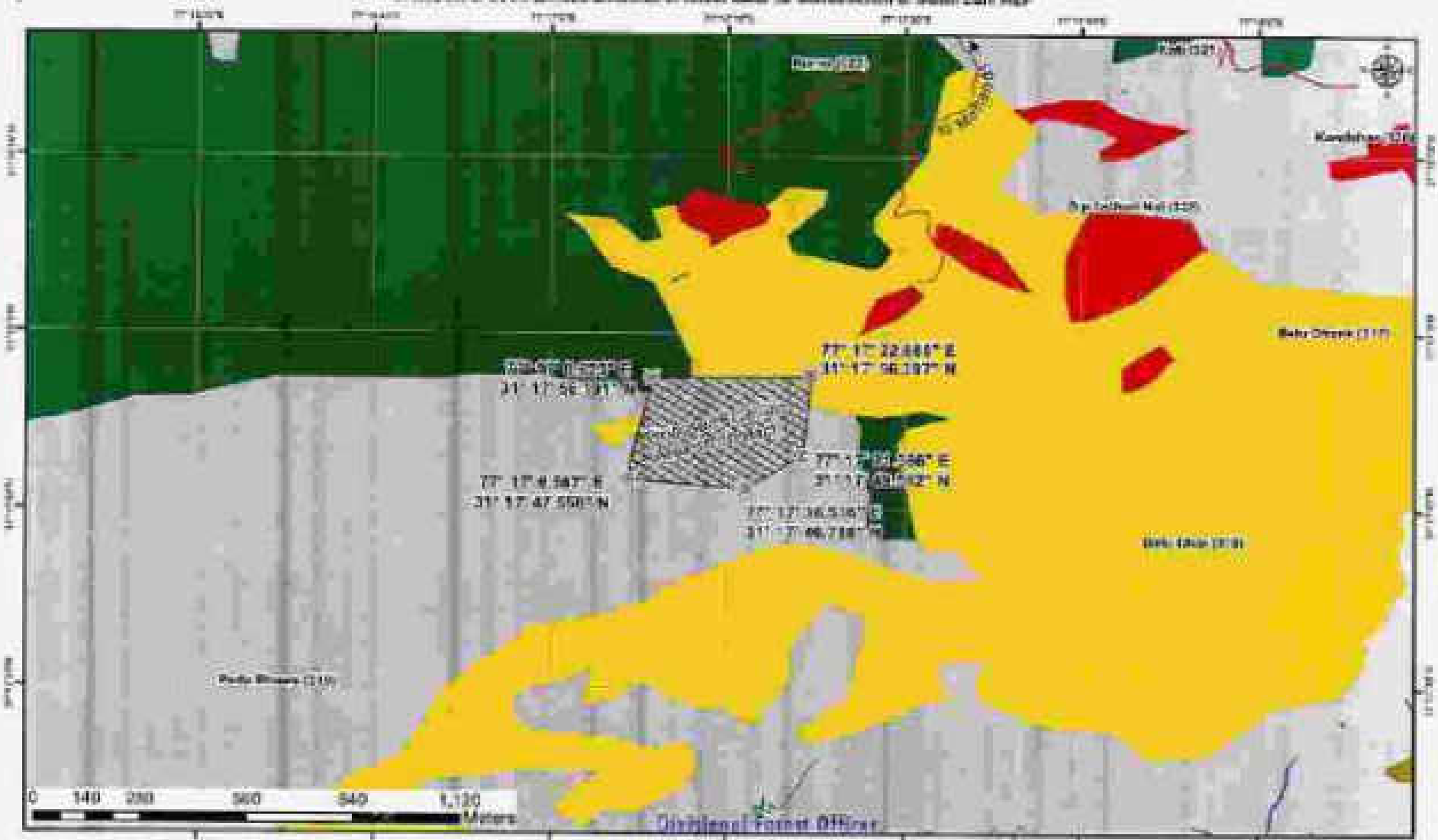
Date: 04/12/2020

Place: Kamrup

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Digital Land Use Map of Compensatory Afforestation Site at D-213 Nihartnal C-II (Area 10.00 Hectt) Forest Range Karsog,District Mandi, HP

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



Legend

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

Er. R.C. Negi
CC/Head of Proj

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CHECK LIST NO. 18

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

File No.:- [illegible]

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 297.1632 ha. (Karsog Division = 200.4349ha., Shimla Division = 159.3484 ha. & Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam. HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi & Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-D-252 Naga Nal C4a =13 ha.

Distt. Mandi Tehsil Karsog, Village Tummar

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.643F7

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Yes.**

ii) If CA site is other than the land bank, reasons be given: **NA**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **NA**

iv) Soil type: **Sandy loam**

v) Topography:

(a) Hilly/undulating/Plain: **Hilly**

(b) Slope : Steep/ Medium/ Gentle : **Medium to Gentle**

vi) Whether the area is bearing any root stock of vegetation: **No tree species exist in the area except for some bushes stuff.**

3. **Plantation Model:-**

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

PDF Compressor Free Version

4. Schedule of Plantation Programme:-

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over an area of 10 ha. (C-252 Nagaral C-la)	10.00	2020-21	95400	10%	104940	1049400
2	1st year maintenance	10.00	2021-22	14150	20%	16980	169800
3	2nd year maintenance	10.00	2022-23	9500	30%	12350	123500
4	3rd year maintenance	10.00	2023-24	4650	40%	6790	67900
5	4th year maintenance	10.00	2024-25	4850	50%	7275	72750
6	5th year maintenance	10.00	2025-26	4850	60%	7760	77600
7	6th year maintenance	10.00	2026-27	4850	70%	8245	82450
8	7th year maintenance	10.00	2027-28	4850	80%	8730	87300
9	8th year maintenance	10.00	2028-29	4850	90%	9215	92150
10	9th year maintenance	10.00	2029-30	4850	100%	9700	97000
11	10th year maintenance	10.00	2030-31	4850	110%	10185	101850
						Total (Initial planting and 10 year maintenance)	2071700
						Added Departmental Charges @17.5%	353710
						Contigency Charges @5%	101060
						Grand Total	2475970

5. Technical Details: -

i) General Details- An area of 10 hec will be taken up for planting under compensatory scheme in D-252 Naga Mal C-la, which is a mud bank. The area will be protected by barbed wire fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hec @ 1100 plants per hec. [Mixture of plant shrubs and grasses].

ii) Spacement - 3mtr x 3mtr.

iii) Species - Pine, Robinia, Shisham, Bamboo etc.

iv) Plantation Methods - Nursery grown one year old plants [in Polythene bags as well as rooted root] will be planted in 30x30x30cm and 45x45x45cm 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 rain fed.

v) Soil and Moisture Conservation Works:- Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

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vii) **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.

viii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from NH – 21 from Kanpur.

viii) Any other information:- Nil

Date: 24/10/2020

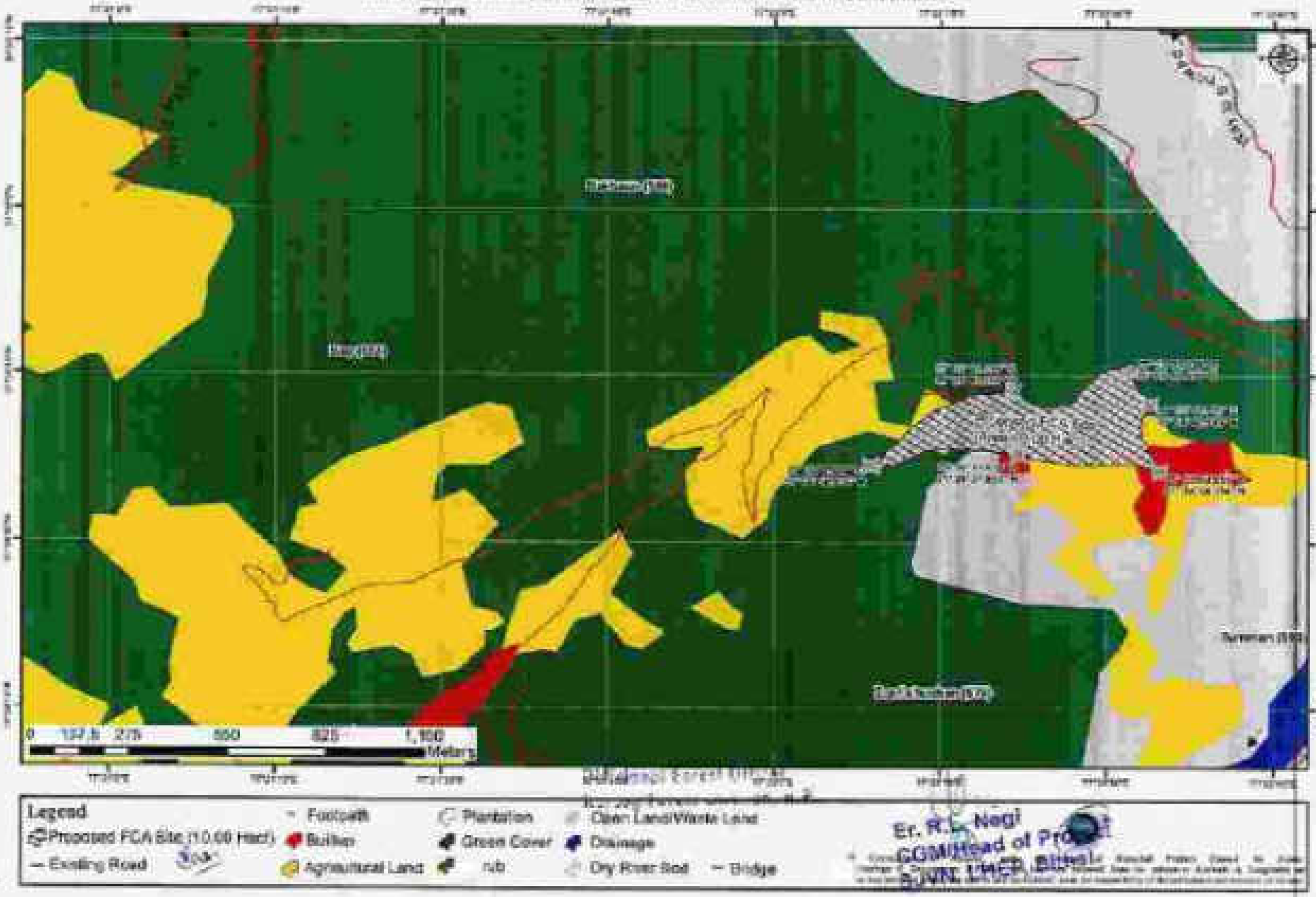
Place: Karwig

Sh. R.K. Sharma HFFS
Divisional Forest Officer
Karwig Forest Divn, Karwig

Addl. Principal Chief Conservator of Forests (T)
Forest Department, U.P. (Lucknow)

Digital Land Use Map of Compensatory Afforestation Site at D-252 Nagarul C-1a (Area 10.69 Hect) Forest Range Karsog,District Mandi, HP

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



Legend

- Proposed FCA Site (10.69 Hect)
- Existing Road
- Footpath
- Builtup
- Agricultural Land
- Plantation
- Green Cover
- nib
- Open Land/Waste Land
- Drainage
- Dry River Bed
- Bridge

Er. R.L. Negi
GGM/Head of Project
SJVN Ltd. Shimla

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CHECK LIST NO. 18

Full Title of Project: -Construction of Sutlej Dam HEP (382 MW).

File No.:-FT/BLPMCY/D/3803/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1632 ha. [Karsog Division = 230.4349 ha., Shimla Division = 159.3484 ha. &Kotgarh Division = 37.3959 ha.] forest land to be diverted for construction of Sutlej Dam, HEP (382 MW), on Sutlej River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi & Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-D-248 Fariyota (146.45 ha.

Distt. Mandi. Tehsil Karsog. Village Fariyota

Name of forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.H43P7

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: Yes

ii) If CA site is other than the land bank, reasons be given: NA

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: NA

iv) Soil type: Sandy loam

v) Topography:

(a) Hilly/undulation/Plain: Hilly

(b) Slope : Steep/ Medium/ Gentle : Medium to Gentle

vi) Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes stuff.

3. **Plantation Model:-**

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

PDF Compressor Free Version

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 5 ha. (D-248 Phanyota C-I)	5.00	2020-21	95400	10%	104940	524700
2	1st year maintenance	5.00	2021-22	14150	20%	16980	84900
3	2nd year maintenance	5.00	2022-23	9500	30%	12350	61750
4	3rd year maintenance	5.00	2023-24	4850	40%	6790	33950
5	4th year maintenance	5.00	2024-25	4850	50%	7225	36125
6	5th year maintenance	5.00	2025-26	4850	60%	7760	38809
7	6th year maintenance	5.00	2026-27	4850	70%	8245	41225
8	7th year maintenance	5.00	2027-28	4850	80%	8730	43650
9	8th year maintenance	5.00	2028-29	4850	90%	9215	46075
10	9th year maintenance	5.00	2029-30	4850	100%	9700	48500
11	10th year maintenance	5.00	2030-31	4250	120%	10185	50925
						Total initial planting and 10 year maintenance:-	1010680
						Added Departmental Charges @17.5%	176855
						Contigency Charges @5%	50550
						Grand Total	1237985

5. **Technical Details :-**

i) **General Details:-** An area of 5 hec. will be taken up for planting under compensatory scheme in D-248 Fatnyota C-I-a, which is a hill mass. the area will be protected by fencing were be feasible and a mixture of Conifer and hill species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hec. (Mixture of plane shrubs and grasses).

ii) **Specimens :-** 3mtr x 3mtr.

iii) **Species :-** Pine, Robinia, Shisham, Deresa etc.

iv) **Plantation Method :-** Nursery grown one year old plants (in Polythene bags as well as naked root) will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Bush cutting will be done in the infected area. The plantation will be maintained for subsequent 10 years in which beater up of failure will be done. The plantation will be rain fed.

v) **Soil and Moisture Conservation Works :-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

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

viii) **Proposed Monitoring Mechanism:** - The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by DO representatives as per instructions. The plantation site will be approachable from NH – 21 from Kamrup.

viii) Any other information:- Nil

Date: 04/12/2015

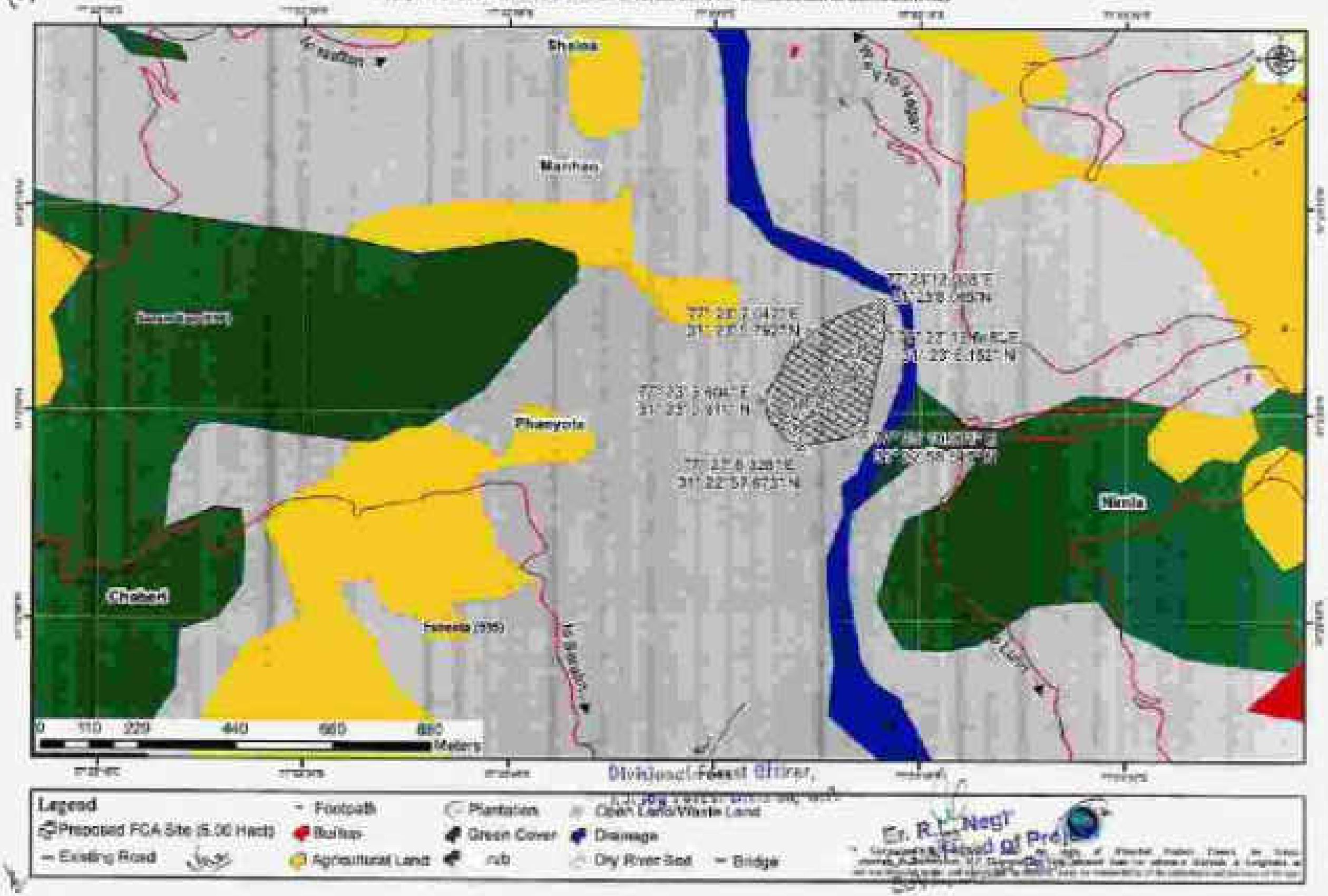
Place: Kamrup

[Sh. B.K Sharma] IFFS
Divisional Forest Officer
Kamrup Forest Divn, Kamrup

Approved

Principal Chief Conservator of Forests
Forest Development Agency

Digital Land Use Map of Compensatory Afforestation Site at D-248 Phanyota (Area 5.06 Hect) Forest Range Karsog District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



Legend

- Proposed FCA Site (5.06 Hect)
- Existing Road
- Footpath
- Bullap
- Agricultural Land
- Plantation
- Green Cover
- Open Land/Waste Land
- Drainage
- Dry River Bed
- Bridge

Er. R. L. Negi
Chief Engineer

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CHECK LIST NO. 18

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

File No.:- FPHE/HTL/0010019/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 397.3602 ha. (Karsog Division = 200.4349ha., Shimla Division = 159.3484 ha. Sillogarh Division = 37.3359 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdictions of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi & Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land: Muhal Kehat over in Khasra No. 526/386 =10.76 ha.

Distt. Mandi. Tehsil Karsog. Village Kehat

Name of Forest Division:- Karsog. Range: Sesi

Block/ Compartment/ Survey No.146/7

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) If CA site is other than the land bank, reasons to be given: **Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **Adjoining the boundary of D-220 Paro Forest.**

iv) **Soil type: Sandy loam**

v) Topography:

(a) Hilly/undulation/Plain: **Hilly**

(b) Slope : Steep/ Medium/ Gentle : **Medium to Gentle**

vi) Whether the area is bearing any root stock of vegetation: **No tree species exist in the area expect for some bushes stuff.**

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3. Plantation Model:-

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

4. Schedule of Plantation Programme:-

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hac.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 10.76 ha. (Non-forest land over in Khasra No. 526/386 in Mutal Kelar)	10.76	2020-21	95490	18%	104940	1125854
2	1st year maintenance	10.76	2021-22	34150	30%	44980	482705
3	2nd year maintenance	10.76	2022-23	9590	30%	12350	132868
4	3rd year maintenance	10.76	2023-24	4850	40%	6790	73069
5	4th year maintenance	10.76	2024-25	4850	50%	7275	77748
6	5th year maintenance	10.76	2025-26	4850	60%	7760	83458
7	6th year maintenance	10.76	2026-27	4850	70%	8245	88736
8	7th year maintenance	10.76	2027-28	4850	80%	8730	93935
9	8th year maintenance	10.76	2028-29	4850	90%	9215	99153
10	9th year maintenance	10.76	2029-30	4850	100%	9700	104374
11	10th year maintenance	10.76	2030-31	4850	110%	10185	109597
						Total initial planting and 10 year maintenance:-	2174031
						Added Departmental Charges @17.5%	380562
						Contingency Charges @5%	108741
						Grand Total	2663134

5. Technical Details:-

i) General Details:- An area of 10.76 hac. will be taken up for planting under compensatory scheme in Mutal Kelar over in Khasra No. 526/386, which is a non-forest land. The area will be protected by Barbed wire fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hac. (Mixture of plant shrubs and grasses).

ii) Spacement:- 3mtr x 3mtr.

iii) Species:- Pine, Deodar, Shisham, Banj etc.

iv) Plantation Method:- Nursery grown one year old plants (in Polythene bags as well as naked root) will be planted in 30x30x30cm, and 45x45x45cm 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 rain fed.

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vi) **Soil and Moisture Conservation Works :-** Contour treacting will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vii) **Protection (Fencing, Watchmen, 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.

viii) **Proposed Monitoring Mechanism :-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by SDI representatives as per instructions. The plantation site will be approachable from NH – 21 from Karsog.

ix) **Any other information :-** Nil

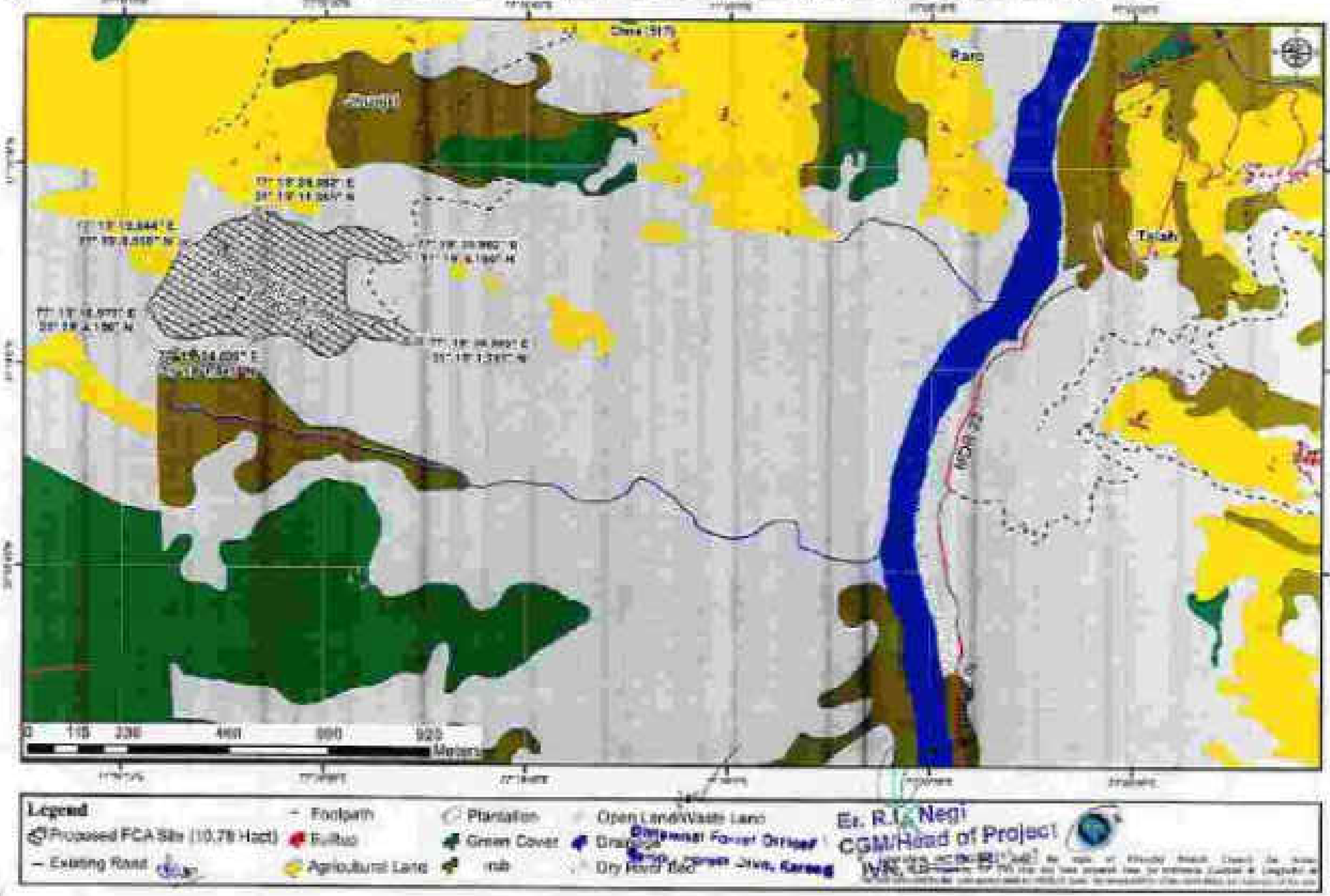
Date: 04/10/2016

Place: Karsog

Sh. R.K. Sharma, HPFS
Divisional Forest Officer
Karsog Forest Division, Karsog

Divisional Forest Officer (V)
Forest Circle, Kandaghat

Digital Land Use Map of Compensatory Afforestation Site at Kehat Khasra No. 526/385 (Area 10.78 Hadi) Forest Range Seer,Karsog,District Mandi, HF
In respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-II Summer Dam HEP



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CHECK LIST NO. 18

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

File No.:- FP/HP/DIV/D/3101/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha. (Karsog Division = 200.4345 ha., Shimla Division = 159.3484 ha. &Kotgarh Division = 37.3863 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Sutluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Muhal Kehat over in Khasra No. 521/411 =12.78 ha.

Distt. Mandi. Tehsil Karsog. Village Kahat

Name of Forest Division:- Karsog. Range:- Seri

Block/ Compartment/ Survey No. 1438/7

2. Description of area

i) Whether the site selected for Compensatory Afforestation is a land bank or not:- **Not**

ii) If CA site is other than the land bank, reasons be given:- **Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:- **Adjoining the boundary of D-220 Fard forest.**

iv) Soil type:- Sandy loam

v) Topography:

(a) Hilly/undulation/Plain:- **Hilly**

(b) Slope :- Steep/ Medium/ Gentle :- **Medium to Gentle**

vi) Whether the area is bearing any root stock of vegetation:- **No tree species exist in the area expect for some bushes stuff.**

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3. Plantation Model:-

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

4. Schedule of Plantation Programme:-

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 12.78 ha. (Non-forest land over in Khasra No. 524/411 in Mutal Tehsil)	12.78	2020-21	95400	20%	104940	1341133
2	1st year maintenance	12.78	2021-22	14190	20%	15609	213604
3	2nd year maintenance	12.78	2022-23	9500	30%	12350	157823
4	3rd year maintenance	12.78	2023-24	4850	40%	6790	86776
5	4th year maintenance	12.78	2024-25	4850	50%	7275	92985
6	5th year maintenance	12.78	2025-26	4850	60%	7760	99193
7	6th year maintenance	12.78	2026-27	4850	70%	8245	105371
8	7th year maintenance	12.78	2027-28	4850	80%	8730	111569
9	8th year maintenance	12.78	2028-29	4850	90%	9215	117768
10	9th year maintenance	12.78	2029-30	4850	100%	9700	123946
11	10th year maintenance	12.78	2030-31	4850	110%	10185	130164
						Total initial planting and 10 year maintenance:-	2583091
						Added Departmental Charges @17.5%	452041
						Contingency Charges @5%	129155
						Grand Total	3364287

5. Technical Details:-

i) **General Details:-** An area of 12.78 hect. will be taken up for planting under compensatory scheme in Mutal Tehsil over in Khasra No. 524/411, which is a non-forest land. The area will be protected by Barbed wire be fencing and a mixture of Conifer and B/L species will be planted. 3100 plants will be planted in all in 2.00 hec @ 1550 plants per hec. (Mixture of plant shrubs and grasses).

ii) **Spacement:-** 3mtrs x 3mtr.

iii) **Species:-** Pine, Robinia, Shisham, Bamboo etc.

iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as naked roots will be planted in 30x30x30cm. pits 45x45x45cms pits in the selected area. Weed cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beater up of failures will be done. The plantation will be rain fed.

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vi) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

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

viii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from NH – 21 from Kiratpur.

ix) **Any other information:-** Nil

Date: 04/12/2014

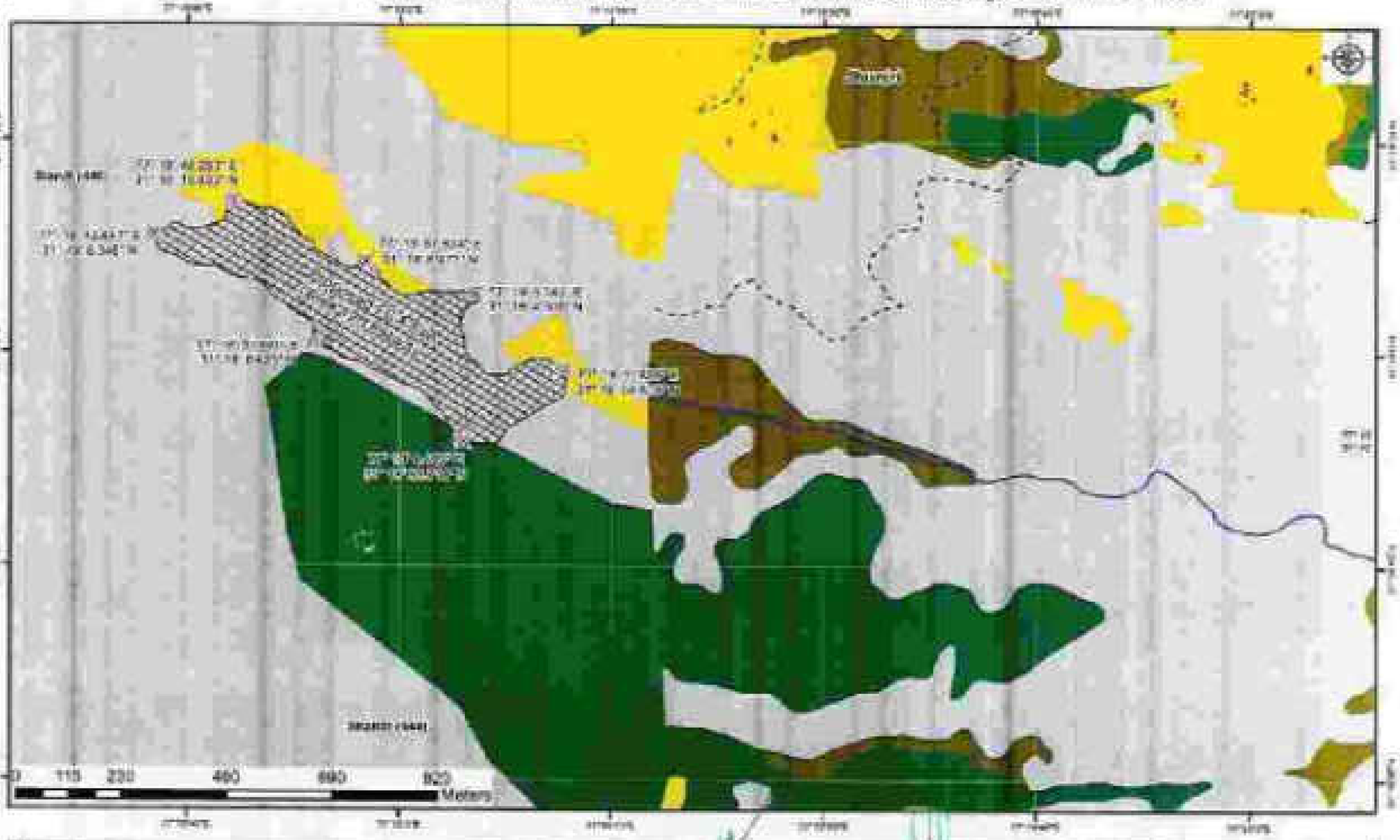
Place: Kiratpur

(Sh. R.K. Sharma) HPFS
Divisional Forest Officer
Sarkaghat Forest Division, Kiratpur

Recommended

Deputy Director of Forests (T)
Forest Circle, Mandi (H.P.)

Digital Land Use Map of Compensatory Afforestation Site at Kehat Khasra No. 524/411 (Area 12.78 Hact) Forest Range Seori,Kamrau,District Mandi, HP
in respect of SJVNL,Imited diversion of forest Land for Construction of Luhri HEP Stage-II



Legend

- Processed FCA Site (12.78 Hact)
- Existing Road
- Footpath
- Built-up
- Agricultural Land
- Plantation
- Green Cover
- Nala
- Open Land/Waste Land
- Dry Riverbed

Regional Forest Officer
Kamrau

Er. R.S. Negi
Head of Project
Bharat

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CHECK LIST NO. 18.

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

File No.:-FE/REP/HYD/310/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha. (Karsog Division = 200.4348ha., Shimla Division = 159.3484 ha. &Kotgarh Division = 37.3359 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Sutluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi & Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Muhal Kohat over in Khasra No. 474 =10.09 ha.

Distt. Mandi, Tehsil Karsog, Village Kohat

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.Hal 37

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) If CA site is other than the land bank, reasons be given: **Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **Adjoining the boundary of D-220 Pass Forest.**

iv) Soil type: **Sandy loam**

v) Topography:

[a] Hills/undulation/Plain: **Hilly**

[b] Slope : Steep/ Medium/ Gentle : **Medium to Gentle**

vi) Whether the area is bearing any root stock of regulation: **No tree species exist in the area expect for some bushes stuff.**

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3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over an area of 10.03 ha. (Non-Forest land bear in khata No. 474 in Mukat deluti)	10.03	2020-21	95490	10%	104940	1052548
2	1st year maintenance	10.03	2021-22	14150	20%	16980	170309
3	2nd year maintenance	10.03	2022-23	9500	30%	12350	123871
4	3rd year maintenance	10.03	2023-24	4850	40%	6790	68104
5	4th year maintenance	10.03	2024-25	4850	50%	7275	72963
6	5th year maintenance	10.03	2025-26	4850	60%	7760	77822
7	6th year maintenance	10.03	2026-27	4850	70%	8245	82681
8	7th year maintenance	10.03	2027-28	4850	80%	8730	87540
9	8th year maintenance	10.03	2028-29	4850	90%	9215	92426
10	9th year maintenance	10.03	2029-30	4850	100%	9700	97259
11	10th year maintenance	10.03	2030-31	4850	110%	10185	102156
						Total initial planting and 10 year maintenance:-	2027864
						Added Departmental Charges @17.5%	354771
						Contingency Charges @5%	101363
						Grand Total	2483398

5. **Technical Details:-**

i) **General Details:-** An area of 10.03 hec. will be taken up for planting under compensatory scheme in Mukat Kehat ever in Khata No. 474, which is a non-forest land. The area will be protected by Barbed wire fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hec @ 1100 plants per hec. (Mixture of plant shrubs and grasses).

ii) **Spacement:-** 3mtr x 3mtr.

iii) **Species:-** Pine, Robinia, Shisham, Deodar etc.

iv) **Plantation Method:-** Nursery grown one year old plants (in Polythene bags as well as naked root) will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Bush cutting will be

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done in the infected area. The plantation will be maintained for subsequent 10 years in which beater up of failures will be done. The plantation will be rain fed.

vi) **Soil and Moisture Conservation Works** - Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vii) **Protection (Fencing, Watch man, People's Participation etc.)** - Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.

viii) **Proposed Monitoring Mechanism** - The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from NH – 21 from Kasrog.

ix) **Any other information** - Nil

Date: 04/10/2020

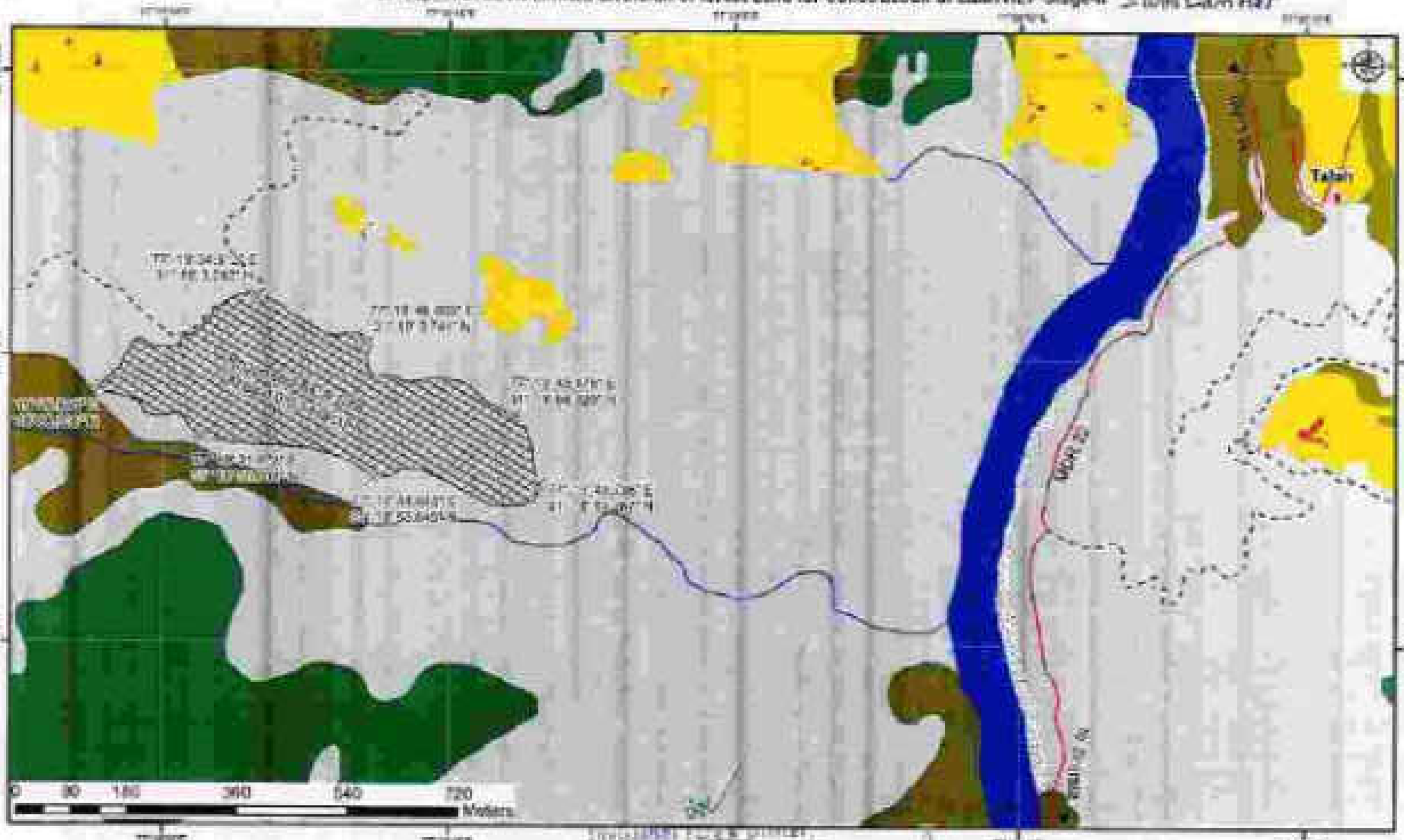
Place: Kasrog

[Sh. R.K. Sharma] IFS
Divisional Forest Officer
Kasrog Forest Divn, Kasrog

Attested
Chief Conservator of Forests (T)
Forest Circle, Kasrog (H.P.)

Digital Land Use Map of Compensatory Afforestation Site at Kehat (Area 10.03 Hact) Forest Range Seeri,Karsog,District Mandi, HP

In respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-II (Luhri Dam HP)



Legend

- Proposed FCA Site (10.03 Hact)
- Existing Road
- Footpath
- Bushup
- Agricultural Land
- Plantation
- Green Cover
- Hill
- Open Land/Waste Land
- Drainage
- Dry River Bed

Er. R.L. Negi
Coordinator of Project

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CHECK LIST NO. 18

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

File No.:-FP/HP/HYD/3101/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 397.1892 ha. (Karsog Division = 200.4349ha., Shimla Division = 159.3454 ha. & Kotgarh Division = 37.3459 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Sutluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land-Mahal Khamerla over in Khasra No. 1431/134 =3.23 ha.

Distt. Mandi. Tehsil Karsog. Village Khamerla

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.H&F7

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) If CA site is other than the land bank, reasons be given: **Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **Adjoining the boundary of 0-212 Sihanj Forest.**

iv) Soil type: Sandy loams

v) Topography:

(a) Hilly/undulation/Plain: Hilly

(b) Slope : Steep/ Medium/ Gentle : **Medium to Gentle**

vi) Whether the area is bearing any root stock of vegetation: **No tree species exist in the area expect for some bushes stuff.**

3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 3.23 ha. (Non-Forest land over in Khasra No. 1434/134 in Mutual Khamarki	3.23	2020-21	95400	10%	104540	338955
2	1st year maintenance	3.23	2021-22	16140	20%	16980	54845
3	2nd year maintenance	3.23	2022-23	9560	30%	12350	39891
4	3rd year maintenance	3.23	2023-24	9550	40%	5750	23952
5	4th year maintenance	3.23	2024-25	4450	50%	7225	23337
6	5th year maintenance	3.23	2025-26	4450	60%	7760	25069
7	6th year maintenance	3.23	2026-27	4450	70%	8245	26631
8	7th year maintenance	3.23	2027-28	4450	80%	8750	28124
9	8th year maintenance	3.23	2028-29	4450	90%	9215	29761
10	9th year maintenance	3.23	2029-30	4450	100%	9700	31331
11	10th year maintenance	3.23	2030-31	4450	110%	10135	32734
						Total initial planting and 10 year maintenance:-	652548
						Added Departmental Charges @17.5%	114246
						Contigency Charges @5%	32562
						Grand Total	799336

5. **Technical Details:-**

i) **General Details:-** An area of 3.23 hac. will be taken up for planting under compensatory scheme in Mutual Khamarki over in Khasra No. 1434/134, which is a non-forest land. The area will be protected by Barbed wire fencing and a mixture of Conifer and B/L species will be planted. 1300 plants will be planted in all in 1.00 hec @ 1300 plants per hec. (Mixture of plant shrubs and grasses).

ii) **Spacement:-** 3mtr x 3mtr.

iii) **Species:-** Pine, Robinia, Shisham, Deodar etc.

iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as naked roots will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Basil cutting will be done in the infected area. The plantation will be maintained for subsequent 10 years in which casting up of failures will be done. The plantation will be maintained.

v) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is

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improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vii) **Protection (Fencing, Watch men, 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.

viii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GO representatives as per instructions. The plantation site will be approachable from NH – 21 from Karsog.

viii) Any other information:- Nil

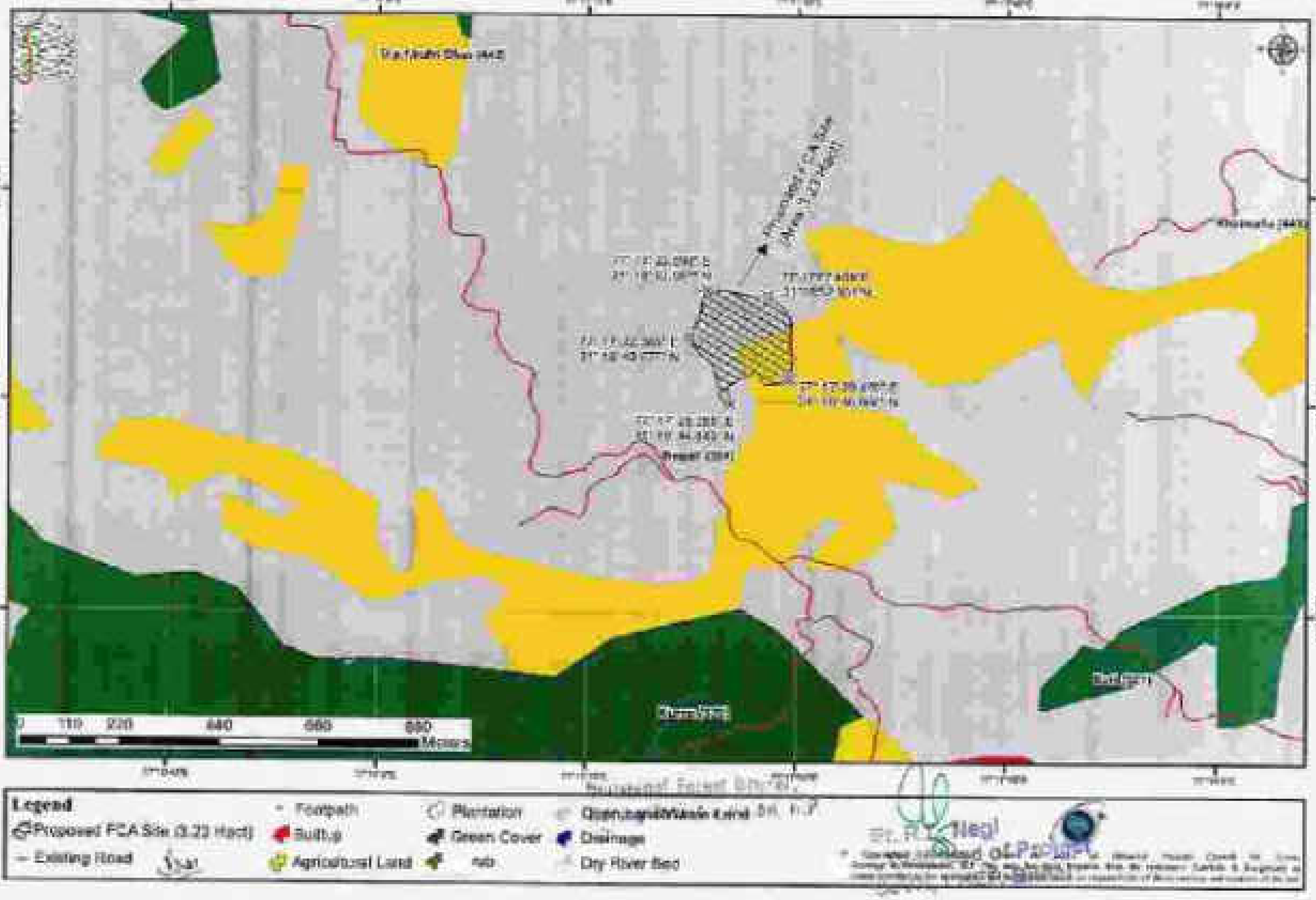
Date: 8/4/2022

Place: Karsog

(Sh. R.K. Sharma) HPFS
Divisional Forest Officer
Karsog Forest Divn, Karsog

Divisional Forest Officer (T)
Karsog Distt. Mandi (H.P.)

Digital Land Use Map of Compensatory Afforestation Site at Khamoria Khasra No. 1434/134 (Area 3.23 Hacb Forest Range Seori,Kamrag,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III - Sonai Dehri SF



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CHECK LIST NO. 15

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

File No.:-FP/HP/HEP/03/2019/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha. (Karsog Division = 200.4349ha., Shimla Division = 158.3464 ha. &Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Setluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Muhal Khamarla over in Khasra No. 1452/1 =15.37 ha.

Distt. Mandi. Tehsil Karsog. Village Khamarla

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.H43F7

2. **Description of area**

i) **Whether the site selected for Compensatory Afforestation is a land bank or not: Not**

ii) **If CA site is other than the land bank, reasons be given: Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary; **Adjoining the boundary of B-212 Sihanj, 213 Mhart Nai & 217 Sanach Forests.**

iv) Soil type: Sandy loam

v) Topography:

[a] Hilly/undulation/Plain: **Hilly**

[b] Slope : Steep/ Medium/ Gentle) **Medium to Gentle**

vi) **Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes stuff.**

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3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 15.37 ha. (Non-Forest land over in Khasra No. 1452/1 in Mukul Khamaria)	15.37	2020-21	95600	10%	104940	1612918
2	1st year maintenance	15.37	2021-22	14750	20%	16980	260983
3	2nd year maintenance	15.37	2022-23	9500	30%	12350	189810
4	3rd year maintenance	15.37	2023-24	4850	40%	6790	104352
5	4th year maintenance	15.37	2024-25	4850	50%	7275	111818
6	5th year maintenance	15.37	2025-26	4850	60%	7760	119271
7	6th year maintenance	15.37	2026-27	4850	70%	8245	126726
8	7th year maintenance	15.37	2027-28	4850	80%	8730	134180
9	8th year maintenance	15.37	2028-29	4850	90%	9215	141635
10	9th year maintenance	15.37	2029-30	4850	100%	9700	149089
11	10th year maintenance	15.37	2030-31	4850	110%	10185	156543
						Total initial planting and 10 year maintenance:-	3180585
						Added Departmental Charges @17.5%	563652
						Contigency Charges @5%	155329
						Grand Total	3899566

5. **Technical Details:-**

i) **General Details:-** An area of 15.37 hac. will be taken up for planting under compensatory scheme in Mukul Khamaria over in Khasra No. 1452/1 which is a non-forest land. The area will be protected by Barbed wire be fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hec. (Mixture of plant shrubs and grasses).

ii) **Spacements:-** 3mtr. x 3mtr.

iii) **Species:-** Pine, Robinia, Shisham, Bamboo etc.

iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as naked root will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Such cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which heavy up of failures will be done. The plantation will be rain fed.

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vi) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor soil conservation works like gully plugging, check walls will be done wherever required.

vii) **Protection (Fencing, Watch man, People's Participation etc.)** - Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.

viii) **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 site will be approachable from NH – 21 from Kareng.

ix) Any other information:- Nil

Date: 04/05/2020

Place: Kareng

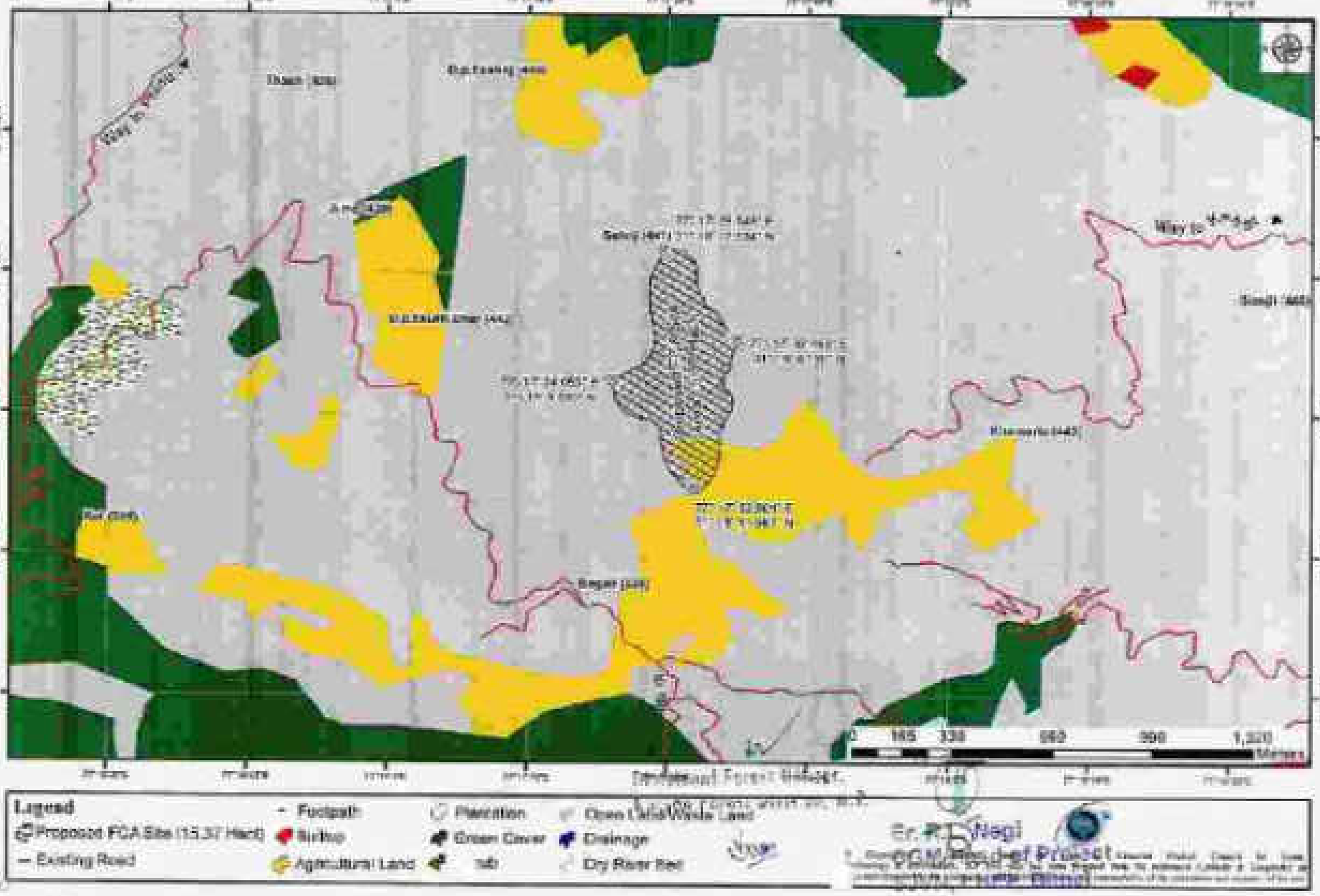
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[Sh. R.K. Sharma] HFS
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Digital Land Use Map of Compensatory Afforestation Site at Khamoria Khasra No. 1452/1 (Area 15.37 Hect) Forest Range Seori,Karsog,District Mandi, HP
In respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III Seori Dam 1.5 KM



Dr. R.L. Negi
PCCF Incharge Project

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CHECK LIST NO. 18

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

File No.:-FP/HP/HY D/31819/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.3692 ha. (Karsog Division = 200.4349ha., Shimla Division = 159.3484 ha. & Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Mukhal Khamaria over in Khasra No. 783 =14.2/1 ha.

Distt. Mandi. Tehsil Karsog. Village Khamaria

Name of Forest Division:- Karsog Range: Sesi

Block/ Compartment/ Survey No.1483/7

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) If CA site is other than the land bank, reasons be given. **Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary. **Adjoining the boundary of B-212 Silhanj, 223 Nihori Nal & 217 Sanach Forests.**

iv) Soil type: **Sandy loam**

v) Topography:

(a) Hilly/undulation/Plain: **Hilly**

(b) Slope: Steep/ Medium/ Gentle: **Medium to Gentle**

VII Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes stuff.

3. Plantation Model:-

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

4. Schedule of Plantation Programme:-

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 14.24 ha. (Non-Forest land over in Khasra No. 765 in Mukul Khamaria)	14.24	2020-21	954(X)	10%	1049(X)	14941(X)
2	1st year maintenance	14.24	2021-22	14150	20%	16980	241755
3	2nd year maintenance	14.24	2022-23	15681	30%	17350	175354
4	3rd year maintenance	14.24	2023-24	4850	40%	6790	96650
5	4th year maintenance	14.24	2024-25	4850	50%	7225	102884
6	5th year maintenance	14.24	2025-26	4850	60%	7760	110502
7	6th year maintenance	14.24	2026-27	4850	70%	8245	117409
8	7th year maintenance	14.24	2027-28	4850	80%	8730	124315
9	8th year maintenance	14.24	2028-29	4850	90%	9215	131222
10	9th year maintenance	14.24	2029-30	4850	100%	9700	138128
11	10th year maintenance	14.24	2030-31	4850	110%	10185	145034
						Total initial planting and 10 year maintenance:-	1270189
						Added Departmental Charges @17.5%	222283
						Contigency Charges @5%	149689
						Grand Total	1642161

5. Technical Details:-

i) General Details:- An area of 14.24 hec. will be taken up for planting under compensatory scheme in Mukul Khamaria over in Khasra No. 765, which is a non-forest land. The area will be protected by Barbed wire by fencing and a mixture of Cooller and B/L species will be planted. 1400 plants will be planted in all in 1.00 ha @ 1150 plants per hec. [Mixture of plain shrubs and grasses].

ii) Spacement :- 3m x 2m.

iii) Species:- Plan, Nobinia, Shisham, Deora etc.

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iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as naked root will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Bush cutting will be done in the intended area. The plantation will be maintained for subsequent 10 years in which beater up of failures will be done. The plantation will be rain fed.

v) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vi) **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.

vii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be inspected by GOI representatives as per instructions. The plantation site will be approachable from NH – 33 from Ranchi.

viii) Any other information:- Nil

Date: 09/03/2020

Place: Ranchi

(Sh. R.K. Sharma) HFFS
Divisional Forest Officer
Ranchi Forest Divn, Ranchi

(Dy. Conservator of Forests (T))
Head Quarter, Ranchi (JHK)

Annexure

Digital Land Use Map of Compensatory Afforestation Site at Khamarla Khasra No. 753 (Area 14.24 Hect) Forest Range Saini,Karsog,District Mandi, HP
In respect of SJVN Limited diversion of forest Land for Construction of Sainj HEP Stage-II

Sainj Dam HEP

77° 17' 55.44" E
31° 19' 8.43" N

77° 17' 49.02" E
31° 19' 3.68" N

77° 18' 3.48" E
31° 19' 3.93" N

77° 18' 12.35" E
31° 19' 2.53" N

77° 17' 52.70" E
31° 18' 53.45" N

77° 18' 1.62" E
31° 18' 55.10" N

Shaul Dip

Dhaul Dip

0 137.5 275 550 825 1,100
Meters

Legend

- Proposed FCA Site (14.24 Hect)
- Existing Road
- Footpath
- Bushes
- Agricultural Land
- Plantation
- Green Cover
- Shrub
- Cloth Land/Waste Land
- Drainage
- Dry River Bed

Er. R.L. Negi
Head of Project
SJVN LHEP-Sainj

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CHECK LIST NO. 15

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

File No.:-FP/HP/MVD/6603/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha. [Karsog Division = 200.4349ha., Shimla Division = 159.3484 ha. Arkotgarh Division = 37.3859 ha.] forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Sutluj River within jurisdiction of Karsog, Shimla &Arkotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Mahal Tundal over in Khasra No. 774/676 =8.25 ha.

Distt. Mandi, Tehsil Karsog, Village Tundal

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.**NESF**

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) **If CA site is other than the land bank, reasons be given: Reference has been given to non-forest land as per the latest instructions of MoEFC for making Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **Adjoining the boundary of D-223 Tundal Galli Forest.**

iv) Soil type: Sandy loam

v) **Topography:**

(a) Hilly/undulation/Plain: **Hilly**

(b) Slope : Steep/ Medium/ Gentle **Medium to Gentle**

vi) Whether the area is bearing any root stock of vegetation: **No tree species exist in the area expect for some bushes stuff.**

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3. Plantation Model:-

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

4. Schedule of Plantation Programme:-

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost stabilization	Rate after applying cost of stabilization	Amount
1	New plantation over in area of 8.25 ha Non-Forest land over in khasra No. 774/676 in Mukal Tondali	8.25	2020-21	35490	10%	304540	865735
2	1st year maintenance	8.25	2021-22	14150	20%	16980	140085
3	2nd year maintenance	8.25	2022-23	9500	30%	11350	101588
4	3rd year maintenance	8.25	2023-24	4850	40%	6790	56018
5	4th year maintenance	8.25	2024-25	4850	50%	7275	59606
6	5th year maintenance	8.25	2025-26	4850	60%	7760	64030
7	6th year maintenance	8.25	2026-27	4850	70%	8245	68021
8	7th year maintenance	8.25	2027-28	4850	80%	8730	72029
9	8th year maintenance	8.25	2028-29	4850	90%	9215	76024
10	9th year maintenance	8.25	2029-30	4850	100%	9700	80035
11	10th year maintenance	8.25	2030-31	4850	110%	10185	84030
						Total initial planting and 10 year maintenance:-	1667451
						Added Departmental Charges @17.5%	291551
						Contigency Charges @5%	83375
						Grand Total	2042377

5. Technical Details:-

i) General Details:- An area of 8.25 hec. will be taken up for planting under compensatory scheme in Mukal Tondali over in khasra No. 774/676, which is a non-forest land. The area will be protected by barbed wire by fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hec @ 1100 plants per hec. (Mixture of plans shrubs and grasses).

ii) Spacement:- 3mtr x 3mtr.

iii) Species:- Pine, Rohinia, Shisham, Banso etc.

iv) Plantation Methods:- Nursery grown one year old plants (in Polythene bags as well as naked roots) will be planted in 30x30x30cm and 45x45x45cm 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 beater up of failures will be done. The plantation will be rain fed.

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v] Soil and Moisture Conservation Works:- Contour benching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vi) Protection (Fencing, Watch man, People's Participation etc.):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.

vii) Proposed Monitoring Mechanism:- The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from NH – 21 from Karsog.

viii) Any other information:- Nil

Date: 8-4-2015

Place: Karsog

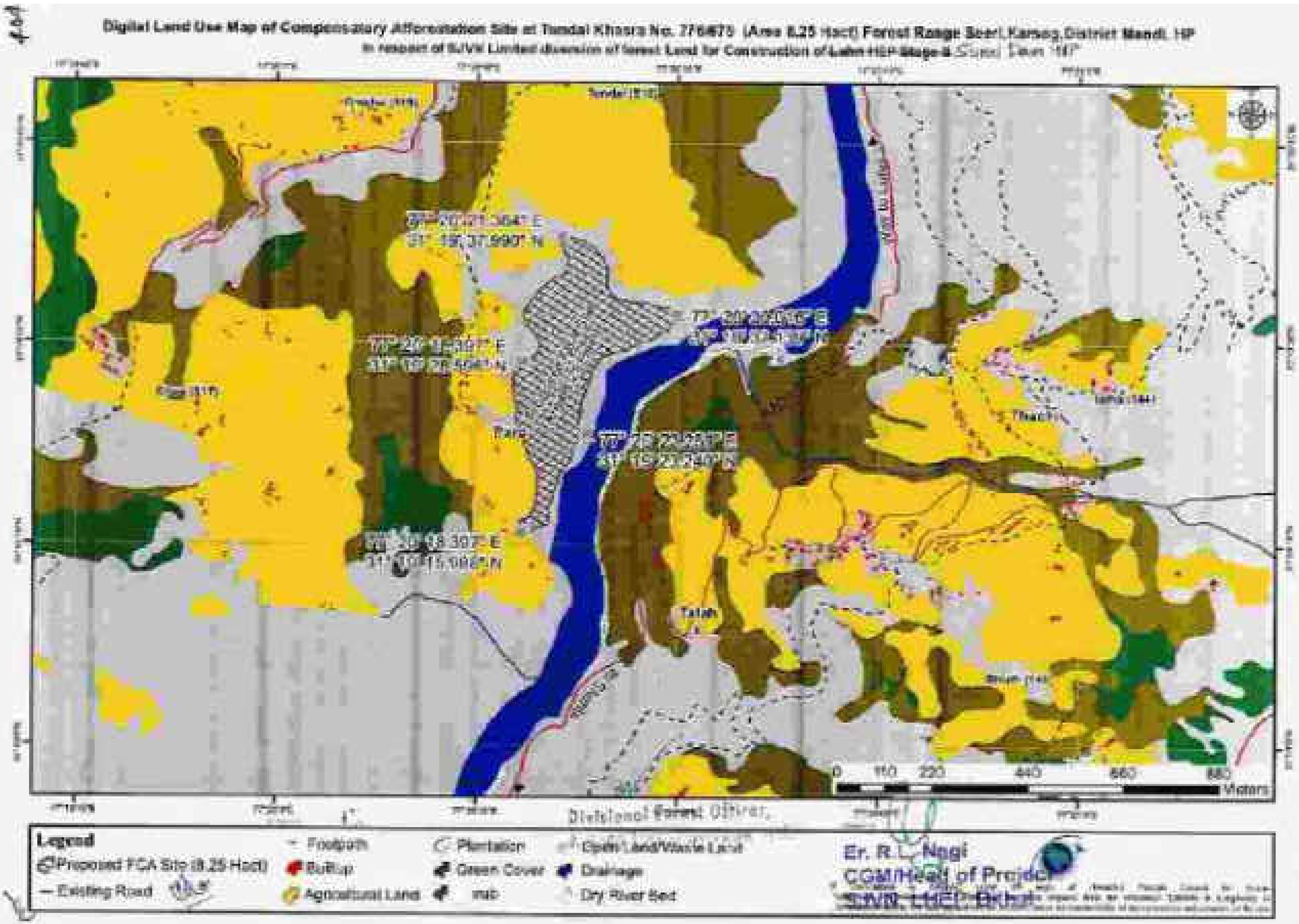
(Sh. R.K. Sharma) HFS
Divisional Forest Officer
Karsog Forest Divn, Karsog

Addl. Chief Conservator of Forests (T)
Forest Circle, Mandi (H.P.)

Annx-II

Digital Land Use Map of Compensatory Afforestation Site at Tandai Khasra No. 776/675 (Area 8.25 Hect) Forest Range Seer Kamag, District Mandi, HP

In respect of SJVNL Limited diversion of forest Land for Construction of Luhri HEP Stage-II Sutlej River, HP



Divisional Forest Officer,

Legend

- Proposed FCA Site (8.25 Hect)
- Existing Road
- Footpath
- BuiltUp
- Agricultural Land
- Plantation
- Green Cover
- Mud
- Open Land/Waste Land
- Drainage
- Dry River Bed

Er. R. L. Negi
CGM/Head of Project
SJVNL Ltd. Shimla

PDF Compressor Free Version

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CHECK LIST NO. 18

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

File No.:- FP/HP/HEY/D/3019/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha. (Karsog Division = 200.4845 ha., Shimla Division = 159.1484 ha. &Kotgarh Division = 37.1363 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of deglaced forest land/ non-forest land:-Mohal Tundal over in Khasra No. 763 =5.59 ha.

Distt. Mandi. Tehsil Karsog. Village Tundal

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.H63F7

2. Description of area

i) Whether the site selected for Compensatory Afforestation is a land bank or not: Not

ii) If CA site is other than the land bank, reasons be given Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: Adjoining the boundary of D-223 Tundal Kath Forest.

iv) Soil type: Sandy loam

v) Topography:

(a) Hilly/undulation/Plain: Hilly

(b) Slope Steep/ Medium/ Gentle : Medium to Gentle

vi) Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes shrub.

3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hac.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 5.58 ha. (Non-Forest land over in Khasra no. 762 in Mohal Tundali	5.58	2020-21	95400	10%	104940	585565
2	1st year maintenance	5.58	2021-22	34150	20%	40980	84748
3	2nd year maintenance	5.58	2022-23	9500	30%	12350	68918
4	3rd year maintenance	5.58	2023-24	4850	40%	6790	37886
5	4th year maintenance	5.58	2024-25	4850	50%	7275	40596
6	5th year maintenance	5.58	2025-26	4850	60%	7760	43306
7	6th year maintenance	5.58	2026-27	4850	70%	8245	46007
8	7th year maintenance	5.58	2027-28	4850	80%	8730	48718
9	8th year maintenance	5.58	2028-29	4850	90%	9215	51429
10	9th year maintenance	5.58	2029-30	4850	100%	9700	54126
11	10th year maintenance	5.58	2030-31	4850	110%	10185	56852
						Total (Initial planting and 10 year maintenance:-	1328629
						Added Departmental Charges @17.5%	197370
						Contigency Charges @5%	56591
						Grand Total	1582590

5. **Technical Details:-**

i) **General Details:-** An area of 5.58 hac. will be takes up for planing under compensatory scheme in Mohal Tundali over in Khasra No. 762, which is a non-forest land. The area will be protected by Barbed wire cp fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hac. (Mixture of plant shrubs and grasses).

ii) **Spacement:-** 3mtr x 3mtr.

iii) **Species:-** Pinus, Robinia, Shisham, Dalbergia etc.

iv) **Plantation Method:-** Nursery grown one year old plants (in Polythene bags as well as naked root) will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Basin cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beat-up of failures will be done. The plantation will be coppiced.

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v) **Soil and Moisture Conservation Work:** - Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

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

vii) **Proposed Monitoring Mechanism:** - The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GB representatives as per instructions. The plantation site will be approachable from NH – 21 from Karsog.

viii) **Any other information:** - Nil

Date: 4.4.2013

Place: Karsog

(Sh. R.K. Sharma) HPFS
Divisional Forest Officer
Karsog Forest Divn, Karsog

Divisional Forest Officer
Karsog Forest Divn, Karsog (HP)

Digital Land Use Map of Compensatory Afforestation Site at Tundal Khasra No. 762 (Area 5.58 Hect) Forest Range Seori,Karsog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-II (Proj. Distt. Shimla)

77° 20' 5.707" E
31° 19' 14.626" N

77° 20' 13.238" E
31° 19' 18.522" N

77° 20' 7.130" E
31° 19' 10.430" N

77° 20' 18.160" E
31° 19' 6.945" N

Pura

Talish

0 87.5 175 350 525 700
Meters

Legend

- Proposed FCA Site (5.58 Hect)
- Existing Road
- Footpath
- Builtup
- Agricultural Land
- Plantation
- Green Cover
- Drainage
- Dry River Bed

Er. R.L. Negi
CGM/Head of Proj.
SJVN LHEP-II, Shimla

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CHECK LIST NO. 13

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

File No.: FP/HP/HY/B/31019/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha (Karsog Division = 200.4349ha., Shimla Division = 159.3484 ha. &Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land-Mutual Tundal ever in Khasra No. 776/633 =5.82 ha.

Distt- Mandi. Tehsil Karsog, Village Tundal

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.14357

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) If CA site is other than the land bank, reasons to be given: **Reference has been given to nonforest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **Adjoining the boundary of D-228 Tundal Bath Forest.**

iv) Soil type: **Sandy loam**

v) Topography:

(a) Hills/undulation/Plain: **Hilly**

(b) Slope : Steep/ Medium/ Gentle : **Medium to Gentle**

vi) Whether the area is bearing any root stock of vegetation: **No tree species exist in the area expect for some bushes stuff.**

PDF Compressor Free Version

3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 5.82 ha. (Non-Forest land over in Khasra No. 776/633 in Mahal Tundali	5.82	2020-21	95480	10%	104940	610751
2	1st year maintenance	5.82	2021-22	14150	20%	15330	89234
3	2nd year maintenance	5.82	2022-23	9500	30%	12350	71877
4	3rd year maintenance	5.82	2023-24	4850	40%	6790	39518
5	4th year maintenance	5.82	2024-25	4850	50%	7325	42630
6	5th year maintenance	5.82	2025-26	4850	60%	7760	45169
7	6th year maintenance	5.82	2026-27	4850	70%	8245	47988
8	7th year maintenance	5.82	2027-28	4850	80%	8730	50809
9	8th year maintenance	5.82	2028-29	4850	90%	9215	53630
10	9th year maintenance	5.82	2029-30	4850	100%	9700	56454
11	10th year maintenance	5.82	2030-31	4850	117%	10185	59277
						Total initial planting and 10 year maintenance:-	1176340
						Added Departmental Charges @17.5%	205859
						Contigency Charges @5%	58837
						Grand Total	1441036

5. **Technical Details:-**

i) **General Details:-** An area of 5.82 hec will be taken up for planting under compensatory scheme in Mahal Tundali over in Khasra No. 776/633, which is a non forest land. The area will be protected by Barbed wire be fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hec. (Mixture of plant shrubs and grasses).

ii) **Species:-** Sindoa Jinar.

iii) **Species:-** Pine, Robinia, Shisham, Deodar etc.

iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as naked root) will be planted in 30x30x30cm and 45x45x45cm 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 beater up of failures will be done. The plantation will be rainfed

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vi) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vii) **Protection (Fencing, Watch man, People's Participation etc.):-** Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be assured through regular departmental staff.

viii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from NH – 21 from Kanpur.

ix) Any other information:- Nil

Date: 8.4.2019

Place: Kanpur

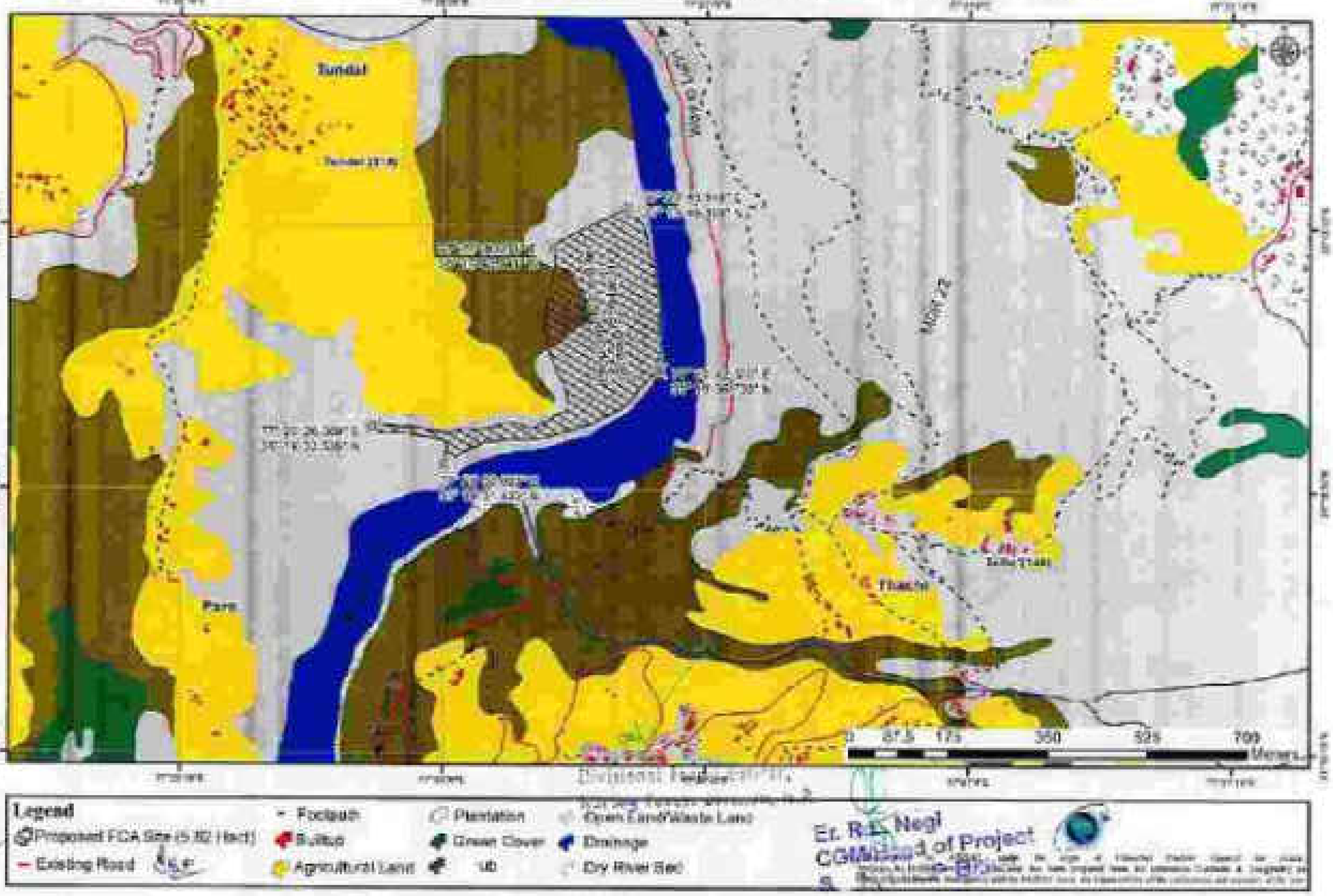
(Sh. R.K. Sharma) IFFS
Divisional Forest Officer
Kanpur Forest Division, Kanpur

Approved

(Dr. [illegible])
Divisional Forest Officer
Kanpur Forest Division, Kanpur

Digital Land Use Map of Compensatory Afforestation Site at Tundal Khasra No. 776/633 (Area 5.82 Hect) Forest Range Seori Kamrog,District Mandi, HP

in respect of S.J.V.N Limited diversion of forest land for Construction of Luhri HEP-Stage-II- Satluj Jal Vidyut Nigam Limited



Legend

- Proposed FCA Site (5.82 Hect)
- Existing Road
- Footpath
- Built-up
- Agricultural Land
- Plantation
- Green Clover
- HD
- Open Land/Waste Land
- Drainage
- Dry River Bed

Er. R.L. Negi
CGM(Head of Project)

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CHECK LIST NO. 15

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

File No.-FP(HP/KYD)0103/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 397.1692 ha. (Karsog Division = 200.4349ha., Shimla Division = 159.3484 ha. &Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land: Mahal Shanog/596 in Khasra No. 385 =7.20 ha.

Distt. Mandi. Tehsil Karsog, Village Shanog

Name of Forest Division:- Karsog Range: Seri

Block/ Compartment/ Survey No.H43F7

2. Description of area

I) Whether the site selected for Compensatory Afforestation is a land bank or not: Not

II) If CA site is other than the land bank, reasons be given: Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.

III) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: Adjoining the boundary of D- 250 Bagladhar Forest.

IV) Soil type: Sandy loam

V) Topography:

(a) Hilly/undulation/Plain: Hilly

(b) Slope : Steep/ Medium/ Gentle : Medium to Gentle

VI) Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes stuff.

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3. Plantation Model:-

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

4. Schedule of Plantation Programme:-

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 7.20 ha. (Non-Forest land over in Khasra No.385 in Mutual Sharing/SW)	7.20	2020-21	95400	10%	104940	755568
2	1st year maintenance	7.20	2021-22	11150	20%	16380	122256
3	2nd year maintenance	7.20	2022-23	9500	30%	12350	88920
4	3rd year maintenance	7.20	2023-24	4850	40%	5730	41328
5	4th year maintenance	7.20	2024-25	4650	50%	7225	52020
6	5th year maintenance	7.20	2025-26	4850	60%	7760	55872
7	6th year maintenance	7.20	2026-27	4650	70%	8245	59364
8	7th year maintenance	7.20	2027-28	4850	80%	8730	62856
9	8th year maintenance	7.20	2028-29	4850	90%	9215	66348
10	9th year maintenance	7.20	2029-30	4850	100%	9700	69840
11	10th year maintenance	7.20	2030-31	4850	110%	10185	73332
						Total initial planting and 10 year maintenance:-	1465284
						Added Departmental Charges @17.5%	256424
						Contigency Charges @5%	73363
						Grand Total:-	1795071

5. Technical Details:-

i) **General Details:-** An area of 7.20 hec. will be taken up for planting under compensatory scheme in Mutal Sharing over in Khasra No. 385, which is a non-forest land. The area will be protected by Barbed wire be fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hec @ 1100 plants per hec. (Mixture of plant shrubs and grasses).

ii) **Spacements:-** 3mtr x 3mtr.

iii **Species:-** Pine, Robinia, Shisham, Bamboo etc.

iv) **Plantation Method:-** Nursery grown one year old plants (in Polythene bags as well as naked roots) will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Each cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beater up of failures will be done. The plantation will be cultivated.

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v) **Soil and Moisture Conservation Works:-** Contour trenching wil be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

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

vii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GB representatives as per instructions. The plantation site will be approachable from NH – 21 from Kalpa.

viii) Any other information :- Nil

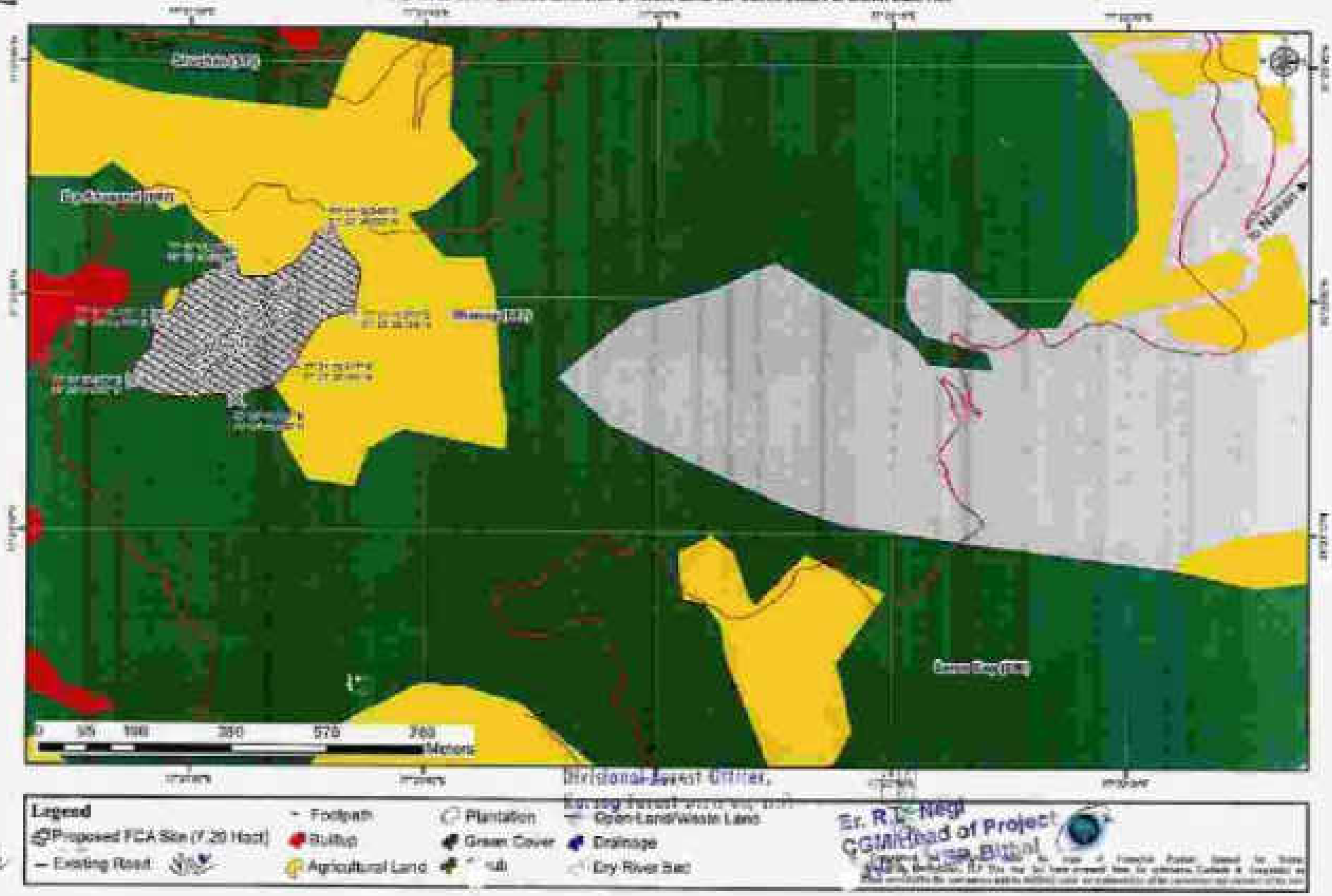
Date: 04/01/19

Place: Kalpa

(Sh. R.K. Sharma) HPFS
Divisional Forest Officer
Kalpa Forest Divn. Kalpa

Chief Conservator of Forests (T)
Tribal Circle, Kalpa

Digital Land Use Map of Compensatory Afforestation Site at Shatog Khasra No. 383 (Area 7.20 Hect) Forest Range Seori,Karsog,District Mandi, HP
In respect of SJVN Limited diversion of forest Land for Construction of Sunni Dam HEP



Legend
- Proposed FCA Site (7.20 Hect)
- Existing Road
- Footpath
- Rooftop
- Agricultural Land
- Plantation
- Green Cover
- Open Land/Waste Land
- Drainage
- Dry River Bed

Divisional Forest Officer,
Karsog Forest Division,

Er. R.L. Negi
CGM/Head of Project
Sunni Dam HEP

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CHECK LIST NO. 15

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

File No:-FP/HP/MVID/1019/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha. (Karsog Division = 200.4349ha, Shimla Division = 159.3484 ha. &Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Mahal Tebban over in Khasra No. 1674/3580 =11.00 ha.

Distt. Mandi. Tehsil Karsog, Village Tebban

Name of Forest Division: Karsog Range: Seri

Block/ Compartment/ Survey No.Hissy

2. Description of area

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) If CA site is other than the land bank, reasons be given: **Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **Adjoining the boundary of D- 245 Hrago Forest.**

iv) Soil type: Sandy loam

v) Topography:

(a) Hilly/undulation/Plain: **Hilly**

(b) Slope : Steep/ Medium/ Gentle : **Medium to Gentle**

vi) Whether the area is bearing any root stock of vegetation: **No tree species exist in the area expect for some bushes stuff.**

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3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per ha.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 11.08 ha. (Non- Forest land over in Khasra No.1674/1580 in Mouhal Tehbari)	11.08	2020-21	9400	10%	10340	114725
2	1st year maintenance	11.08	2021-22	14150	20%	16980	188138
3	2nd year maintenance	11.08	2022-23	9400	30%	12350	136838
4	3rd year maintenance	11.08	2023-24	4850	40%	6790	75233
5	4th year maintenance	11.08	2024-25	4850	50%	7225	80053
6	5th year maintenance	11.08	2025-26	4850	60%	7760	85981
7	6th year maintenance	11.08	2026-27	4850	70%	8245	91355
8	7th year maintenance	11.08	2027-28	4850	80%	8730	96728
9	8th year maintenance	11.08	2028-29	4850	90%	9215	102102
10	9th year maintenance	11.08	2029-30	4850	100%	9700	107476
11	10th year maintenance	11.08	2030-31	4850	110%	10185	112850
						Total initial planting and 10 year maintenance:-	1239488
						Addal Departmental Charges @17.5%	338911
						Contigency Charges @5%	111974
						Grand Total	1742374

5. **Technical Details:-**

i) **General Details:-** An area of 11.08 hac will be taken up for planting under compensatory scheme in Mouhal Tehbari over in Khasra No 1674/1580, which is a non-forest land. The area will be protected by Barbed wire be fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hec (Mixture of plain shrubs and grasses).

ii) **Spacement:-** 3mtr x 3mtr.

iii) **Species:- Pine, Robinia, Shisham, Bamboo etc.**

iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as naked root) will be planted in 30x30x30cm and 45x45x45cm 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 beater up of failures will be done. The plantation will be ridge fec.

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vi) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

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

viii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GKH representatives as per instructions. The plantation site will be approachable from NH – 21 from Kalaig.

ix) **Any other information:-** Nil

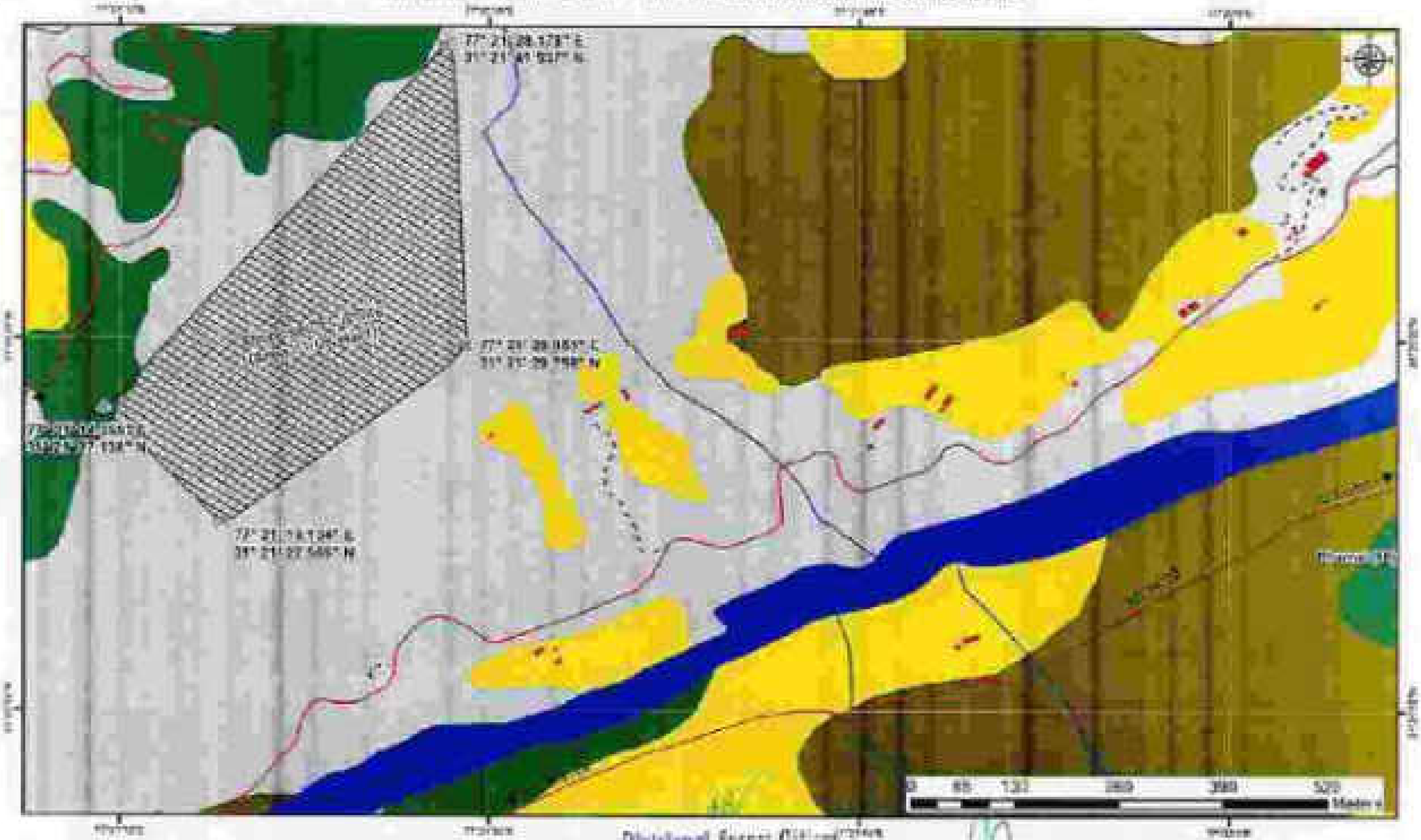
Date: 6.11.2019

Place: Kalaig

(Sh. R.K. Sharma) HPFS
Divisional Forest Officer
Kalaig Forest Divn, Kalaig

Divisional Forest Officer (T)
Kalaig Forest Division

Digital Land Use Map of Compensatory Afforestation Site at Teban Khasra No. 1674/1550 (Area 11.08 Hect) Forest Range Seer/Karsog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Sainj Extn HEP



Legend
- Proposed FCA Site (11.08 Hect)
- Existing Road
- Footpath
- Sukhsi
- Agricultural Land
- Plantation
- Green Cover
- Drainage
- Dry River Bed
- Bridge

Er. R.L. Negi
CGM/Head of Project
SJVN LTHEP Sainj

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CHECK LIST NO. 15

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

File No.:-FPH/HP/015/ENQ/1019/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1692 ha. (Karsog Division = 200.4349 ha., Shimla Division = 159.3404 ha. & Kotgarh Division = 37.3839 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Muhal Nani over in Khasra No. 600 =6.79 ha.

Distt. Mandi. Tehsil Karsog. Village Nanj

Name of Forest Division:- Karsog Range: Sesi

Block/ Compartment/ Survey No.H43F7

2. Description of area

i) Whether the site selected for Compensatory Afforestation is a land bank or not: Not

ii) If CA site is other than the land bank, reasons to be given: Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: Adjoining the boundary of D-222 Pog Forest.

iv) Soil type: Sandy loam

v) Topography:

[a] Hilly/undulation/Plain: Hilly

[b] Slope : Steep/ Medium/ Gentle : Medium to Gentle

vi) Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes stuff.

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3. Plantation Model:-

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

4. Schedule of Plantation Programme:-

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hac.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 6.79 ha. (Non-Forest land over in Khasra No.[illegible] in Mohal Nanji	6.79	2020-21	39430	10%	104340	712543
2	1st year maintenance	6.79	2021-22	14150	20%	16980	115204
3	2nd year maintenance	6.79	2022-23	9580	30%	12750	83857
4	3rd year maintenance	6.79	2023-24	4850	40%	6790	46104
5	4th year maintenance	6.79	2024-25	4850	50%	7275	49058
6	5th year maintenance	6.79	2025-26	4850	60%	7760	52890
7	6th year maintenance	6.79	2026-27	4850	70%	8245	55984
8	7th year maintenance	6.79	2027-28	4850	80%	8730	59277
9	8th year maintenance	6.79	2028-29	4850	90%	9215	62570
10	9th year maintenance	6.79	2029-30	4850	100%	9700	65863
11	10th year maintenance	6.79	2030-31	4850	110%	10185	69156
						Total (Initial planting and 10 year maintenance)	1372396
						Added Departmental Charges @17.5%	240169
						Contigency Charges @5%	68620
						Grand Total	1681185

5. Technical Details:-

i) **General Details-** An area of 6.79 hac. will be taken up for planting under compensatory scheme in Mohal Nanji over in Khasra No. 500, which is a non-forest land. The area will be protected by Barbed wire fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hac (Mixture of plant shrubs and grasses).

ii) **Spacement** - 3mtr x 3mtr.

iii) **Species** - Pine, Robinia, Shisham, Deore etc.

iv) **Plantation Method:-** Nursery grown one year old plants (in Polythene bags as well as naked root) will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Both cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beater up of failures will be done. The plantation will be cultivated.

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v) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vi) **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.

vii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GO/ representatives as per instructions. The plantation site will be approachable from NH – 21 from Kansog.

viii) Any other information:- Nil

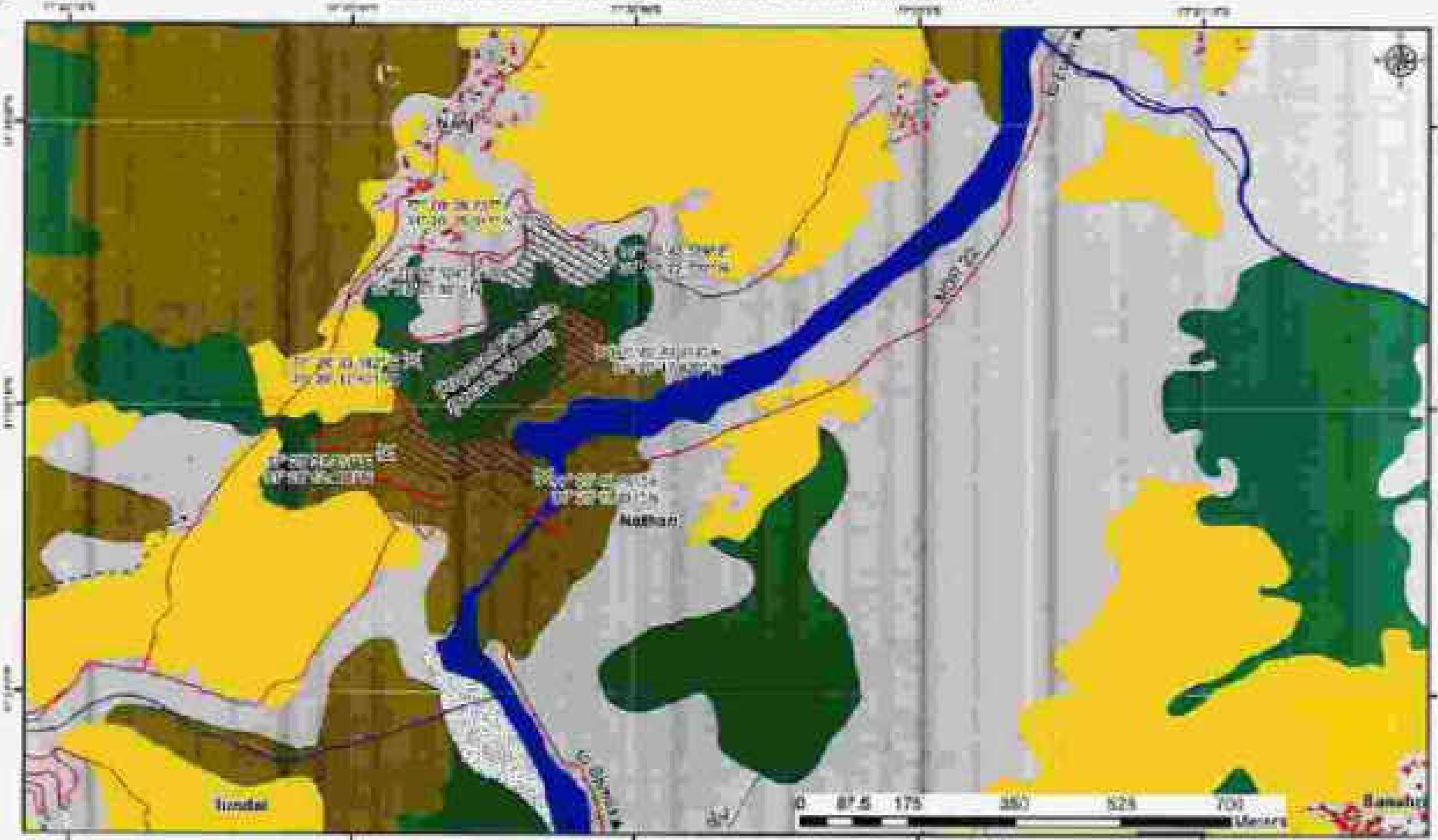
Date: 04/05/2020

Place: Kansog

[Sh. R.K. Sharma] HFFS
Divisional Forest Officer
Kansog Forest Divn, Kansog

Digital Land Use Map of Compensatory Afforestation Site at Nanj Khasra No. 620 (Area 6.73 Hect) Forest Range Seeri Karsog District Mandi, HP

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



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

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CHECK LIST NO. 18

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

File No.:-FP(HEP)/(IV Dt)1019/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.1682 ha. (Narkot Division = 200.4849 ha., Shimla Division = 159.3484 ha. &Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla & Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Muhal Purana over to Khasra No. 845/843/839 =7.61 ha.

Distt. Mandi, Tehsil Karsog, Village Purana

Name of Forest Division:- Karsog Range: Sari

Block/ Compartment/ Survey No.H43F7

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) **If CA site is other than the land bank, reasons be given: Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) **In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: Adjoining the boundary of D-220 Pure Forest**

iv) **Soil type:** Sandy loam

v) Topography:

(a) Hilly/undulation/Plain: Hilly

(b) Slope : Steep/ Medium/ Gentle : Medium to Gentle

vi) **Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes stuff.**

3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

Sl. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 4.61 ha. (Non-forest land over in Khasra No.845/343/839 in Mutial Purawal	4.61	2020-21	95400	10%	104940	483773
2	1st year maintenance	4.61	2021-22	14130	20%	16960	78229
3	2nd year maintenance	4.61	2022-23	9500	30%	12350	56954
4	3rd year maintenance	4.61	2023-24	4850	40%	6790	31302
5	4th year maintenance	4.61	2024-25	4850	50%	7225	33307
6	5th year maintenance	4.61	2025-26	4850	60%	7760	35774
7	6th year maintenance	4.61	2026-27	4850	70%	8245	38029
8	7th year maintenance	4.61	2027-28	4850	80%	8730	40255
9	8th year maintenance	4.61	2028-29	4850	90%	9215	42481
10	9th year maintenance	4.61	2029-30	4850	100%	9700	44717
11	10th year maintenance	4.61	2030-31	4850	130%	10835	46953
						Total Initial planting and 10 year maintenance:-	931773
						Added Departmental Charges @17.5%	163059
						Contigency Charges @5%	46589
						Grand Total	1141422

5. **Technical Details:-**

i) **General Details:-** An area of 4.61 hec. will be taken up for planting under compensatory scheme in Mutial Purawal-ow in Khasra No.845/343/839, which is a non-forest land. The area will be protected by Barbed wire be fencing and a mixture of Conifer and B/L species will be planted. 1800 plants will be planted in all in 1.00 hac @ 1160 plants per hec. (Mixture of plant, shrubs and grasses).

ii) **Site restoration:-** Bowl or Beds.

iii) **Species:-** Pine, Robinia, Shisham, Bamboo etc.

iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as rooted root will be planted in 30x30x30cm. and 45x45x45cm 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 beat-up of failures will be done. The plantation will be rain fed.

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v) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor soil conservation works like gully plugging, check walls will be done wherever required.

vi) **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.

vii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from NH–21 from Karsog.

viii) Any other information :- Nil

Date: 03/03/2020

Place: Karsog

[Sh. R.K. Sharma] HPFS
Divisional Forest Officer
Karsog Forest Divn. Karsog

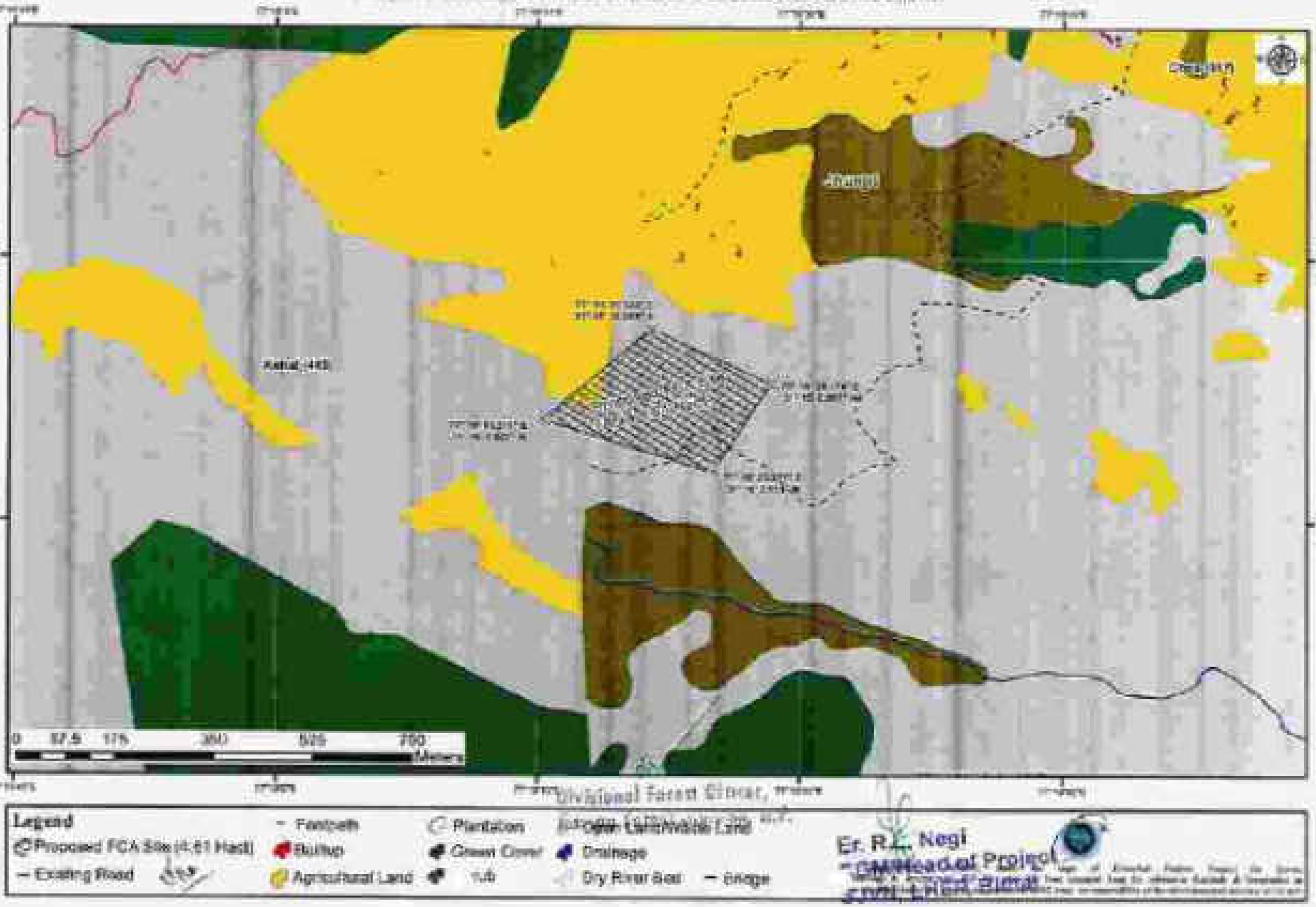
Approved

Chief Conservator of Forests (T)
Forest Circle, Mandi (HP)

Annx-8

Digital Land Use Map of Compensatory Afforestation Site at Purana Khasra No. 845/843/838 (Area 4.61 Hect) Forest Range Seri,Karsog,District Mandi, HP

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



Divisional Forest Officer, [illegible]

Er. R.L. Negi
Chief Project [illegible]
SJVN Limited Shimla

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CHECK LIST NO. 15

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

File No.:-FP/HP/HEP/20/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 397.1692 ha. (Karsog Division = 200.4349 ha., Shimla Division = 159.3484 ha. & Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Satluj River within jurisdiction of Karsog, Shimla &Kotgarh Forest Divisions in Distt. Mandi& Shimla, HP is given as Under:-

1. Detail of degraded forest land/ non-forest land:-Khuhal Datoha over in Khasra No. 481 =9.71 ha.

Distt. Mandi. Tehsil Karsog. Village Datoha

Name of Forest Division:- Karsog Range: Sesi

Block/ Compartment/ Survey No.#43F7

2. Description of area

I) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

II) If CA site is other then the land bank, reasons be given: **Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

III) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **Adjoining the boundary of D-222 Pog Forest.**

IV) Soil type: Sandy loam

V) Topography:

[a] Hilly/undulation/Plain: **Hilly**

[b] Slope : Steep/ Medium/ Gentle : **Medium to Gentle**

VI) Whether the area is bearing any root stock of vegetation: **No tree species exist in the area expect for some bushes stuff.**

3. Plantation Model:-

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

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per hec.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over an area of 9.71 ha. (Non-Forest land over kh Khasra No. 481 in Mukul Dateha)	9.71	2020-21	95600	10%	104940	1018967
2	1st year maintenance	9.71	2021-22	14130	20%	16980	164876
3	2nd year maintenance	9.71	2022-23	9500	30%	12350	119919
4	3rd year maintenance	9.71	2023-24	4850	40%	6790	65938
5	4th year maintenance	9.71	2024-25	4850	50%	7275	70655
6	5th year maintenance	9.71	2025-26	4850	60%	7760	75350
7	6th year maintenance	9.71	2026-27	4850	70%	8245	80069
8	7th year maintenance	9.71	2027-28	4850	80%	8730	84758
9	8th year maintenance	9.71	2028-29	4850	90%	9215	89478
10	9th year maintenance	9.71	2029-30	4850	100%	9700	94187
11	10th year maintenance	9.71	2030-31	4850	110%	10185	98916
						Total initial planning and 10 year maintenance:-	2902586
						Added Departmental Charges @ 12.5%	362823
						Contigency Charges @5%	93329
						Grand Total	3488167

5. **Technical Details:-**

i) **General Details:-** An area of 9.71 hac. will be taken up for planting under compensatory scheme in Mukul Dateha area in Khasra No. 481 which is a non forest land. The area will be protected by Barbed wire boundary and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hac. Mixture of plane shrubs and grasses.

ii) **Spacement:-** 3mtr x 3mtr.

iii) **Species:-** Pine, Robinia, Shisham, Deodar etc.

iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as sowed seed will be planted in 30x30x30cm. and 45x45x45cm pits in the selected area. Bush cutting will be done in the infested area. The plantations will be maintained for subsequent 10 years in which beating up of failures will be done. The plantation will be rabi fed.

v) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is

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improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vi) **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.

vii) **Proposed Monitoring Mechanism:**- The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GDI representatives as per instructions. The plantation site will be approachable from NH – 21 from Karsog.

viii) Any other information:- Nil

Date: 24/12/2020

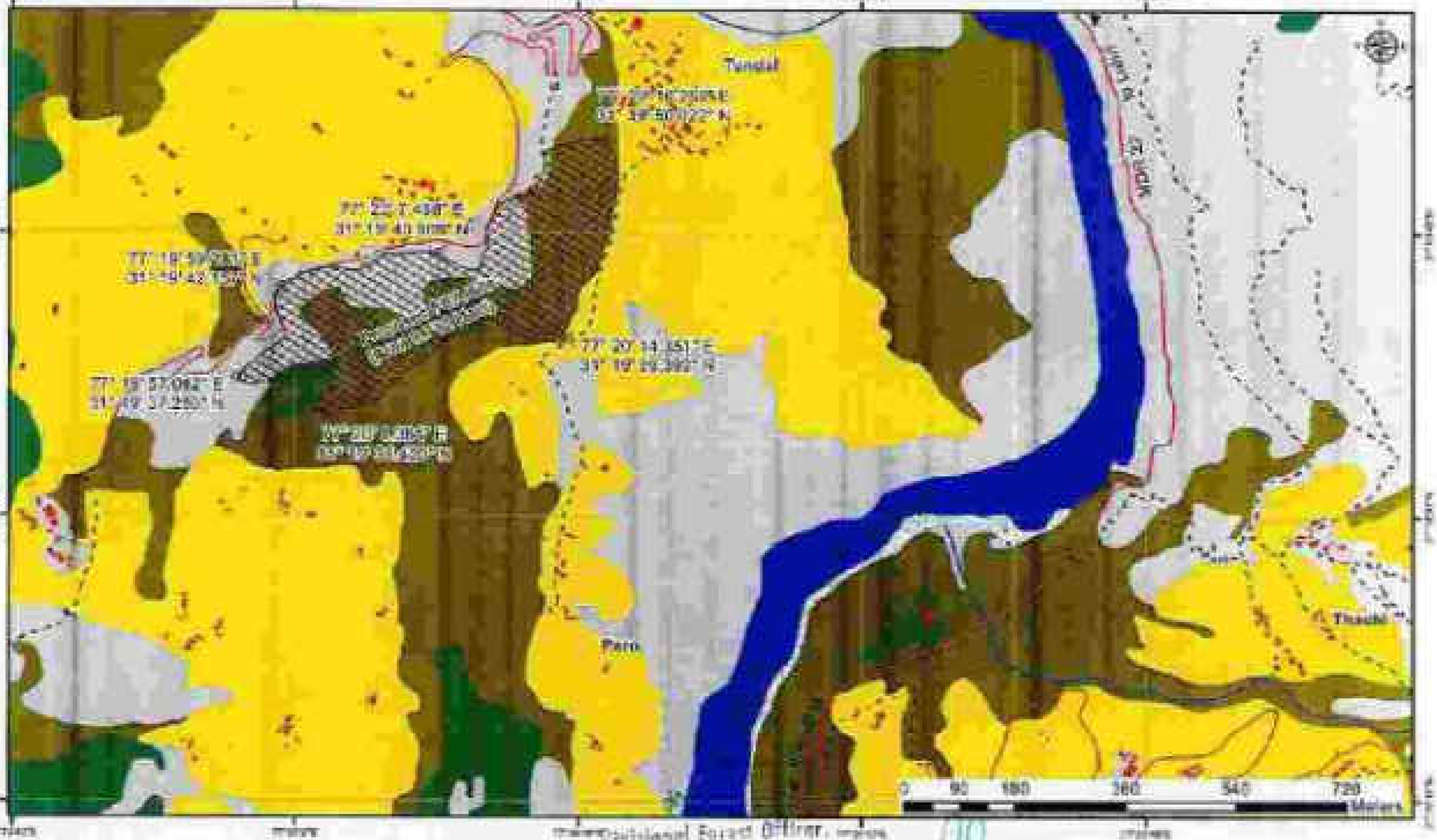
Place: Karsog

(Sh. R.K. Sharma) HPFS
Divisional Forest Officer
Karsog Forest Divn, Karsog

(D.F.O. Karsog Forest Divn.)
Forest Circle, Mandi (H.P.)

Digital Land Use Map of Compensatory Afforestation Site at Dteha (Area 9.71 Hact) Forest Range Seeri,Karsog,District Mandi, HP

in respect of SJVN Limited diversion of forest Land for Construction of Kashri HEP Stage-II (~~Shanti Sagar~~ HEP)



Legend

- Proposed FCA Site (9.712 Hact)
- Existing Road
- Footpath
- Settlement
- Agriculture Land
- Plantation
- Green Cover
- Shrub
- Open Land/Waste Land
- Drainage
- Dry River Bed

Er. R.L. Negi
GM(Head of Project)
SJVN, CHEP, Dhaulagiri

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CHECK LIST NO. 15

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

File No.:-FP/HP/GIV/Misc/31019/2017

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 397.3692 ha. (Karsog Division = 200.4349 ha., Shimla Division = 159.3484 ha. & Kotgarh Division = 37.3859 ha.) forest land to be diverted for construction of Sunni Dam, HEP (382 MW), on Sutluj River within jurisdiction of Karsog, Shimla & Kotgarh Forest Divisions in Distt. Mandi & Shimla, HP is given as under:-

1. Detail of degraded forest land/ non-forest land:-Mukhal Randol over in Khasra No. 1403 =7.50 ha.

Distt. Mandi Tehsil Karsog Village Randol

Name of Forest Division:- Karsog Range: Panghi

Block/ Compartment/ Survey No.1403/3

2. **Description of area**

i) Whether the site selected for Compensatory Afforestation is a land bank or not: **Not**

ii) If CA site is other than the land bank, reasons be given: **Reference has been given to non-forest land as per the latest instructions of MoEFC for raising Compensatory Afforestation.**

iii) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **Adjoining the boundary of D- 96 Kidlya Forest.**

iv) Soil type: **Sandy loam**

v) Topography:

[a] Hilly/undulation/Plain. **Hilly**

[b] Slope : Steep/ Medium/ Gentle : **Medium to Gentle**

vi) Whether the area is bearing any root stock of vegetation: **No tree species exist in the area expect for some bushys stuff.**

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3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

Sr. No.	Particulars	Area in ha.	Year	Rate per ha.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over in area of 7.50 ha. (Non-Forest land over in Khasra No. 1408 in Mural Nandal)	7.50	2020-21	95400	10%	104940	787050
2	1st year maintenance	7.50	2021-22	14150	20%	16980	127350
3	2nd year maintenance	7.50	2022-23	9500	30%	12350	92625
4	3rd year maintenance	7.50	2023-24	4850	40%	6790	50925
5	4th year maintenance	7.50	2024-25	4850	50%	7275	54563
6	5th year maintenance	7.50	2025-26	4850	60%	7760	58200
7	6th year maintenance	7.50	2026-27	4850	70%	8245	61838
8	7th year maintenance	7.50	2027-28	4850	80%	8730	65475
9	8th year maintenance	7.50	2028-29	4550	90%	9215	69113
10	9th year maintenance	7.50	2029-30	4850	100%	9700	72750
11	10th year maintenance	7.50	2030-31	4850	110%	10185	76388
					Total Initial planting and 10 year maintenance		1515882
					Added Departmental Charges @17.5%		265388
					Contingency Charges @5%		75795
					Grand Total		1857065

5. **Technical Details:-**

i) **General Details:-** An area of 7.50 hac. will be taken up for planting under compensatory scheme in Mural Nandal over in Khasra No. 1408, which is a non-forest land. The area will be protected by Barbed wire be fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hac. (Mixture of plant shrubs and grasses).

ii) **Spacement:-** 3mtr x 3mtr.

iii) **Species:-** Pine, Robinia, Shisham, Deodar etc.

iv) **Plantation Method:-** Nursery grown one year old plants in Polythene bags as well as naked root will be planted in 30x30x30cm and 45x45x45cm 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 beater up of failures will be done. The plantation will be rain fed.

vi) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

vii) **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 assured through regular departmental staff.

viii) **Proposed Monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from NH – 22 from Kariog.

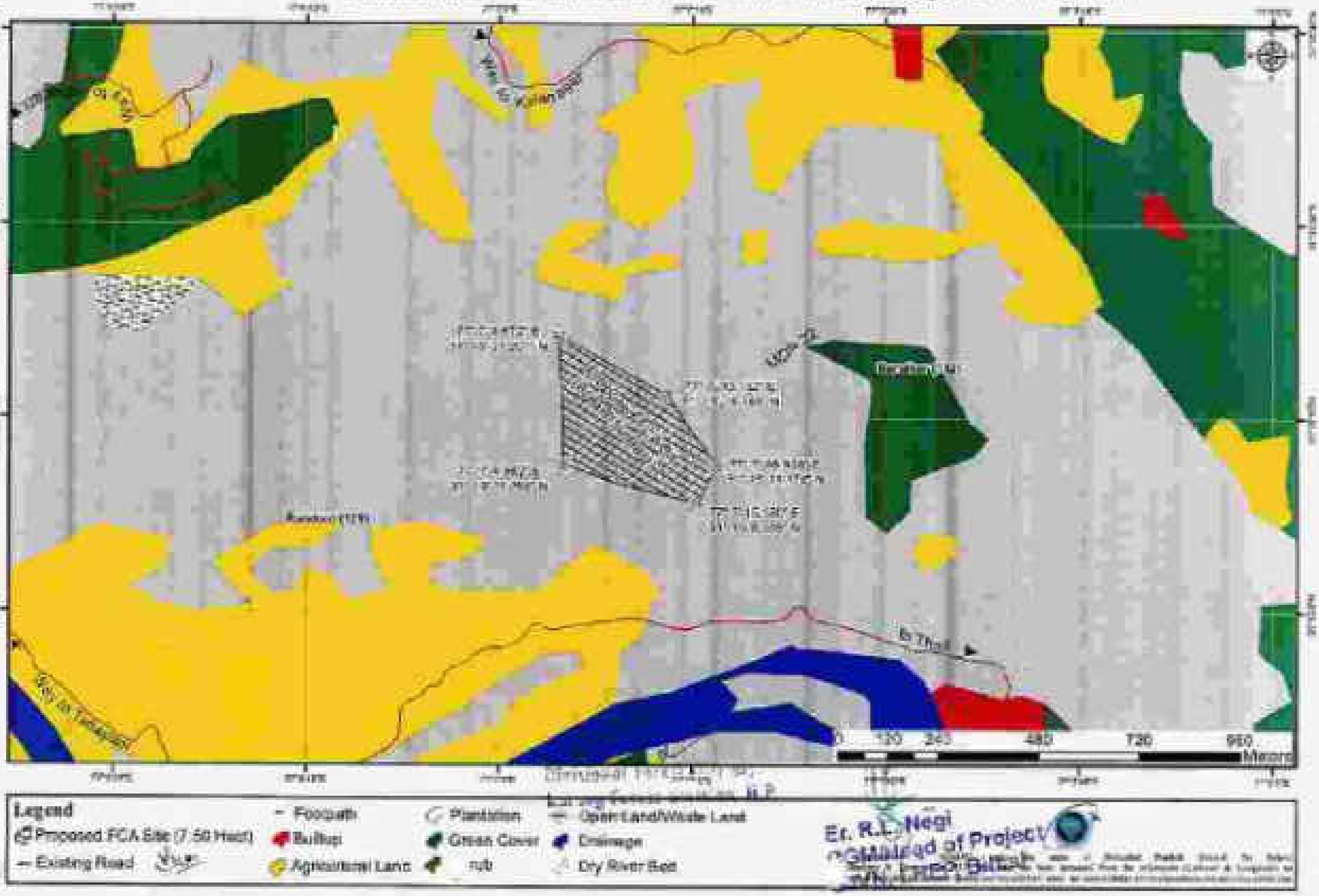
ix) **Any other information:-** Nil

Date: 24/10/2020

Place: Kariog

(Sh. R.K. Sharma) HPFS
Divisional Forest Officer
Kariog Forest Divn, Kariog

Digital Land Use Map of Compensatory Afforestation Site at Rambol Khasra No. 1483 (Area 7.58 Hect) Forest Range Tattapani,Karsog,District Mandi, HP
in respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III



Er. R.L. Negi
Incharge of Project

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SITE SPECIFIC COMPENSATORY AFFORESTATION SCHEME FOR THE DIVERSION OF FOREST LAND 200.4349 HAC. FOR THE CONSTRUCTION OF SUNNI DAM HEP (382 MW), WITHIN THE JURISDICTION OF KARSOG, SHIMLA & KOTGARH FOREST DIVISIONS, DISTRICT MANDI & SHIMLA, HIMACHAL PRADESH COST ANALYASIS OF PLANTATION OVER AN AREA OF 268 HACTORS OF KARSOG FOREST DIVISION (Per ha. cost norms, 1100 Nos. plant

I	Name of Project	Construction of Sunni Dam HEP (382 MW)
II	Name of User Agency	CGM/ Head of Project, SJVN, LHEP, Bilhal
III	Area for Compensatory Afforestation (in ha.)	200.4349 ha.
IV	Location for Compensatory Afforestation	D-74 Parvain, d-213 Nihari Nal, D-240 Fameyota, D-252 Naga Nal & Non-Forest Land
V	Type of fencing	Barbed Wire with RCC Poles

Sr No	Particulars of work	Total KM	Quantity	Unit	Rate in Rs.	Amount
FENCING						
1	Survey and demarcation of plantation area		1	Hac.	168.33	168.3
2	Preparation/ purchase of RCC Fence post (including GST @18%)		50	Nos	356	17800
3	Carriage of RCC fence post up to 165cm long over distance 2 Km uphill/ downhill	2	50	Nos.	55.84	5584
4	Preparation of digging of holes 20x30x50 cm size		50	Nos.	15.1	755.0
5	Fixing of RCC fence posts including stitching		50	Nos.	11.93	597
6	Carriage of Barbed wire over distance 2 Km	2	0.75	Ctls.	122	183.0
7	Stretching and fixing Barbed Wire in 4 stands		000	Rmt.	5	4850
8	Interlacing of thorny bushes along the fence		150	Rmt.	5.82	1023
9	Cost of Barbed Wire (including GST)		0.75	Ctls.	6504	4062
					Total-A/Survey, Demarcation & Fencing	35692
					Dr Say	35900
PLANTING						
1	Bush cutting in slope (3mx3m)		1	Hac.	1098	1085
2	Digging of pits 45x45x45 cm		1100	Nos.	15.6	17490
3	Filling of pits 45x45x45 cm		1100	Nos.	4.534	4987
4	Carriage of plants in P/bags over distance 2 Km uphill/ downhill	2	1100	Nos.	3.187	3987
5	Planting of entire plant raised in P/Bags		1100	Nos.	3.634	3387

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6	Construction of inspection path 60 cm width.		100	Rmt.	18.34	1834
7	Cost of sign board, carriage & fixing etc.		LS		450	450
8	Nursery cost of plants		1100	Nos.	19.78	21758
					Total-B(Planting:-	55472
					Or Say	55500
					Grand Total(A+B)	95400
	1st YEAR MAINTENANCE (20% BEATING UP)					
1	Re-digging of pits 45x45x45 cm		330	Nos.	7.95	2624
2	Filling of pits 45x45x45 cm		330	Nos.	4.54	1498
3	Planting of P. bag plants		330	Nos.	3.64	1201
4	Carriage P. Bag plants distance 2 Km uphill/ downhill	2	330	Nos.	3.156	2090
5	Repair of fencing		60	Rmt.	3	180
6	Nursery cost of plants		330	Nos.	19.78	6527
					Total/1st Year Maintenance:	14120
					Or Say	14150
	2nd YEAR MAINTENANCE (20% BEATING UP)					
1	Re-digging of pits 45x45x45 cm		220	Nos.	7.95	1749
2	Filling of pits 45x45x45 cm		220	Nos.	4.533	997
3	Planting of P. bag plants		220	Nos.	3.63	799
4	Carriage P. Bag plants distance 2 Km uphill	2	220	Nos.	3.17	1395
5	Repair of fencing		60	Rmt.	3	180
6	Nursery cost of plants		220	Nos.	19.78	4352
					Total/2nd Year Maintenance:	9471
					Or Say	9500
	3rd YEAR to 10th YEAR MAINTENANCE (10% BEATING UP)					
1	Re-digging of pits 45x45x45 cm		110	Nos.	8	880
2	Filling of pits 45x45x45 cm		110	Nos.	4.6	506
3	Planting of P. bag plants		110	Nos.	3.7	407
4	Carriage P. Bag plants distance 2 Km uphill	2	110	Nos.	3.2	704
5	Repair of fencing		60	Rmt.	3	180
6	Nursery cost of plants		110	Nos.	19.78	2176
					Total	4853
					Or Say	4850

Divisional Forest Officer,
Karsog Forest Division,HP.

Abstract

Divisional Forest Officer
Karsog (HP)

Estimate for CA new Plantation area in D-313 Kalka Forest in Joharji Beat and Block Dharampur Forest Range during the year 2020-21. detail as under.

	Sr No	Particulars	Qty.	Rate /ha	Amount
		Lantana Eradication work (Adopted upto 100% Area 25 ha @2020-21	1		
	1	Lantana eradication infested upto 100% by CBE method (2020-21)	09 ha	31,250	281250
	2	1st Maintenance of Lantana Eradication 2021-22	09 ha	5750	51750
	3	2nd Maintenance of Lantana Eradication 2022-23	09 ha	4025	36225
	4	3rd Maintenance of Lantana Eradication 2023-24	09 ha	3500	31500
			Total		400725

Advance work in the year Forestry Work 2020-21

Item No. & Page					
xiii, Page 69	1	Debris collection & burning	75 ha	683.9%	7669
Xiiv, Page 78	2	Preparation of inspection Path 02 mtr wide Cutting grass, Herbs Plant of Lantana and carriage of these plant from road side to pit 50 pit.	2000 Rmt	11.00/Rmt	21800
	3		2500 Rmt	80	200000
RAM, Page 76	4	Preparation / Digging of holes 20-30 cm depth -45 Cm	2100 Nos	508.95%	23874
Xlvi, Page 76	5	Fixing of MDC fence Vines UL binding	1800 Nos	699.91%	13459
Xlvii, Page 76	6	Stitching & Fixing of Screws on RCC Fence Post in each strand. 2500Rmt/unit month	10000 Rmt	4.85/Unit	48500
Xlviii, Page 77	7	Watering of Plants Nursery with 5 Liters 2500 Nos/ DN	2500 Rmt	4.35/Unit	3113
Xlviii, Page 77	8	Carriage of 10 cans barrels by manual labour from road side to work site downhill side (Means approx. Load 2km)	42.25 QtL	130.67/QtL m	13734
					861287
			Add GE 10% Increase		91,1287
			Total		7782[illegible]
	9	Carriage of 5 cans Water Sprays in work site UP loading Unloading Persons expense UL Crown 12 Km	5 Qtls	UL	1827
		Cost of Material			
	1	5 Liters	42.25 QtL	850/QtL	35912
	2	RCC fence post	2500 Nos	650/Pc	1625000
			Total		1660912
			GRAND		2555864

Addl. General Manager
Envt. Deptt. UHEP
SJVN Ltd., Shimla-171201

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

New Plantation work for the year 2021-22

Schedule rate, Item No & Page No	Sr No	Particulars	Qty.	Rate /ha	Amount
I-b , Page 3	1	Bush cutting and clearance per head load of 50 kg	1560 H/L	8.40/Hl.	25400
IV-vi, Page 78	2	Layout of Pits in the Planting Area	50 ha	170.60/ha	10236
IV-ix, Page 79	3	Digging of pits (30cmx30cmx30cm)	52800	477.35%	252081
IV-b(ii), Page 80	4	Digging of pits (45cmx45cmx45cm)	13200	954.45%	125987
IV-x(i), Page 79	5	Filling of pits (30cmx30cmx30cm)	52800	190.90%	100795
IV-c(ii), Page 79	5	Filling of pits (45cmx45cmx45cm)	13200	272.80%	36010
IV-xi, Page 79	7	Planting of P/Bag Plants in pits I/c ramming (5x9)	52800	218.25%	115236
IV-xii, Page 79	8	Planting of P/Bag Tall Plants in pits I/c ramming (8x15)	13200	654.45%	86387
IV-xv, Page 79	9	Mulching of plants	66000	59.70%	39402
III-ii, Page 76	10	Carriage of P/Bag Plants (5x9) by manual labour from road side to work site pits to pits average lead 2 Km Downhill side	52800	304.35%/Km	225794
III-v, Page 76	11	Carriage of P/Bag Plants (8x15) by manual labour from road side to work site pits to pits average lead 700 Mtr Downhill side	13200	817.90%/km	78574
			Total		1086862
			Add 66.66% increase		724508
			Total		1811364
		Carriage of P/Bag Plants by Private Pick up (5x9) & (8x15) from different nurseries to work site(road side) i/c loading and unloading	66000 L/s		165000
		watch and ward , Protection of Plantation area for 6 months	6 month	2500/ month	45000
			G Total		2016364

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

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

1st year maintenance in the plantation area in D-213 Kuba Area (60 ha) 2022-23

Schedule rate, Item No & Page No	Sr No	Particulars	Qty	Rate /ha	Amount
II-e, Page 3	1	Bush cutting and clearance per head load of 30 kg	200 H/L	5.40/HL	1080
IV-xxiii(a) Page 79	3	Refilling of pits (30cmx30cmx30cm)	19500	138.70%	45069
IV-xxiii(b), Page 80	4	Redigging of pits (45cmx45cmx45cm)	500	477.35%	2387
IV-x(a), Page 79	5	Filling of pits (30cmx30cmx30cm)	19300	190.90%	36849
IV-x(b), Page 79	6	Filling of pits (45cmx45cmx45cm)	500	277.80%	1364
IV-xi, Page 79	7	Planting of P/Bag Plants in pits /c ramming (5x9)	19300	218.25%	42122
IV-xii, Page 79	8	Planting of P/Bag Tall Plants in pits /c ramming (8x15)	500	554.45%	2772
IV-xix, Page 79	9	Mulching of plants	19800	59.70%	11821
IV-xxi, Page 79	10	Weeding and hoeing of Plants	44200	81.85%	37861
III-iii, Page 76	10	Carriage of P/Bag Plants (300) by manual labour from road side to work site pits to pits average lead 1 Km Downhill side.	19500	204.35%/km	39848
III-v, Page 76	11	Carriage of P/Bag Plants (8x15) by manual labour from road side to work site pits to pits average lead 300 Mtr Downhill side.	500	817.90%/km	1227
IV-vi, Page 77	12	Repair of B/wire Fencing	3000 Rmt	1.80/Rmt	9000
IV-vii, Page 77	13	Interfacing of Sherry bushes with B/wire	3000 Rmt	4.15/Rmt	12450
			Total 1		245537
			Add. 16.86% Increase		183673
			Total2		409210
		Carriage of P/Bag Plants (5x9) & (8x15) by private pick up from dhar assaand Kiran Nursery Average Lead 14 Km up-down Vc loading & unloading.	26 trips	L/S	25000
		Watch and ward , Protection of the plantation area for 12 months	12 months	7500	90000
			G Total		524210

Asst. General Manager
SJVN Ltd., Sunnel-172830

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

2nd year maintenance in the plantation area in D-213 Kabo Area (60 ha) 2023-24

Schedule rate, Item No & Page No	Sr No	Particulars	Qty.	Rate /No	Amount
II-b, Page 3	1	Bush cutting and clearance per head load of 30 Kg	200 M/L	@ 40/ML	1680
IV-xxiii(a) Page 79	3	Digging of pits (30cmx30cmx30cm)	13000	238.70%	31031
IV-xxiii(b) Page 80	4	Refilling of pits (45cmx45cmx45cm)	240	427.35%	954
IV-x(a), Page 79	5	Filling of pits (30cmx30cmx30cm)	13000	190.70%	24810
IV-x(b), Page 79	6	Filling of pits (45cmx45cmx45cm)	200	272.80%	546
IV-vi, Page 78	7	Planting of P/Bag Plants in pits i/c ramming (5x9)	13000	218.35%	28377
IV-xii, Page 79	8	Planting of P/Bag Tall Plants in pits i/c ramming (8x15)	300	654.45%	1963
IV-xvi, Page 79	9	Mulching of plants	13200	59.70%	7880
IV-xvi, Page 79	10	Weeding and hoeing of Plants	32500	82.95%	43270
III-B, Page 28	10	Carriage of P/bag Plants (5x9) by manual labour from road side to work site pits to pits average lead 1.2 Km Downhill side.	13000	304.45%/Km	84875
III-c, Page 75	11	Carriage of P/bag Plants (8x15) by manual labour from road side to work site pits to pits average lead 300 Mtr Downhill side.	200	337.90%/Km	654
IV-ii, Page 77	12	Repair of B/wire Fencing	4000 Rmt	1.80/Rmt	8100
IV-iii, Page 77	13	Interlacing of thorny bushes with B/wire	2500 Rmt	4.13/Rmt	10375
			Total 1		190857
			Add 66.66% increase		127238
			Total 2		318095
		Carriage of P/bag Plants (5x9) & (8x15) by private pick up from dilar sessand Strain Nursery Average Lead 14 km up-down i/c Loading & unloading.	18 trips	L/S	15000
		Watch and ward , Protection of the plantation area for 12 months	12 months	7500	90000
			G Total		423095

Addl. General Manager
Envt. Deptt. LHEP
SJVN Ltd., Shimla-171006

Range Forest Officer
Dharamshala Forest Range
Dharamshala, Distt. Kangra (H.P.)

3rd year maintenance in the plantation area in D-213 Kaba Area (60 ha) 2024-25

Schedule rate, Item No & Page No	Sr No	Particulars	Qty.	Rate /ha	Amount
6-b , Page 5	1	Bush cutting and clearance per head load of 30 Kg	250 H/L	8.40/H/L	1260
IV-xxvi(a) Page 79	2	Ringing of pits (30cmx30cmx30cm)	9300	138.70%	23645
IV-xxvi, Page 79	3	Filling of pits (30cmx30cmx30cm)	9300	190.90%	32589
IV-vi, Page 70	7	Planting of P/Bag Plants in pits I/c ramming (5x9)	9300	218.75%	23017
IV-xix, Page 75	9	Mulching of plants	9300	59.20%	5510
IV-xxii, Page 79	10	Weeding and hoeing of Plants	9600	81.95%	46074
III-m, Page 76	10	Carriage of P/Bag Plants (5X9) by manual labour from road side to work site pits to pits average lead 1..5 km downhill side.	9900	204.55%/Km	26580
IV-xi, Page 77	12	Regaw of B/wire fencing	9000 Rmt	1.80/Rmt	16200
IV-xii, Page 77	13	interlacing of thorny bushes with B/wire	3000 Rmt	4.15/Rmt	12450
			Total 1		172231
			Add. 66.66% increase		114809
			Total2		287040
		Carriage of P/Bag Plants (5x9) & (8x15) by private pick up from dhar asaraid Kiran Nursery Average Lead 14 Km up-down I/c Loading & unloading.	13 trips	L/S	15000
		Watch and ward , Protection of the plantation area for 12 months	12 months	7500	90000
			G Total		392040

Rajul Gupta
B A
Boundary

Addl. General Manager
Envt. Deptt. LHZP
SJVN Ltd., Rohtak-124001

Range Forest Officer
Deputy Forest Ranger
Divisional Field Superintendent

4th year maintenance in the plantation area in D-233 Kaloa Area (60 ha) 2025-26

Schedule rate, Item No & Page No	Sr No	Particulars	Qty.	Rate /ha	Amount
III-b , Page 3	1	Bush cutting and clearance per head load of 30 Kg	250 M/L	8.40/Hr.	2100
IV-xxiii(a) Page 79	3	Redigging of pits (30cmx30cmx30cm)	6600	238.70%	15754
IV-xxiv, Page 79	5	Filling of pits (30cmx30cmx30cm)	6600	190.90%	12599
IV-xvi, Page 79	7	Planting of P/Bag Plants in pits i/c ramming (5x9)	6600	238.23%	14804
IV-xx, Page 79	9	Mulching of plants	6600	59.70%	3940
IV-xxi, Page 79	10	Weeding and hoeing of Plants	54480	81.95%	44657
IV-xii, Page 78	11	Carriage of P/Bag Plants (5x9) by manual labour from road side to work site pits to pits average lead 1.2 Km Down hill side.	6600	04.35%/Km	13487
IV-xi, Page 77	12	Repair of B/wire Fencing	7000 Rmt	1.80/Rmt	12600
IV-vii, Page 77	13	Interlacing of thorny bushes with B/wire.	2100 Rmt	4.15/Rmt	8715
			Total I		132277
			Add: 10.00% increase		58176
			Total2		320453
		Carriage of P/Bag Plants (5x9) & (8x15) by private pick up from dhar aasaand Kiran Nursery Average Lead 14 Km up-down i/c Loading & unloading.	30 trips	A/S	12000
		Watch and ward , Protection of the plantation area for 12 months	12 months	7500	90000
			G Total		322453

Addl. General Manager
Envt. Deptt. LHEP
SJVN Ltd., Rithal-172 0

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

5th year maintenance in the plantation area in D-213 Kaba Area (60 ha) 2026-27

Schedule rate, Item No & Page No	Sr No	Particulars	Qty.	Rate /ha	Amount
B-b , Page 3	1	Bush cutting and clearance per head load of 30 Kg	250 H/L	R.40/HL	2100
IV-xxiii(a) Page 78	3	Redigging of pits (30cmx30cmx30cm)	6600	238.70%	15754
IV-xiii, Page 79	5	Filling of pits (30cmx30cmx30cm)	6600	150.60%	32595
IV-xi, Page 79	7	Planting of P/bag Plants in pits (L ramming (5x3)	6600	218.25%	14404
IV-xv, Page 79	9	Mulching of plants	6600	58.70%	3913
IV-xvi, Page 79	10	Weeding and hoeing of Plants	59400	82.95%	49278
B-iii, Page 76	30	Carriage of P/Bag Plants (5X9) by manual labour from road side to work site pits to pits average lead 1.2 Km Downhill side	6600	504.55%/Km	13487
IV-xi, Page 77	12	Repair of B/wire Fencing	2000 Rmt	1.80/Rmt	17600
IV-viii, Page 77	13	Interlacing of thorny bushes with B/wire	2300 Rmt	4.35/Rmt	9715
			Total 1		132277
			Add. 55.66% increase		89176
			Total2		220453
		Carriage of P/Bag Plants (5x9) & (8x15) by private pick up from dhar aaaaand Kisan Nursery Average Lead 14 Km up-down I/c Loading & unloading	10 trips	1/5	12000
		Watch and ward , Protection of the plantation area for 12 months	12 months	7500	90000
			G Total		322453

Rajesh Gupta
B. Balaji

Range Forest Officer
Umbergaon Forest Range
Umbergaon, Dist. Valsad (Guj.)

Addl. General Manager
Envt. Deptt. L&T-SP
SJVN Ltd., Shimla-172033

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6th year maintenance in the plantation area in D-213 Kaba Area (60 ha) 2027-28

Schedule rate, Item No & Page No	Sr No	Particulars	Qty	Rate /Ha	Amount
I-b, Page 3	1	Bush cutting and clearance per head load of 30 Kg	350 M/L	6.46/M	2300
IV-xx(a) Page 79	3	Refilling of pits (30cmx30cmx30cm)	6600	238.20%	15154
IV-xx(b), Page 79	5	Filling of pits (30cmx30cmx30cm)	6400	190.93%	12595
IV-xi, Page 79	7	Planting of P/bag Plants in pits (Excl. Farming (Ex9)	6600	218.25%	14404
IV-xx, Page 79	9	Mulching of plants	6400	59.70%	3940
IV-xxi, Page 79	11	Weeding and hoeing of plants	5400	81.95%	4825
III-ii, Page 76	10	Carriage of P/Bag Plants (5x9) by manual labour from road side to work site pits to pits average lead 1.2 km Downhill side.	5400	204.55%/M	13487
IV-xi, Page 77	12	Repair of B/wire Fencing	7800 Rmt	3.80/Rmt	14800
IV-xii, Page 77	13	Interlacing of thorny bushes with B/wire	2100 Rmt	4.15/Rmt	8715
			Total 1		133237
			Add 46.16% increase		61476
			Total2		194713
		Carriage of P/Bag Plants (5x9) & (8x15) by private pick up from their assigned Garan Nursery Average Lead 14 km up-down inc loading & unloading	10 trips	1/5	12000
		Watch and ward , protection of the plantation area for 11 months	12 months	7500	90000
			@ Total		322853

Rs 46-55/-

Bv-Abhinj

Addl. General Manager
Envt. Deptt. L-I&II
RJVN Ltd., Shimla-171009

Range Forest Officer
Divisional Forest Officer
Dharamshala Soil Conservation

7th year maintenance in the plantation area in D-213 Kaba Area (50 ha) 2023-24

Schedule rate, Item No & Page No	Sr No	Particulars	Qty.	Rate /no.	Amount
II-b , Page 5	1	Bush cutting and clearance per head load of 30 Kg	250 M/L	640/Ha	2160
IV-xxiii-a, Page 79	3	Pedigging of pits (30cmx30cmx30cm)	6600	236.70%	15754
IV-xxiii-c, Page 79	5	Filling of pits (30cmx30cmx45cm)	6600	190.90%	12599
IV-xxiv, Page 79	7	Planting of P/Bag Plants in pits I/c ramming (5x5)	6600	218.75%	14434
IV-xxv, Page 79	9	Mulching of plants	6600	93.70%	3986
IV-xxx, Page 79	10	Weeding and hoeing of plants	59400	81.95%	48676
III-iii, Page 76	11	Carriage of P/bag Plants (5X9) by manual labour from road side to work site pits to pits average lead 1.2 Km (towards hill side.	6600	@2.259/Pit	13487
IV-iii, Page 77	12	Repair of B/wire Fencing	7000 Rmt	1.20/Rmt	12600
IV-vii, Page 77	13	Interlacing of thorny bushes with B/wire	2100 Rmt	4.15/Rmt	8715
			Total 1		132277
			Add 66.66% wastage		88176
			Total2		220453
		Carriage of P/bag Plants (5x9) & (8x15) by private pick up from dhar aakaand Kiran Nursery Average Lead 14 Km up down I/c loading & unloading	10 trips	LS	12000
		Watch and ward , Protection of the plantation area for 12 months	12 months	7500	90000
			G Total		322453

Rajesh Gupta
SR
D-Kaba

Range Forest Officer
Jaisamand Forest Range
Jaisamand Dist. Salumbar

Addl. General Manager
Envt. Deptt. UHEP
SJVN Ltd., Rohal-172038

8th year maintenance in the plantation area in D-213 Kaba Area (60 ha) 2029-30

Schedule rate, Item no & Page No	Sr No	Particulars	Qty.	Rate /ha	Amount
II-b, Page 3	1	Bush cutting and clearance per head load of 30 Kg	250 H/L	8.40/HL	2100
IV-xxiii-a, Page 79	2	Hedgelaying of pits (30cmx30cmx30cm)	6600	238.70%	15754
IV-xxii, Page 79	3	Filling of pits (30cmx30cmx30cm)	4800	150.90%	12599
IV-iii, Page 78	4	Planting of P/Bag Plants in pits I/c ramming (5x9)	6600	218.25%	14408
IV-xx, Page 79	5	Mulching of plants	6600	59.70%	3940
IV-xvi, Page 79	6	Weeding and hoeing of Plants	5940	81.95%	48670
II-ii, Page 76	10	Carriage of P/Bag Plants (5x9) by manual labour from road side to work site pits to pits average lead 1.2 km Down hill side.	60/35	234.29%/Km	14487
IV-xi, Page 77	12	Repair of B/wire Fencing	2000 Rmt	1.80/Rmt	12600
IV-vii, Page 77	13	Interlacing of thorny bushes with B/wire	2200 Rmt	4.15/Rmt	8731
			Total 1		192277
			Addl. 50.66% Expense		97176
			Total2		229453
		Carriage of P/Bag Plants (5x9) & (8x15) by private pick up from other eastward Khas Nursery Average Lead 14 km up-down I/c Loading & unloading	10 trips	L/S	12000
		Watch and ward , Protection of the plantation area for 11 months	12 months	750	9000
			G Total		250453

Rajesh Gupta
D.F.O. Jaisalmer

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

Range Forest Officer
Jaisalmer Forest Range
Divisional Forest Officer

9th year maintenance in the plantation area in D-213 Koha Area (60 ha) 2030-31

Schedule rate, Item No & Page No	Sr No	Particulars	Qty.	Rate /ha	Amount
I/ii, Page 1	1	Bush cutting and clearance cut head load of 30 Kg	150 M/L	8.40/ML	1260
IV-xxiii(a) Page 73	3	Redigging of pits (30cmx30cmx30cm)	4600	238.70%	15754
IV-xiii, Page 75	4	Filling of pits (30cmx30cmx30cm)	6600	190.50%	12570
IV-vi, Page 79	7	Planting of P/Bag Plants in pits (C. ramming (3x9)	2640	318.75%	14404
IV-xx, Page 79	8	Mulching of plants	5600	58.70%	3440
IV-xxi, Page 79	10	Weeding and hoeing of Plants	59400	81.05%	48578
III-xi, Page 71	10	Carriage of P/Bag Plants (1x9) by manual labour from road side to work site pits to pits average lead 1.2 km Downhill side.	6600	Rs. 195/Km	13467
IV-xi, Page 77	12	Repair of S/wire Fencing	7700 Rmt	1.80 Rmt	12600
IV-xii, Page 77	13	Interlacing of thorny bushes with s/wire	2100 Rmt	4.15 Rmt	8715
			Total 1		332373
			Add. 66.08% increase		88176
			Total 2		220353
		Carriage of P/Bag Plants (5x9) & (8x15) by private pick up from dhar sasaand Kiran Nursery Average Lead 34 Km up-down i/c Loading & unloading	10 trips	L/S	12000
		Watch and ward , protection of the plantation area for 12 months	12 months	7500	90000
			@ Total		322453

Addl. General Manager
Envt. Deptt. LH&P
SJVN Ltd., Ekthal-172030

Range Forest Officer
Dhundour Forest Range
Office at Rajgarh Distt. Sirmaur (H.P.)

10th year maintenance in the plantation area in D-213 Kaba Area (60 ha) 2031-32

Schedule rate, Item No & Page No	Sr No	Particulars	Qty.	Rate /Na	Amount
II-b, Page 3	1	Bush cutting and clearance per head load of 30 Kg	250 H/L	8.40/HR	2100
IV-xxiii(a) Page 79	3	Hardigging of pits (90cmx90cmx90cm)	6600	239.70%	15754
IV-x(a), Page 79	5	Filling of pits (30cmx30cmx30cm)	6600	190.90%	12599
IV-xi, Page 79	7	Planting of P/Bag Plants in pits i/c ramming (5x7)	6600	218.25%	14404
IV-xx, Page 79	9	Mulching of plants	6600	59.70%	3940
IV-xxi, Page 79	10	Weeding and hoeing of Plants	55000	81.95%	48678
III-iii, Page 76	10	Carriage of P/Bag Plants (5x9) by manual labour from road side to work site pits to pits average lead 1.2 km Downhill side	9600	204.17/K.M	1346
IV-xi, Page 77	12	Repair of B/wire Fencing	2000 Rmt	1.80/Rmt	3600
IV-vii, Page 77	13	Interlacing of thorny bushes with B/wire	2100 Rmt	4.15/Rmt	8715
			Total 1		132277
			Add 16.66% increase		5517
			Total2		237654
		Carriage of P/Bag Plants (5x9) & (8x13) by private pick up from their nearest Kiran Nursery Average Load 14 Km up down i/c Loading & unloading	10 trips	L/s	12000
		Watch and ward, Protection of the plantation area for 12 months	12 months	7500	90000
			6 Total		327654

Addl. General Manager
Envt. Deptt. LHEP
SJVN Ltd., Shimla-172010

Range Forest Officer
Dharamshala, Distt. Kangra (H.P.)

Year wise General Abstract of CA work in D-213 Kaba Forest of Dharampur Range

Sr No	Year	Particulars	Qty.	Amount
1	2020-21	Lantana Eradication	60 ha	190000
2	2021-22	1st Year Maintenance	60 ha	345000
3	2022-23	2nd Year Maintenance	60 ha	210000
4	2023-24	3rd Year Maintenance	60 ha	210000
5	2021-22	Advance work (Fencing work)	60 ha	2018064
6	2021-22	New Planting Work	60 ha	2018064
7	2022-23	1st Year Maintenance of Plantation	60 ha	534712
8	2023-24	2nd Year Maintenance of Plantation	50 ha	423090
9	2024-25	3rd Year Maintenance of Plantation	60 ha	352040
10	2025-26	4th Year Maintenance of Plantation	60 ha	322453
11	2026-27	5th Year Maintenance of Plantation	60 ha	322453
12	2027-28	6th Year Maintenance of Plantation	50 ha	322453
13	2028-29	7th Year Maintenance of Plantation	60 ha	322453
14	2029-30	8th Year Maintenance of Plantation	60 ha	322453
15	2030-31	9th Year Maintenance of Plantation	60 ha	322453
16	2031-32	10th Year Maintenance of Plantation	60 ha	322453
			G . Total	10303740

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

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

Divisional Forest Officer
Solan Forest Divn. H. Solan (H.P.)

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SCHEME FOR COMPENSATORY AFFORESTATION (Revised 27/12/2024)

DETAIL OF YEAR WISE BREAK UP OF REQUIREMENT OF FUND FOR PLANTATION AND ITS MAINTENANCE & ABSTRACT

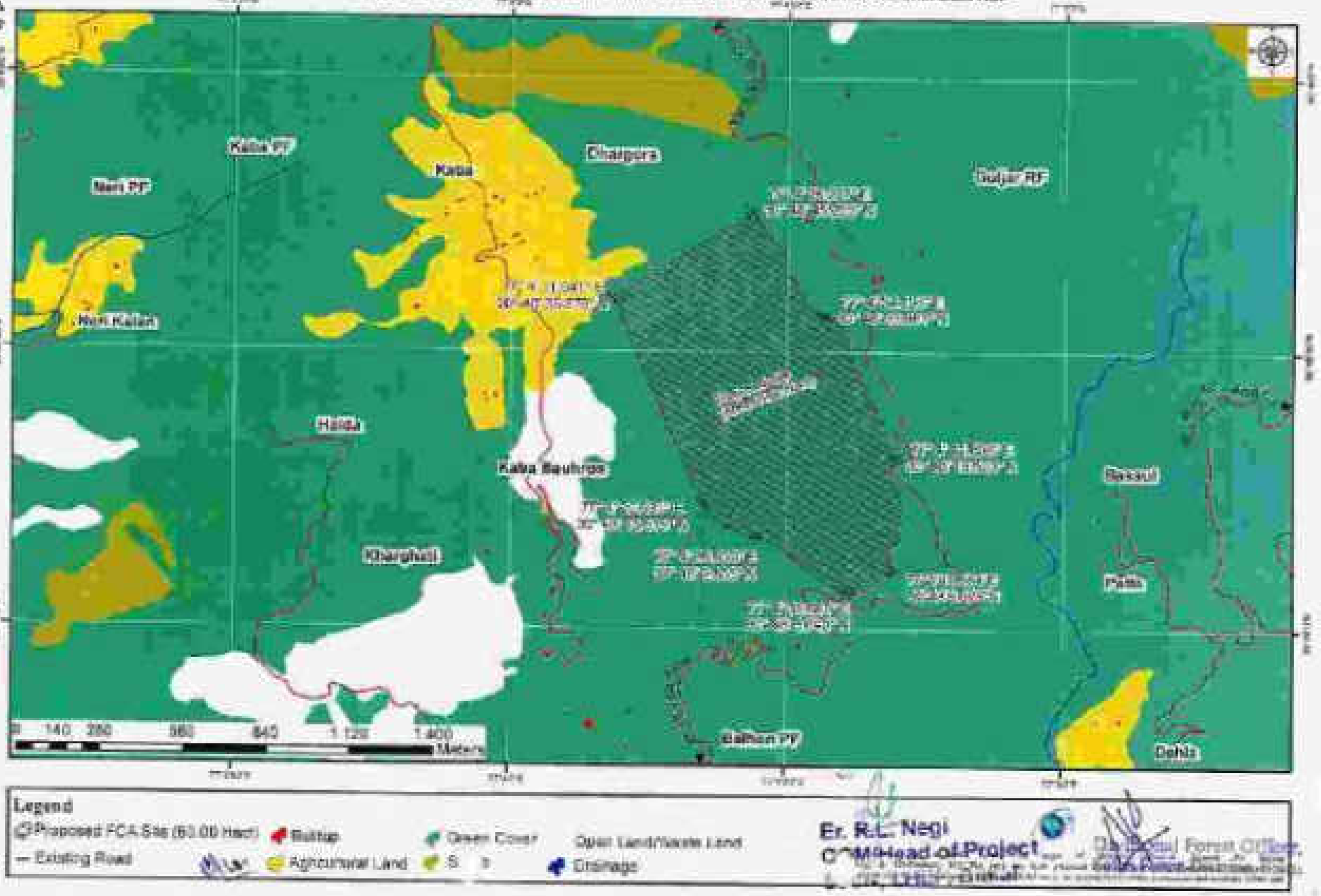
Sr. No.	PARTICULARS	AREA IN HA.	Rate per ha.	AMOUNT
1.	Compensatory Plantation over FCR 49.78 ha.	60.00	70000.00	42,18,000.00
2.	Maintenance cost of Ist. Year	60.00	5350.00	3,07,000.00
3.	Maintenance cost of IInd. Year	60.00	5630.00	3,37,800.00
4.	Maintenance cost of IIIrd. Year	60.00	2915.00	1,74,900.00
5.	Maintenance cost of IVth. Year	60.00	2915.00	1,74,900.00
6.	Maintenance cost of Vth. Year	60.00	2915.00	1,74,900.00
7.	Maintenance cost of VIth. Year	60.00	2915.00	1,74,900.00
8.	Maintenance cost of VIIth. Year	60.00	2915.00	1,74,900.00
9.	Maintenance cost of VIIIth. Year	60.00	2915.00	1,74,900.00
10.	Maintenance cost of IXth. Year	60.00	2915.00	1,74,900.00
11.	Maintenance cost of Xth. Year	60.00	2915.00	1,74,900.00
		Total		69,96,400.00
		Add Contingencies @5%		3,49,820.00
				73,46,220.00
		Add Dept. Charges @ 17.50%		12,85,378.00
			G. Total	85,31,598.00

Note:- The rates are inclusive of planting and fencing for the year 2020-21.

Divisional Forest Officer
Solan Forest Division, Solan

Digital Land Use Map of Compensatory Afforestation Site at D-213 Kaba Kalan (Area 60.00 Hect) Forest Division Solan,District Solan, HP

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



Legend

Proposed FCA Site (60.00 Hect) — Existing Road

Buildup — Agricultural Land — Green Cover — Open Land/Waste Land — Drainage

Er. R.L. Negi
C^M Head of Project

Divisional Forest Officer

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STATEMENT SHOWING ESTIMATE OF COMPENSATORY PLANTATION IN RESERVE FOREST OF PARWANOO FOREST RANGE, SOLAN FOREST DIVISION, SOLAN, AGAINST DIVERSION OF FOREST LAND MEASURING 0.4047 HECTARES (1.00 ACRE) FOR THE CONSTRUCTION OF SIDE DAM PROJECT AS PER DETAIL GIVEN BELOW:-

S.No.	Particulars of work	Qty	Unit	Rate		Amount
1	Survey and demarcation of plantation area including marking of kachcha Pits and preparation of map etc	41.00	Hect.	74.87		3069.67
2	Earth cutting in loose	32.00	Cmt.	1102.80		35289.60
3	Collection of leaves and burning	42.00	Mds.	80.80		3393.60
4	Excavation of Pits 60 cm cube	2530	Nos.	10.80		27324.00
5	Excavation deepening of RCC fence posts	1000	No.	5.00	Net Rate	5000.00
6	Carriage of Fence posts upto 2 K.M. average lead	1000	No	39.50		39500.00
7	Excavation digging of holes 30 cm cube depth deep	1000	No	8.05	5%	8452.50
8	Fixing of RCC posts including refilling	1000	No	8.58	5%	9463.90
9	Carriage of G.I wire average lead 2 Km	37.15	Qtls	114.75	P.Qtl P.Km	4262.10
10	Stacking & fixing of G.wire in 3 rounds	1.000	Hect.	3.99	1.00mt	4007.00
11	Work laying of jaloy bushes along the fence	1.000	Hect.	2.00	P.Hect	3000.00
12	Preparation of Water retention rounds 1mx1mx	1	No	1.75		9800.00
					Total	129964.00
		409.00	0.00			27285.40
						109704.39
	PLANTING					
1	Digging of pits 45x45x45cm	4900	Nos.	350.45	5%	36156.00
2	Filling of pits 45x45x45cm	4400	No	37.84	5%	1660.96
3	Carriage of poly plants 4/1 2 K.m	44000	No.	2.50	5% KT	115500.00
4	Planting of poly plants	44000	No.	2.24	5%	103488.00
				TOTAL PLANTING COST		256804.96
	Material					
1	Cost of barbed wire	12.15	Qtl	8000.00		137700.00
	Nursery cost of plants					
1	Cost of plants	44000		20.00		880000.00
						1317136.00
				Total		1574134.33
				Grand Total		2415634.69
	MAINTENANCE COST					
	10 year maintenance @ 5% p.a(R)					
S.No.	Particulars of Work	Qty.		Rate		Amount
1	Re-Digging of pits 45x45x45cm	1225		24.03		29437.45
2	Filling of pits 45x45x45cm	1100		37.84	5%	39096.60
3	Carriage of poly plants 4/1 2 K.m	11000		2.50	5% KT	28875.00
4	Planting of poly plants	11000		2.24	5%	25872.00
5	Repair of barbed fencing	9.00	Hect.	1,000	Each	9000.00
6	Repair of Pits	450		10.80		4860.00
7	Repair of fence posts	1375		20.00		27500.00
				Total		164641.05
	Add increase @ 10% in Charge s No. 7)					16464.11
						181105.16

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

Addl. General Manager
Envt. Deptt. UHDP
SJVN Ltd., Shimla-172030

3rd year maintenance 10% subsidy

S.No.	Maintenance cost of 3rd year	Qty.	Rate	Amount
1	Re-Digging of pits 45x45x45cm	4400	36.50	3977.60
2	Filling of pits 45x45x45cm	4400	274.80 (7%)	24859.40
3	Carriage of poly plants Att. 2 K.m	5800	272.50 (7% for	47969.00
4	Planting of poly plants	5800	318.25 (7%	19108.50
5	Repair of S.W.C fencing	1480 Rmt	1.20 P.Rmt	1808.00
6	Repair of Pits	400	10.9	4305.00
7	Polythin bags plants	4300	20.00	79000.00
			Total	304538.00
	Add increase (6.56% on (Except s.No. 3)			20719.78
			G.Total=	325258.78

3rd year maintenance 10% subsidy

S.No.	Maintenance cost of 3rd year	Qty.	Rate	Amount
1	Re-Digging of pits 45x45x45cm	4400	36.50 (7%	15977.60
2	Filling of pits 45x45x45cm	4400	274.80 (7%	12859.40
3	Carriage of poly plants Att. 2 K.m	4400	272.50 (7% for	23980.00
4	Planting of poly plants	4400	318.25 (7%	14001.00
5	Repair of S.W.C fencing	880 Rmt	1.20 P.Rmt	1056.00
6	Repair of Pits	400	10.9	4320.00
7	Polythin bags plants	4300	20.00	86000.00
			Total	158394.00
	Add increase (6.56% on (Except s.No. 3)			10394.27
			G.Total=	168788.27

3rd year maintenance 10% subsidy

S.No.	Maintenance cost of 3rd year	Qty.	Rate	Amount
1	Re-Digging of pits 45x45x45cm	4400	248.40	15963.60
2	Filling of pits 45x45x45cm	4400	274.80 (7%	12859.40
3	Carriage of poly plants Att. 2 K.m	4400	272.50 (7% for	23980.00
4	Planting of poly plants	4400	318.25 (7%	14001.00
5	Repair of S.W.C fencing	880 Rmt	1.20 P.Rmt	1056.00
6	Repair of Pits	400	10.9	4320.00
7	Polythin bags plants	4300	20.00	86000.00
			Total	158159.00
	Add increase (6.56% on (Except s.No. 3)			10375.67
			G.Total=	168534.67

3rd year maintenance 10% subsidy

S.No.	Maintenance cost of 3rd year	Qty.	Rate	Amount
1	Re-Digging of pits 45x45x45cm	4400	248.40	15963.60
2	Filling of pits 45x45x45cm	4400	274.80 (7%	12859.40
3	Carriage of poly plants Att. 2 K.m	4400	272.50 (7% for	23980.00
4	Planting of poly plants	4400	318.25 (7%	14001.00
5	Repair of S.W.C fencing	880 Rmt	1.20 P.Rmt	1056.00
6	Repair of Pits	400	10.9	4320.00
7	Polythin bags plants	4300	20.00	86000.00
			Total	158159.00
	Add increase (6.56% on (Except s.No. 3)			10375.67
			G.Total=	168534.67

Range Forest Officer
Ranges Forest Range
Nanded, Dist. Solan (H.P.)

Addl. General Manager
Envl. Deptt. (Civil)
SJVN Ltd., Nirmal-172201

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Q. ABSTRACT

S.NO.	PARTICULARS	AREA IN H.C.	AMOUNT
1	Compensatory plantation over FCA 40.03 (Net)	80.00	294454.00
2	Maintenance cost of 1st Year	40.03	380732.00
3	Maintenance cost of 2nd Year	40.03	94203.00
4	Maintenance cost of III Year	40.03	106146.00
5	Maintenance cost of IV Year	40.03	106146.00
6	Maintenance cost of V Year	40.03	119144.00
		Total	931135.00
	4% contingencies @ 4%		22967.00
			47311.00
	Add Dept. Charges @17.5%		8403.00
		Total	1009816.00
		GRAND TOTAL	1010000.00

Divisional Forest Officer,
(Upper Pabbar Protective Forest) H.P.

Addl. General Manager
Envt. Deptt. UHEP
SJVN Ltd., Shimla-172039

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152.A

SCHEME FOR COMPENSATORY AFFORESTATION (Revised 22/12/2020)

DETAIL OF YEAR WISE BREAK UP OF REQUIREMENT OF FUND FOR PLANTATION/MAINTENANCE ACHIEVED:-

G. ABSTRACT

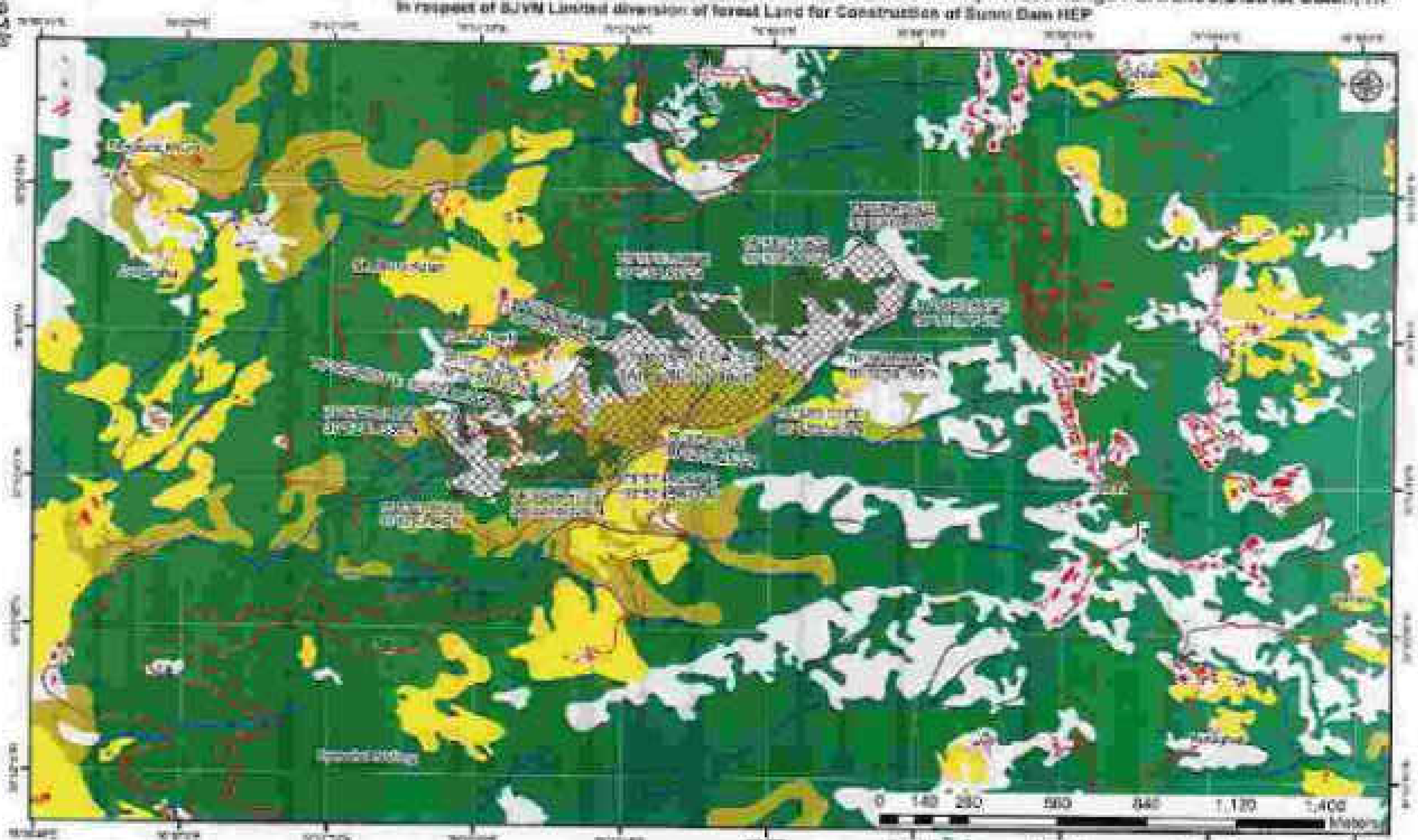
Sr. No.	PARTICULARS	AREA IN HAC	Rate per ha.	AMOUNT
1.	Compensatory Plantation (ha) FOR 40.20 ha.	40.20	[illegible]	28,13,400.00
2.	Maintenance cost of 1st Year	40.00	8550.00	3,34,000.00
3.	Maintenance cost of 2nd Year	40.00	5616.00	2,21,200.00
4.	Maintenance cost of IIIrd Year	40.00	2911.00	1,16,400.00
5.	Maintenance cost of IVth Year	40.00	2911.00	1,16,400.00
6.	Maintenance cost of Vth Year	40.00	2911.00	1,16,400.00
7.	Maintenance cost of VIth Year	40.00	2911.00	1,16,400.00
8.	Maintenance cost of VIIth Year	40.00	2911.00	1,16,400.00
9.	Maintenance cost of VIIIth Year	40.00	2911.00	1,16,400.00
10.	Maintenance cost of IXth Year	40.00	2911.00	1,16,400.00
11.	Maintenance cost of Xth Year	40.00	2911.00	1,16,400.00
		Total		46,37,600.00
		A.M. Charges @ 5%		2,31,880.00
				48,69,480.00
		A.M. Dept. Charges @ 17.50%		8,51,588.00
			G. Total	86,21,068.00

Note:- The rates are inclusive of planting and fencing for the year 2020-21.

Divisional Forest Officer
Solan Forest Division, Solan

Digital Land Use Map of Compensatory Afforestation Site at R-54 Kurardev, C-1 (Area 40.00 Hect) Forest Range Parwanoo,District Solan, HP

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



Legend

- Proposed FCA Site (40.00 Hect)
- Existing Road
- Built-up
- Agricultural Land
- Green Cover
- Water
- Drainage

Dy. Conservator of Forests (Territorial) Solan

Er. R. L. Negi
Consultant and Project

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457

Full Title of the project:- C/o Sunni Dam HEP
File No.
Date of Proposal:

CHECK LIST SERIAL NUMBER 18
"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for 10 Income Compensatory Afforestation to be carried out in lieu of diversion of 391.0695 ha forest land for C/o Sunni Dam HEP in Shimla, Kotgarh and Karsog Forest Division in Distt. Shimla and Mandi.

1. Detail of diverted forest land/ Non- Forest land

Village	Bharli
Tehsil	Theog
District	Shimla, H.P.
Forest Division	Theog Forest Division
Forest Range	Baliara
Block No./Compartment No./Survey No	K-491 Bharli, Beat Bharli, Block-Gehach, Kothkai Range , Theog Division Survey-53 F/BNE
Area to be diverted	10.00

2. Description of the Area

i)	Whether the site selected for Compensatory Afforestation is a land bank or not	The area selected is a proposed land bank
ii)	If the CA site is other than the land bank; reasons be given	CA has been proposed in degraded patch of forest land.
iii)	In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	NA
iv)	Soil type	Clayey loam.
v)	Topography i) Hilly / Undulating /Plain ii) Slope: Steep/Medium/Gentle	hilly
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.

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

BILL FOR COMPENSATORY AFFORESTATION SCHEME OVER 10 HECTARE FORREST LAND IN LIEU 291.0695 HECTARE OF FOREST LAND FOR THE CONSTRUCTION OF SHONI DAM WITHIN THE JURISDICTION OF SHIMLA, KOTGARH AND KARSOG FOREST DIVISION IN DISTT. SHIMLA & MANDI, HP.

Area proposed for compensatory Afforestation in hac: 10
Plants to be planted per hectare: 1100
Total number of plants to be planted: 11000

1	2	3	4	5	6	7	8	9	10	11
Particulars of works	Unit cost of wage structure per ha. For 2018-19, including plants cost	No. of Plants	Plants @ 22/- Rs	Total amount of plants	Area in ha.	Total cost (Col.2x6+5)	Year of execution of work	Cost escalation	Unit cost after applying cost escalation (Col.7+9)	Total amount (Col.7*10)
Initial cost for raising CA over all area of CA	63500	11000	22	242000	10	305000	2018-19			
1st Year Maintenance	5850	3300	22	72600	10	141101	2019-20	10%	57400	574100
2nd Year Maintenance	4400	2200	22	48400	10	94400	2020-21	20%	28220	282200
3rd Year Maintenance	2400	1100	22	24200	10	48200	2021-22	30%	28320	283200
4th Year Maintenance	2400	1100	22	24200	10	48200	2022-23	40%	19280	192800
5th Year Maintenance	2400	1100	22	24200	10	48200	2023-24	50%	24100	241000
6th Year Maintenance	2400	1100	22	24200	10	48200	2024-25	70%	33740	337400
7th Year Maintenance	2400	1100	22	24200	10	48200	2025-26	80%	38560	385600
8th Year Maintenance	2400	1100	22	24200	10	48200	2026-27	90%	43380	433800
9th Year Maintenance	2400	1100	22	24200	10	48200	2027-28	100%	48200	482000
10th Year Maintenance	2400	1100	22	24200	10	48200	2028-29	130%	62660	626600
Total										1926440
Contingencies @ 5%										96322
Total cost of CA Scheme										2022762
Departmental Charges @ 17.5%										354434
G. Total										2377196

Divisional Forest Officer
Theog Forest Division, Theog

Er. R.C. Negi
CGM/Head of Project
[illegible]

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5. Technical Details:

Technical details of Compensatory Afforestation Scheme are as follows:

a) **General Details:** An area of 10 hectare will be taken up for planting under Compensatory Afforestation scheme in E-401 Bharoli Beat Himri, Block Gahuch, Kotkhai Range , Theog Division Survey-53 E/NE. The area will be protected by RCC Fence Post with four strands of Barbed wire fencing and a mixture of conifer and broad leaved species will be planted @ of 1100 tall plants per hectare.

b) Spacement 3 mtrs3 mtr.

c) Species: *Cedrus deodara ,Taxcuius indica,Juglans regia, Alnus nitida ,Robinia Pseudoacacia,Pinus roxburghi*, etc.

d) Plantation Method: Nursery grown 2.5 year old plants in Polythene bags as well as naked roots will be planted in 30x30x30 cm. and 45x45x45 cm and 60x60x60cm pits/patches in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent ten years in which betting up of failures will be done. The plantation will be rain-fed.

e) Soil and Moisture Conservation works.

f) Protection(Fencing, Watch man, People's Participation etc.):-Area will be protected from grazing by erecting RCC fence Post with barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be covered through regular departmental staff.

g) Proposed Monitoring Mechanism: The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from Theog, Chaila, Guma road.)

h) Any other information: Nil.

Dated: 12/12/2012
Place: Theog.

Divisional Forest Officer,
Theog Forest Division, Theog

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

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Full Title of the project: Chhatrad Dam HEP on Sutlej river
File No.
Date of Proposal

CHECK LIST SERIAL NUMBER 17

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for 40 hectare Compensatory Afforestation to be carried out in lieu of 397.8863 for Chhatrad HEP on Sutlej river.

1. Detail of degraded forest land/ Non- Forest land

Village	Bharedi/
Tehsil	Kotkhai/Theog
District	Shimla, H.P.
Forest Division	Theog Forest Division
Forest Range	Kotkhai/Rohroo
Block No./Compartment No./Survey No	(1-45) Bharedi, Hatar beat, Gohach Block of Kotkhai range and Theog Forest Division
Area to be afforested	16 hectare

2. Description of the Area

i)	Whether the site selected for Compensatory Afforestation is a land bank or not	Yes, the area selected is a land bank
ii)	If the CA site is other than the land bank, reasons be given	CA has been proposed in identified land bank.
iii)	In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	NA
iv)	Soil type	Clayey loam
v)	Topography a) Hilly / Undulating /Plain b) Slope: Steep/Medium/Gentle	Hilly
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

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BILL FOR COMPENSATORY AFFORESTATION SCHEME TO BE CARRIED IN LIEW OF DIVERSION OF 297.8863 HA FOREST LAND FOR C/O SHNP DAM IN SIRMLA, KOTGARH AND KARSOG FOREST DIVISION

Approximate area where Encroachment/Afforestation not be done in hac — 10
Plants to be planted per hectare — 1100
Total number of plants to be planted — 11000

1	2	3	4	5	6	7	8	9	10	11
Particulars of works	Unit cost of wage structure per ha. For 2018-19, including labour cost	No. of Plants	Plants @ 22/- Rs	Total amount of plants	Area in ha.	Total cost (col.2xcol.5)	Year of execution of work	Cost escalation	Unit cost after applying cost escalation (Col.7+8)	Total amount (Col.3 x 10)
Initial cost for raising CA over an area of CA	7960	11000	22	242000	10	1020960	2021-22	20%	122040	1342440
1st Year Maintenance	8000	4400	22	96800	10	456480	2022-23	20%	21220	197320
2nd Year Maintenance	4950	2200	22	48400	10	184750	2023-24	25%	21410	139110
3rd Year Maintenance	2915	1100	22	24200	10	82500	2024-25	40%	21340	74680
4th Year Maintenance	2915	1100	22	24200	10	33550	2025-26	30%	26675	80025
5th Year Maintenance	2915	1100	22	24200	10	33550	2026-27	60%	52010	156030
6th Year Maintenance	2915	1100	22	24200	10	33550	2027-28	90%	53385	160155
7th Year Maintenance	2915	1100	22	24200	10	33550	2028-29	80%	43080	129240
8th Year Maintenance	2915	1100	22	24200	10	33550	2029-30	70%	40015	120045
9th Year Maintenance	2915	1100	22	24200	10	33550	2030-31	100%	53370	160110
10th Year Maintenance	2915	1100	22	24200	10	33550	2031-32	150%	38025	114075
Total										2261570
Contingency Charges @ 5%										113079
Establishment Charges										281345
Supervision Charges @ 15%										404178
G. Total										2734100

Divisional Forest Officer
Theog Forest Division, Theog

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5.Technical Details:

Technical details of Compensatory Afforestation Scheme are as follows:

General Details: An area of 10 hectare will be taken up for planting under Compensatory Afforestation scheme in U-491 Bharell, Rinzi beat, Gabarh Block of Kothkai range and Theog Forest Division. The area will be protected by RCC, Fence Post with four strands of Barbed wire fencing and a mixture of conifer and broad leaved species will be planted @ of 1100 still plants per hectare.

a) Spacement 3 meter3 mtr.

b) Species: Cedrus deodara, Pinus indica, Juglans regia, Abies pindrow, Robinia Pseudoacacia, Pinus roxburghii, etc.

c) Plantation Methods: Nursery grown 2-3 year old pants (in Polythene bags as well as naked root) will be planted in 30x30x30 cm. and 45x45x45 cm and 60x60x60cm pits/patches in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent ten years in which beting up of failures will be done. The plantation will be rain-fed.

d) Soil and Moisture Conservation works.

e) Protection(Fencing, Watch man, People's Participation etc.): Area will be protected from grazing by erecting RCC fence Post with barbed wire fencing at all vulnerable places around the plantation. Further watch and ward alongwith fire protection will be ensured through regular departmental staff.

f) Proposed Monitoring Mechanism: The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GoI representatives as per instructions. The plantation site will be approachable from Theog Chhailla, Gumma road.]

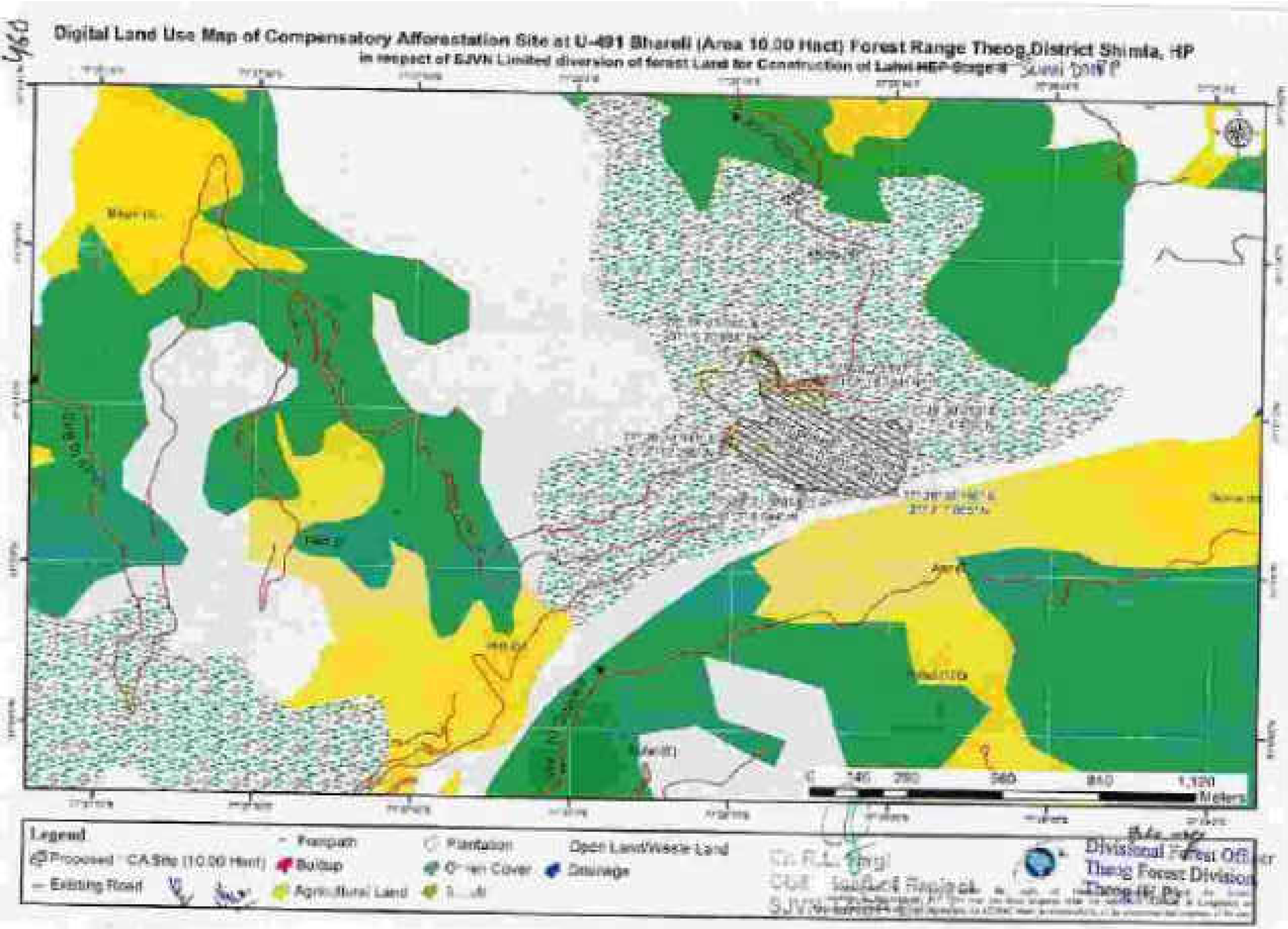
g) Any other information: N.I.

Dated:
Place: Theog.

Divisional Forest Officer,
Theog Forest Division, Theog

Digital Land Use Map of Compensatory Afforestation Site at U-491 Bharali (Area 10.00 Hect) Forest Range Theog,District Shimla, HP

in respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP-Stage-II



Divisional Forest Officer
Theog Forest Division
Theog (H.P.)

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Calculation Sheet of Compensatory Afforestation for the diversion of 397.16.92ha. in SJVN Limited for the construction Sunni Dam Hydro Electric Project) Distt Shimla .Regarding preparation of CA Scheme for the land bank 10hac. provided by this division for your project.

Particular of works.	Area under CA scheme (In Hact.)	Norm fixed for 2018-19 at the wage rate of Rs.225/- per day.	Year of execution of works	Cost Escalation of 10% rate for each financial year	Tytal amount of CA
(a) Initial cost for Plantation	10hac	81900	2019-20	90090	900900/-
Soil Cursservation Works				L/s	50,000/-
					950900/-
(b) 1st year maintenance	10hac	12460	2020-21	13710	137100/-
2nd year maintenance	10hac	8340	2021-22	9180	91800/-
3rd year maintenance	10hac	4270	2022-23	4700	47000/-
4th year maintenance	10hac	2400	2023-24	2640	26400/-
5th year maintenance	10hac	2400	2024-25	2640	26400/-
6th year maintenance	10hac	2400	2025-26	2640	26400/-
7th year maintenance	10hac	2400	2026-27	2640	26400/-
8th year maintenance	10hac	2400	2027-28	2640	26400/-
9th year maintenance	10hac	2400	2028-29	2640	26400/-
10th year maintenance	10hac	2400	2029-30	2640	26400/-
			Total Maintenance		455300/-
			Total (a+b)		**1406200/-**
Departmental Charges				17.5%	246085/-
Contingencies				5%	70310/-
				Total	**17,22,595/-**
				Or Say	**17,22,600/-**

(Rupees Seventeen lakh and twenty two thousand six hundred only)

Note: Rates as per schedule rate for Pr.CCF (HoFF) HP, 2018-19 (vide letter No. FS/Estt CAMPA/2010/Norms/Vol/II/ dated 30/05/2018) onwards and current market price of materials .Cost norms subject to change at the time of execution of works at the plus prevailing rates.

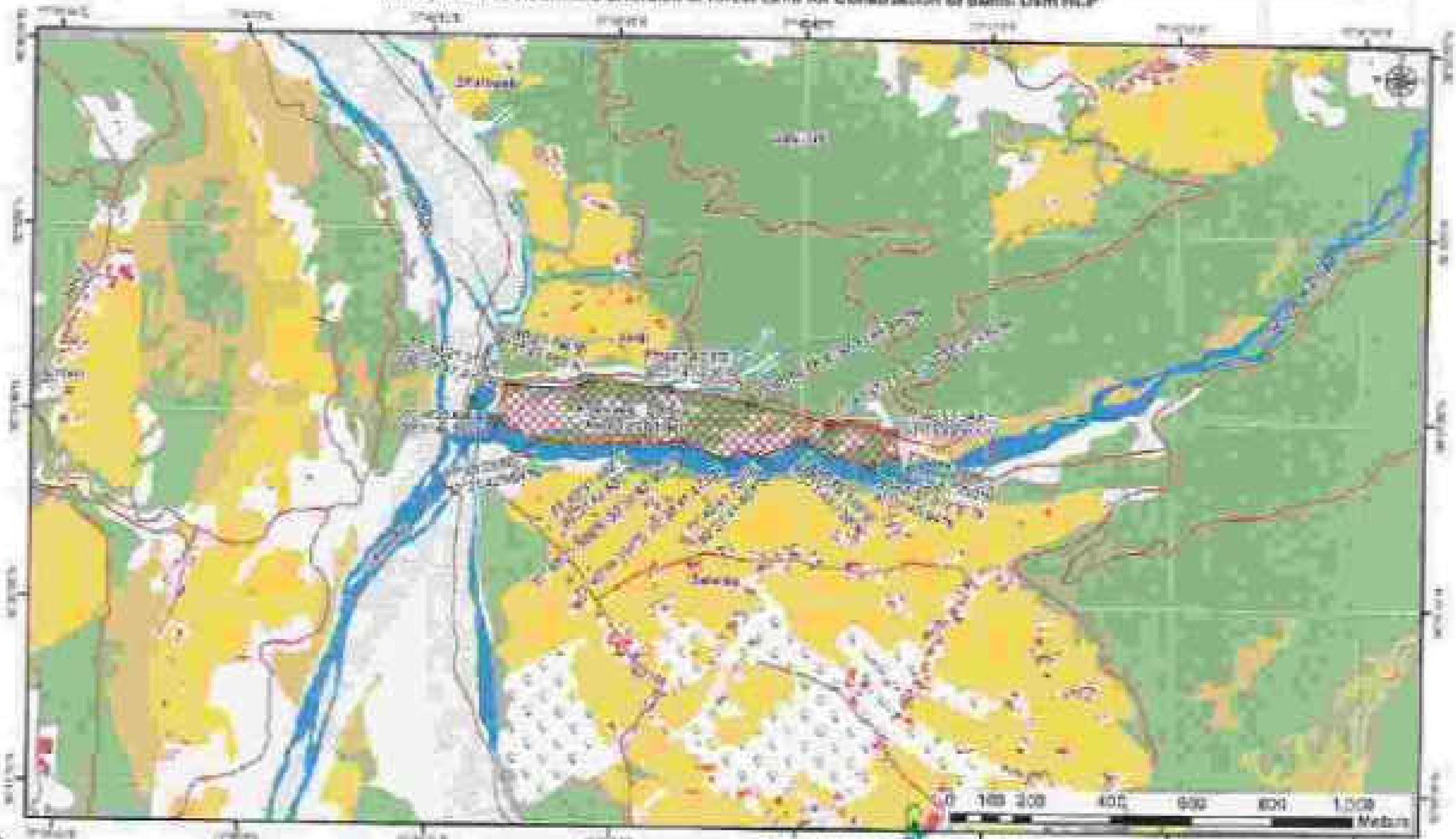
Divisional Forest Officer,
Rampur Forest Division,
Distt. Shimla H.P.

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

784

Digital Land Use Map of Compensatory Afforestation Site at RF Janjali C-4 (Area 19.00 Hect) Forest Range Kaffota,District Sirmour, HP

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



Divisional Forest Officer
Rroukha Ji Forest Division
Shere Rroukha Ji

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

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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 397.16-92 ha forest land for construction of Sunni Dam HEP on Satluj River within jurisdiction of Shimla, Kotgarh and Karsog Forest Division UNDER SECTION 2 OF FCA,1980 H.P.

1. Details of degraded forest land/non forest land:- UFT Jabo=10 hac., UFT Khadvi=8 hac. & I/31 Thakrwal hac. Total=28 hac..

   District:- Kullu. Tehsil :- Ani.
   Name of Forest Division :- Ani Range :- Chowai
   Block/Compartment/Survey No:- 1143/7

2. Description of area:-
   1) Whether the site selected for Compensatory Afforestation in a land bank or not:- Yes
   2) If the CA site is other than the land bank, reasons be given:- Not applicable.
   3) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:- Not applicable.
   4) Soil type:- Clayey loam/Sandy.
   5) Topography :- a. Hilly/undulating. b. Slope: Steep/ Medium/Gentle.
   6) 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:-

Particulars of works	Unit cost at wage structure for 2019-20 onwards	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 4 hectare with 4 strand barbed wire in RCC fence post and cost of plants @ 19.28/- for raising nursery	95400	2020-21	10%	104940	2621360
1st year maintenance	34150	2021-22	20%	16980	424500
2nd year maintenance	9450	2022-23	30%	12285	307125
3rd year maintenance	4900	2023-24	40%	6860	171500
4th year maintenance	4900	2024-25	50%	7350	183750
5th year maintenance	4900	2025-26	60%	7840	196000
6th year maint.	4900	2026-27	70%	8330	208250

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

7th year maint.	4900	2027-28	80%	8820	220500
8th year maint.	4900	2028-29	90%	9310	232750
9th year maint.	4900	2029-30	100%	9800	245000
10th year maint.	4900	2030-31	110%	10290	257250
				Total =	**5970125**
				Departmental charges @ 17.5% =	887272
		Sub Total			**5957397**
				Contingencies @ 3% =	253506
				G. Total =	**6210903**

5. **Technical details:-**

Technical details of Compensatory Afforestation scheme are as follows:-

(a) General details:- An area of the 90 ha. will be taken up for planting under Compensatory Afforestation scheme in land banks having 4 compact patches. The area will be protected by Barbed wire fencing in RCC fence posts in four strands and a mixture of conifer and broad leaved species will be planted. 1500 plants will be planted per hectare.

(b) Spacement:- 3 mtr X 3 mtr

(c) Species:- Deodar, Kail & BL species.

(d) **Plantation Method:-** Nursery grown 3½ to 2½ year old plants (in Polythene bags as well as naked root) will be planted in 30 X 30 X 30 cm and 45 X45 X 45 cm pits in the selected area. Bush cutting will be done only in the planted 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 and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil Conservation Works like gully plugging, check walls be done where ever required.

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

(g) **Proposed monitoring Mechanism:-** The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from motorable roads.

(h) **Any other information:-** Nil

Divisional Forest Officer,
Ani Forest Division at Luhri

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

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COMPENSATORY AFFORESTATION-FENCING RCC FENCE POSTS
NORMS FOR NEW PLANTATION IN NON-TRIBAL AREAS FOR 2019-20
(MODEL: 100 PLANTS PER Hectare-Activity wise estimation.

Sr.No.	Particulars of Works	Unit	Qty.	Rate per Unit at the wage rate of Rs. 150/-	Mandays involved	Amount at wage rate fo Rs. 225/- for Non-Tribal areas	Amount at wate rate of Rs. 250/- for non Tribal areas.
	A/Survey, Demarcation & Fencing						
1	Survey and demarcation of plantation area	ha.	1	101	0.67	151.5	168.33
2	Preparation/ Pushare of RCC fence post	Nos	50	356	0	12600	17900
3	Carriage of RCC Fence Post upto 100 m lying over a distance of 2KM uphill/downhill	Nos	50	33.5	22.33	5025.0	5583.33
4	Preparation Digging of holes of 20x30x30cm for fixing of fence	Nos	50	9.06	3.02	679.5	753
5	Fixing of RCC fence posts in concrete by erecting	Nos	50	7.16	2.39	537.0	596.67
6	Carriage of Wires over distance 2Km uphill/downhill	per Km per quil	0.75	73.65	0.74	165.71	184.13
7	Stretching an fixing of Wires in 4 rounds	Rmt	600	4.8	19.2	4320.0	4800
8	Installing of Barbe Wire Fencing the fence	Rmt	150	4.09	4.09	920.5	1022.5
9	Cost of Wire	Quil	0.75	6516	0	4882.5	4882
	Total- A/Survey, Demarcation & Fencing						35891.96
					Or Say		**35900**
B	**Planting**						
1	Bush cutting in strip (3mX3m)	ha.	1	1192.8	7.95	1789.2	1988
2	Digging of pits of 45x45x45cm size	Nos	1100	9.54	69.96	15741	17490
3	Filling of pits of 45x45x45cm size	Nos	1100	2.72	19.95	4488	4986.67
4	Carriage of plants in Bhags over distance 2 Km uphill/downhill.	Nos	1100	3.9	27.87	6270	6966.67
5	Planting of plants raised in Bhags	Nos	1100	2.16	15.92	3597	3996.67
6	Construction of Inspection Path	Rmt	100	12	7.33	1650	1833.33
7	Cost of Sign Board, Carriage & Fixing	Nos	1	LS	0	450	450
	Total:- B/Planting						**37711.34**
					Or Say		**37700**
C	Cost of Bhags plants	Nos	1100			19.36	21298
	Total A+B+C						**95358**
					Or Say		**95400**

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

1st year maintenance (30% Beating up)

1	Re-digging of pits 45x45x45 cm.	No.s	330	4.77	10.49	2561	2623.1
2	Filling of pits 45x45x45cm	No.s	330	2.72	5.98	1548	1496
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill/plain	No.s	330	2.18	4.8	1079	1196
4	Planting of plants raised in P/bags	No.s	330	1.9	4.36	1881	2090
5	Repair of fencing	Rmt	60	2.8	0.72	162	180
					Total	**6830**	**7588.5**
					Or Say		**7600**
	Cost of P/bags plants	No.s/plant	330	19.78			6527.4
					G. Total		**14127.4**
					Or Say		**14150**

2nd year maintenance-20% beating up of failures

1	Re-digging of pits 45x45x45 cm	No.s	220	4.77	7	1524.1	1749
2	Filling of pits 45x45x45cm	No.s	220	2.72	3.99	3974	997.33
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	No.s	220	2.18	3.2	719.4	799.33
4	Planting of P/bags plants	No.s	220	1.9	5.57	1254	1393.33
5	Repair of fencing	No.s/rmt	60	1.8	0.72	162	180
					Total		**5118.99**
					Or Say		**5100**
	Cost of P/bags plants	No.	220	19.78			**4351.6**
					G. Total		**9451.6**
					Or Say		**9450**

3rd to 10th year Maintenance (10% Beating up)

1	Re-digging of pits 45x45x45 cm	No.s	110	4.77	3.5	787.05	874.5
2	Filling of pits 45x45x45cm	No.s	110	2.72	1.99	448.3	498.17
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	No.s	110	2.18	1.6	359.7	399.67
4	Planting of P/bag plants	No.s	110	1.9	2.79	527	896.67
5	Repair of fencing/rmt	No.s	60	1.8	0.72	162	180
					Total		**2849.51**
					Or Say		**2700**
	Cost of P/bags plants	No.s	110	19.78			2175.8
					Total		**4875.8**
					Or Say		**4900**

Er. R.L. Negi
CGM/Head of Project
NH, UHEP, Bilhal

Divisional Forest Officer
Ani Forest Division at Luhri

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Bill/scheme for CA in lieu of diversion of forest land proposed to be diverted for Sunni Dam HEP in respect of SJVN Ltd. within the jurisdiction of Ani Forest Division, District Kullu HP

Area proposed for compensatory afforestation	UPF Jabo =10 hac., UPF Khadvi =8 hac. & 1/31 Jhakru=7 hac. Total=25 hac.
Name of the proposed plantation area	UPF Jabo UPF Khadvi & 1/31 Jhakru
Plants to be planted per hectare	1100
Total number of plants to be planted	27500
Species to be planted	Deodar, Chill & BL

Particulars of works	Unit cost at wage structure for 2019-20 onwards	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 25 hectare with 4 stand barbed wire in RCC fence post and cost of plants @ 19.75/- for raising nursery	95400	2020-21	10%	104940	2623500
1st year maintenance	14150	2021-22	20%	16980	424500
2nd year maintenance	9450	2022-23	30%	12285	307125
3rd year maintenance	4900	2023-24	40%	6860	171500
4th year maintenance	4900	2024-25	50%	7350	183750
5th year maintenance	4900	2025-26	60%	7840	196000
6th year maint.	4900	2026-27	70%	8330	208250
7th year maint.	4900	2027-28	80%	8820	220500
8th year maint.	4900	2028-29	90%	9310	232750
9th year maint.	4900	2029-30	100%	9800	245000
10th year maint.	4900	2030-31	110%	10290	257250
				Total =	5070125
				Departmental charges @ 17.5% =	887272
Total				-	5957397
				Contingencies @ 5% =	253506
				G. Total =	6210903

Divisional Forest Officer
Ani Forest Division at Luhri

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

Digital Land Use Map of Compensatory Afforestation Site at 1/31 Jhakru (Area 7.00 Hect) at Chowai Forest Range Anni, District Kullu HP

In respect of SJVN Limited diversion of forest Land for Construction of ~~Luhri HEP Stage-II~~ Summi Dam HEP

Rarki
Khanoli
Lamidhar
Parsena
Nichar
Banahra
Pokhari
Jhakru PF
Karol

Legend

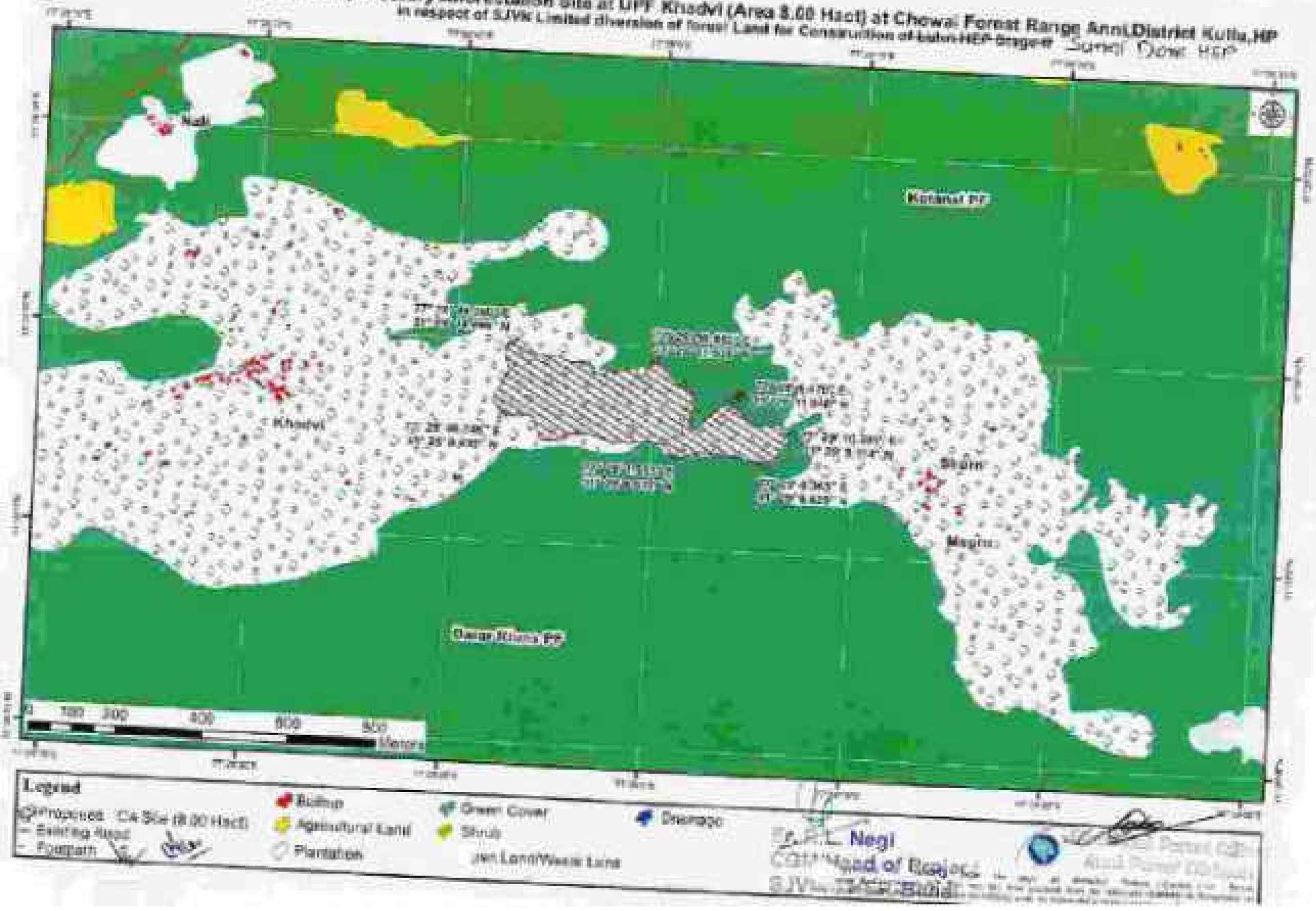
- Proposed CA Site (7.00 Hect)
- Existing Road
- Footpath
- Builtup
- Agricultural Land
- Plantation
- Green Cover
- Shrub
- Barren Land/Waste Land
- Drainage

Fr. R.L. Negi
CGM' 'sent of Project
SJVN ~~Luhri~~ Bothal

Map

Digital Land Use Map of Compensatory Afforestation Site at UPF Khadvi (Area 8.00 Hect) at Chowai Forest Range Anni,District Kullu,HP

In respect of SJVN Limited diversion of forest Land for Construction of Luhri HEP Stage-III (Unit: Dec. HP)



470

Digital Land Use Map of Compensatory Afforestation Site at UPF Jabo (Area 10.00 Hect) at Chowai Forest Range Anni,District Kullu,HP

in respect of SJVN Limited diversion of forest Land for Construction of ~~Luhri HEP Stage-II~~ Sunni Dave HEP

Kuthla

Jabo

Sangar

Legend

Proposed CA Site (10.00 Hect)

Existing Road

Footpath

Builtup

Agricultural Land

Plantation

Green Cover

Shrub

Drainage

Sr. R.L. Negi

CGM/Head of Project

SJVN SUNNI DAVE HEP

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CHECK LIST NO. 38

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

File No. [illegible]

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried-out in lieu of 0.7171 ha. Govt land to be diverted for construction of Sunni Dam, HEP (382 MW), on Sutlej River within jurisdiction of Karsog Forest Division in Distt. Mandi HP is given as under:-

1. **Detail of degraded forest land/ non-forest land**

   Distt. Mandi Tehsil Karsog

   Name of Forest Division:- Karsog Range: Seri

   Block/ Compartment/ Survey No. IIIBF7

   Name of CA area:- D-21 (Jahan Mal

   Area to be afforested :- 1.4343 ha.

2. **Description of area**

   II) Whether the site selected for Compensatory Afforestation is a land bank or not: No, degraded forest land.

   III) If CA site is other than the land bank, reasons be given: The CA site is selected as per the guideline/ letter No. 11-423/2011-FC dated 16.11.2018 & 02.04.2019.

   III) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: NA.

   IV) Soil type: Sandy loam

   V) Topography:

   (a) Hilly/undulatory/Plain: Hilly

   (b) Slope: Steep/ Medium/ Gentle: Medium to Gentle

   VI) Whether the area is bearing any root stock of vegetation: No tree species exist in the area expect for some bushes stuff.

3. **Plantation Model:-**

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

4. **Schedule of Plantation Programme:-**

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

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COMPENSATORY AFFORESTATION AREA OF 1.4342 HA. BY WAY OF RAW LAND MEASURING 0.7171 HA. WHICH HAS BEEN PROPOSED FOR DIVERSION FOR CONSTRUCTION OF SUTLEJ DAM IN RESPECT OF KARSOG FOREST DIVISION, KARSOG, DISTRICT MANDI, HIMACHAL PRADESH

C.A SKU

Sr. No.	Particulars	Area in ha.	Year	Rate per hac.	Cost escalation	Rate after applying cost of escalation	Amount
1	New plantation over an area of 1.4342 ha. in D-213 Nihari Nal Forest	1.4342	2020-21	85400	10%	126940	180505
2	1st year maintenance	1.4342	2021-22	14150	70%	16980	24353
3	2nd year maintenance	1.4342	2022-23	9500	30%	12350	17712
4	3rd year maintenance	1.4342	2023-24	4850	40%	6790	9735
5	4th year maintenance	1.4342	2024-25	4850	50%	7275	10362
6	5th year maintenance	1.4342	2025-26	4850	60%	7760	11129
7	6th year maintenance	1.4342	2026-27	4850	70%	8245	11825
8	7th year maintenance	1.4342	2027-28	4850	80%	8730	12521
9	8th year maintenance	1.4342	2028-29	4850	90%	9215	13218
10	9th year maintenance	1.4342	2029-30	4850	100%	9700	13914
11	10th year maintenance	1.4342	2030-31	4850	110%	10185	14607
						Total initial planting and 10 year maintenance:-	285879
						Added Departmental Charges @17.5%	50029
						Contingency Charges @5%	14494
						Grand Total	355302

5. **Technical Details:-**

i) **General Details:-** An area of 1.4342 hac. will be taken up for planting under compensatory scheme in D-213 Nihari Nal, which is degraded forest land. The area will be protected by barbed wire by fencing and a mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac @ 1100 plants per hec. (Mixture of plant shrubs and grasses).

ii) **Soil cement:-** 3mtr x 3mtr.

iii) **Species:-** Pine, Ashoria, Shisham, Banj etc.

iv) **Plantation Method:-** Nursery grown one year old plants (in Poly tube bags as well as rooted root) will be planted in 30x30x30cm. and 45x45x45cm 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 rain fed.

vi) **Soil and Moisture Conservation Works:-** Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done wherever required.

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

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viii) **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 site will be approachable from NH – 21 from Rampur.

viii) Any other information :- Nil

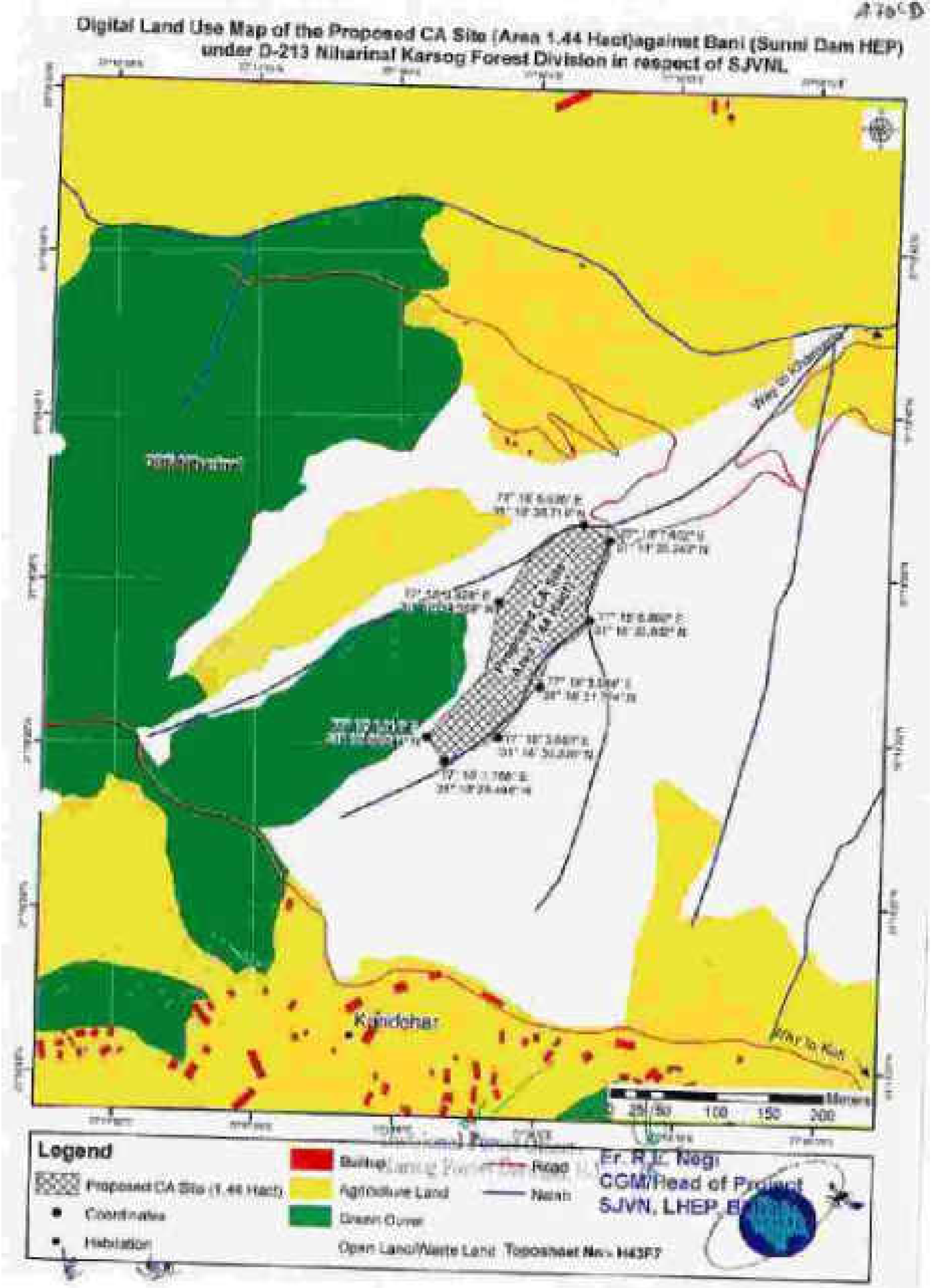
Date:
Place: Rampur

Sh. S.K. Thermal (HPS)
Divisional Forest Officer,
Rampur Forest Division, H.P.

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A 76 B

Digital Land Use Map of the Proposed CA Site (Area 1.44 Hect)against Bani (Sunni Dam HEP) under D-213 Niharinal Karsog Forest Division in respect of SJVNL



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

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470(E)

SJVN Limited

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)
A Mini Ratna & Schedule 'A' PSU
CI No.L40101HP1988GOI008308, Website: www.sjvn.nic.in

Sunni Dam Hydro Electric Project

(An old ISO 9001: 2015 Certified Project)

Undertaking

It is to certify that the CA schemes as submitted for 470ha of land banks for Sunni Dam HEP were got prepared from the concerned D.F.Os during the end of 2019. Now it will be very time consuming to get the CA schemes revised by them at such far flung areas during the period of COVID-19 pandemic. As the rates of CA schemes changes periodically, hence it is submitted that during the course of actual payments, all the bills of CA schemes which shall be revised by all DFOs as per latest notifications of HP forest department and SJVN (a Govt. Entity) hereby undertakes to make the payments as per latest rates.

For & on behalf of SJVN Ltd

Authorised Signatory
Name: P.L. Negi
Designation: Chief Engineer Project
SJVN, LHEP, Bithal

Date: 24/12/2020
Place: Bithal

Deputy Conservator of Forests
Karsog Forest Division H.P

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CHECK LIST- 19

Full Title of Project: - Construction of Sawni Dam HEP (382 MW).

File No :- FHP/PHYD/2019/2017

CERTIFICATE

It is certified that the Non Forest Land proposed/ selected for raising of compensatory afforestation to the tune of 122.05 hac in respect of Karsog Forest Division is suitable for plantation from management and protection point of view and is free encroachment/ encumbrance. It is further certified that the proposed land is not important from religious/ Archaeological point of view.

(RAJ KUMAR, HPFS)
Divisional Forest Officer,
Karsog Forest Division.

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472

CHECKLIST-20

Full Title of Project: - Construction of Sissa Dam HEP (202 MW).

File No. :- FP/HP/HYD/0161/2017

LAND SUITABILITY CERTIFICATE BY DFO CONCERNED

This is to certify that 32.9 hac. Non-forest land bearing in Mahal Kehar bearing Khasra No. 474,524/411,526/386, Khamrite bearing Khasra No. 763,1434/134,1432/1, Datcho bearing Khasra No. 481, Tundul bearing Khasra No. 762,774/675,776/633, Nanj bearing Khasra No. 600, Purana bearing Khasra No. 843/243/839, Silanog bearing Khasra No. 883 & Telchan bearing Khasra No. 1674/1589 compartment survey sheet No.F243F7 Seri & Oswalpur Blocks, Seri Forest Range and Mahal Randol bearing Khasra No. 1403 compartment survey sheet No.F143F3 of Tattapani Block, Pangna Forest Range Tehsil Kalpa District Kinnaur, H.P. identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments.

(RAJ KUMAR, HPFS)
Divisional Forest Officer,
Kalpa Forest Division,HP.

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CHECK LIST- 29

Full Title of Project:- Construction of Sawai Dam HEP (302 MW).

File No.:- FP/HP/HY/Diff/19/2017

LAND SUITABILITY CERTIFICATE BY DFO CONCERNED

This is to certify that 125 hac. forest land bearing in D-213 Nikari Nal C-III, D-252 Naga Nal C-Ia, D-248 Panyoia Forest compartment survey sheet No.F43F7 of Seri Block, Seri Forest Range & D-74 Parvain Forest compartment survey sheet No.H42F3 of Tangpani Block, Pangut Forest Range Tehsil Kaurik District Morni, H.P. identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments.

(RAJ KUMAR, HPFS)
Divisional Forest Officer,
Karsog Forest Division,HP.

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Full Title of the Project :- Diversion of 100. ha. of forest land in favour of Sunni Dam HEP on Sutlej river within the jurisdiction of Shimla ,Kalpark and Karsog Forest Division in Distt. Shimla and Mandi of H.P.

LAND SUITABLITY CERTIFICATE.

This is to certify that 100 ha. land bearing D-213 Kaba Forest of Dharampur Range (60 ha.) & R-54 Kurdev C-I Forest (40 ha.) Tehsil Kasauli Distt. Solan identified for Compensatory Afforestation is suitable for undertaking plantation from the Management point of view and is free from all sorts of encumbrances and encroachment.

Place - Solan
Date - 11-08-2020

(Dr. Nitin Kumar) IFS
Divisional Forest Officer (Shimla-I HP)
Solan Forest Division, Solan

Addl. General Manager
Envt. Deptt. UHEP
SJVN Ltd., Nirmal-172039

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Full Title of the Project:- Diversion of 397.16.92 ha of forest land in favor of Luhri Hydro Electric Project, SJVN ltd. for the construction of Sunni Dam HEP in Shimla , Kotgarh & Karsog forest Division in Dist. Shimla & Mandi .

Check list serial No.

LAND SUITABILITY CERTIFICATE BY DFO CONCERNED

It is to certify that **10 Ha** land in RF Janjali C-4 landbank of Janjali Beat & Sataun Block of Kalota Range **(Area 10hac.)**, Sri Renuka Ji Forest Division, Dist. Sirmour (H.P.) identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachments.

(Shreshtah Nand, HPFS)
Divisional Forest Officer
Sri Renuka Ji Forest Division
Distt. Sirmour, HP.

Place: Renuka Ji.
Date: 17.5.2010

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

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State Serial No. of the Proposal : -
Suit Title of the Project : - Sunni Dam HEP
File No. : -
Date of Proposal : -

L-76

Check List Sr. No.20.

LAND SUITABILITY CERTIFICATE

This is to certify that 25 Hectares Land bearing Survey no. / Compartment no. UPF Khadvi C-155, UPF Jabo C-125 & 1/31 Dhakru (H43F7) of village Khadvi, Jabo & Tipper Tehsil Ani District Kullu Himachal Pradesh identified for Compensatory Afforestation is suitable for plantation from management point of view and is free from all sorts of encumberances and encroachments.

Divisional Forest Officer
Ani Forest Division at Luhri
District Kullu (H.P.).

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

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472

JOINT CERTIFICATE REGARDING NON AVAILABILITY OF NON FOREST LAND FOR RAISING COMPENSATORY AFFORESTATION

This is to certify that all the Govt. waste land in this district are considered as forest land in view of the Notification Ft. 28-24/83/C/49 dated 25.02.1952 of Govt. of Himachal Pradesh according to which all Govt. waste land has been declared as protected forests. Hence there is no availability of suitable non forest land within the jurisdiction of Kotgarh Forest Division, Shimla District for raising compensatory afforestation in lieu of diversion of 37-38-39 ha. forest land comprised Khasra No. as mentioned in check list serial No.6 for construction of Sirmal Dam Hydro Electric Project in District Shimla H.P. under the jurisdiction of Forest Division Kotgarh, District Shimla H.P.

Collector,
Shimla District, Shimla H.P.

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

S.F. Rana
Head of Project
SJVN Ltd. HEP, Sirmaur

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Er. R.K. Negi
Head of Project
KVK Leh

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CHECK LIST- 21

Full Title of Project: - Construction of Sunai Dam HEP (382 MW).

File No :- FP/HP/HYD/3101/2017

CERTIFICATE

It is certified that this Division is available Non-Forest Land for raising of compensatory afforestation and proposed for CA 132.95 hac. in lieu of diversion of forest land for construction of Sunai Dam HEP (382MW), which is suitable for plantation from management and protection point of view and is free from encroachment/ encumbrance.

(RAJ KUMAR, HPFS)
Divisional Forest Officer,
Karsog Forest Division.

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SJVN Limited

(A joint venture of Govt. of India and Govt. of H.P.)
A Mini Ratna & Schedule 'A' PSU
Luhri Hydro Electric Project
(Under the Bilaspur-Mandi-Leh Railway Project)

Notice of Environment Clearance

The Ministry of Environment, Forest and Climate Change has accorded Scoping/TOR approval for Nanti Dam Project vide letter no. No. J-12011/14/2017-IA.I. dated 29.06.2017. Accordingly, the work for preparation of EIA/EMP report has been awarded to M/s Vedanta Sesa Goa Ltd., Gurugram, Haryana. The EIA/EMP report is under preparation stage.

Date: 22.11.2018
Place: Bilaspur

Er. R.S. Negi
Head of Project
Nanti Dam H.E. Project
SJVN Ltd.

Regd. & Corporate Office: Shakti Bhawan, New Shimla-171009 (H.P.)
Website: www.sjvn.nic.in, CIN: L40101HP1988GOI008409
Head Office of Project: Office of PD, Nanti H.E. Project, Post Office Sholtu, Distt. Shimla (H.P.)
Phone No. 01782-271807, Fax No. 01782-271636
E-mail: sjvnlpdnanti@gmail.com

Er. R.S. Negi
Head of Project
SJVN Ltd. P. Bilhal

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

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

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

AGM (Civil)
Sunni Dam H.E. Project,
Sunni

HOP
SHEP
Bilaspur

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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, Bilhal

Divisional Forest Officer,
Karsog Forest Division, HP

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Proposed Sunni Dam Hydro Electric Project

Tentative detail of Land owners, Landless, Houseless and others

Sr No.	Description	Nos.	Total
1	Land owners	2281	2291
2	Land owner families	560	568
3	Landless owners (General)	2006	
4	Landless families (General)	502	(Sr. No. 3+5) =2081
5	Land owners (SC)	279	(Sr. No. 4+6) =568
6	Land owner families (SC)	66	
7	Houseless persons	39	
8	Houseless families	09	(Sr. No. 7+9) =9
9	Houseless persons (SC)	10	(Sr. No. 8) 10=10
10	Houseless families (SC)	02	
11	Landless persons	131	
12	Landless farmers	30	(Sr. No. 11+13) =343
13	Landless persons (SC)	52	(Sr. No. 12+14) =61
14	Landless families (SC)	11	

Ex. N... Negi
Head of Project
... LHDP Sunni

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SJVN Limited

(A joint venture of Govt. of India and Govt. of H.P.)
A Mini Ratna & Schedule 'A' PSU
Luhri Hydro Electric Project
(An ISO/IEC 9001:2008 Certified Project)

Undertaking to provide copy of the approval of competent authority to the Catchment Area Treatment Plan (CAT Plan)

It is certified that the project specific CAT Plan of Sunni Dam HEP is under preparation stage in line with Comprehensive Catchment Area Treatment Plan of Satluj basin as prepared by Himachal Pradesh Forest Department. I hereby, undertake to provide the " copy of the approval of competent authority to the Catchment Area Treatment Plan (CAT Plan)" before the forest proposal is forwarded to the Ministry of Environment, Forest and Climate Change, New Delhi.

Date: 26.12.2017
Place: Bilhal

(R. L. Negi)
Project
Er. R.L. Negi
CGM (Hydro) & Project
SJVN, LHEP, Bilhal

Divisional Forest Officer,
Energy Forest Division, Rampur

485

the banks will be planted with suitable tree species. In areas with moderately steep slopes indigenous, economically important, soil binding tree species, which are able to thrive well under high humidity and flood conditions, will be planted. The cost of plantation in the area of reservoir for 43 ha @ Rs. 1.50 lakh/ha has been assessed as Rs. 10.23lakh and is included in Green Belt Development Plan under Section 10.6of this report

10.7.5 Cost Estimate

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

Table 10.48: Cost of Reservoir Rim Treatment

S.N.	Particulars	Amount (Rs. Lakh)
1	Land Slide zone Protection	381.53
2	Cost of 530m Protection Wall	138.09
Total		520.62
say		561.00

10.8 MUCK MANAGEMENT PLAN

10.8.1 General

For construction of different components of Luani Dam HEP, open and underground excavation shall be carried out in overburden and rock. The excavation shall result in large quantity of excavated material i.e. muck which shall have to be evacuated, disposed of and roller compacted or laid on mild slopes participate with the excavation work, in such designated areas where the muck piles do not substantially interfere with either environment / ecology or the river flow regime and cause turbidity increasing the quality of water. The disposal of muck has to be scientifically planned keeping in view the pecuniary aspects necessitating nearness to the generating component of work, which understandably reduce the travel time of dumpers, interference to surface flow and ground water aquifer, and disposition of habitation. In the present case, the total quantity of muck / debris, to be generated due to the project, shall be 15.45 lakh cum, out of which 11.59 lakh cum (75%) shall be consumed as project work leaving 3.86 lakh cum, which with 45% swell factor shall amount to 5.60 lakh cum to be disposed off away from sites so as to make available the clear site for construction activities. The muck which is suitable for use as aggregate material for concrete as wearing and non wearing surface, backfill concrete and for bench development, retaining walls and creation of job facilities, widening of the road shall be properly stacked. The muck unsuitable for use in concrete etc. shall be dumped on slopes and treated to mix and match with the surrounding environment with least change in landscape. Component wise details of the muck generated and its management is given in **Table-10.49**. The location of all dumping sites is depicted in **Figure-8.1**.

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

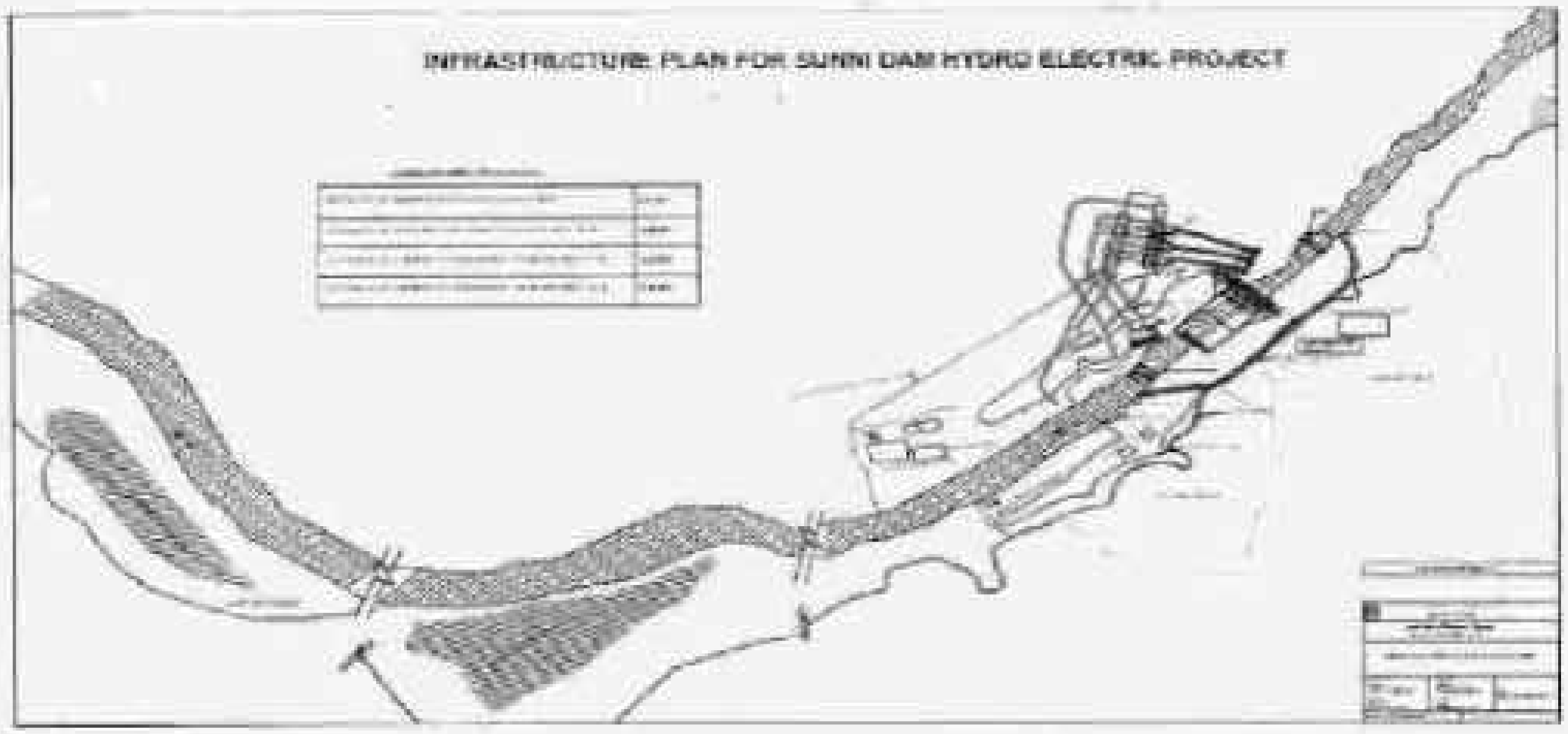


Table 10.50: Location of Muck Disposal Sites

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

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PDF Compressor Free Version

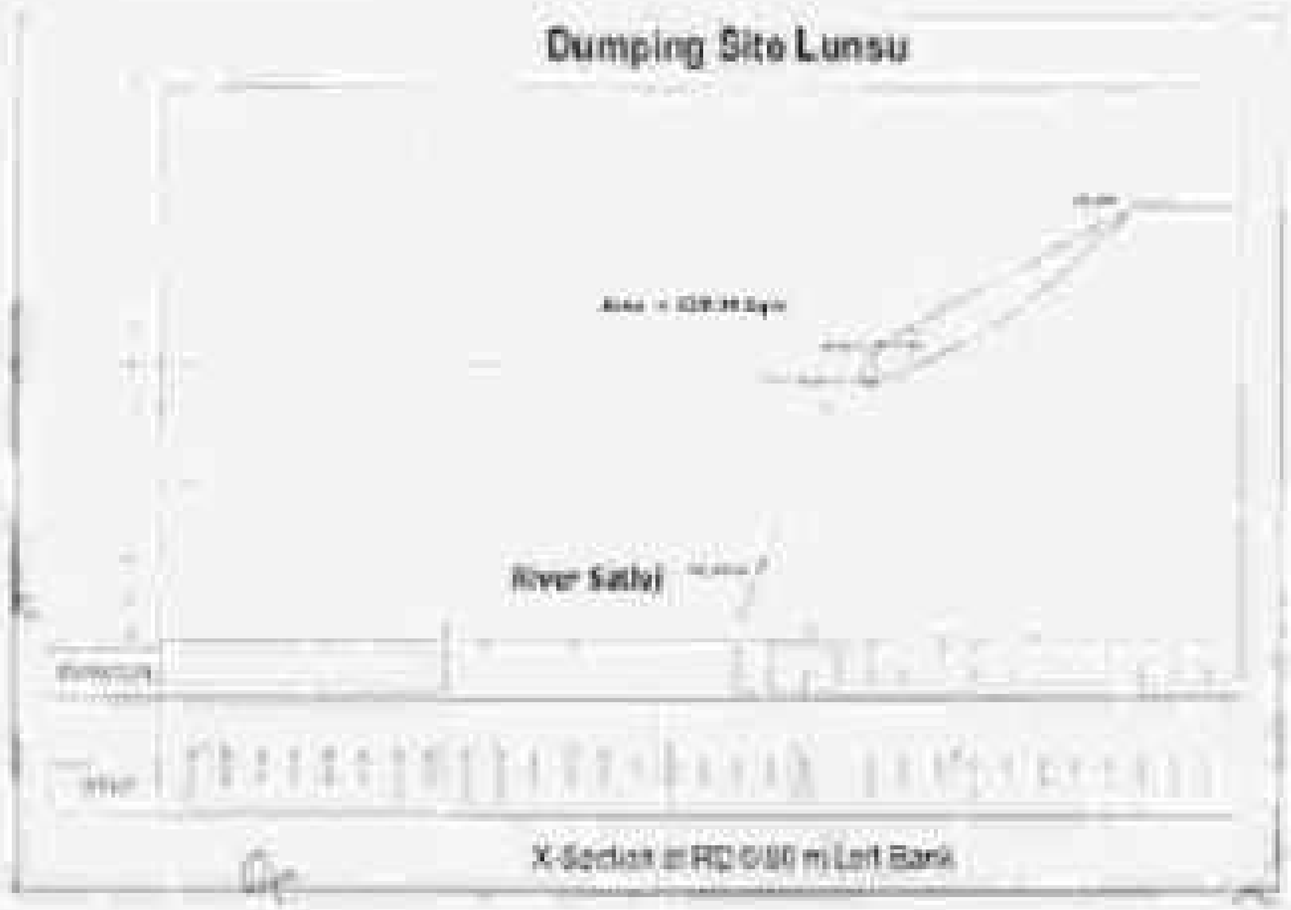


Table 10.53: Typical Cross-Section of Dumping Site D-1

10.8.3 Implementation of Engineering & Biological Measures

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

10.8.3.1 Engineering Measures

It has been observed that after excavation the disposal of muck creates problem as it is susceptible to scattering unless the muck disposal yards are supported with engineering measures such as retaining structures, crate walls and gabions. All the dumping sites need proper handling to avoid spilling of muck either on the adjoining land or into the river water while dumping and in the post dumping stages. The muck disposal sites shall have to be developed from below the ground level by providing 10 m high 300 m long RCC Counterfort retaining wall and also10 m high 300 m long plain concrete retaining wall. The retaining wall shall be kept at least 30m away from the point of intersection of HFL of the river with the hill slope. Launching apron of boulder wire crate shall be placed in front of the retaining wall. After construction of retaining wall the muck brought in dumpers shall be dumped and manually spread behind the wall. the muck shall be laid with vertical angle not exceeding 280 in such a manner that rock mass is properly stacked behind the wall with minimum of voids. The muck pile shall be later covered with geo-Geo coir textile properly held to the ground by steel wire U-nails and rehabilitated by afforestation of herbs and shrubs. Geo-coir textile should also be provided on surface of muck piles where top surface is to be vegetated.

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

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

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

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

10.8.4 Species for Plantation

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

10.8.5 Cost Model for Plantation

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

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

S. No.	Particular	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
A	PLANTATION:				
D.1	GRASS SLIP PLANTING AND GRASS SEED SOWING:				
1	Preparation of soil mixture (soil, sand, humus & compost) including digging, pathwise, drainage in the site of work and moving at site.	75.00	Cum.	450.00	43750
2	Digging of staggered patches 1 m x 0.50 m x 0.30 m @ 100 patches/ha	75.00	Cum	80.00	3750
3	Filling of staggered patches with improved soil mixture	75.00	Cum	15.00	1125
4	Extraction of grass slips from nursery beds @ 50 slips per patch.	15000	Per Slip	0.12	1800
5	Carriage of grass slips from nursery to work site.	15000	Per Slip	0.15	2250
6	Planting of the extracted grass slips in above patches	15000	Per Slip	0.38	4500

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CGM Head of Project
SJVN, LHEP, Tuirial

S. No.	Particulars	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
3	Filling of pits (45cm x 45cm x 45cm) for R/L plantation with imported soil mixture.	600	Nos.	1.27	762
4	Extraction of plants from nursery beds.	600	Nos.	0.25	150
5	Carriage of plants from nursery to the work site over an average distance of 10 Km (hilly carriage).	600	Nos. per Km	0.17	1020
6	Planting of R/L plants in pits including watering.	600	Nos.	0.80	320
7	Mulching of R/L plants with grass.	600	Nos.	0.30	180
8	Cost of plants (from nursery).	600	Nos.	4.00	2400
TOTAL					58360
(vi)	MAINTENANCE:				
1	1st year maintenance.	1	Ha.	4000	4000
2	2nd year maintenance.	1	Ha.	3600	3600
3	3rd year maintenance.	1	Ha.	3200	3200
4	4th year maintenance.	1	Ha.	2800	2800
5	5th year maintenance.	1	Ha.	2400	2400
6	Watering and weeding of plantation for 3 years (42 months @ 1000/-) including irrigation during lean months.	1	Ha.	7000	42000
TOTAL					59800
B.	MFS CONSERVATION:				
1.	Construction of gabion drops, small check walls/dams etc.			LS/Mt. W/A	50000
TOTAL (A) + (B)					
GRAND TOTAL					4,83,432

10.8.6 Cost Estimate for Muck Management Plan

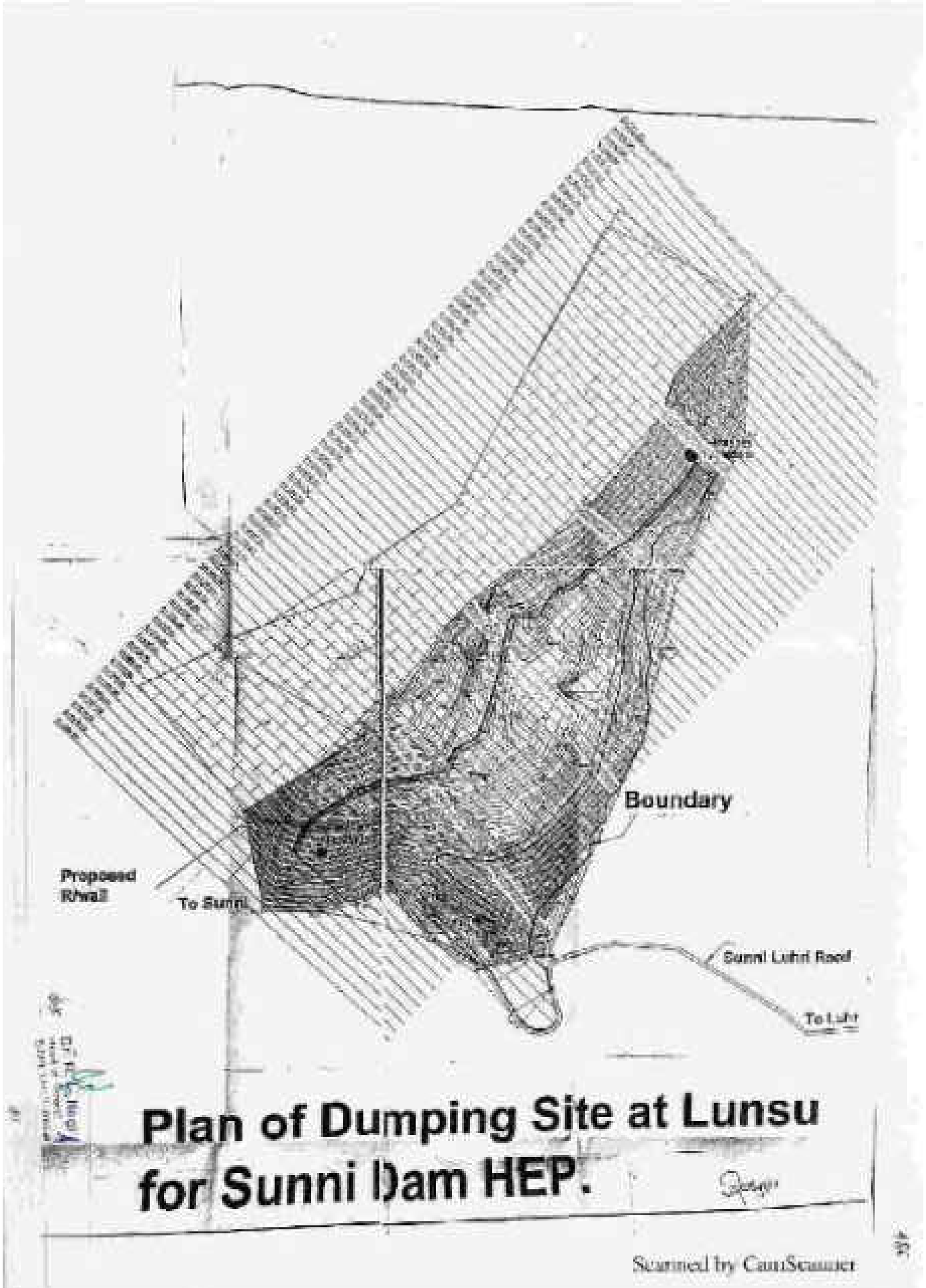
The cost estimate for muck management plan including engineering, biological, bio-technological measures and maintenance is provided in **Table-10.55.**

Table 10.55 Cost Estimate for Muck Management Plan

Sl. No.	Particulars	Quantity	Unit	Rate (Rs.)	Amount (Rs. lakh)
A. Engineering Measures					
1	10m high Plum concrete retaining wall for @ 1 site in 380m length	380	RM	137138	481.08
2	10m High RCC Counterfort retaining wall for @ 1 site in 300m length	300	RM	142088	426.32
3	Channelisation of Nallah by placing gi wire boulder crates with mesh size 15cmx15cm	200	RM	23.847	64.08
Sub-total (A)					971.58
B. Ecological Measures					
1.	Plantation of muck disposal sites	1.0	ha	485432	34.27
2	Raised wire fencing on Jan High RCC plots	3.0	ha	26000	3.90

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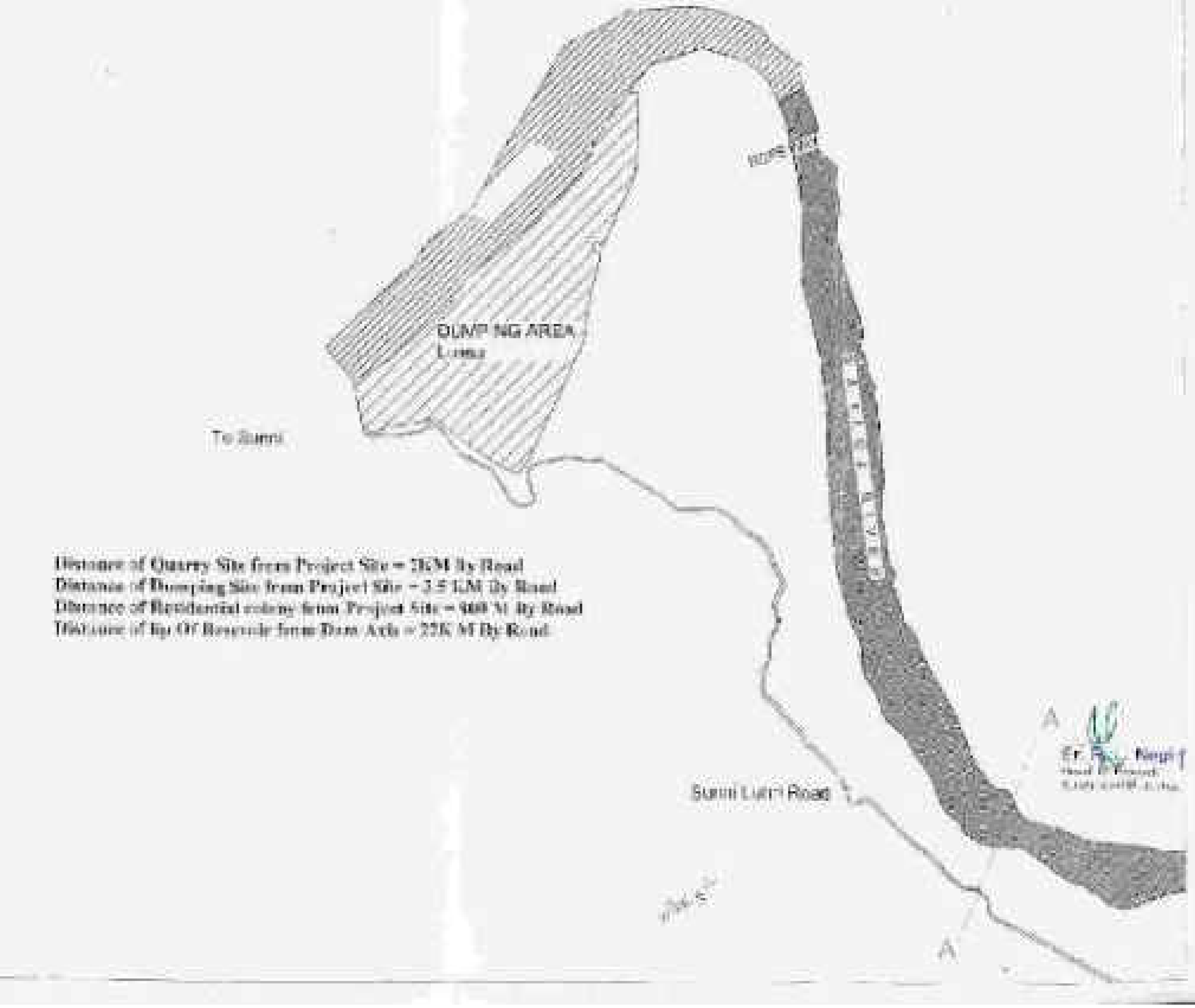
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Plan of Dumping Site at Lunsu for Sunni Dam HEP.

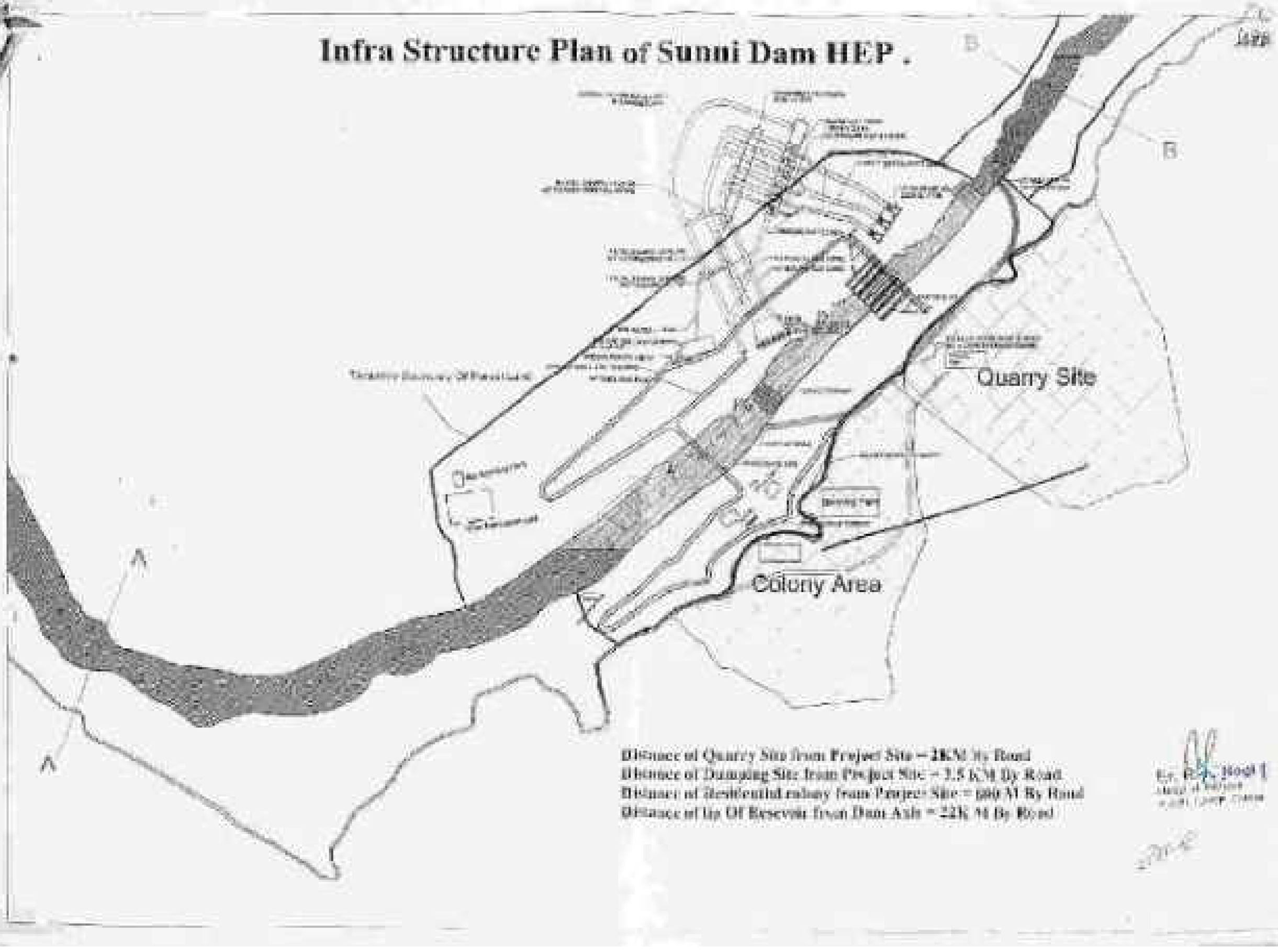
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Infra Structure Plan of Sunni Dam HEP .



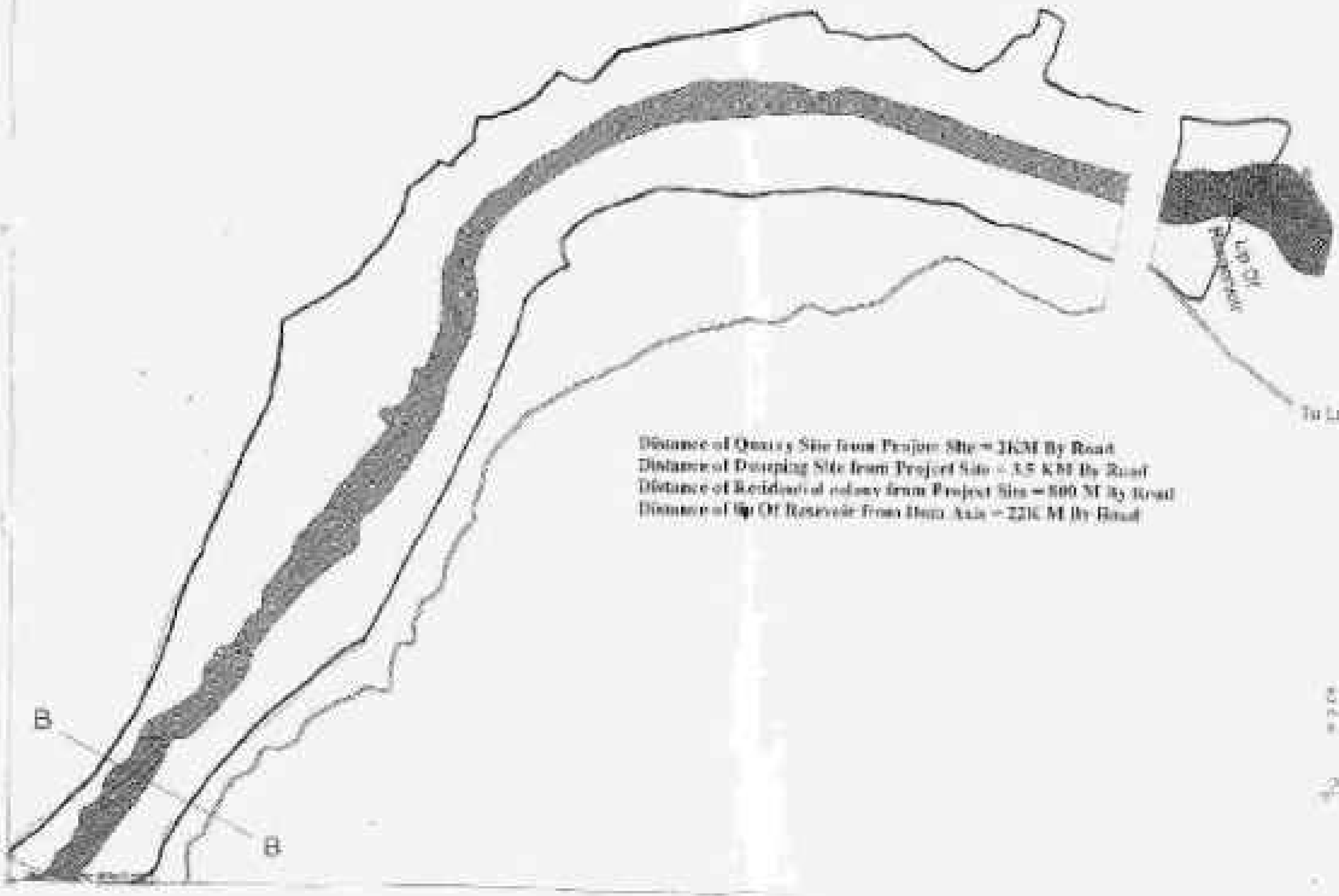
Distance of Quarry Site from Project Site = 2KM By Road
Distance of Dumping Site from Project Site = 3.5 KM By Road
Distance of Residential colony from Project Site = 900 M By Road
Distance of Sp Of Roorkee from Dam Axis = 225 M By Road

Infra Structure Plan of Sunni Dam HEP .



Distance of Quarry Site from Project Site = 2KM By Road
Distance of Dumping Site from Project Site = 2.5 KM By Road
Distance of Residential colony from Project Site = 500 M By Road
Distance of Up Of Reservoir from Dam Axis = 22K M By Road

Infra Structure Plan of Sunni Dam HEP .



Distance of Quarry Site from Project Site = 2KM By Road
Distance of Dumping Site from Project Site = 15 KM By Road
Distance of Residential colony from Project Site = 800 M By Road
Distance of Up Of Reservoir from Dam Axis = 2216 M By Road

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Asstt. Engineer
H.P.S.E.B. Ltd. Shimla

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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	00		629.48			
2	20	20	317.38	473.59	4735.93	
3	80	10	291.58	330.64	3306.40	
4	90	10	180.28	231.93	2319.30	
5	100	10	187.42	183.85	1838.53	
6	110	10	228.21	208.42	2084.25	
7	120	10	207.22	214.37	2143.65	
8	130	10	371.68	289.68	2896.75	
9	140	10	651.38	511.58	5115.80	
10	150	10	1360.87	1105.72	11057.00	
11	160	10	3579.35	2470.10	24701.10	
12	170	10	2445.33	2512.74	25127.40	
13	180	10	2785.93	2615.73	26157.35	
14	190	10	2636.75	2803.34	28033.35	
15	200	10	2538.38	2677.75	26777.45	
16	210	10	3248.48	2480.11	24801.10	
17	220	10	1910.49	2095.35	20953.85	
18	230	10	2226.82	2070.71	20707.05	
19	240	10	2512.78	2220.85	22208.50	
20	250	10	3316.79	2914.78	29147.85	
21	260	10	2508.90	2412.85	24128.45	
22	270	10	2787.48	2614.15	26141.50	
23	280	10	2720.41	2223.42	22234.20	
24	290	10	3154.96	2942.20	29422.00	
25	300	10	3298.81	3190.89	31908.95	
26	310	10	3215.85	3230.37	32303.70	
27	320	10	3177.68	3196.98	31969.05	
28	330	10	3038.24	3008.14	30081.30	
29	340	10	2735.03	2814.32	28171.30	
30	350	10	2377.05	2546.04	25460.40	
31	360	10	2052.58	2184.82	21848.15	
32	370	10	1688.33	1840.95	18409.80	
33	380	10	1244.09	1466.71	14667.05	
34	390	10	967.58	1105.84	11058.35	
35	400	10	747.29	857.44	8574.40	
36	410	10	587.58	667.44	6674.40	
37	420	10	481.75	509.67	5096.65	
38	430	10	398.79	305.27	3052.70	
39	440	10	141.96	228.38	2283.75	
40	450	10	94.82	139.39	1393.90	
41	460	10	96.36	95.44	954.40	
42	470	10	73.25	83.86	838.55	
43	480	10	62.39	67.78	677.75	
44	490	10	50.07	56.19	561.85	
45	500	10	48.79	53.03	530.30	
46	510	10	48.16	48.43	484.25	

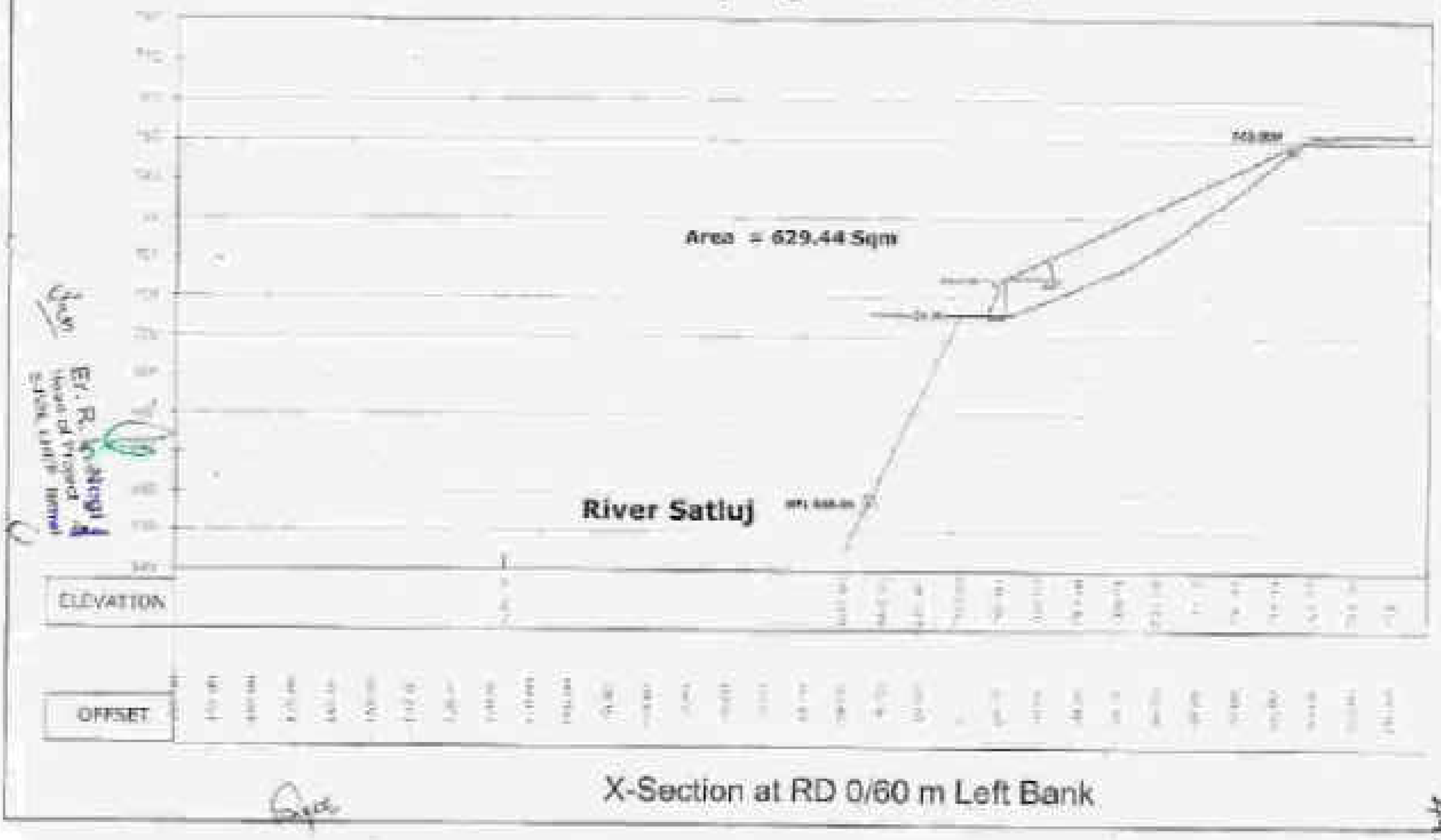
Er. R... Nepal
Head of Project
SDLHEP, Lunsu

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47	520	10	7015	87.10	870.25	
48	530	10	5021	72.57	726.20	
49	540	10	6285	64.53	645.30	
50	550	10	6405	68.45	684.50	
				Total	1695687.15	

Sr. E.E. Negi
Head of Project
SJVN Ltd. Nirmal

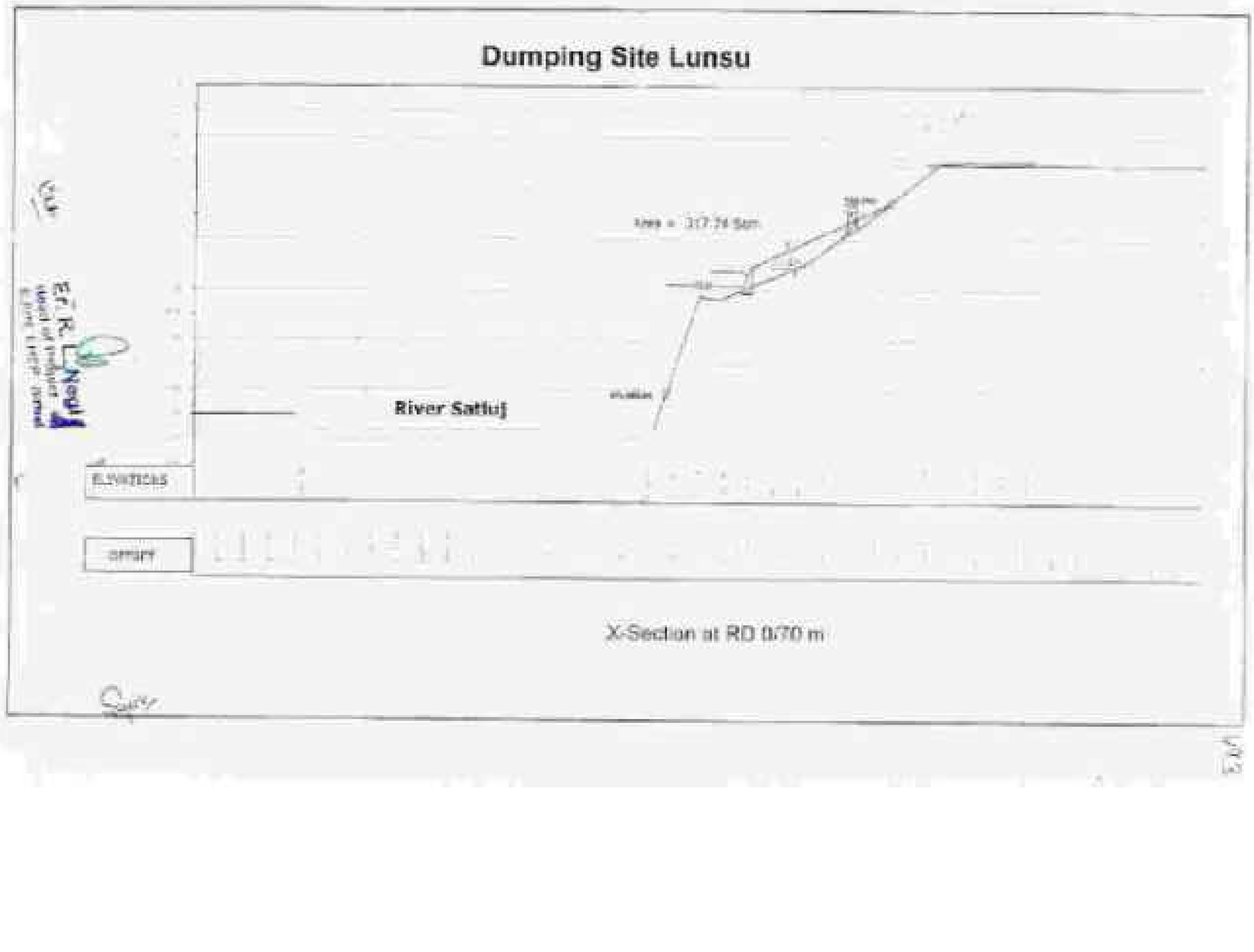
Dumping Site Lunsu



X-Section at RD 0/60 m Left Bank

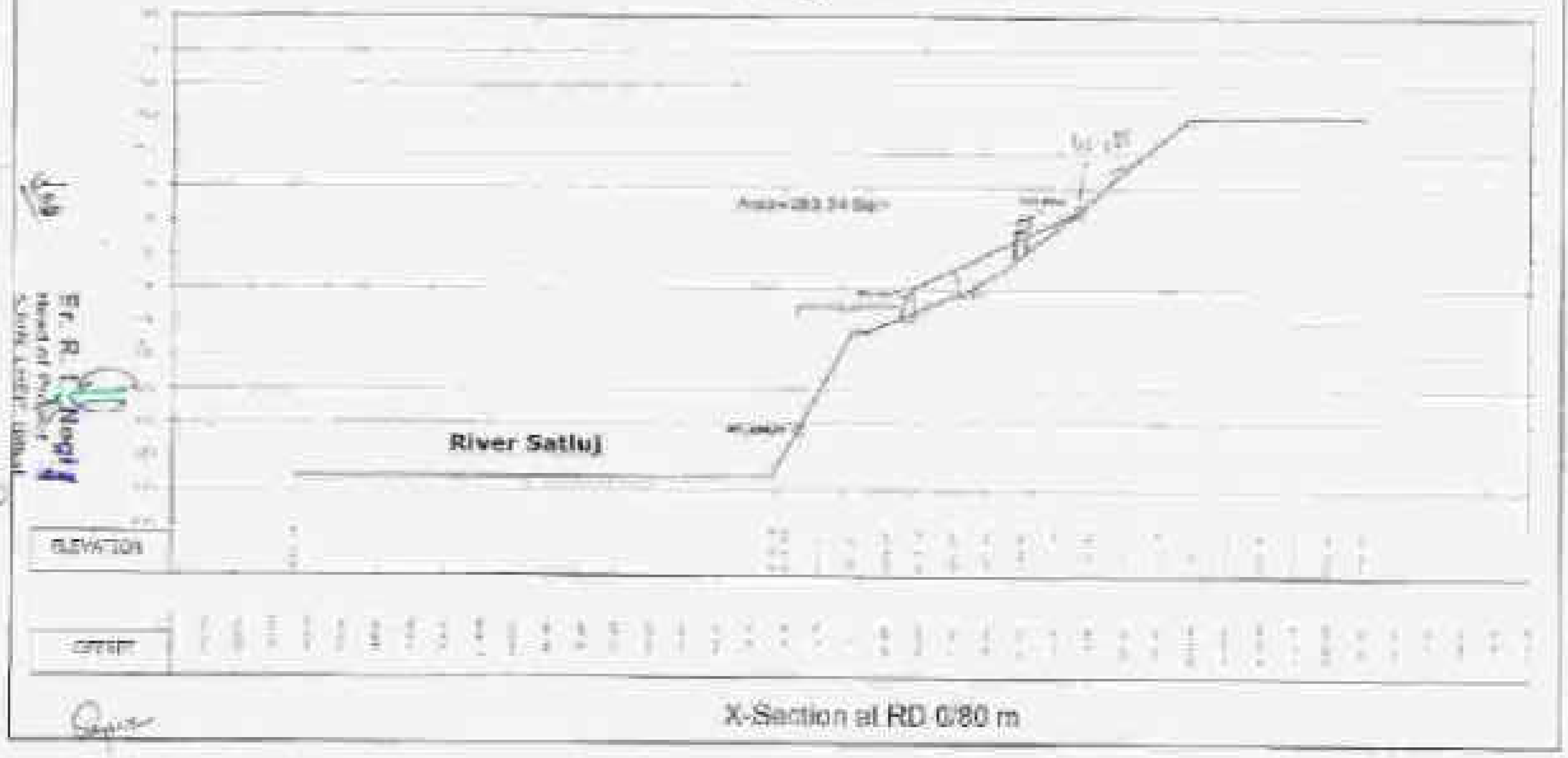
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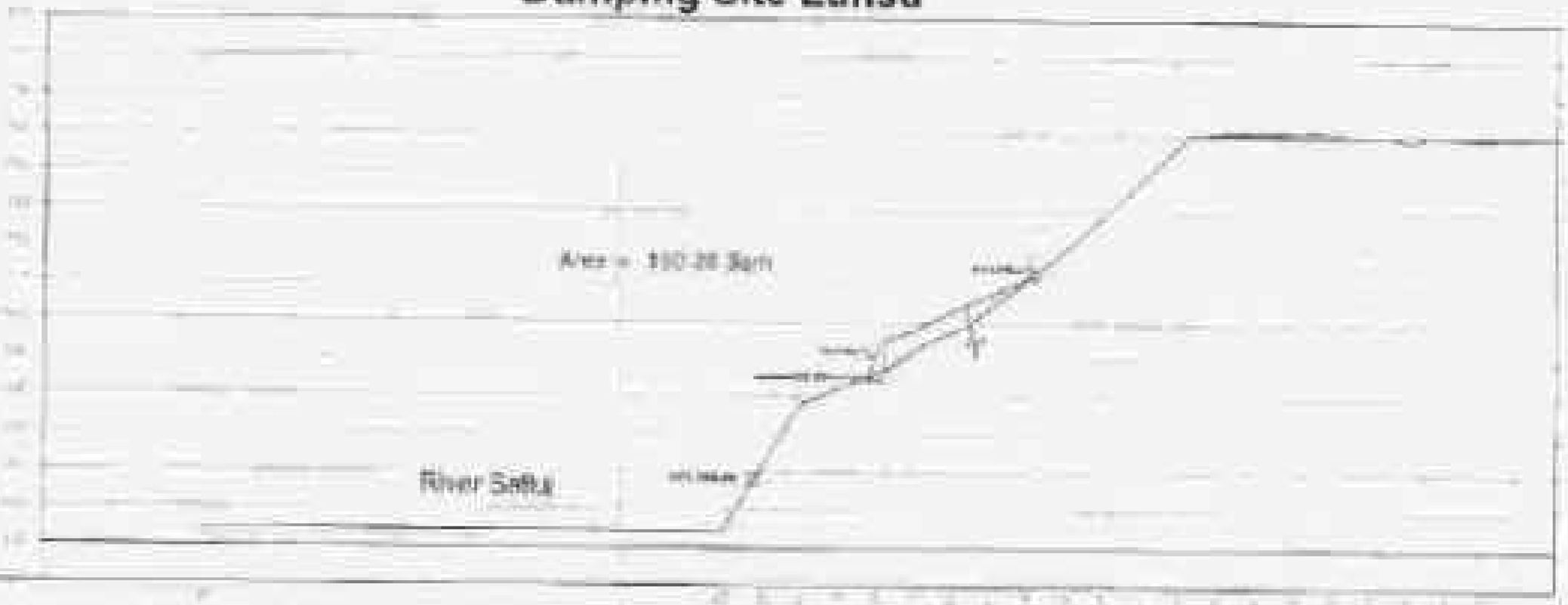
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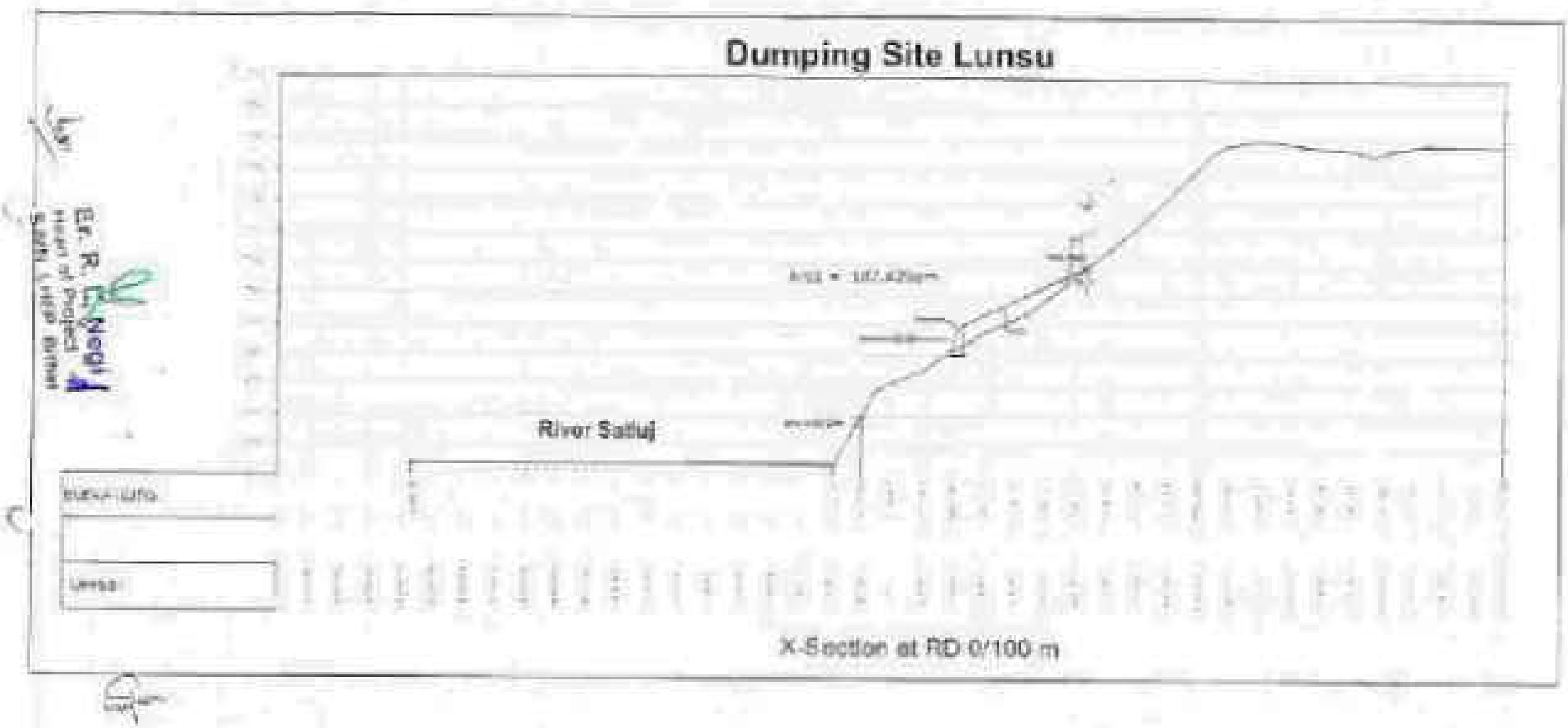
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Dumping Site Lunsu



X-Section at RD 0/90 m

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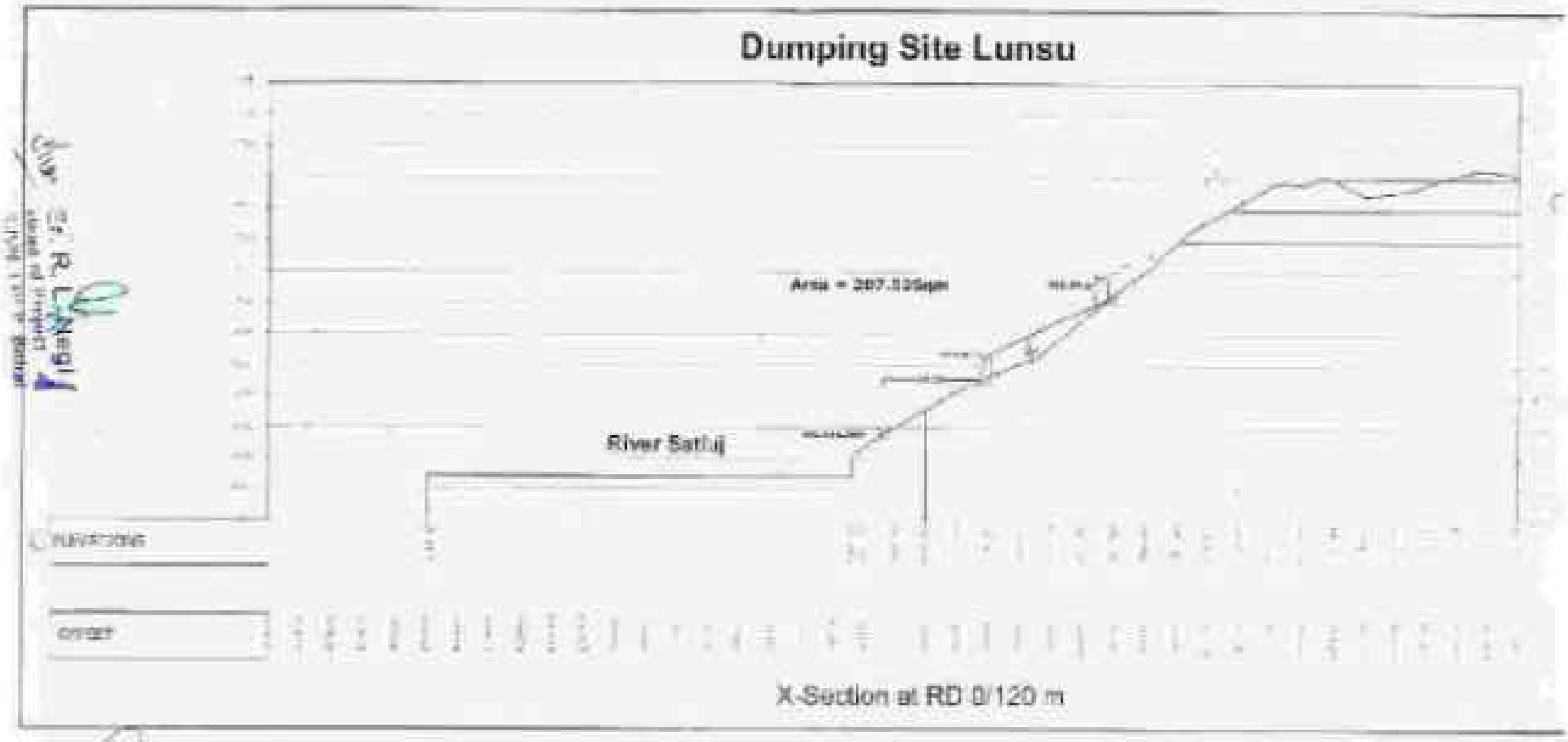
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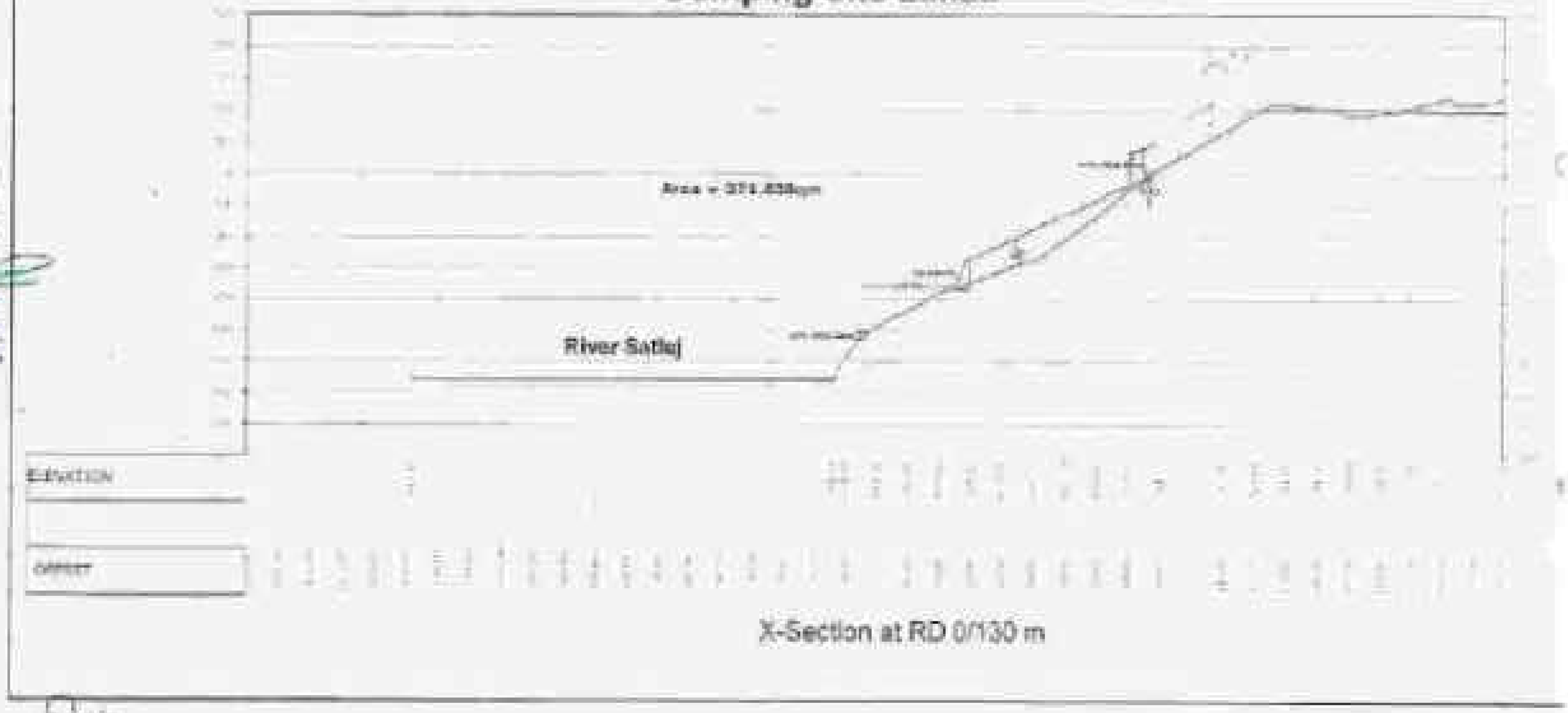
X-Section at RD 0/110 m

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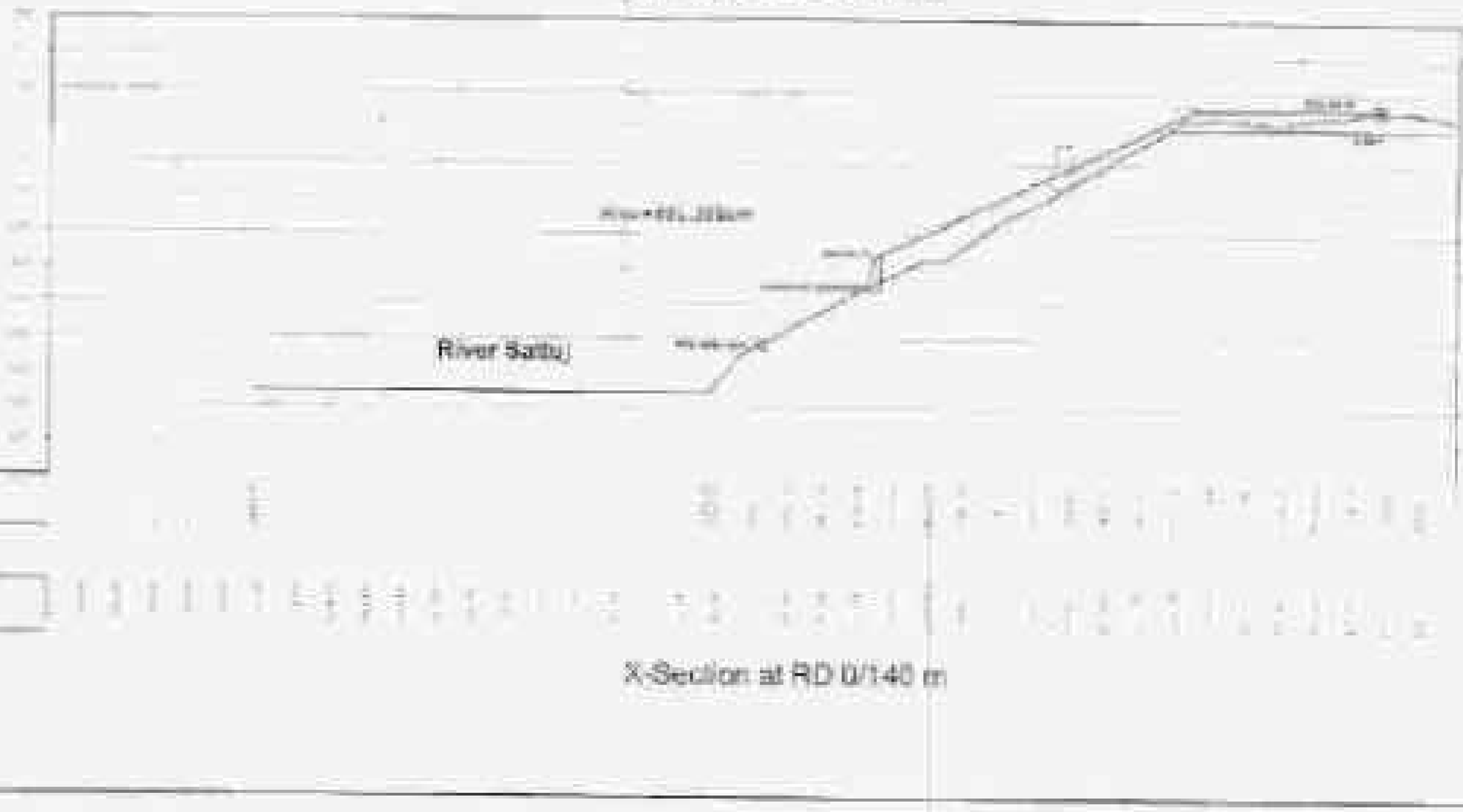
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X-Section at RD 0/130 m

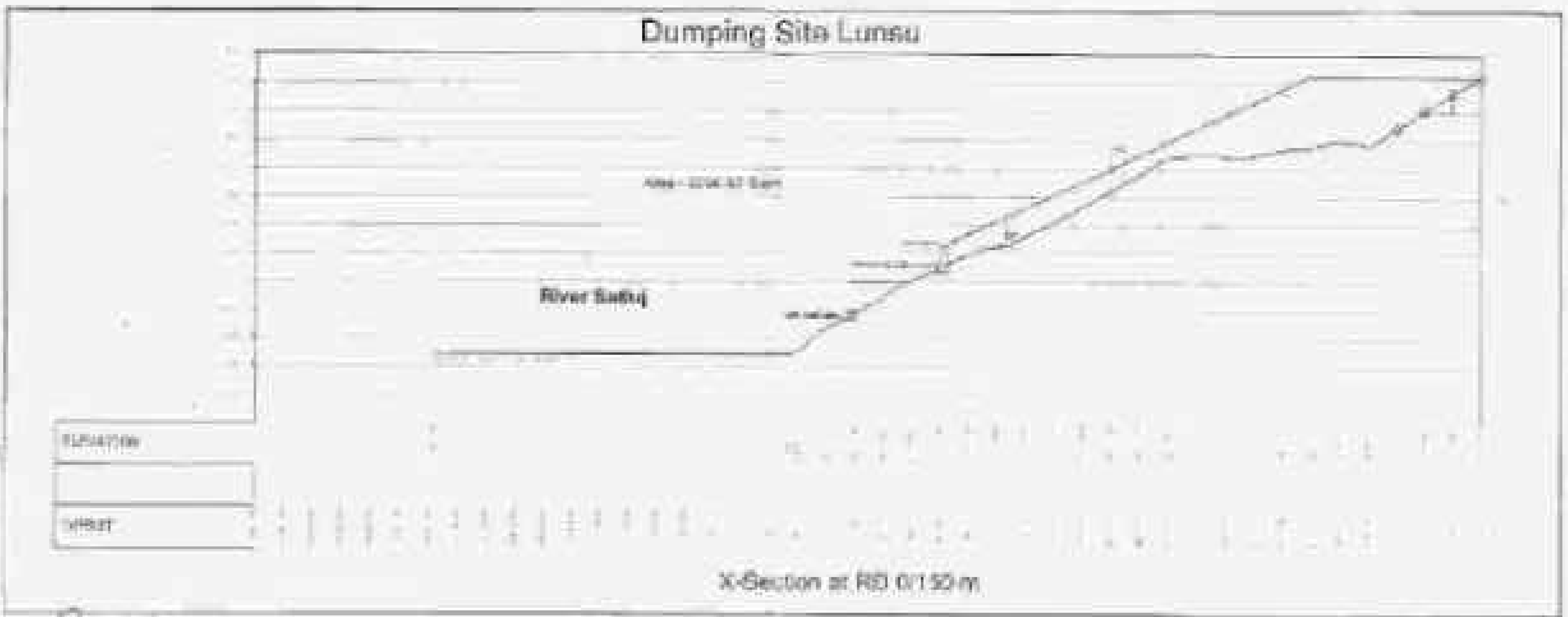
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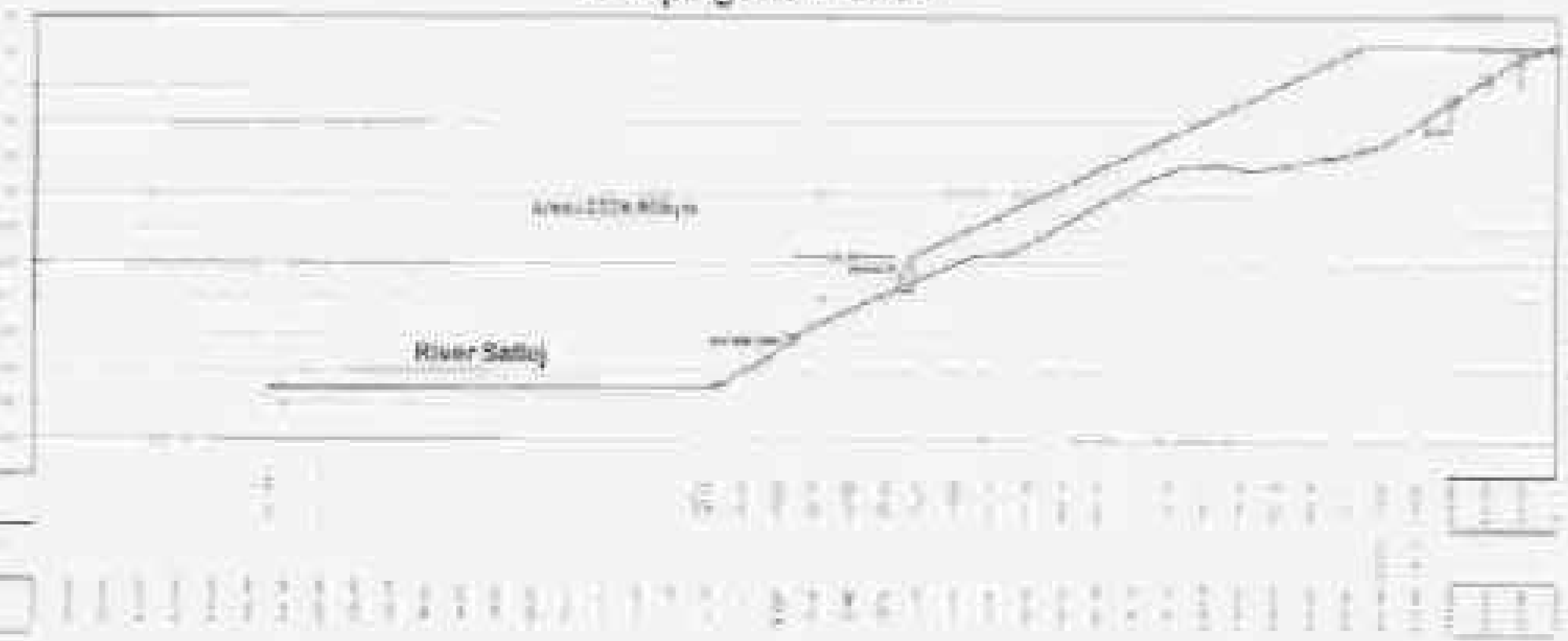
X-Section at RD 0/140 m

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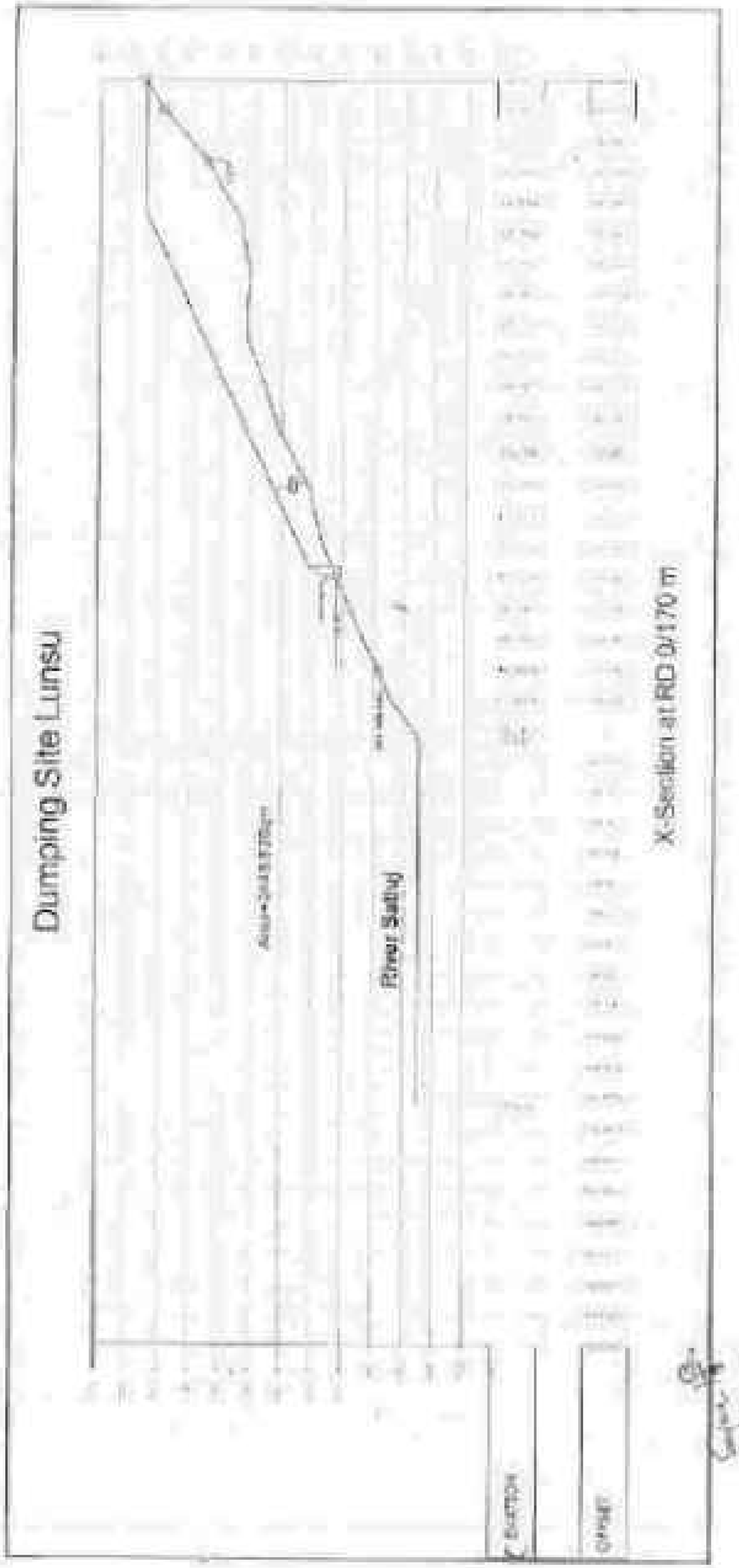
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X-Section at R.D 0/160 m

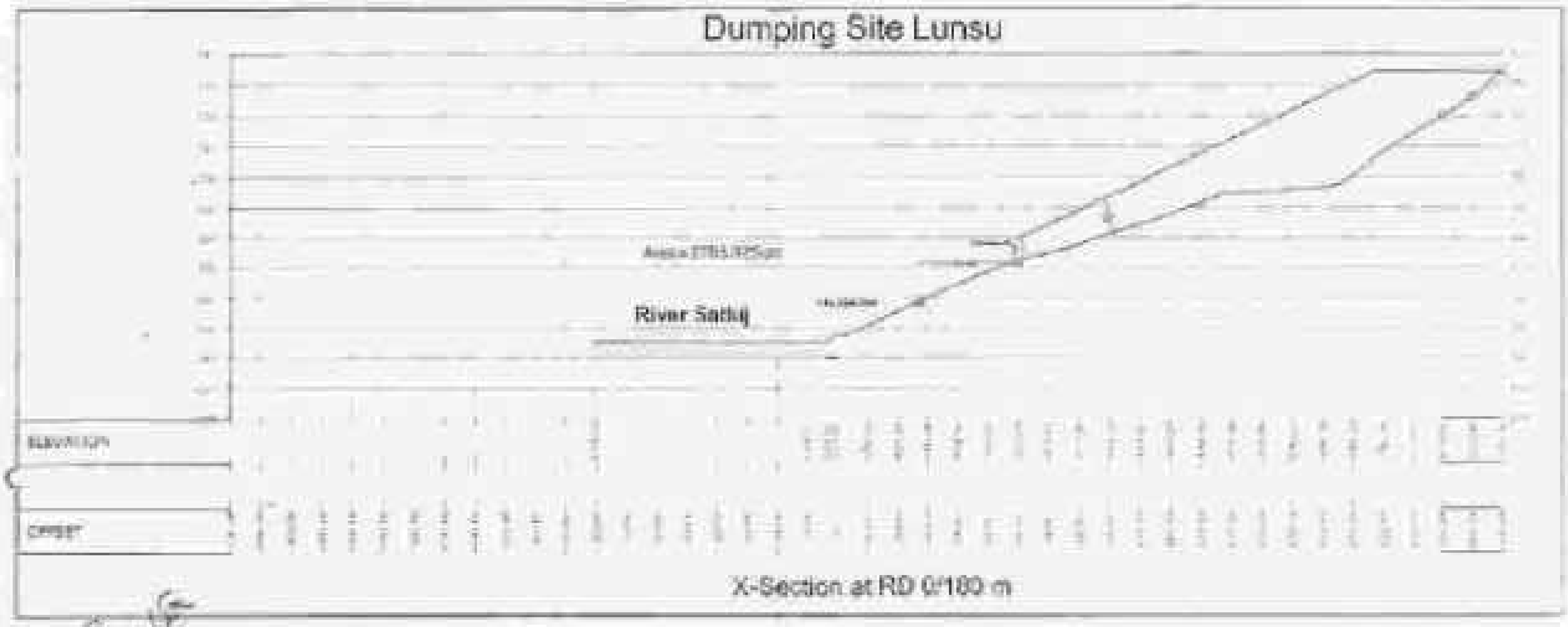
Er. R.P. Negi

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Ex. RO. Negi

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River Sutlej

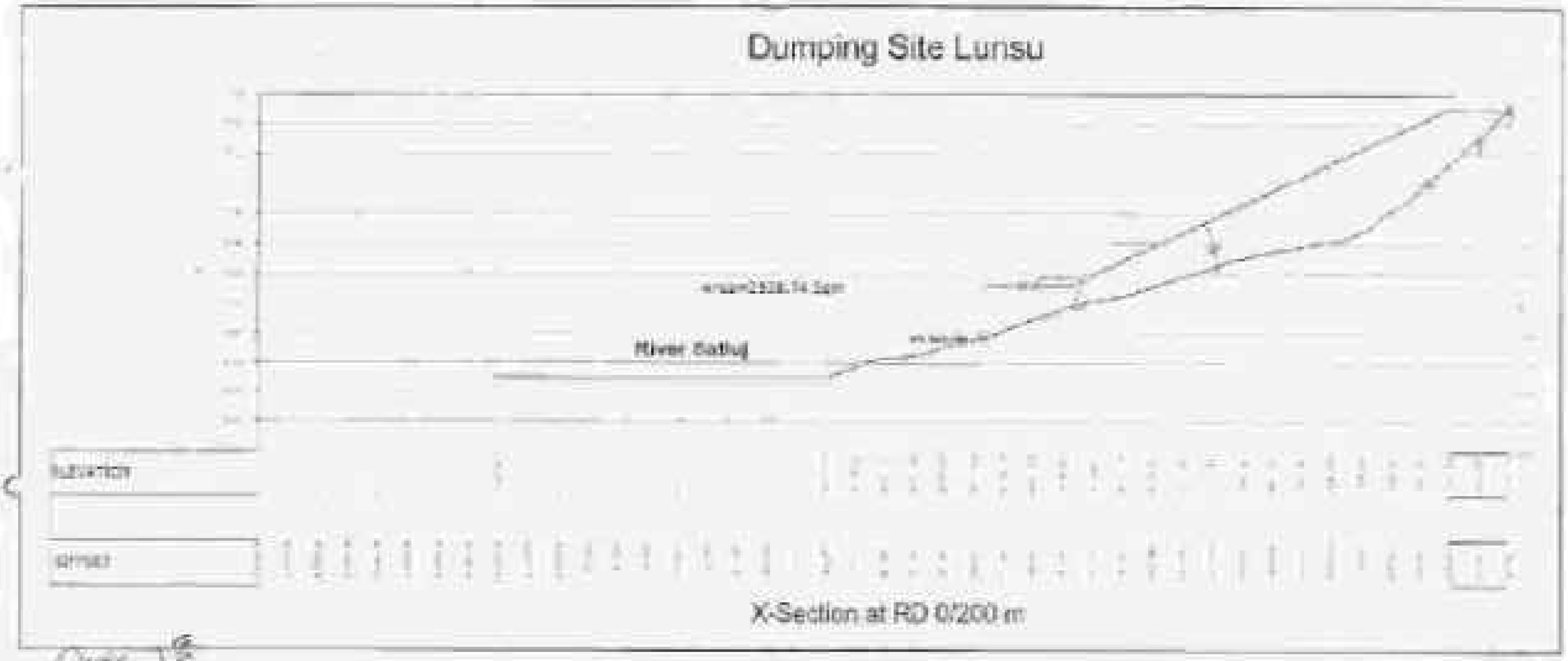
X-Section at RD 0/190 m

Sign

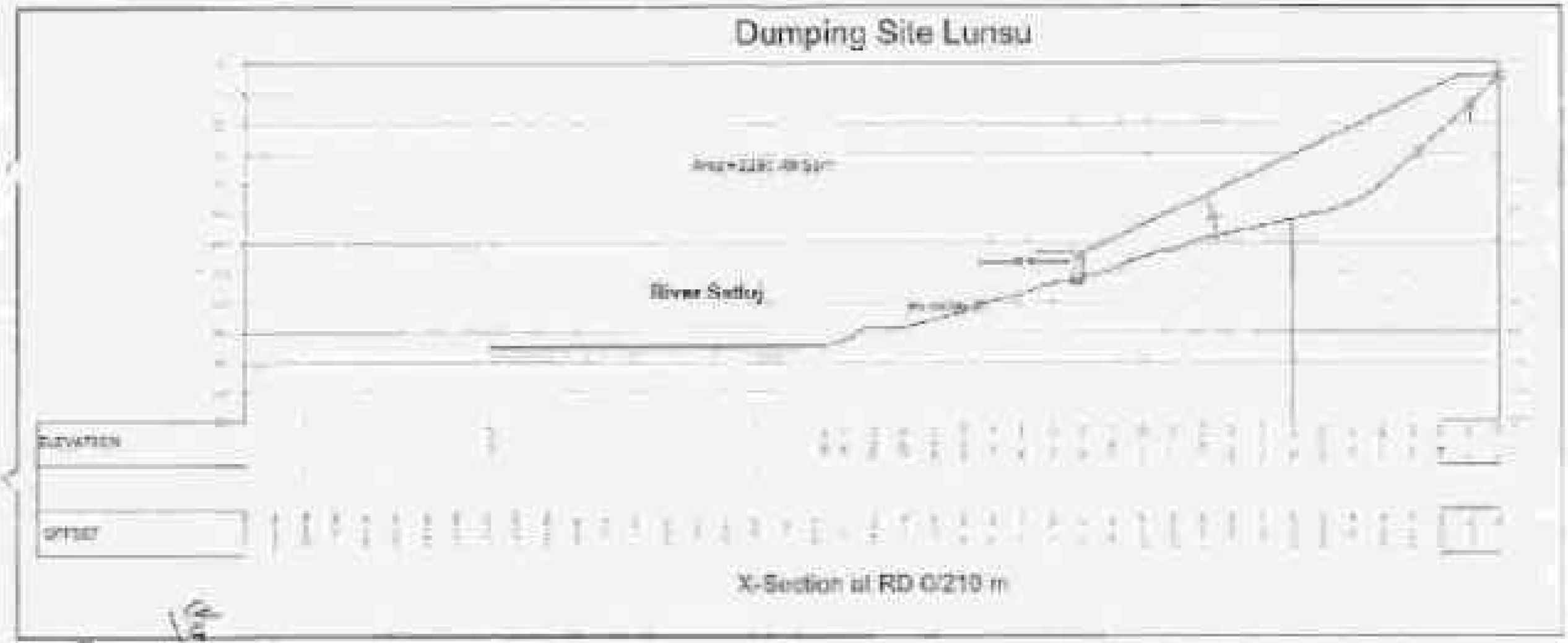
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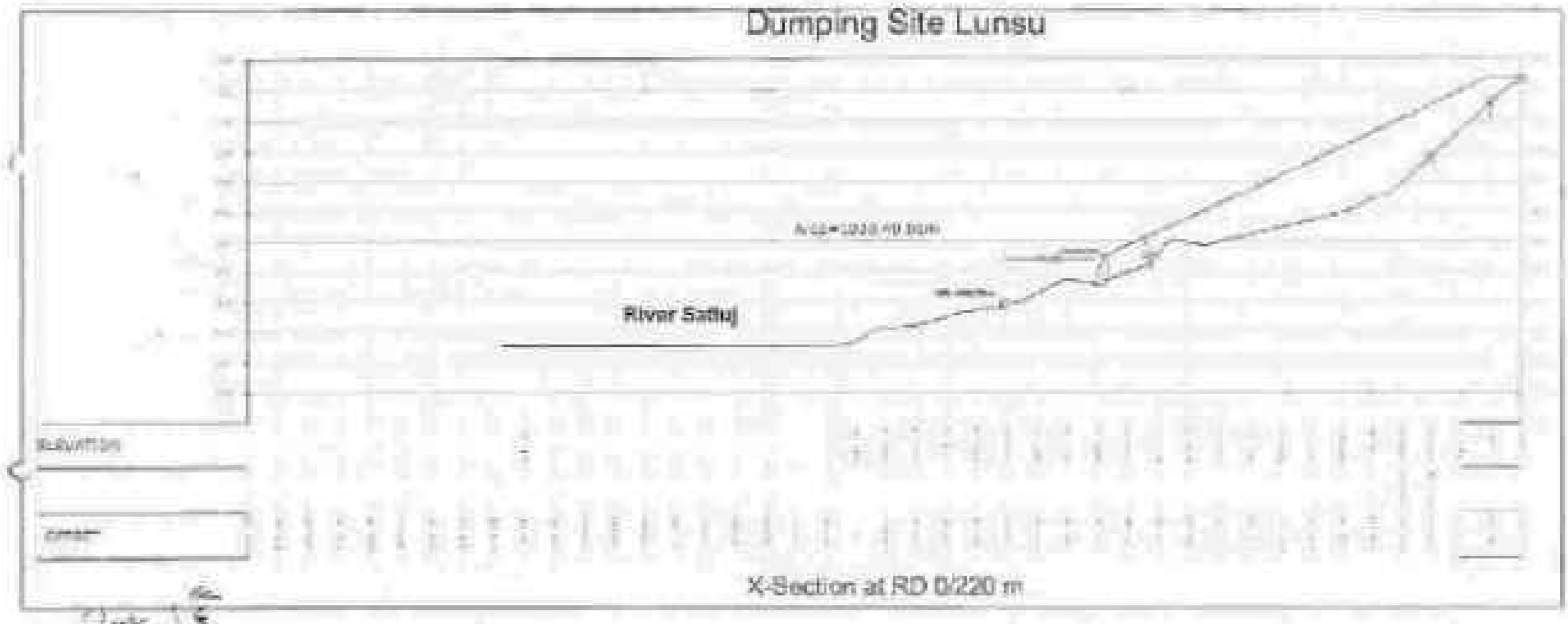
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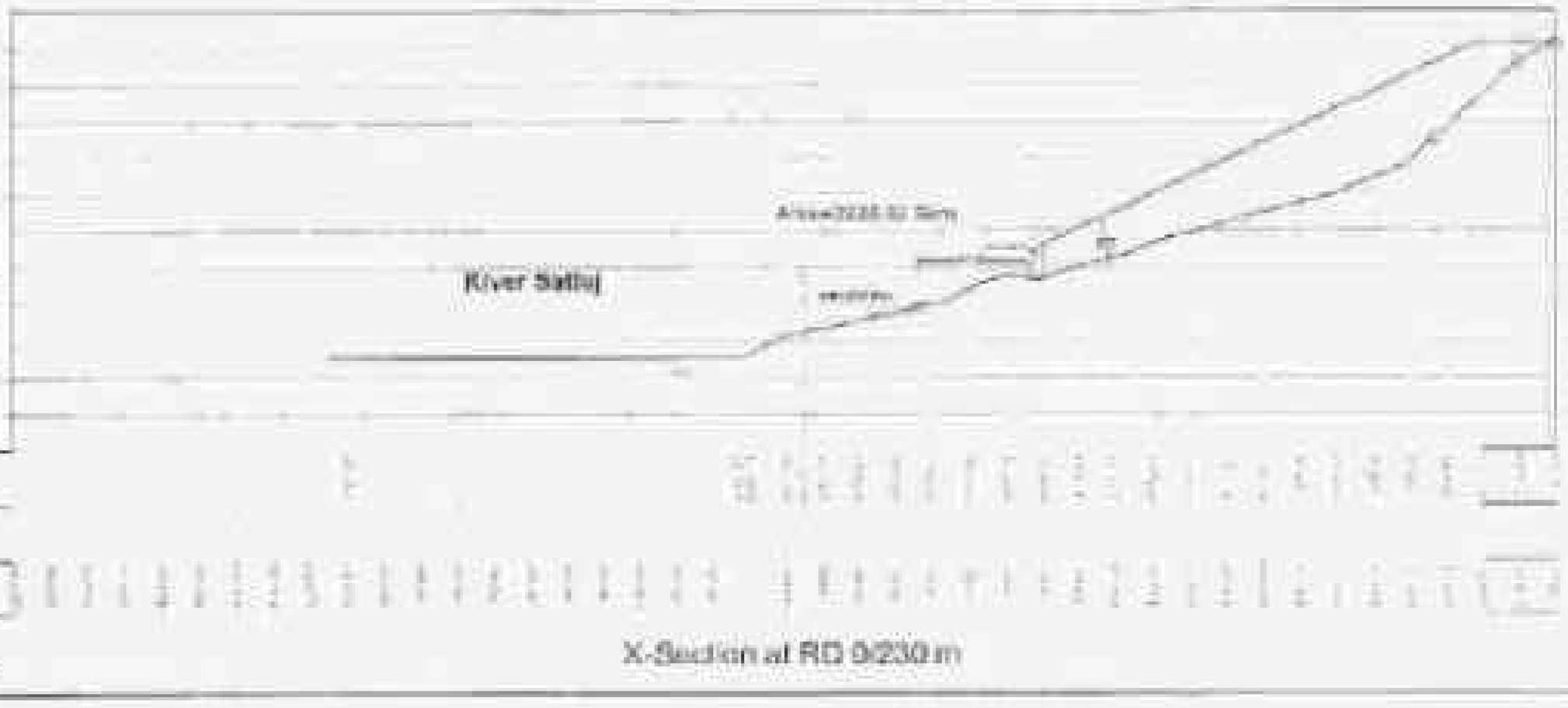


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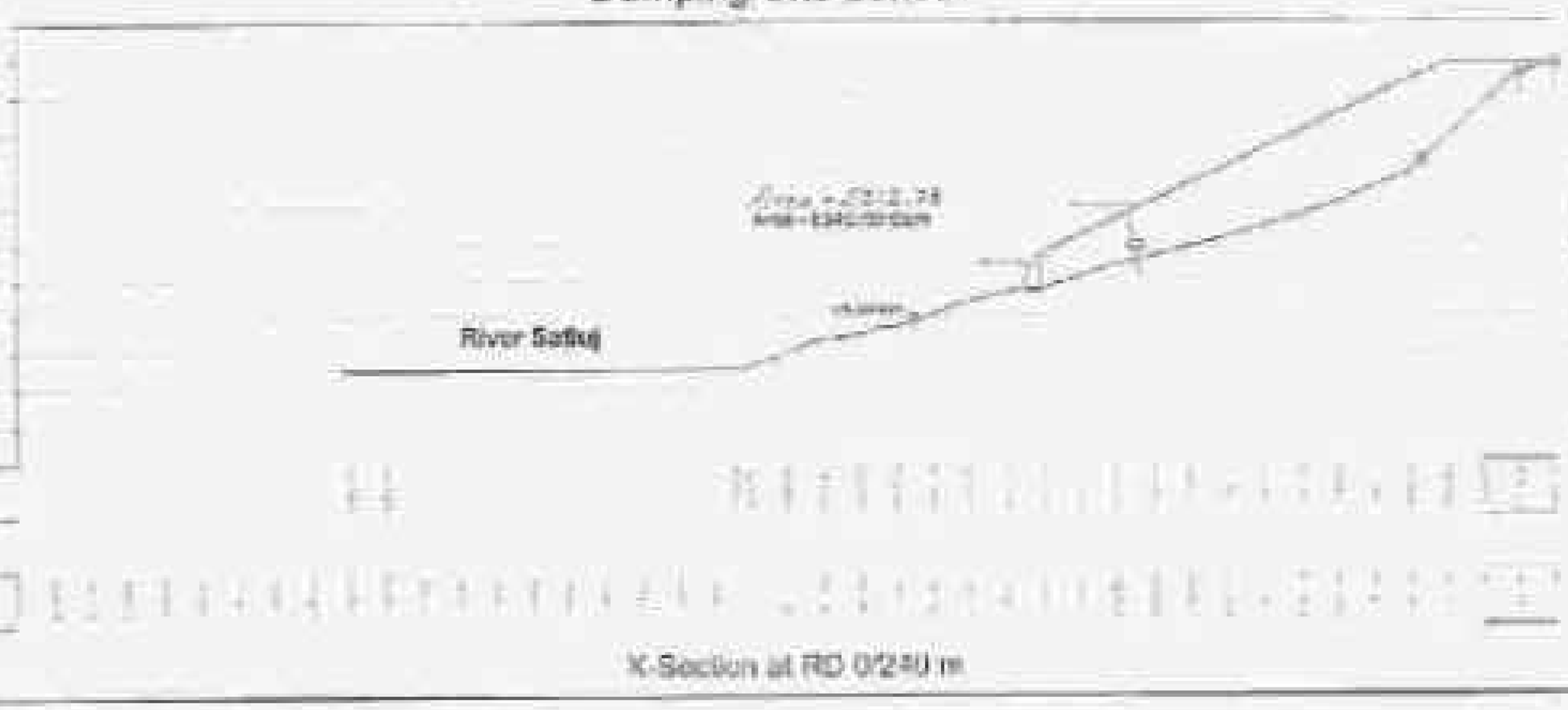
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Dumping Site Lunsu



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X-Section at RD 0+50 m

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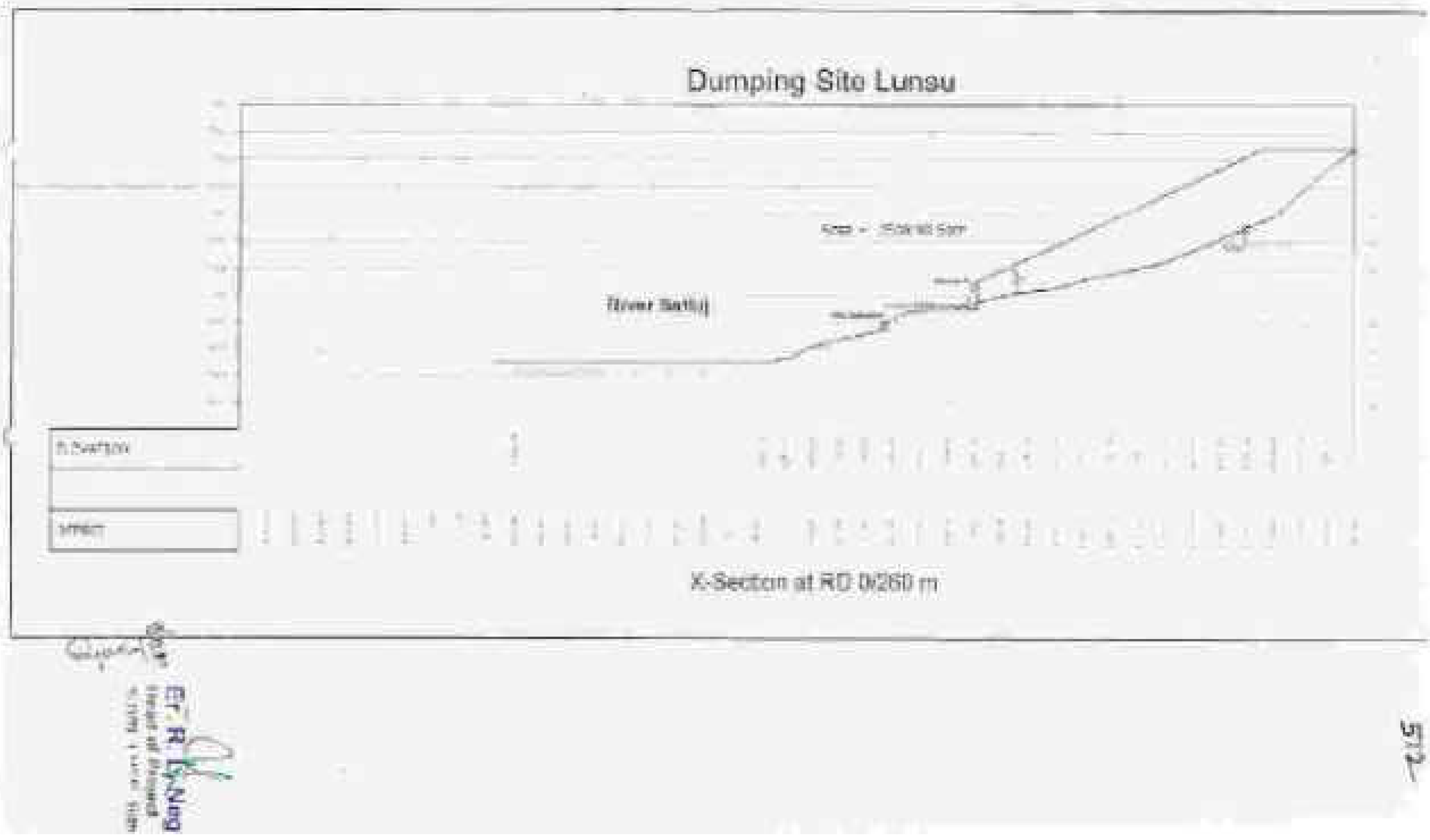
River Sutluj

X-Section at RD 0/250 m

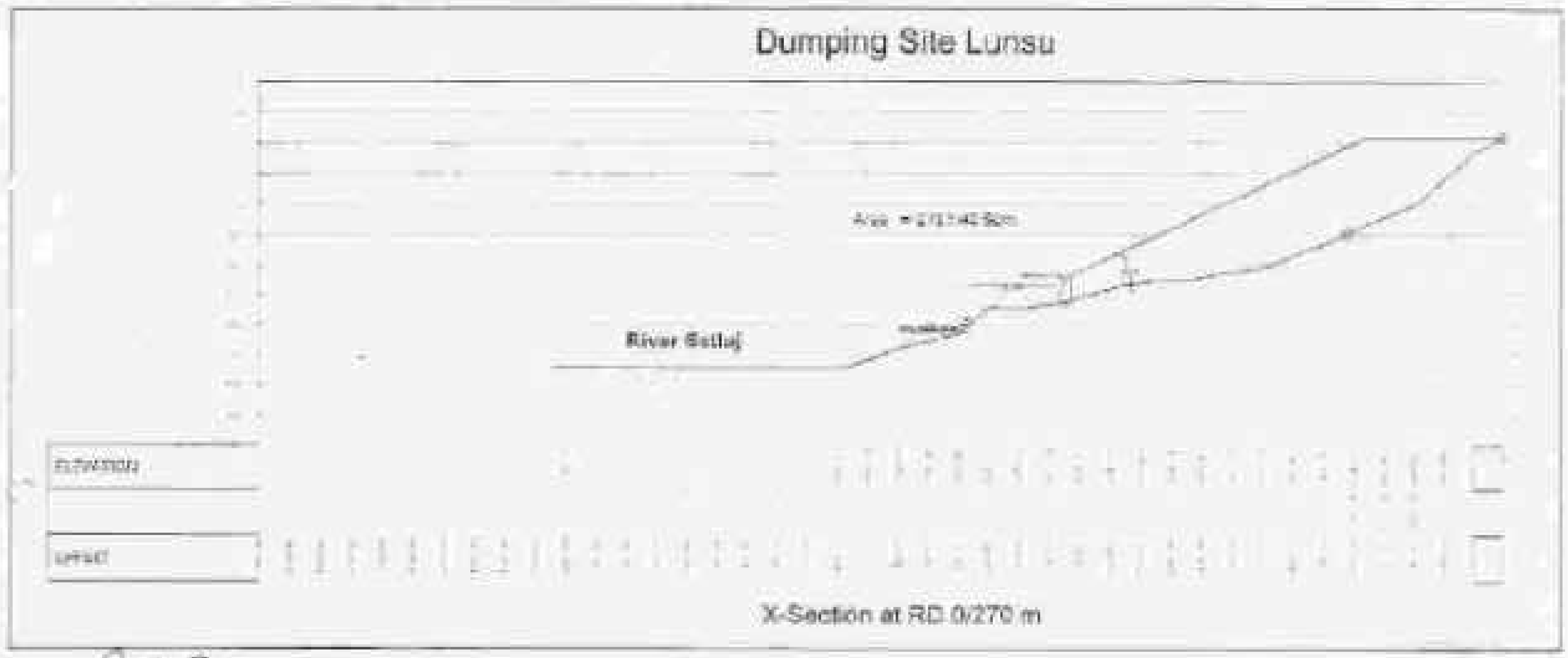
Er. R. S. Negi

175

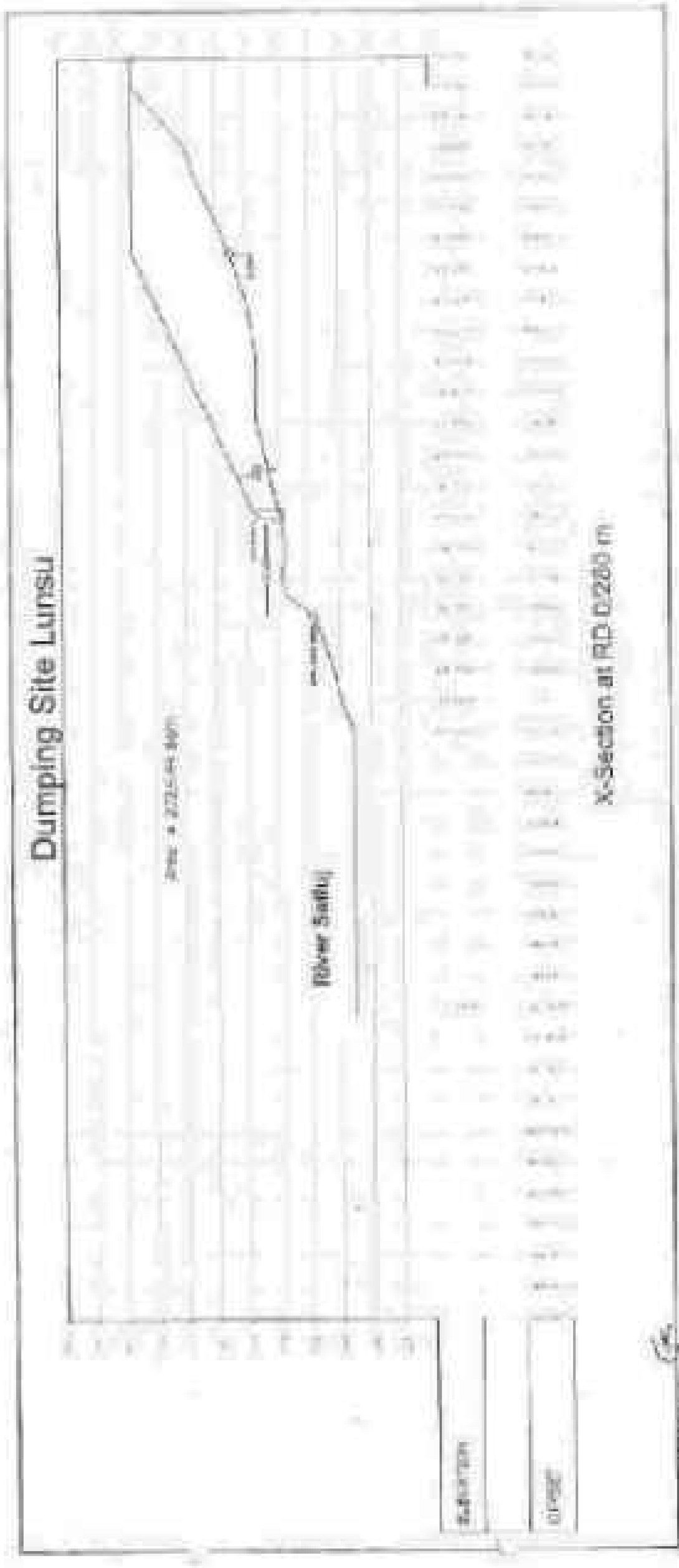
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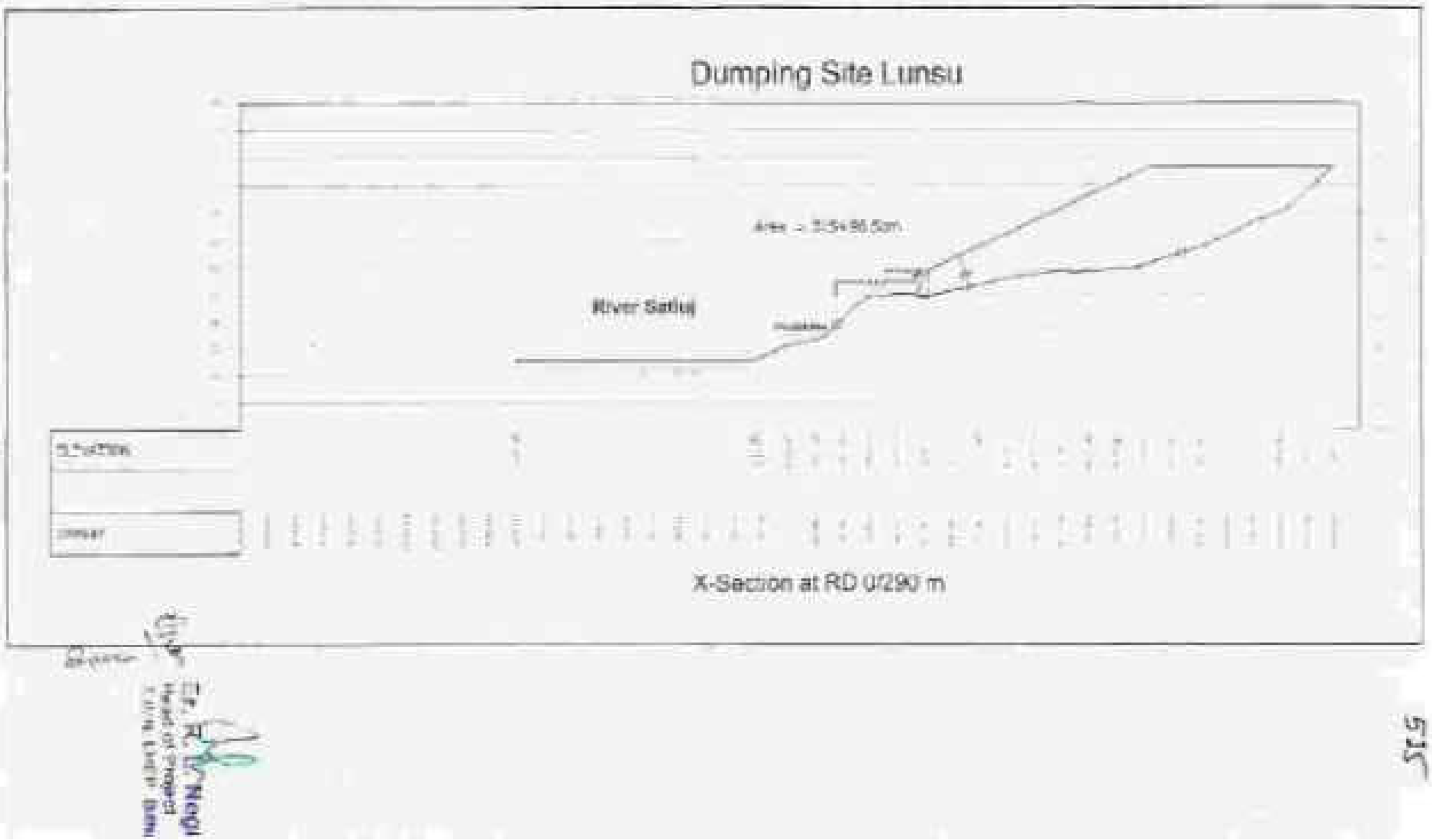


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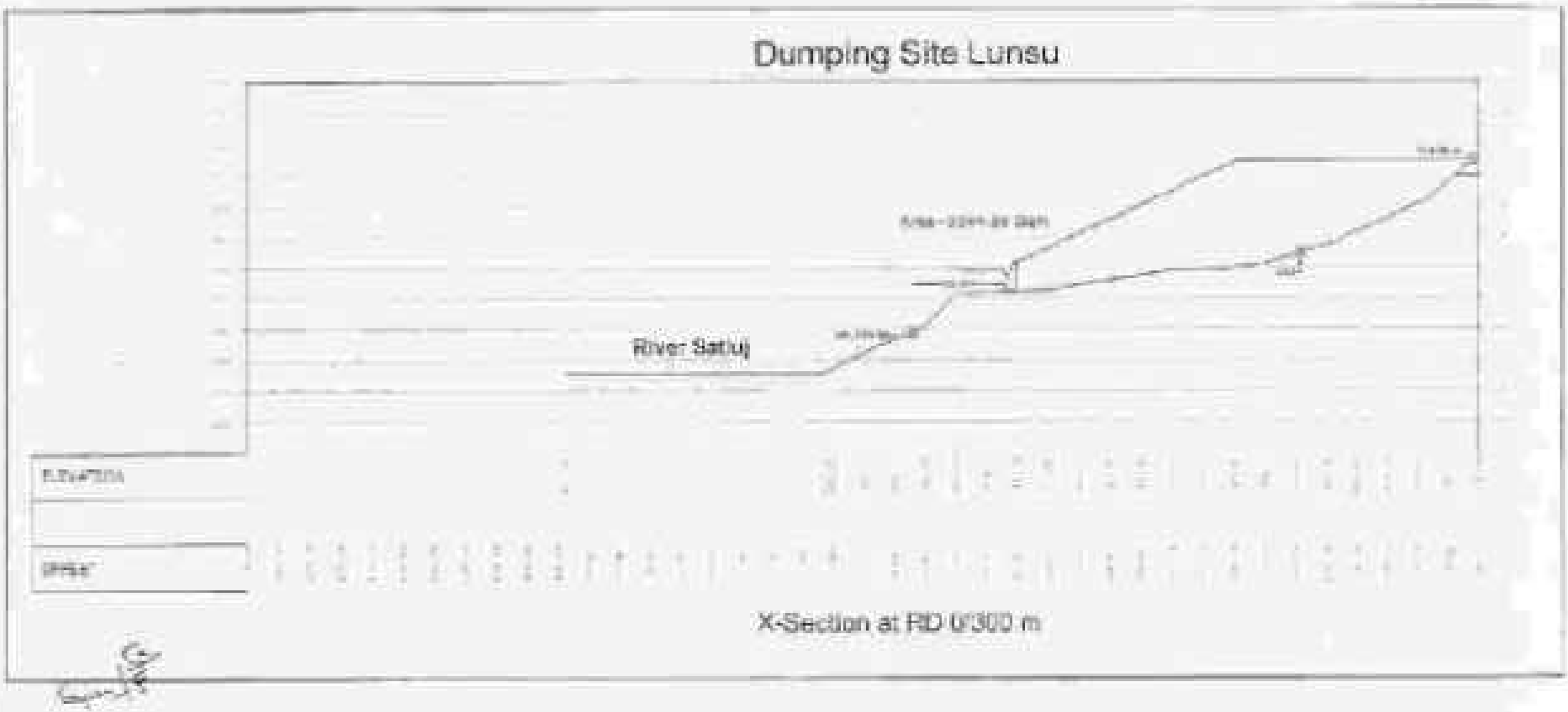


Er. R. L. Negi
Head of Project
IUVN, UMEP, Bithat

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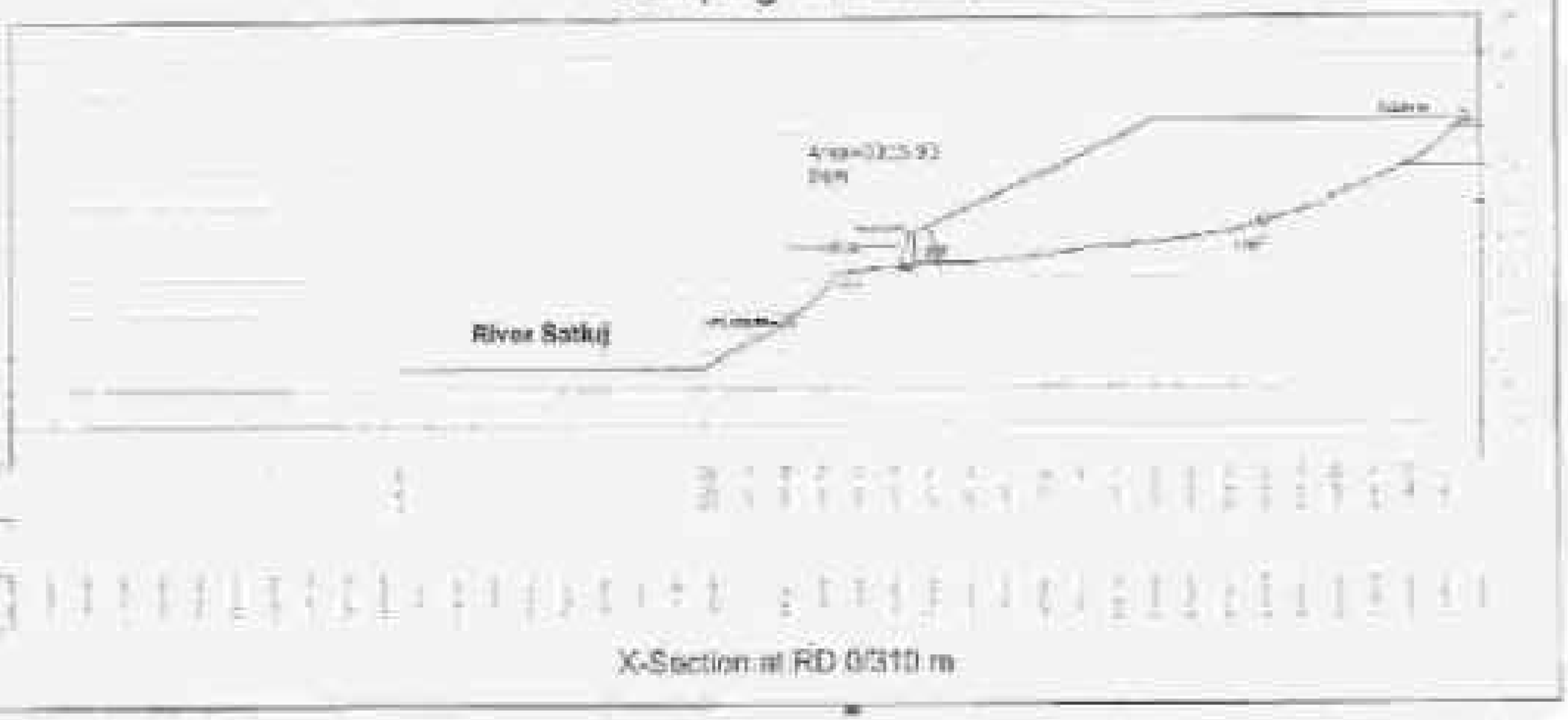


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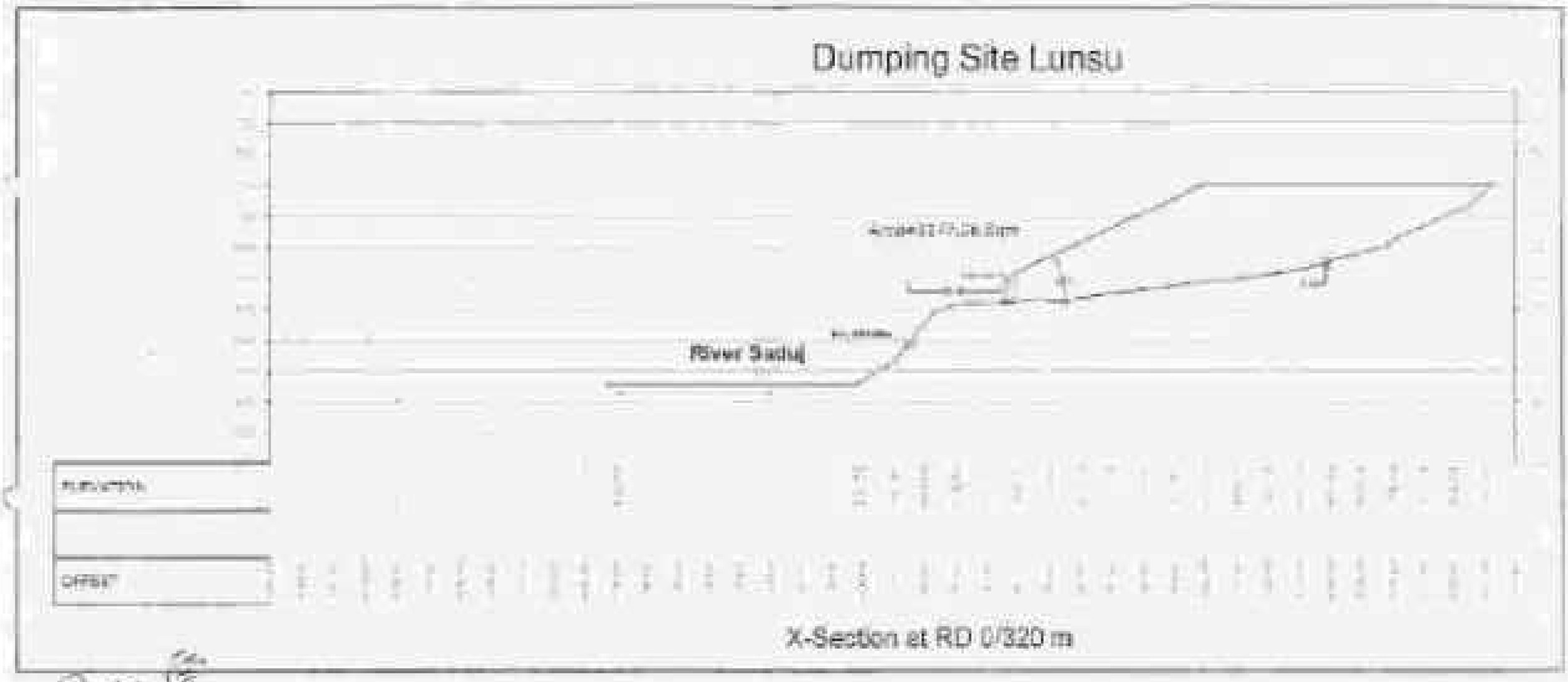
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Dumping Site Lunsu



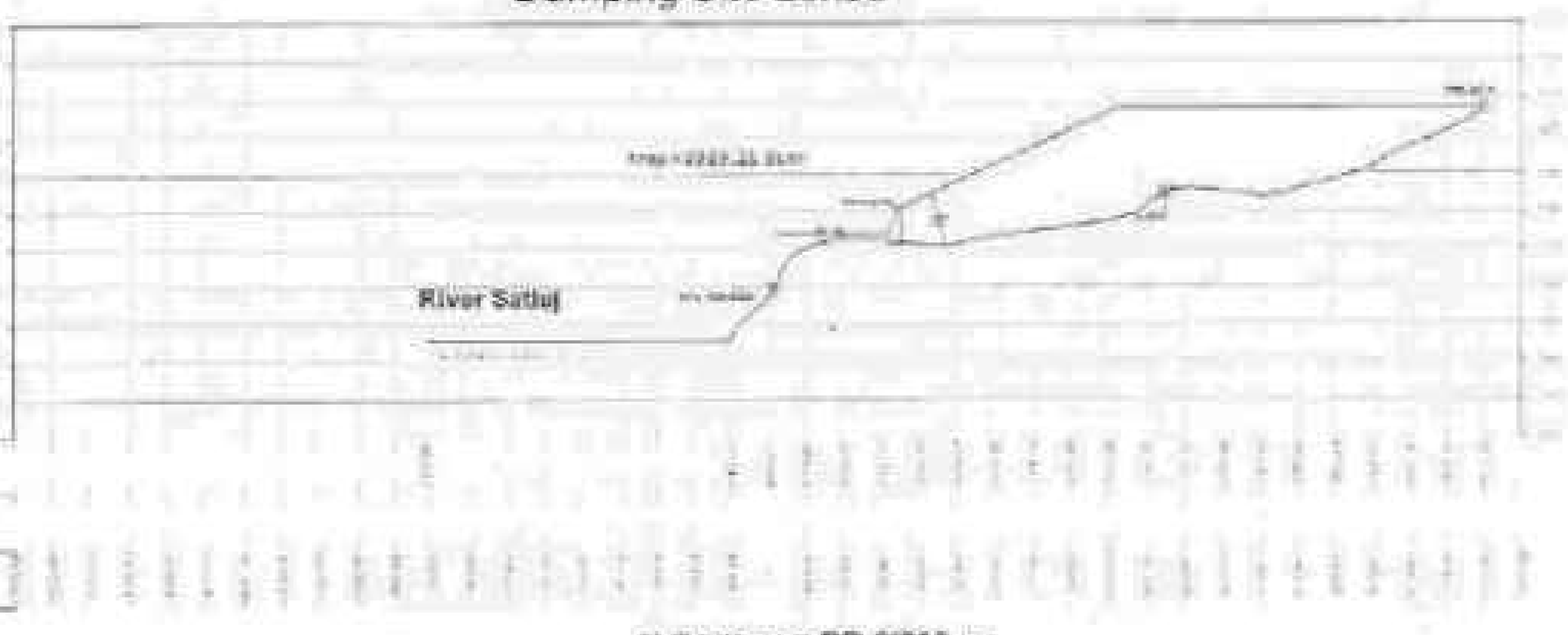
X-Section at RD 0/310 m

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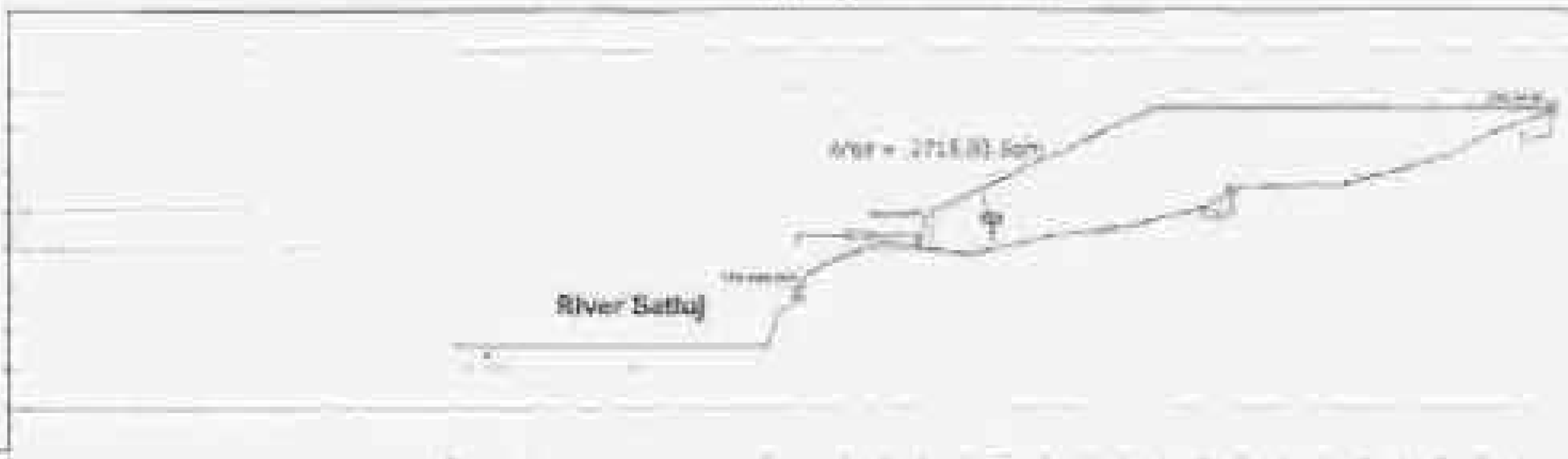
Dumping Site Lunsu



X-Section at RD 0/330 m

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Dumping Site Lunsu



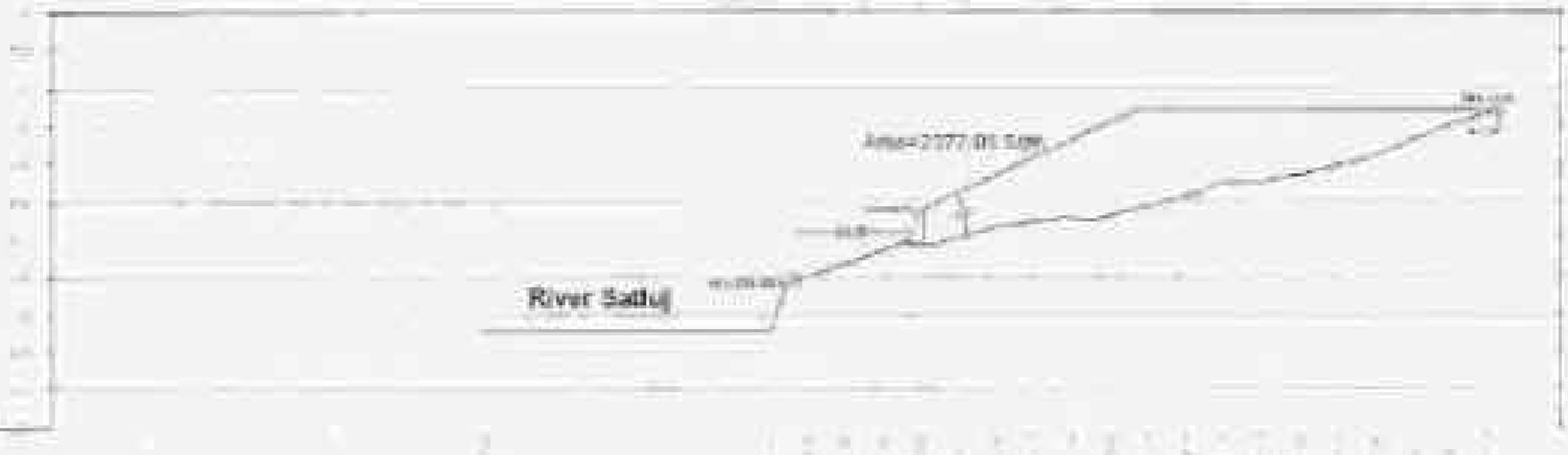
X-Section at RD 0/340 m

Dr. Raj. Nag

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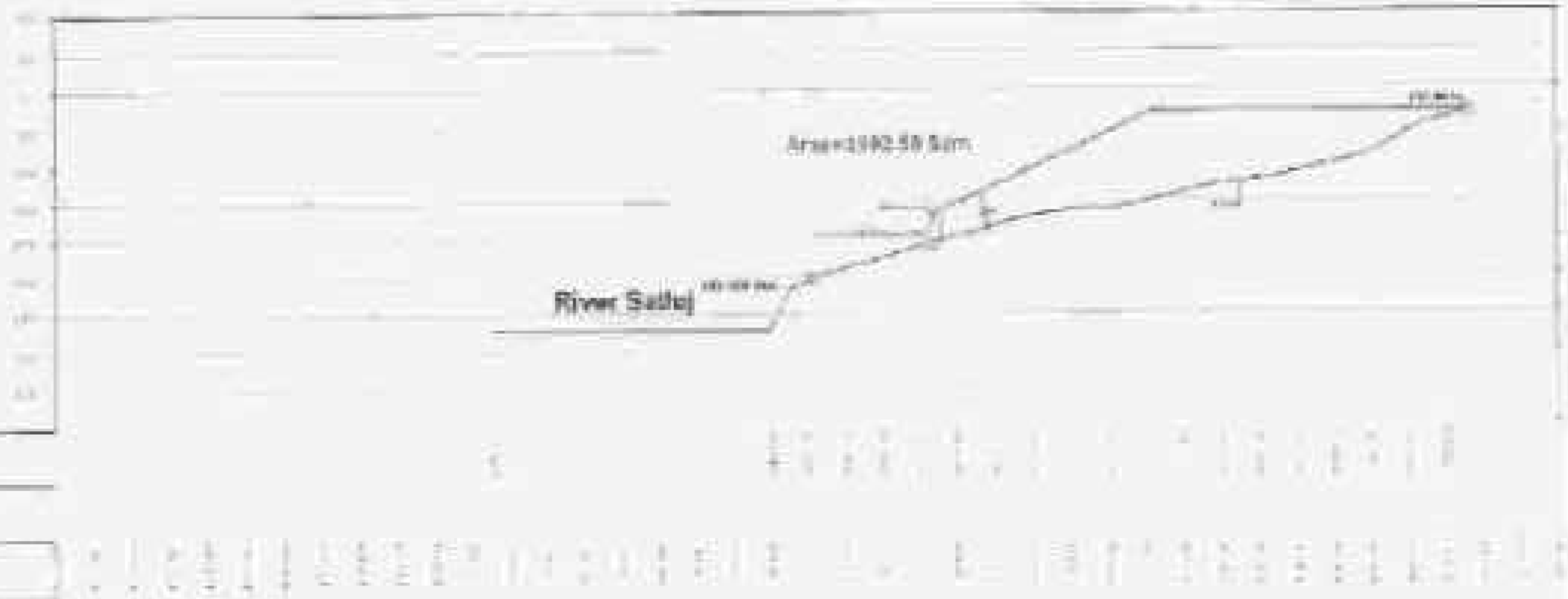
Dumping Site Lunsu



X-Section at RD 0/350 m

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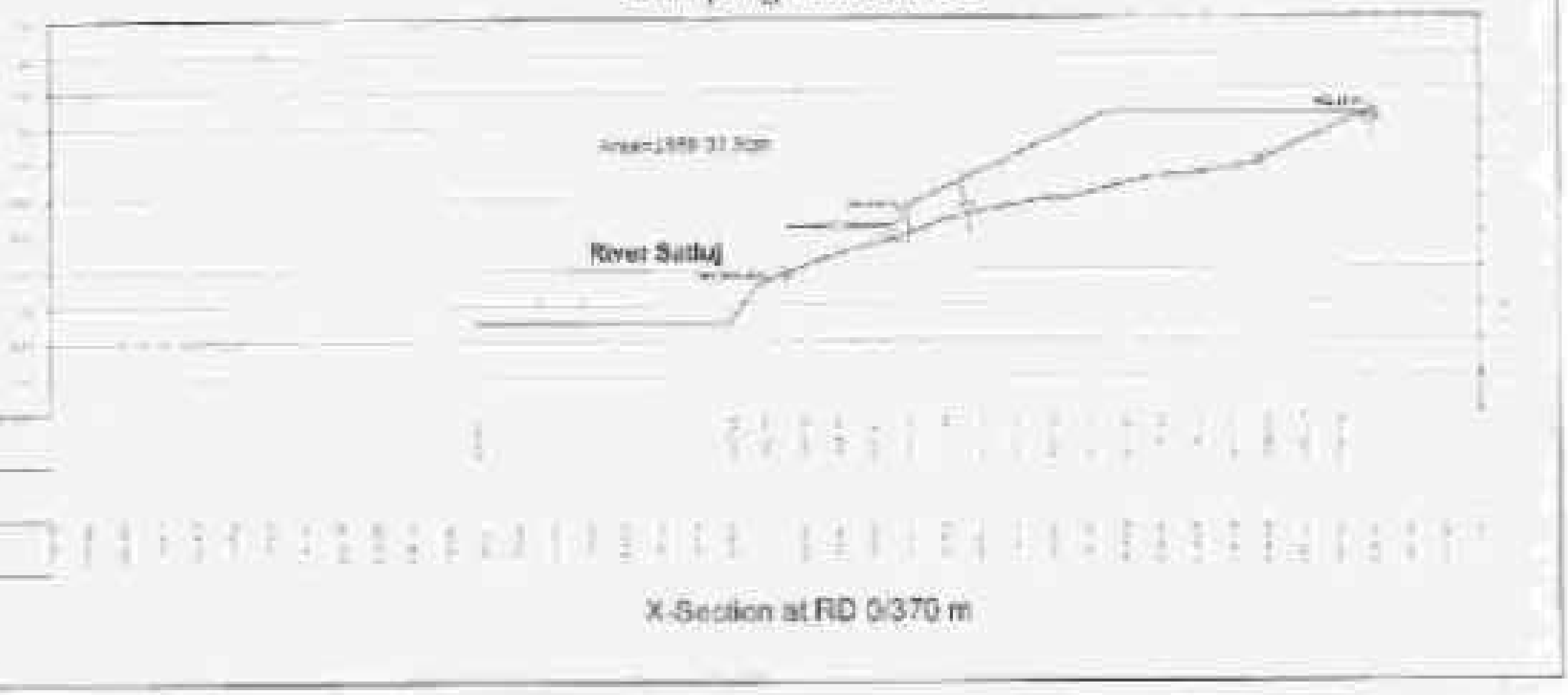
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Er. R.L. Negi
Project Director
PWD, Lahaul Spiti

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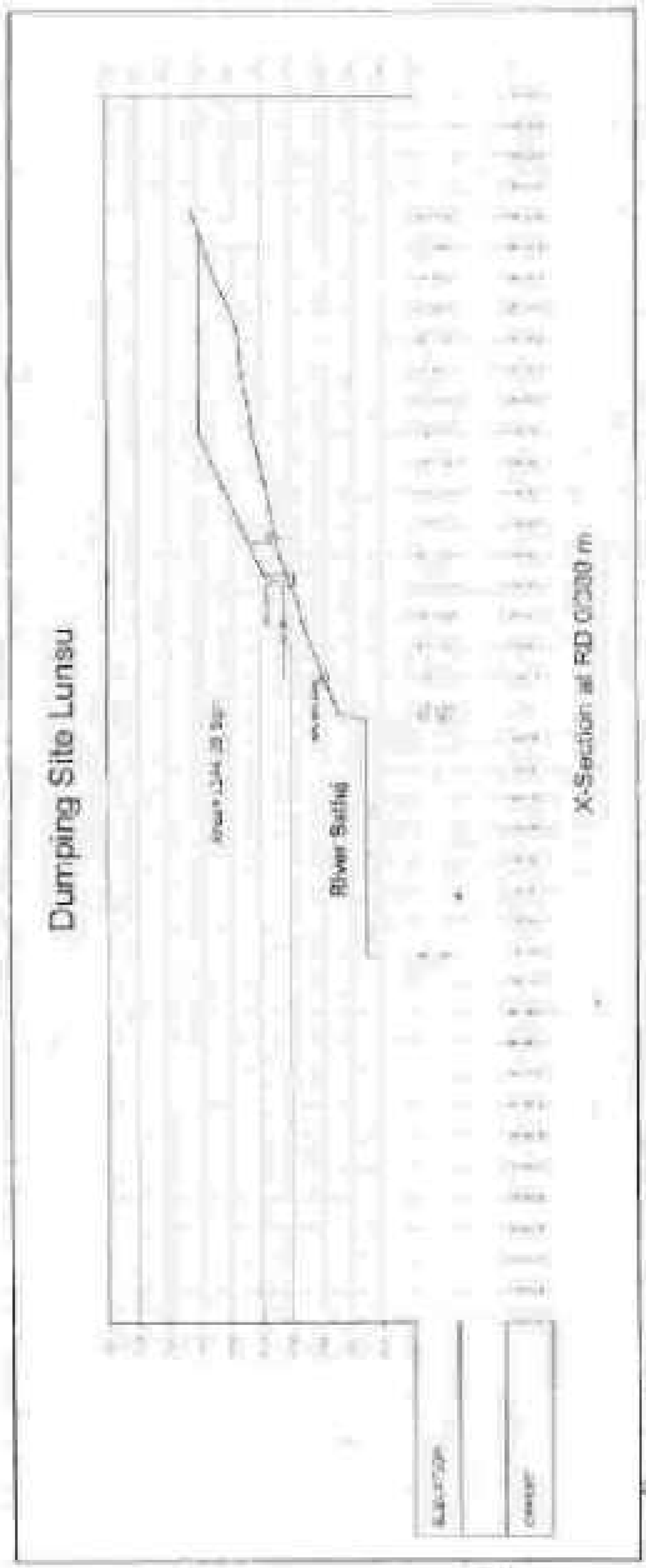
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X-Section at RD 0/370 m

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Dr. R. K. Negi
Head of Project

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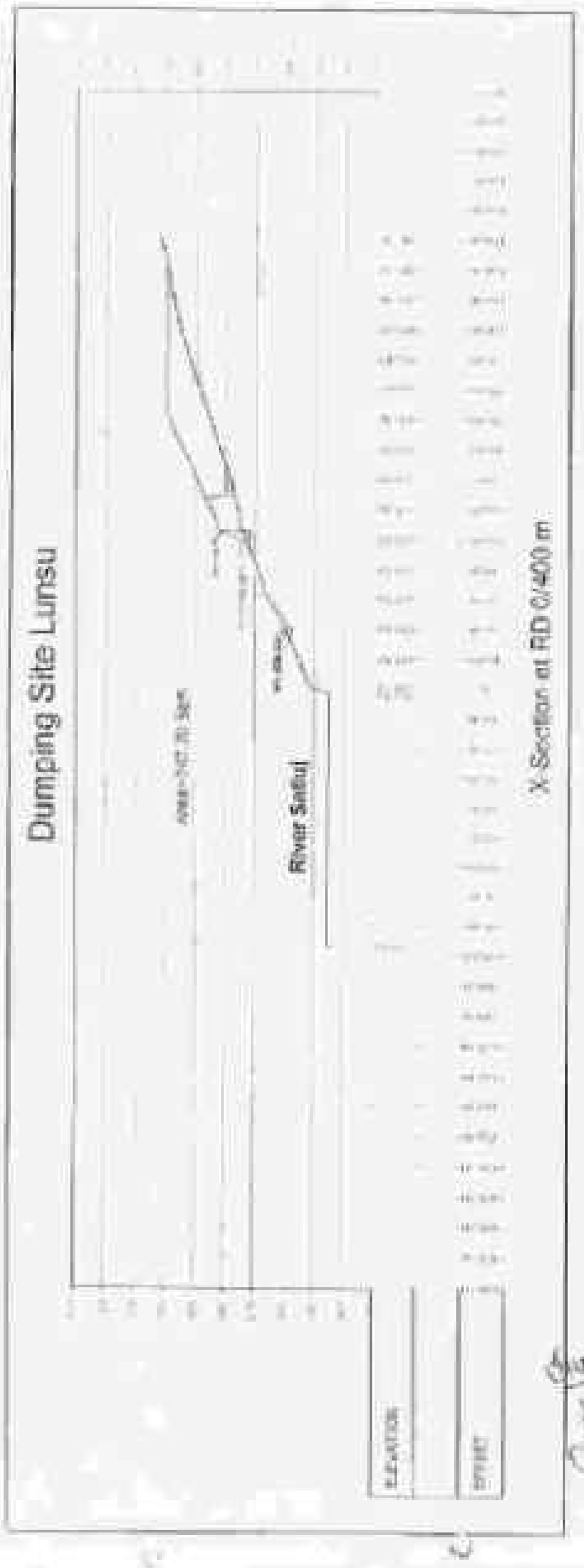


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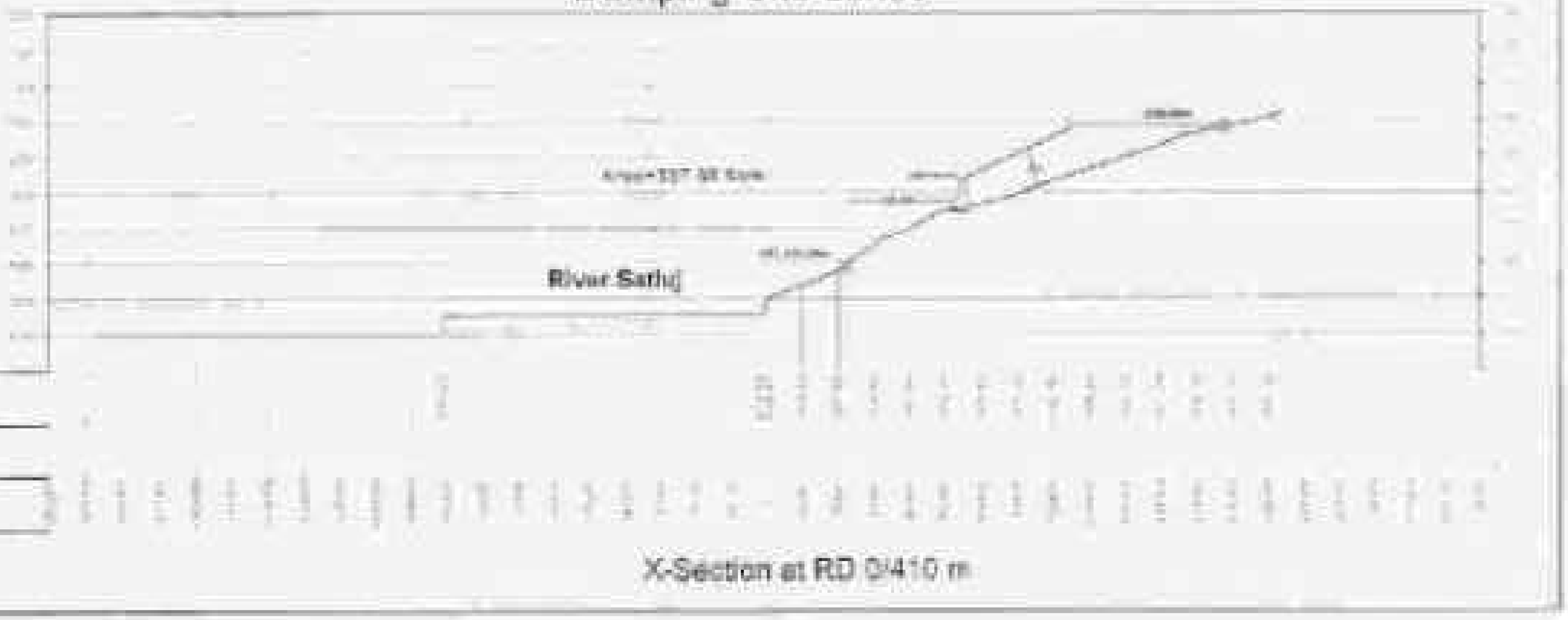
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Dr. R. L. Neal
Head of Project
CSVR, ERCP, Silchar

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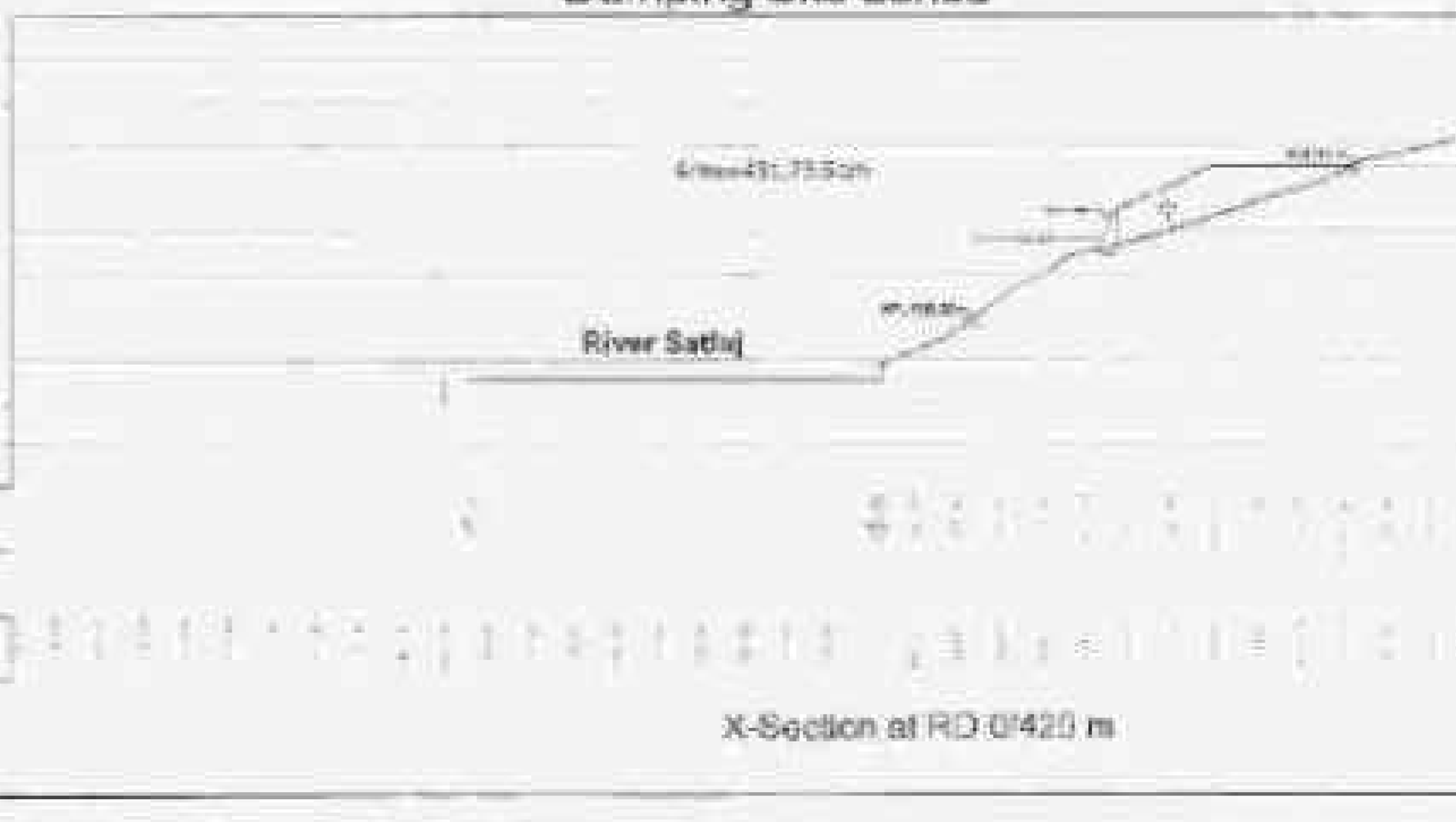
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Er. R. [illegible] Modi

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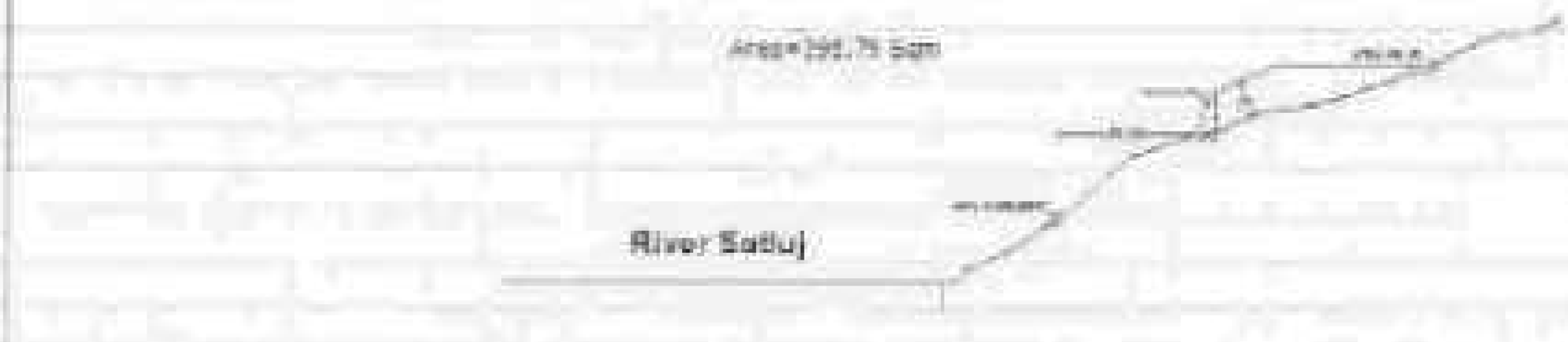


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Er. R.L. Negi

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EXISTING ELEVATIONS

PROPOSED ELEVATIONS

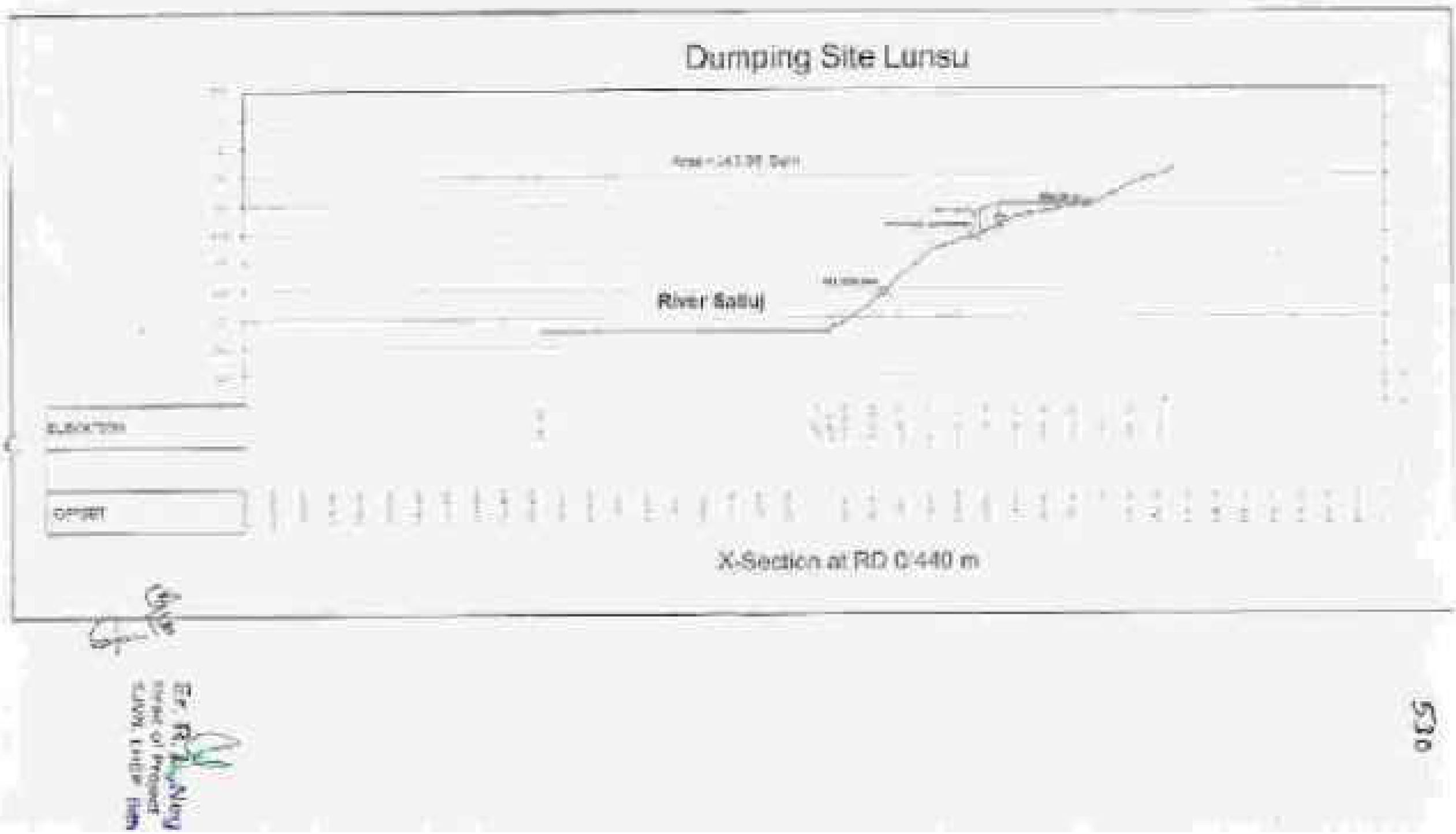
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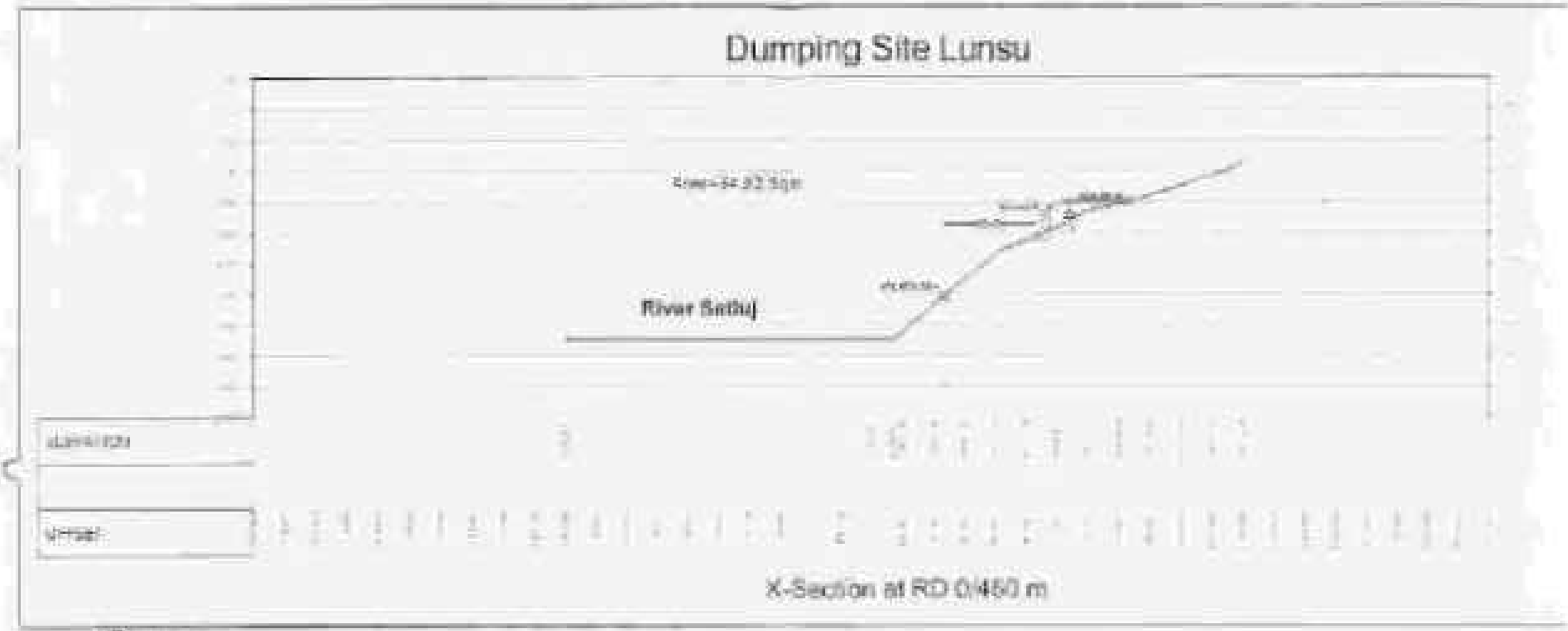
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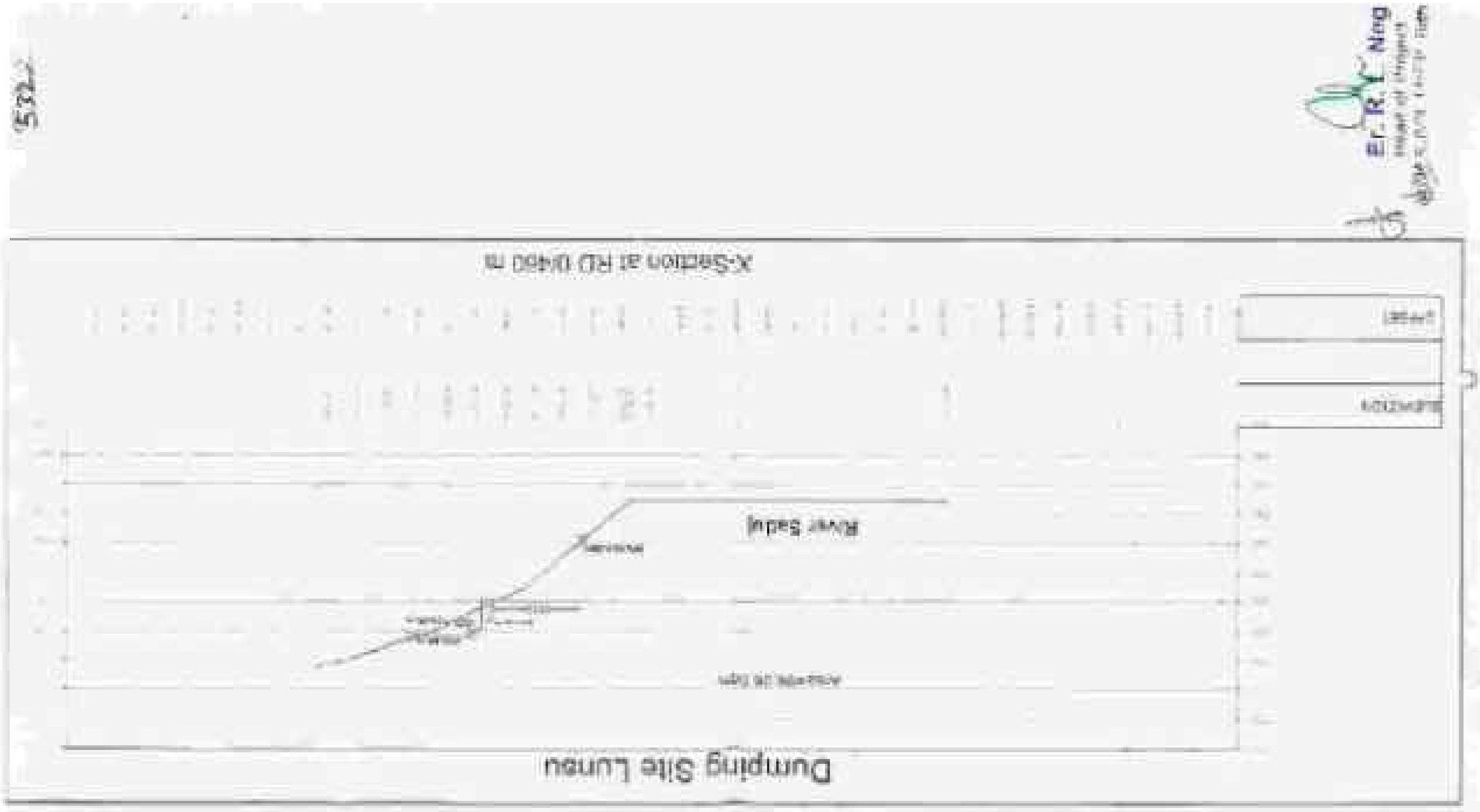
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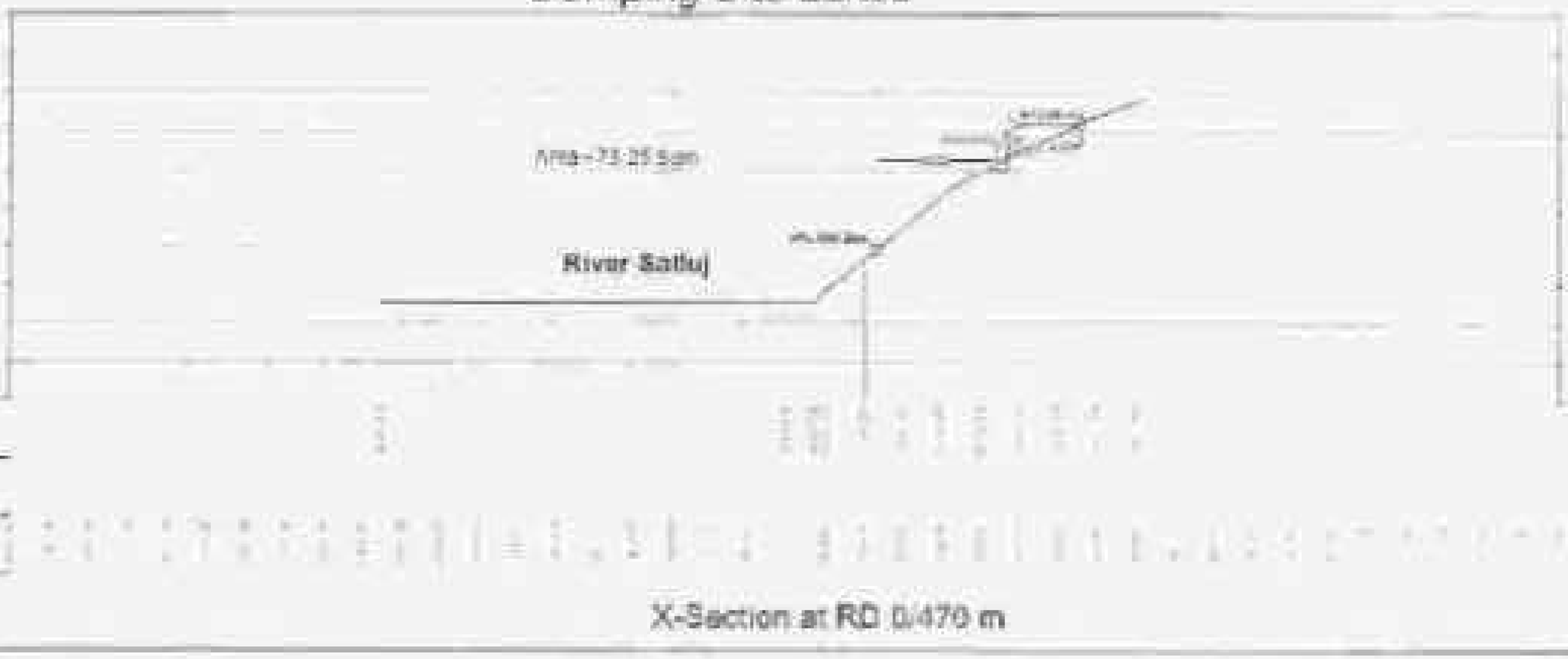


Er. R... Negi


Dumping Site Lunsu
River Sadui
Bridge
Bridge

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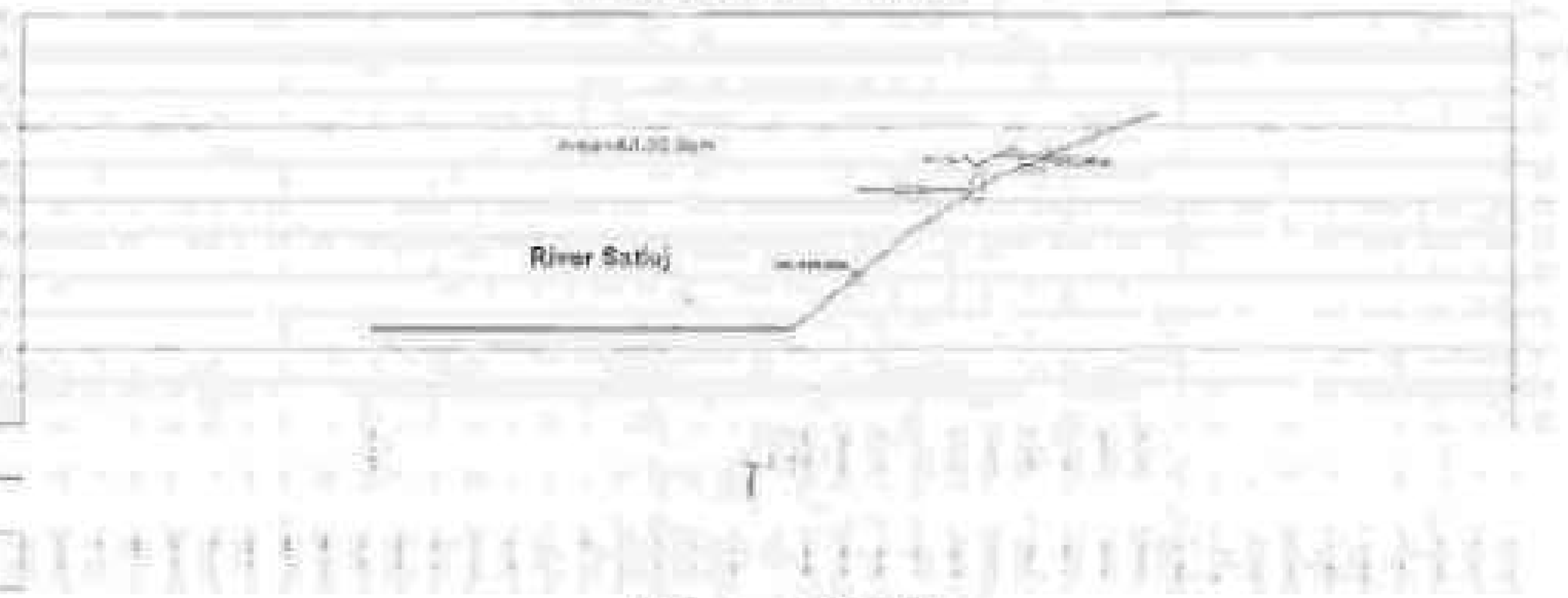
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X-Section at RD 0/480 m

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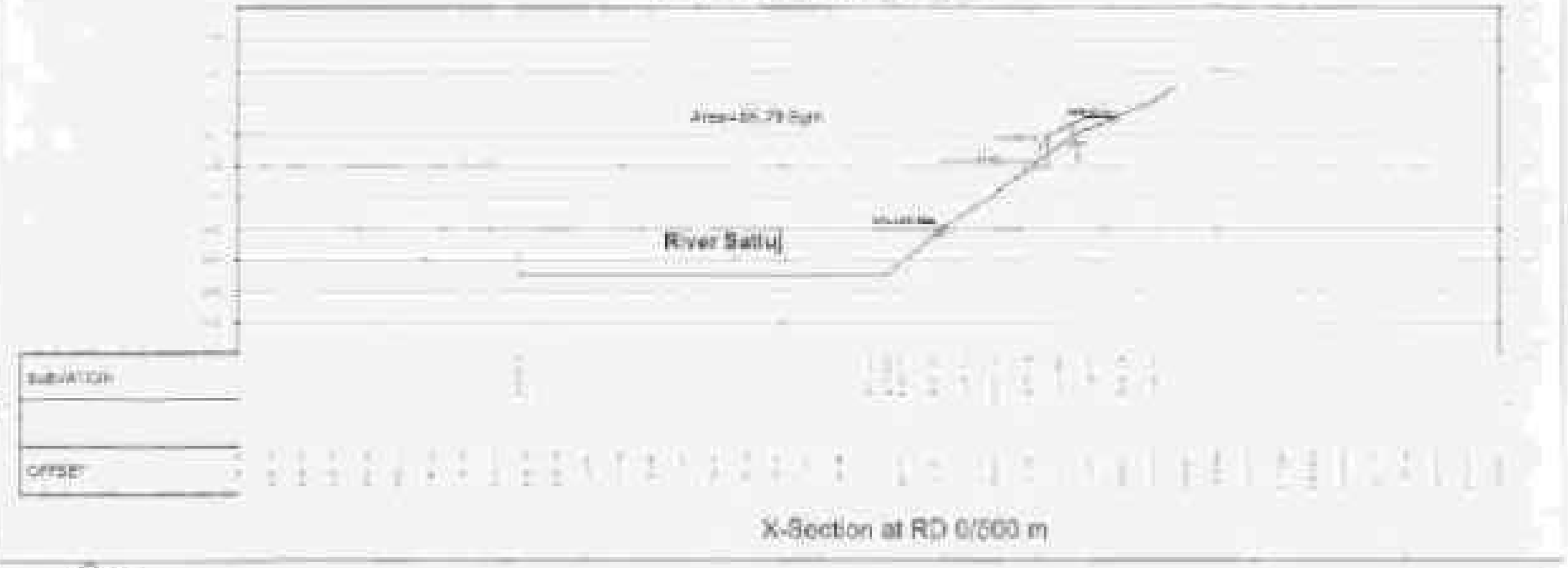
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X-Section at RD 0/400 m

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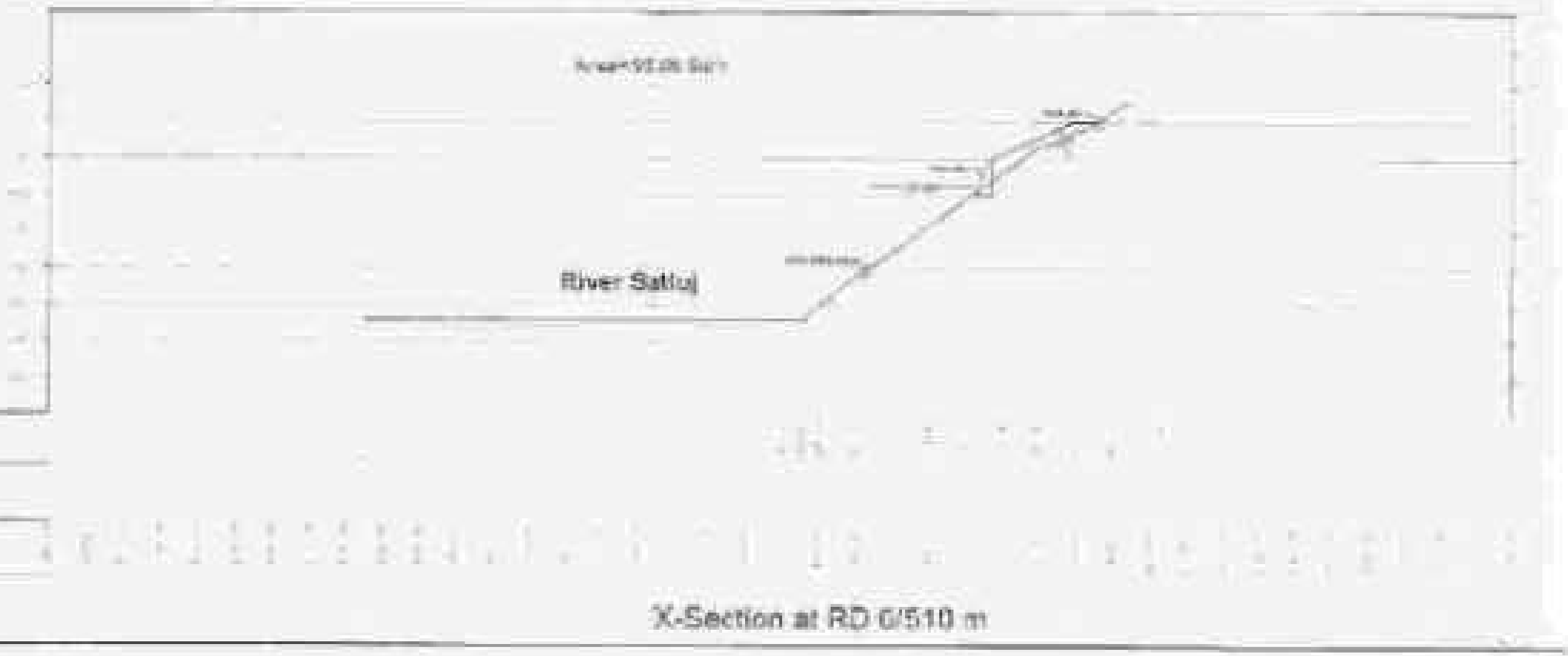


X-Section at RD 0/000 m

Er. R.L. Negi

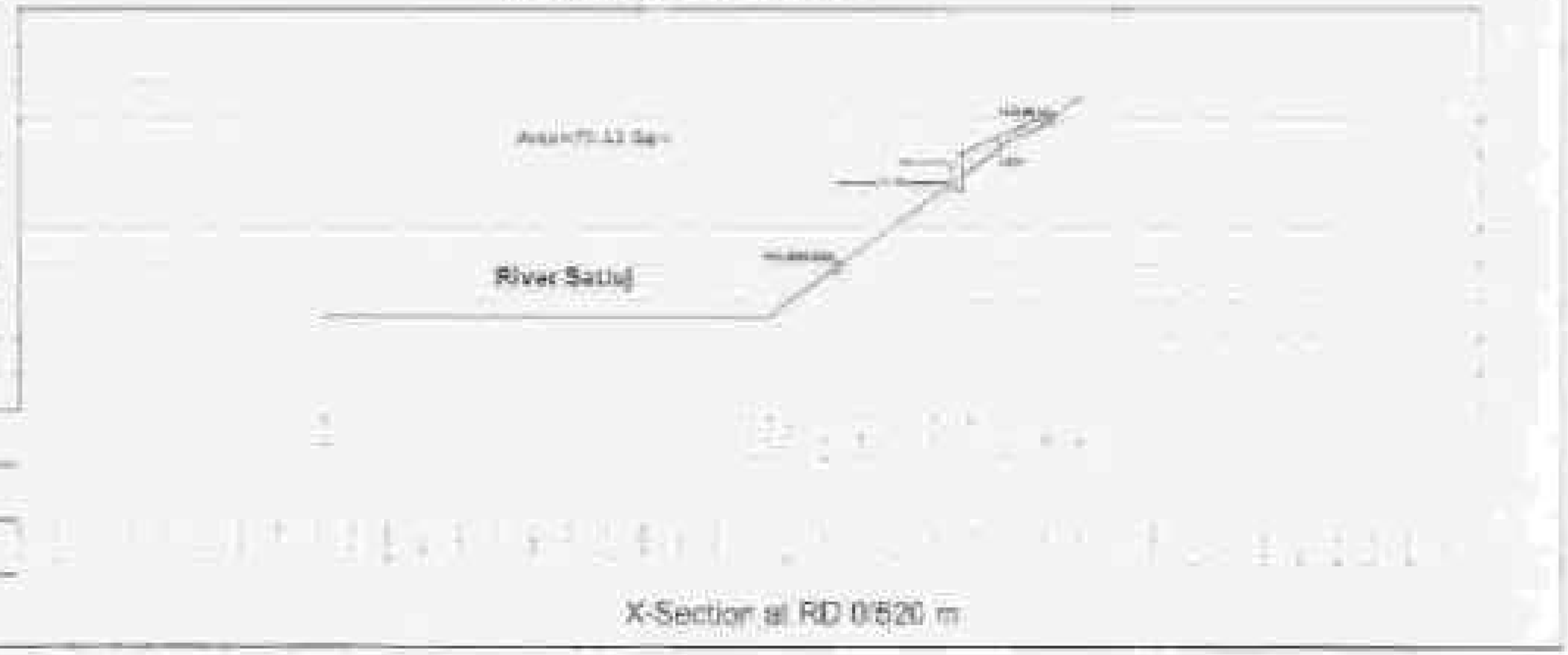
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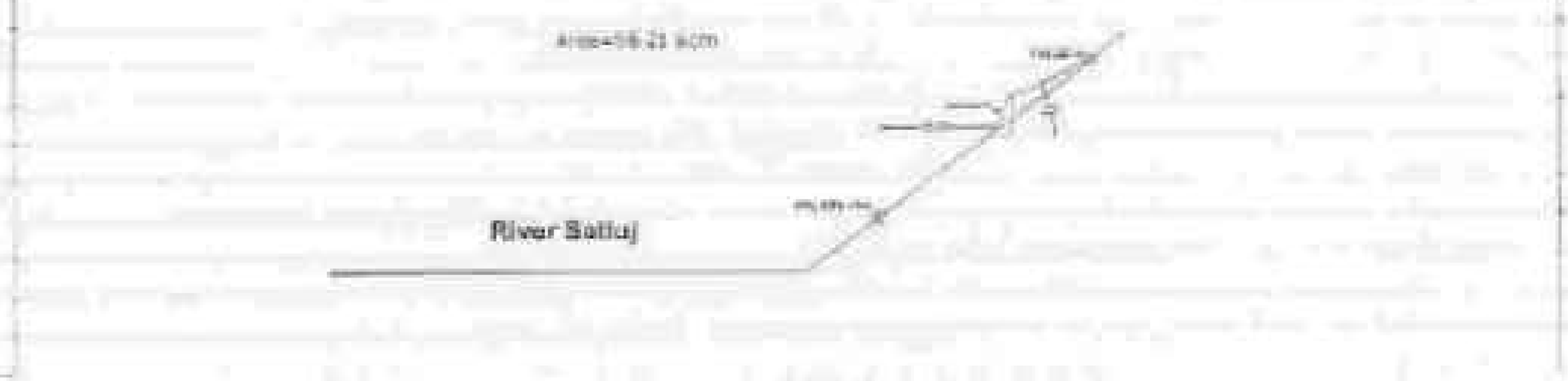
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X-Section at RD 0.620 m

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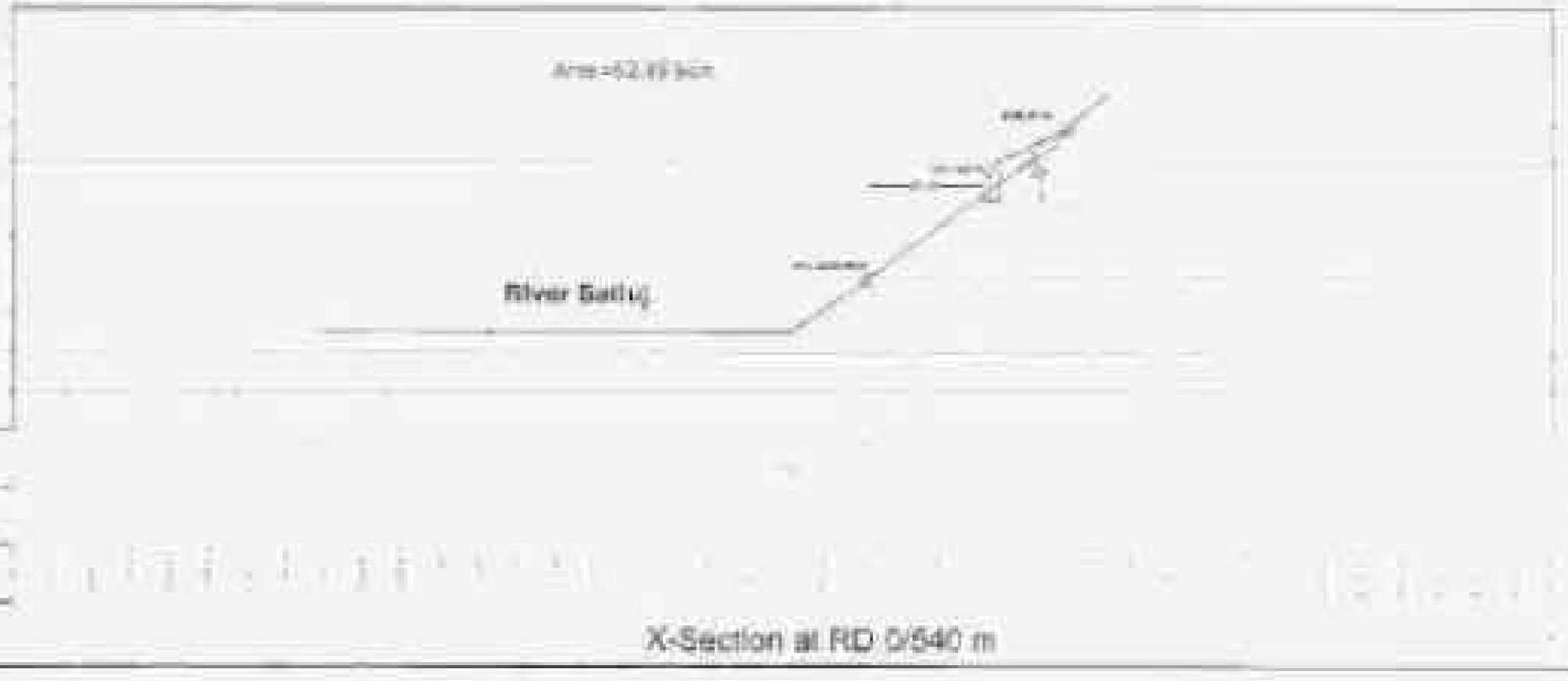
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X-Section at RD 0/530 m

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X-Section at RD 0/560 m

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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 projects 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, mines, multipurpose major irrigation projects, hydel projects, resort activity, railway lines, location specific installations like telecom-tower stations, sub-stations, canals, 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. ✓

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Head of Project
H.P.S.H.P. Simla

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Cost Benefit Analysis for diversion of forest land

Table – B: Estimation of cost of forest diversion.

Sr. No.	Parameters	MoEF Guidelines	HYDEL PROJECT	Total Cost (Rs. in Lakh)
1	Ecosystem services losses due to proposed forest diversion.	[illegible]	Total forest Land (class-VI) proposed for diversion- 391.0695 ha. 50% Rate of open forest of class-V @ 6.95 lac/ha.	2723.576
2	Loss of timber, biodiversity productivity, including loss of fodder	[illegible]	Total forest Land (class-VI) proposed for diversion- 88.1884 (Economic value of fodder productivity in alpine/year 1W 0.60% [illegible] Lakh (100% Rate for open forest of class-V) is 6.95/ha lac = 272.576 Lacs @ 10%	272.576
3	Cost of water conservation.	To be considered and appraised separately [illegible]	Calculated approximately on [illegible] Plan/EMP report for LHEP stage-II = 1255.00 Lacs.	1255.00
4	Loss of public facilities and infrastructure (Panchayat Bhawan, building, schools, dispensaries, electric lines, railways, telegraph lines, road, which would require forest land if these facilities were diverted due to the project)	To be considered and appraised separately on the basis of the area	There will be no loss of public facilities like educational institutions (Panchayat Bhawan, schools, dispensaries, electric lines, railways, telegraph lines, road, in case of any such loss, it will be compensated by 5.0%	*****
5	Shifting of the village of forest land diverted	[illegible]	Total forest Land (class-VI) proposed for diversion- 391.0695 ha. 60% Rate of open forest of class-VI @ 1.95/ha lac = 2723.576 Lacs @ 10%	820.073
6	Cost of ancillary activities	[illegible]	Calculated R&R cost per R&R Plan- 10. Social cost of rehabilitation of oustees- 10lac @ Rs.2.0lac- compensation Wasteland- 20x 2.0lac/ha X 1.5 factor = [illegible]	22.600
7	Habitat fragmentation Cost	[illegible]	Total Forest Land (class-VI) proposed for diversion- 391.0695 ha. 50% Rate of open forest of class-V @ 6.95/ha lac. [illegible]	1356.788
8	Compensatory afforestation (Net Present Value) & Afforestation cost	[illegible]	Calculated cost for compensatory afforestation [illegible]	5750.730
			Grand Total	14227.475 Lakhs

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Head of Project

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544

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

Sr. No.	Parameters	MoEF Guidelines	HYDEL PROJECT	Total Benefits (Rs. in Lakhs)
1	Increase in productivity attribute to the specific project	Consultant's opinion, assessment using data survey	Net energy generation (Annual) = 238.934 MU Saleable energy @ 87.36% Additional tariff @ [illegible] Lakhs	65858.793
2	Benefit to economy due to the specific project.	As mentioned in guidelines, benefit shall also be the additional attributed to the specific project	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 save up the power 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 benefits are mainly [illegible] for a 90% dependable year with 90% machine efficiency, the project will generate annual revenue from sale of [illegible] of the production. 3. The overall improvement of the infrastructure, the roads, warehouses, communications etc. would build up the economy of the State and the living standard of the people will go up. 4. Adding more employment opportunities and paying taxes to economic growth. 5. The project benefits are maximum of 2911.85 Crores at completion cost. This will directly benefit the same [illegible] Sr.5 and Benefit for first five years 2911.859= 582.37 crores/year. This benefit has not been taken into account. Moreover, Increase in economy due to more industrialization and agriculture production amounted to 10.9% the cost of saleable energy= 65858.793x10.9%=6585.8793 Lakhs.	65858.793
3	No. of population benefitted due to specific project	As per the Hydel guidelines	The completion of the project will already benefit the population residing in 40 villages nearest Project affected Families as well as the entire population of the State [illegible] free power and rest of India through sale of electricity. **Therefore, is not benefit not valued.**	
4	Economic benefits due to of direct and indirect employment due to the project	As per the Hydel guidelines	During the peak construction stage employment will be generated for about 1800 skilled and unskilled manpower for about 5 years till completion of the project in addition to about 210 employees of BSEB. After the completion of the project about 300 people are likely to be employed in various categories for Operation, maintenance and security of the HEP. In the remote upstream and downstream of the roads in the above the Assuming 200people get employment after	

Er. R. L. Nogi
Head of Project
BVPL HEP, Bhaga

			completion of project. So Annual Benefits=58833.5865x12=705402 Lakhs	=0.08
8	Economic benefits due to Compensatory afforestation	[illegible] Compensatory Afforestation activity shall be taken up in degraded forest area in the ratio of 1:2 i.e. for every 1 ha of forest land diverted for the project, 2 ha of degraded forest land shall be treated at project proponent's cost. The benefit of the plantation activity for 10 years is considered	[illegible] 10% = cost of project. 5380.40+350.1100+7.200+5736.0 Lkhs	5736.50
			Grand Total (Annual Benefits)	**138433.586 Lakhs**
Assuming Project Life as 50 Years, Hence Benefits for 50 Years= 138433.5865x50				**6921679.00 Lakhs**

(C) Benefit/Cost Ratio

Total Benefit	6921679.00 Lakhs
Total Cost	14227.475 Lakhs
Benefit cost ratio	486.501

Er. R... Negi
Head of Project
KVK, UHF, Bharsar

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SHC

CERTIFICATE

It is certified that the area proposed for construction of Sunni Dam HEP (382 MW) in respect of this Division does not fall within the area of Shikari Devi Wildlife Sanctuary. However, the area of proposed project head falls approximately more than 18 KM aerial distance from the boundary of above sanctuary. It falls out of the proposed eco- sensitive zone of the Shikari Devi Wild Life Sanctuary and this road will not have any adverse effect on wildlife and habitat of the area during its construction and operation.

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

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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	337.6345	45.0898	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

Districts	Forest land(Ha)	Private land (Ha)	Total land (Ha)
Shimla	196.2343	49.5067	246.7410
Mandi	201.652	11.8975	213.0495
Total	**397.8863**	**61.4042**	**459.2905**

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

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Sunni Dam HEP

Forest Division wise/ Village wise land detail (with underground/ National Park)

Revised on 17/09/2021 as per details as per ARCA of RK No. 8282 & 7771 bn called in person and E. Delivered 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	Kiaryan	Jakhi	18.2827	3.7638	21.9641
			Dharoog	17.5203	6.1489	23.6332
		Chewri	Khatru	37.8539	9.5689	47.4227
			Underground/Surface area in Chewri	6.6830	0	6.6830
			Lassa	4.5570	3.1672	7.7242
			Bhaguara	0	3.2502	3.2502
		Rasg	Bathaura	7.2771	3.8662	11.1433
			Pandaya	15.0429	0.4448	15.4877
			Gachiana	6.5301	0.8041	7.3342
		Ogli	Taloh	23.5803	3.3225	26.9028
			Ogli	22.1624	4.7589	26.9213
			Kandhi	6.3146	0.3422	6.6568
			Hulgi	8.5958	9.5551	18.1510
		Total in Shimla Division		**159.3484**	**48.4824**	**207.7308**
	Kotgarh	Ranehar	Bhrauli	2.7544	0.00	2.7544
			Tiuni	9.4813	0.0000	9.4813
		Mogra	Bhangrun	12.3032	1.8678	14.171
			Mojhgaon	13.8475	0.2165	13.0639
		Total in Kotgarh Division		**37.3869**	**1.1843**	**38.4903**
Mandi	Karsog	Sarnola	Jaldeon	14.0748	3.8338	17.2958
			Nagnam	27.2238	5.0899	27.3414
		Bindi	Dadog	12.2269	3.2213	15.3482
			Dharwal Bindi	23.2181	2.8108	26.3183
			Underground/Surface area in Bindi	3.1963	0	3.1963
		Parlog	Nalaan	14.3361	2.7994	25.0636
			Khanyoli	4.4417	0.00	4.4417
			Parlog	13.8435	2.4457	16.2892
			Bohalthanda	15.2072	2.4770	17.6091
		Shaurra	Khanyoli	26.6870	2.6227	29.3093
		Nang	Chaiyan	2.1234	0.00	2.1234
			Tandal	5.1845	0.01	5.1945
		Total in Karsog Division		**201.8508**	**31.8979**	**233.8109**
		Grand Total		**397.8563**	**81.4647**	**479.3905**

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

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[illegible]

Subject: Memorandum of Understanding (MoU) regarding [illegible] of Lohit-I & II HEP & Subansiri Hydro Electric Project in Dhemaji & Lakhimpur Distt. Assam [illegible] – Signing thereof.

Sir,

I have been directed to convey that the Government has approved [illegible] Lohit-I (1219 MW) & II (165 MW) HEP and Subansiri Hydro Electric Project (2000 MW) in Assam on implementation on standalone basis without Special Purpose Vehicle (SPV) i.e. on the pattern of Kameng HEP and also approved the draft Memorandum of Understanding (MoU) for above Projects [illegible] on the lines of MoU signed for Kameng HEP.

In furtherance [illegible] of the MoU for [illegible] Projects with the Government of Assam, it is requested to furnish particulars of the land & Area required [illegible] and the copies of the [illegible] Lohit HEP. A copy of the approved draft MoU is [illegible] Annexure-A', for taking necessary action please.

Yours faithfully,

Encl: As above

Chief Engineer (Energy)
Department of Energy, Itanagar

Copy to the Additional Chief Secretary (I&FC & Power), [illegible] Itanagar (Arunachal Pradesh) for [illegible] information and necessary action please.

Chief Engineer (Energy)
Department of Energy, Itanagar

Ex. R.L. Nigal
Head of Project
Subansiri, NHPC Ltd.

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DIRECTORATE OF ENERGY
GOVERNMENT OF HIMACHAL PRADESH
SHANTI BHAWAN, PHASE-III, SECTOR-6, NEW SHIMLA-171009
Ph. +91-177-2673562, FAX +91-177-2673563, e-mail: [illegible]
No. HPDA/CE(HP)/Tech/HEP/20[illegible]/ 11817-315 Dated: 5/10/2017

To
The Chairman-cum-Managing Director
SJVN Ltd, Corporate Office complex
Shimla-Shimla-171006

Subject: Accordal of techno-economic clearance to 412 MW Jhakri Nigali Dhanpur - Dhaki at Administrative approval.

Sir,

With reference to above subject, I am directed to inform you that the Competent Authority has accorded techno-economic clearance to the proposed 412 MW Jhakri Nigali Dhanpur - Dhaki at Administrative approval.

2. The proposed project is located in Village Jhakri, Nigali, Dhanpur, Dhaki, Tehsil Rampur, District Shimla, Himachal Pradesh. The project envisages utilization of 412 MW (4x103 MW) installed capacity with 1250 MW in Sutlej River. The project is to be developed as a run-of-river scheme with a gross head of 1250 m and design discharge of 120 cumecs. The annual energy generation is estimated as 2100 MU in a 90% dependable year.

3. The project is to be developed by SJVN Ltd. in accordance with the Memorandum of Understanding signed between the Government of Himachal Pradesh and SJVN Ltd. on 12.12.2016.

4. The techno-economic clearance is accorded subject to the following terms & conditions:

i) The project shall be developed in accordance with the Hydro Power Policy, 2006 and the Himachal Pradesh Electricity Regulatory Commission (Terms & Conditions for determination of Generation Tariff and other matters) Regulations, 2011 as amended from time to time.

ii) The project shall be developed in accordance with the Himachal Pradesh Water Resources (Regulation) Act, 2005 and the Himachal Pradesh Water Resources (Regulation) Rules, 2011 as amended from time to time.

iii) The project shall be developed in accordance with the Himachal Pradesh Forest Act, 1927 and the Himachal Pradesh Forest Conservation Rules, 2003 as amended from time to time.

iv) The project shall be developed in accordance with the Himachal Pradesh Land Revenue Act, 1954 and the Himachal Pradesh Land Revenue Rules, 1971 as amended from time to time.

v) The project shall be developed in accordance with the Himachal Pradesh Public Premises and Land (Eviction and Rent Recovery) Act, 1971 as amended from time to time.

vi) The project shall be developed in accordance with the Himachal Pradesh Ancient Monuments, Archaeological Sites and Records Act, 1997 as amended from time to time.

vii) The project shall be developed in accordance with the Himachal Pradesh Town and Country Planning Act, 1977 as amended from time to time.

viii) The project shall be developed in accordance with the Himachal Pradesh Public Health and Public Premises (Control) Act, 1976 as amended from time to time.

ix) The project shall be developed in accordance with the Himachal Pradesh Municipal Corporation Act, 1994 as amended from time to time.

x) The project shall be developed in accordance with the Himachal Pradesh Municipal Act, 1994 as amended from time to time.

xi) The project shall be developed in accordance with the Himachal Pradesh Panchayati Raj Act, 1994 as amended from time to time.

xii) The project shall be developed in accordance with the Himachal Pradesh Land Acquisition Act, 1894 as amended from time to time.

xiii) The project shall be developed in accordance with the Himachal Pradesh Land Acquisition (Rehabilitation and Resettlement) Act, 2013 as amended from time to time.

xiv) The project shall be developed in accordance with the Himachal Pradesh Land Acquisition (Rehabilitation and Resettlement) Rules, 2014 as amended from time to time.

xv) The project shall be developed in accordance with the Himachal Pradesh Land Acquisition (Rehabilitation and Resettlement) Rules, 2014 as amended from time to time.

xvi) The project shall be developed in accordance with the Himachal Pradesh Land Acquisition (Rehabilitation and Resettlement) Rules, 2014 as amended from time to time.

xvii) The project shall be developed in accordance with the Himachal Pradesh Land Acquisition (Rehabilitation and Resettlement) Rules, 2014 as amended from time to time.

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cccxxxiii) The project shall be developed in accordance with the Himachal Pradesh Land Acquisition (Rehabilitation and Resettlement) Rules, 2014 as amended from time to time.

cccxxxiv) The project shall be developed in accordance with the Himachal Pradesh Land Acquisition (Rehabilitation and

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एसजेवीएन लिमिटेड
SJVN Limited
(A joint venture of Govt. of India & Govt. of Himachal Pradesh)
A 'Mini Ratna' & Schedule 'A' PSU
CIN : U40101HP1988GOI008409
सुन्नी डैम हाईड्रो पावर प्रोजेक्ट
Sunni Dam Hydro Power Project
ENVIRONMENT DEPARTMENT

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

It is to inform that the Detailed Project Report (DPR) of Sunni Dam HEP has been prepared and submitted to **Central Electricity Authority (CEA)** on 30.08.2019 for **Techno-Economic Appraisal (T.E.A)** and is under examination with CEA, SJVN Ltd. hereby undertake to provide the copy of Techno-Economic Appraisal (T.E.A) as soon as it shall be issued by Central Electricity Authority (CEA).

For & on behalf of SJVN Ltd.

Authorized Signatory

Er. R.L. Negi
Chief General Manager
SJVN Ltd. Sunni Dam HEP, Bithal
Distt. Shimla (H.P)

Date : 20/11/2019
Place : Bithal

Divisional Forest Officer,
Kumarsain Forest Division, H.P

Project office : Village Bithal, P.O. Shirvahrain
Tehsil Kumarsain, Distt. Shimla 171209
Tele: 01783-221807, Fax No. 01783 222377 www.sjvn.nic.in
Corporate HQ. : Shakti Sadan Shanag
Shimla-171006(H.P)

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एसजेवीएन लिमिटेड
(भारत सरकार एवम् हिमाचल सरकार का संयुक्त उपक्रम)
(शिमला एवम् सिंहसूत्र में पंजीकृत)

SJVN LIMITED
(A Joint Venture of Govt of India & Govt of H.P.)
(A Mini Ratna Schedule 'A' PSU)

कॉर्पोरेट चार्जिंग: शिमला /Corporate Plaza: Shimla

कॉर्पोरेट कार्यालय /Shanan, Shimla-171 006

दूरभाष / Tel No. : 0177 – 2661100
फैक्स / Telefax : 0177 – 2661101

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

August 30, 2019

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

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

Sir,

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

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

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

The project is estimated to cost Rs.2355.71 Crores including IDC, Financing charges and infrastructure works amounting Rs. 24.48 Cr at June, 2019 price level. The design energy of the project is 1381.77 GWh. The breakup of the cost estimate & tariff is given below:-

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

Registered & Corporate Office : SJVN Corporate Head Quarters, Shanan, Shimla-171006 (H.P.)
पंजीकृत कार्यालय एवं कॉर्पोरेट हेड क्वार्टर, शानन, शिमला - 171006 (हि. प्र.)
E-mail : sjvn@hotmail.com CIN:L40101HP1988GOI008409

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Financial Charges	=	Rs.8.05 Crore
Total Basic Cost including IDC and FC	=	Rs.355.71 Crore
1st year Tariff	=	Rs.4.53/kWh
Levelised Tariff	=	Rs.4.17/kWh

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

Yours faithfully,

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

CC:

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

Executive Engineer
Concerned Project
SJVN, Limited, Bilaspur

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No.SE BTS-SDR-MA-EC(F.No.07/30/17) Dt. 7-2-18
Himachal Pradesh
I&PH Department

To

M/s Er. Vikash Mahajan,
AGM (Environment),
Sunl Dam Project, SJVN, Rithal

Dated Dunehenagar the 14 March, 2018.

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

Sir,

In pursuance to Principal Secretary (IPH) to the Govt. of HP Shimla letter No.IPH-B(F15-4/2009 dated 20-08-2007, no objection certificate is hereby granted to Sarvsri **Er. Vikash Mahajan, AGM (Environment), Sunl Dam Project, SJVN, Rithal** 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 Nerwa.
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 Shimla 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 requirements of department shall have precedence over the requirements of this project.
5. The firm shall ensure that for protection of minimum flow of water to be released and maintained throughout the year immediately downstream of the diversion site to a threshold value of not less than 15% of the minimum lean observed at the free access 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 resources as well as Private Kuhals/Irrigation schemes/Water Supply Schemes 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 submit the requirement of private users, if any.

Er. R.L. Negi
Head of Project
SJVN, I/HP, Rithal

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555

Re. No. 3307/BRO
Subject: NOC for Construction
Name: Vikash Mahajan
Mobile No. 94635 87781

a) 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
for I/C Circle Bandernagla

Copy forwarded to the Principal Secretary (PH) to the Govt. of HP Shimla-2 with reference to their office letter No. PH-B(15-4)/2006 dated 23-8-2007 for favour of information please.

Copy forwarded to the Engineer-in-Chief, HPPH department Shimla-1 for favour of information please.

Copy forwarded to the Chief engineer (ZZ) HPPH department Mandi for favour of information please.

Copy forwarded to the Executive Engineer, HPPH Division, Sarkaghat for information and necessary action with reference to his office letter No. 18294 dated 01/11/07 vide which the case for issuing NOC has been recommended in favour of **Sh. Vikash Mahajan, AGM (Environment), Sunni Dam Project, SJVN, Bithal.**

Superintending Engineer
HPPH Circle Bandernagla

Er. R.K. Negi
Head of Project
SJVN Ltd., Sunni

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

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556

Himachal Pradesh
I&PH Department

No. IPH-SE-WS-30/A-1 NOC Sunl Dam/ 2018 3759-73 Dated: 16.10.2018

To

The AGM(UW)/Sunl Dam
HEP Bilaspur Thatif Sunl
Distt Shimla HP

Subject: NOC Sunl Dam

In pursuance to Principal Secretary (I&PH) to the Govt of H.P. Shimla letter No.B-H-1/F.5-A-2003 dated 2007 the necessary NOC as applied for the construction of 573 KW Sunl Dam Hydro Electric project Power House in Tehsil Sunl, District Shimla HP is hereby issued so far the District Shimla is concerned subject to following terms and conditions:-

1. The Firm shall enter into legal agreement with the department in this respect.
2. The concerned Engineer I&PH Division Sunl and IPH District Malaona shall be the sole arbitrator of any dispute arising during construction as well as subsequently and its decision shall be binding on all the parties.
3. In case there is any scarcity of water due to drought or any reason, the requirement of department shall have precedence over the requirement of this Hydro Electric project.
4. The firm shall ensure adequate minimum environment flow in river below the diversion site to take care of aquatic life and ecology of the area. However the minimum flow shall not be less that 25% of the available discharge at any time in the river.
5. The firm shall rehabilitate / repair components for the I&PH assets/ water resources as well as private kulhals / irrigation scheme / Water supply Schemes in case these are damaged or adversely affected due to construction of the project.
6. Additional requirement of water of the department in future in addition to the project demand will prevail over the requirement of the firm.
7. In addition to I&PH department requirements the firm will also satisfy the requirement of private users, if any.

Er. R.K. Negi
Head of Project
SJVNL CHP Rirkot

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2. Housing developers / builders in rural areas applying to the department will not be granted water from our existing schemes unless the scheme has sufficient water and the Gram sabhas of concerned gram panchayats pass resolutions approving same.
9. Permission to make alternative arrangements will be given subject to the condition that the arrangement will not affects adversely or impact on existing water supply source being used by the IPH Department or other users. It will be located at a reasonable distance from an existing ground water source and downstream of any existing surface water source. It will also require approval of gram Sabha of concerned Gram Panchayats.
10. The NOC and permission to make alternative arrangements shall be granted by local IPH Executive Engineer concerned withdrawn.
11. In the event of violation of the aforesaid terms and condition of the NOC by the firms the NOC shall be treated as cancelled.

Superintending Engineer
IPH Circle Shimla-9

Copy to the Engineer-in Chief, IPH Department, U.S Club, Shimla-1 for information please.

Copy to the Chief Engineer, (SZ) IPH Department, Shimla-1 w.r.t. his letter No-3225-30 dated 14-07-208 for information please.

Copy to the Executive Engineer, IPH Shimla Rural Division at Summ w.r.t. his office letter No-2576-72 dated 28-07-2018 for information and necessary action. He is direct to submit detail of assests to be effected during construction/ after completion of the above project.

Copy to the Executive Engineer, IPH Division Mallana w.r.t. his office letter referred for information and necessary action. He is direct to submit detail of assests to be effected during construction/ after completion of the above project.

Superintending Engineer
IPH Circle Shimla-9

Er. R. D. Negi
Head of Project
S.JVNL LHEP, Rohar

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558

No. HPAP (J)-35-146/2017-MIC/Sunni Dam Project- [illegible]
Directorate of Fisheries,
Himachal Pradesh

From

The Director cum-Warden of Fisheries,
Himachal Pradesh. 11/12/2018

To

Shri Vikas Mahajan,
Dy. General Manager
Sutlej Hydro Electric Project,(SHEP)
Bhilad, P.O. Sunni Hills, Tehsil Kumarsain
District Shimla (H.P.)-171209.

Dated Shimla-171001 the,

Subject:- NOC for Sunni Dam Project 378 MW in Shimla (H.P.).

Sir,

I invite a reference of your letter No. SHEP/Sunni Dam HEP/Env/NOC/Fisheries/2018-1565 dt. dated 27.07.2018 regarding subject cited above.

Keeping in view the approval of the State Govt., conveyed vide letter No. Fish-A(3) HPAP/2015-I, dated 14.06.2018 to issue a conditional NOC in favour of captioned HEP and keeping also in view the request contained in your letter cited at Sr.No.2 and subsequent deposition of Rs.[illegible] as well as [illegible] the payment of Rs. 5,00,50,000/- (Rupees One Crore Eighty Six Lac and Fifty Thousand only) for implementation of the project proposal for mitigation of fisheries issues, the Department of Fisheries, Himachal Pradesh has no objection if the project is carried at the site subject to fulfillment of above said conditions/clearance, NOC of the Department will be processed further and issued.

This may be treated as NO OBJECTION CERTIFICATE.

Yours faithfully,

(Satpal Nehra)
Director-cum-Warden of Fisheries,
Himachal Pradesh, Bilaspur.
Email: [illegible]
Tel/Fax: [illegible]

Endst. No. As above Dated:

Copy forwarded for favour of information to:-

1. The Principal Secretary (Irrigation) to the Govt. of H.P., Shimla-2.
2. The Director, Directorate of Energy, Govt. of H.P., Shanti Bhawan, New Shimla-9.
3. The Deputy Commissioner, Shimla, Distt. Shimla (HP).
4. The Chief Engineer (HPSEB), Vidyut Bhawan, Shimla-4.
5. The Assistant Director of Fisheries, Shimla, Distt. Shimla (H.P.).
6. Incharge, Web Cell, Directorate of Fisheries, H.P. for necessary action.

Er. R.L. Negi
Head of Project
SJVN, HEP Sunni

(Satpal Nehra)
Director cum-Warden of Fisheries,
Himachal Pradesh, Bilaspur.
Email: [illegible]
Tel/Fax: [illegible]

Er. R.L. Negi
Head of Project
SJVN, HEP Sunni

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एसजेवीएन लिमिटेड
SJVN LIMITED

559

No. SJVNL/MP- 38/1661 Dated: 05/10/2017

To

The Principal Chief Conservator of Forests,
Himachal Pradesh Forest Department,
Tutikandi,
Shimla-171 005

Subject: Declaration of authorized signatory for Diversion of forest land at 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 Luhri in Tehsil Rampur, Distt. (HP) Stage-II near village Nogli and Sunni Dam Project near village Khaira in Himachal Pradesh. For the purpose of processing proposal for diversion of forest land for these projects under FC Act, 1980, I/We hereby authorized to submit the relevant papers/documents/undertakings etc. for Luhri Hydro Electric Project Stage -I (210 MW), LHEP Stage-II and Sunni Dam Project.

Thanking you,

Yours faithfully,

(R.N.Misra)
Director & Managing Director
DIN: 03109128

Countersigned by:

1. The Nodal Officer (Forest), O/o CA, Govt. of H.P., Shimla-171 001 (H.P.)
2. The Asstt. Conservator of Forests, Rampur Upper Circle, Rampur Bushar, Distt. Shimla (H.P.)
3. Major (Retd.) Rahul Sharma, Dy. Secretary (Power)

C.L. Negi
Head of Power
SJVNL, CHD.

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JOINT INSPECTION REPORT OF SUNNI DAM HEP

Diversion of Forest Land under Kotgarh Forest Division

Joint inspection of the forest land *under Kotgarh Forest Division* proposed to be diverted for the development of **Sunni Dam HEP** in District Shimla (H.P.) has been carried out on 17/05/2018.

The user Agency has proposed the Project to be taken up for implementation near Khaira and falls in district Shimla and Mandi of Himachal Pradesh as a run-of-the River project on River Sutlej. The project envisages construction of a 171 m above River Bed high concrete gravity dam near Khaira, River diversion Tunnel 680m long on left Bank, intake structure comprising of three (03) no. Intakes & three (03) no. of pressure Shafts further bifurcated into six (06). An underground power house on the right bank with 6 Nos. of Francis Turbines has been proposed with installed capacity of 373 MW having Main units of 3 x 71 MW and Auxiliary units of 1x71 MW+1x18MW.

The project is estimated to cost **2911.85 Cr.** including IDC and financing charges at March 2017 price level. The Annual energy of the project calculated as 1399.95 GWh. The tariffs for the project are as below: 1st year Tariff 5.40₹/Wh. Levelised Tariff 8.07₹/Wh. The construction period of the project has been proposed as 5 years.

The total forest land finalized for the project is **391-06-95** ha & falls on left & right banks of River Sutlej in District Shimla and District Mandi under Shimla, Kotgarh and Karsog Forest Divisions. The total land identified shall be utilized for various project components i.e. construction of underground Power House, dam, reservoir, diversion tunnel, job facilities, approach roads, bridge etc.

Some area of the reservoir of the Project is located under Kotgarh Forest Division. The land required under **SDM, Kumarsain sub-division** (in *Kotgarh Forest Division*) comes out to be **37-38-59 Ha** out of the **total 391-06-95 ha** of forest land required for the **Project** (including 03-87-45 Ha. for underground works of diversion tunnel & Power House on national basis).

Divisional Forest Officer
Kotgarh Forest Division, HP

Er. R. K. Negi
Head of Project
SJVN, HEP, Sirhul

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There is no scope of avoidance of forest land for diversion of 37-38-59 Ha of forest land under **SDM, Kumarsain** sub-division (in Kolgarh Forest Division) in the larger economic and cannot be escaped.

The State Inspection committee therefore recommends that 37-38-59 ha of forest land (in Kolgarh Forest Division) as per **check** list No.6 **enclosed** as Annexure-II may be diverted under section 2 of the Forest Conservation Act 1980.

Divisional Forest Officer
Kolgarh Forest Division
Kolgarh (H.P.)

Sub-Divisional Magistrate
Kumarsain, District Shimla
(H.P.)

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

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Full Title of the Project: Sarasvati Dam Project (172 MW).
File No.:
Date of Proposal:

CHECK LIST SERIAL NUMBER: 66

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

Sl. No.	District	Division	Range/Beat/Village	Khasra Survey no./Compartment Number with Area	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
				[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

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JOINT INSPECTION REPORT OF SUNNI DAM HEP

For Diversion of Forest Land under Shimla Forest Division

Joint Inspection of the forest land *under Shimla Forest Division* proposed to be diverted for the development of **Sunni Dam HEP** in District Shimla (H.P.) was carried out on 12/09/2019.

The user Agency has proposed the Project to be taken up for implementation near Khaira and falls in distrct Shimla and Mandi of Himachal Pradesh as a run-of-the River project on River Sutlej. The project envisages construction of a 71 m (above River Bed) high concrete gravity dam near Khaira, River diversion Tunnel 4642m long on left Bank, intake structure comprising of three (03) no. intakes & three (03) no. of pressure Shafts further bifurcated into six (06). An underground power house on the right bank with 6 Nos. of Francis Turbines has been proposed with installed capacity of 382 MW having Main units of 4 x 73 MW and Auxiliary units of 1x7MW+1x17MW.

The project is estimated to cost **2555.71 Cr.** including IDC and financing charges at June, 2019 price level. The Annual energy of the project calculated as 1381.77 GWh. The tariffs for the project are as below. 1st year Tariff 4.53/kWh, Levelized Tariff 4.18/kWh. The construction period of the project has been proposed as 4 years & 7 months.

The total forest land finalized for the project is 397-16-92Ha & falls on left & right banks of River Satluj in District Shimla and District Mandi under Shimla, Kotgarh and Karsog Forest Divisions. The total land identified shall be utilized for various project components i.e. construction of underground Power House, dam, reservoir, diversion tunnel, Job facilities, approach roads, bridge etc.

The construction of Dam, Diversion Tunnel, reservoir, Dumping areas, approach roads etc. are located *under* Shimla Forest Division. The land required under *Shimla Forest Division* comes out to be **159-34-84 ha** (including 00-68-00 ha. for underground works of Diversion Tunnel on notional basis) out of the total 397-16-92 Ha of forest land required for the project (including 03-17-45 ha. for underground works of diversion tunnel on notional basis).

Ex. R.L. Negi
DGM(Land) of
SJVNL, HEP

Sub-Division Magistrate
Shimla (Rural)

AE 14/9/19
Sunni

Divisional Forest Officer
Shimla

RFO Sipihi

Dy. Conservator of Forests
Shimla

Divisional Forest O

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*** in the best common and cannot be escaped.

The Joint Inspection committee therefore recommends that **159-34-84 ha** (including 30-68-00 Ha. for underground works of Diversion Tunnel on notional basis) of forest land as per check list No.6 (enclosed as Annexure-I) may be diverted under section 2 of the Forest Conservation Act 1980.

AE HPPWD Shimla

Tehsildar Shimla

HPSEBL

Divisional Forest Officer
Shimla Forest Division
SHIMLA

Sub-Division Magistrate
Shimla (Rural)

Dr. R.L. Singh
Consultant of Project
SJVN, UHEP, Rampur

Full Title of the Project: Sissiri Dam Project (382 MW).
File No. :
Date of Proposal:
CHECK LIST SERIAL NUMBER:- 07

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

Sr. No	Districts	Tehsil/Dist	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number or Rev. Estate	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	2	3	4	5	6	7	8
1	बिलासपुर	लुहरी	खास कुण्डू वनखंडी खास कोहिया	18	0.2342	रिजर्व जंगल	
	—"—	—"—	—"—	19	0.3423	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	23	0.2223	जमाबन्द हमीरपुर	
	—"—	—"—	—"—	85/21/ref	3.2210	जमाबन्द जमाबन्द	
	—"—	—"—	—"—	33	0.1460	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	35	0.2851	जमाबन्द जिला हमीरपुर	
				जिला-4	4.9426		
2	बिलासपुर	बिलासपुर	खास अन्दर वनखंडी अन्दर पाबुरी	3of1r	10.2356	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	218	3.0457	जंगल झाड़ियां लायक	
	—"—	—"—	—"—	222	0.0427	जंगल झाड़ियां लायक	
					13.3440		
			खास जिला वनखंडी अन्दर पाबुरी				
	—"—	—"—	—"—	8887	2.4143	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	3831	0.1705	जंगल झाड़ियां लायक	
	—"—	—"—	—"—	3863/831	3.7396	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	3862/22	0.5359	जमाबन्द जिला हमीरपुर	
				जिला-1	36.6348		
					77.7960		
	बिलासपुर	बिलासपुर	खास जिला वनखंडी खास	700	0.0337	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	708	0.0871	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	219	0.1464	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	220	0.1914	जमाबन्द जिला हमीरपुर	
	—"—	—"—	—"—	332	0.0419	जमाबन्द हमीरपुर	
	—"—	—"—	—"—	337	0.1464	जमाबन्द जिला हमीरपुर	

Sub... Shimla (Rural)
AE HPPCL Sunni
Tehsildar Sunni
HPSEBL
Forest Range Officer
Divisional Officer
Shimla Forest D

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				284	0.0364	
				282	0.2178	
				283	0.0252	
				280	0.0132	
				278	0.2130	
				281	0.0183	
				280	0.0226	
				277	0.1726	
				276	0.0507	
				283	0.0263	
				284	0.0319	
					2.9685	
		Total in Khaira Village			11.0388	
1					0.3824	
				90	0.1248	
				87	1.7406	
				61	0.2016	
				91	0.5620	
				63	0.5473	
				18	0.2711	
				184	0.4726	
				7	0.0768	
				8	0.1410	
				9	0.4736	
				109/72	0.4060	
				278	0.0280	
				279	0.0343	
				282	0.0066	
				283	0.0251	
				284/1	0.0408	
				286	0.0870	
				278	0.0254	
				282/2	0.0756	
				63/1	0.0367	
				62/1	0.0067	
				198	0.0210	

Road to Quarry

Sub Divisional Magistrate
Khairia

S.E. HPPWD

Tehsildar

HPSEBL

Bo Himmat
FOT-BJ Dadpi

DC Bilaspur
Shimla

	—〃—	—〃—	—〃—	491	0.0021	खसरा नंबर इकहरा	
	—〃—	—〃—	—〃—	492	0.0544	खाइल जमीन	
	—〃—	—〃—	—〃—	494	0.0080	खाइल जमीन दोहरा इकहरा	
	—〃—	—〃—	—〃—	1061	0.0077	खसरा नंबर दोहरा	
	—〃—	—〃—	—〃—	1062	0.0029	पैर मुकर्रिर मुसल	
	—〃—	—〃—	—〃—	1063	0.0518	पैर मुकर्रिर पाखा	
	—〃—	—〃—	—〃—	118	0.4182	खाइल इकहरा	
	—〃—	—〃—	—〃—	117	0.1054	खाइल इकहरा	
	—〃—	—〃—	—〃—	116	0.0143	खाइल इकहरा	
	—〃—	—〃—	—〃—	336	0.1049	इकहरा खसरा	
				कितना-42	18.1487		
4	तिलपता	तिलपता	खाल नाला इकहरा	42	0.0038	पैर मुकर्रिर नाला	
	—〃—	—〃—	—〃—	1241	0.0017	खसरा नंबर इकहरा	
	—〃—	—〃—	—〃—	33	0.4540	इकहरा इकहरा	
	—〃—	—〃—	—〃—	1242	1.0042	पैर मुकर्रिर पटिया	
	—〃—	—〃—	—〃—	34	0.1012	खसरा इकहरा	
	—〃—	—〃—	—〃—	461	4.5516	इकहरा इकहरा	
	—〃—	—〃—	—〃—	458	1.6704	पैर मुकर्रिर पटिया	
	—〃—	—〃—	—〃—	454	0.0053	खाइल खसरा	
	—〃—	—〃—	—〃—	454	0.0147	पैर मुकर्रिर दोहरा	
	—〃—	—〃—	—〃—	457	0.0004	पैर मुकर्रिर खसरा	
	—〃—	—〃—	—〃—	427	6.2879	खसरा इकहरा	
	—〃—	—〃—	—〃—	429	6.2776	खसरा खिल इकहरा	
	—〃—	—〃—	—〃—	428	0.1313	खसरा इकहरा	
	—〃—	—〃—	—〃—	431	0.1351	खसरा इकहरा	
	—〃—	—〃—	—〃—	432	0.0284	पैर मुकर्रिर दोहरा	
	—〃—	—〃—	—〃—	433	0.0004	पैर मुकर्रिर खसरा	
	—〃—	—〃—	—〃—	434	0.0004	खसरा इकहरा	
	—〃—	—〃—	—〃—	435	0.0026	खसरा इकहरा	
	—〃—	—〃—	—〃—	436	0.0077	खाइल दोहरा	
	—〃—	—〃—	—〃—	1061/1	0.1700	खसरा इकहरा	
	—〃—	—〃—	—〃—	1062/1	0.3905	खसरा दोहरा	
				कितना-18	27.5208		
5	तिलपता	तिलपता	खाल नाला इकहरा	1	3.2534	पैर मुकर्रिर दोहरा	
	—〃—	—〃—	—〃—	3	2.7249	पैर मुकर्रिर दोहरा	
	—〃—	—〃—	—〃—	2511	3.2396	खसरा इकहरा	
	—〃—	—〃—	—〃—	270	0.0104	इकहरा दोहरा	
	—〃—	—〃—	—〃—	2207	0.2515	पैर मुकर्रिर खाल	
	—〃—	—〃—	—〃—	564	1.0537	खसरा खिल इकहरा	
	—〃—	—〃—	—〃—	2	0.1054	पैर मुकर्रिर पाखा	
	—〃—	—〃—	—〃—	3	0.1363	खसरा खिल इकहरा	
	—〃—	—〃—	—〃—	5	0.0012	इकहरा इकहरा	
	—〃—	—〃—	—〃—	6	1.1313	दोहरा इकहरा	
	—〃—	—〃—	—〃—	2512	0.2222	खसरा इकहरा	
	—〃—	—〃—	—〃—	117	0.2048	खसरा खिल इकहरा	
	—〃—	—〃—	—〃—	564	0.0054	खसरा इकहरा	
	—〃—	—〃—	—〃—	565	0.0408	खसरा इकहरा	
	—〃—	—〃—	—〃—	401	0.2193	पैर मुकर्रिर दोहरा	
	—〃—	—〃—	—〃—	4011	0.1261	खसरा इकहरा	

Sub-Divisional Magistrate
Shimla (Rural)

Tehsildar

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				जिला-जो	23.1863		
6	तिलपट	तिलपत	पहाड़ मोटाई डोगाटरी पहाड़	1	3.5226	पी पुखरिया दोगिल	
	—"—	—"—	—"—	2	6.1874	पी पुखरिया दोगिल	
	—"—	—"—	—"—	2581	1.1471	मझगाह टोकान	
	—"—	—"—	—"—	2782	6.1340	मझगाह टोकान	
	—"—	—"—	—"—	2797/2	6.0228	मझगाह टोकान	
	—"—	—"—	—"—	2805/2	6.2092	मझगाह टोकान	
	—"—	—"—	—"—	2809/2	6.2233	मझगाह टोकान	
	—"—	—"—	—"—	4152	3.1349	मझगाह टोकान	
	—"—	—"—	—"—	458	2.8174	मझगाह सिंचा टोकान	
	—"—	—"—	—"—	459	1.8218	मझगाह सिंचा टोकान	
	—"—	—"—	—"—	458	0.3336	मझगाह सिंचा टोकान	
		—"—	—"—	457	1.8124	मझगाह सिंचा टोकान	
	—"—	—"—	—"—	170	0.8058	मझगाह सिंचा टोकान	
	—"—	—"—	—"—	8577	0.3134	मझगाह टोकान	
	—"—	—"—	—"—	8567	3.1134	पी पुखरिया मझगाह	
	—"—	—"—	—"—	154	2.2033	पी पुखरिया मझगाह	
				जिला-जो	33.1684		
7	तिलपट	तिलपत	पहाड़ मोटाई डोगाटरी पहाड़	1	1.3609	पी पुखरिया दोगिल	
	—"—	—"—	—"—	2	2.1874	मझगाह टोकान	
	—"—	—"—	—"—	3	0.1340	मझगाह टोकान	
	—"—	—"—	—"—	4/1	0.1333	मझगाह सिंचा टोकान	
	—"—	—"—	—"—	4/2	0.1807	मझगाह टोकान	
	—"—	—"—	—"—	4/3	0.1338	मझगाह टोकान	
	—"—	—"—	—"—	4/4	0.1314	मझगाह टोकान	
	—"—	—"—	—"—	4/5	0.0108	मझगाह टोकान	
	—"—	—"—	—"—	4/6/1	1.0408	मझगाह टोकान	
	—"—	—"—	—"—	5/1	0.0109	पी पुखरिया टोकान	
	—"—	—"—	—"—	4/2	0.0107	मझगाह टोकान	
		—"—	—"—	4/1	0.0178	मझगाह टोकान	
				जिला-जो	6.3186		
8	तिलपट	तिलपत	पहाड़ मोटाई डोगाटरी पहाड़	1	4.3444	पी पुखरिया टोकान	
	—"—	—"—	—"—	72	0.2405	मझगाह टोकान	
	—"—	—"—	—"—	199	0.2958	पी पुखरिया मझगाह	
	—"—	—"—	—"—	396	0.1403	मझगाह सिंचा टोकान	
	—"—	—"—	—"—	3931	0.4373	मझगाह मोटी टोकान	
	—"—	—"—	—"—	3	0.017	मझगाह टोकान	
				जिला-जो	5.3998		
10	तिलपट	तिलपत	पहाड़ मोटाई डोगाटरी पहाड़	2/1	0.0941	पी पुखरिया टोकान	
	—"—	—"—	—"—	3	0.0241	मझगाह सिंचा टोकान	
	—"—	—"—	—"—	4	0.2812	मझगाह टोकान	
	—"—	—"—	—"—	7	0.2134	मझगाह टोकान	

Sub-Division
Shimla (Rural)

	—"—	—"—	—"—	347.3	0.2427	बालिका शिक्षा उपकर	
	—"—	—"—	—"—	143	0.0468	स्वास्थ्य शिक्षा उपकर	
	—"—	—"—	—"—	144	0.2364	स्वास्थ्य शिक्षा उपकर	
	—"—	—"—	—"—	111	3.4023	प्रोफेशन शिक्षा उपकर	
	—"—	—"—	—"—	6821.60	0.4076	प्रोफेशन शिक्षा उपकर	
	—"—	—"—	—"—	6017.401	0.4859	प्रोफेशन शिक्षा उपकरण	
				योग-10	5.2771		
12	विलासपुर	बिलासपुर	स्वास्थ्य स्वच्छता उपकरणों स्वास्थ्य	01	0.6032	गौण पुनर्वितरण प्रयोग	
	—"—	—"—	—"—	4	1.8218	प्रोफेशन उपकर	
	—"—	—"—	—"—	5	3.005	गौण पुनर्वितरण उपकर	
	—"—	—"—	—"—	6	0.0035	कार्यालय हेतु उपकरण	
	—"—	—"—	—"—	8	0.1997	प्रोफेशन उपकर	
	—"—	—"—	—"—	58	0.6024	गौण पुनर्वितरण शिक्षा	
	—"—	—"—	—"—	214	3.1009	गौण पुनर्वितरण शिक्षा	
	—"—	—"—	—"—	218	0.6797	प्रोफेशन शिक्षा	
	—"—	—"—	—"—	5407725	2.0857	प्रोफेशन उपकर	
	—"—	—"—	—"—	3402225	1.7193	प्रोफेशन उपकर	
	—"—	—"—	—"—	272	2.2259	गौण पुनर्वितरण शिक्षा	
				योग-12	75.8453		
13	बिलासपुर	बिलासपुर	स्वास्थ्य शिक्षण उपकरणों उपकर	1	2.2276	गौण पुनर्वितरण शिक्षा	
	—"—	—"—	—"—	4018	1.8424	प्रोफेशन उपकर	
	—"—	—"—	—"—	3410	3.4724	प्रोफेशन शिक्षा	
	—"—	—"—	—"—	6821	0.5087	गौण पुनर्वितरण उपकर	
				योग-13	6.5585		
				कुल विलासपुर डिविजन	138.4487		
	Add Outgoing and National Line for Shivalik Transit to Nalagarh Substation				0.0160		
	Net Total in Bilaspur Division				138.3484		

Date:
Place:

Dy. Chief Engineer
Shivalik Division
Bilaspur

Addl. Superintending Engineer
Shivalik (Rural)

AE (Planning)
Solan

Technician
Solan

HPSEBL

Executive Engineer
Solan

Dy. Chief Engineer

Dr. [illegible], Bhogal

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ATTENDANCE SHEET

JOINT INSPECTION OF SUNNI DAM HEP (Shimla Forest Division)

Diversion of Forest Land under Shimla Forest Division-

Joint Inspection of the forest land *under Shimla Forest Division* proposed to be diverted for the development of **Sunni Dam HEP** in District Shimla (H.P.) has been carried out on **12/09/2019**.

The following Officers have attended the Joint Inspection:

Sr No.	Name & Designation	Department	Mobile No.	Signature
1	DEV PAL Tehsildar Sh.		9816[illegible]3565	
2.	Dhruder Dutt	HPPCL Shim	94184 82356	
3	Sanjeev Dalta DR	Forest Deptt	82788 15452	
4	Govind Sharma Fo		94590 29478	
5	Khushi Ram JE	HPSEBL	82194 24499	
6	Sh. J. D. Verma (RO)	HPSEBL	78072 10704	
7	Er Jagdish Thakur JE	HPSEBL	94180 [illegible]307	
8	Kailash Sonk J.E	HPSEBL Shimla	94184-60234	
9	Vinod Verma	F. Kanungo	98160 60922	
10	Vinod	Forest Guard	98172 78645	
11	Er Ajay Rulaia JE	I & PH.	94513 64477	
12	Bhupinder Kumar	HPSEBL	88195 67[illegible]	
13	Hem Saran	R/o Nagar -	94180 53766	

Dy. D.F.O. Nirgi
Incharge unit of Project
& DFO, SHEP, Shimla

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JOINT INSPECTION REPORT OF SUNNI DAM HEP

For Diversion of Forest Land under Karsog Forest Division

Joint Inspection of the forest land ***under Karsog Forest Division*** proposed to be diverted for the development of **Sunni Dam HEP** in District Shimla (H.P.) was carried out on 21/09/2019.

The user Agency has proposed the Project to be taken up for implementation near Khaira and falls in district Shimla and Mandi of Himachal Pradesh as a run-of-the River project on River Satluj. The project envisages construction of a 471 m (above River Bed) high concrete gravity dam near Khairi, River diversion Tunnel 6642m long on left Bank, intake structure comprising of three (03) no. intakes & three (03) no. of pressure Shafts further bifurcated into six (06). An underground power house on the right bank with 6 Nos. of Francis Turbines has been proposed with installed capacity of 382 MW having Main units of 4 x 73 MW and Auxiliary units of 1x73MW+1x7MW.

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

The total forest land finalized for the project is **397-16-92Ha** & falls on left & right banks of River Satluj in District Shimla and District Mandi under Shimla, Kotgarh and Karsog Forest Divisions. The total land identified shall be utilized for various project components i.e. construction of underground Power House, dam, reservoir, diversion tunnel, job facilities, approach roads, bridge etc.

The construction of Dam, underground Power House, reservoir, approach roads etc. are located under Karsog Forest Division. The land required under ***Karsog Forest Division*** comes out to be **200-43-49 ha** (including 03-19-45 ha. for underground works of Power House Tunnel on notional basis) out of the total 397-16-92 Ha of forest land required for the project (including 03-87-45 ha. for underground works of diversion tunnel & Power House on notional basis).

Mohan Singh, P.K Bagchal, E.P.Sori

Sub-Divisional Officer (D.F.O)
Rampur Forest Division (HP)

Divisional Forest Officer
Karsog Forest Division, Karsog

There is no scope of avoidance of forest land and diversion of 200-43-49 ha (including 83-19-45 ha. for underground works of Power House Tunnel on notional basis) of forest land under *Karong Forest Division* is the barest minimum and cannot be escaped.

The Joint Inspection committee therefore recommends that **200-43-49 ha** (including 83-19-45 ha. for underground works of Power House Tunnel on notional basis) of forest land as per check list No.7 (enclosed as Annexure-I) may be diverted under section 2 of the Forest Conservation Act 1980.

D Mohan Singh.
F.L. Bagchad.
Foh. Karbag.

Divisional Forest Officer
Karong Forest Division

Sub Divisional Officer (Civil)
Karong

Er. R.L. Negi
CGM/Head of Project
SJVN, UEPP Bhaisali

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Full Title of the Project: *Sunak Dam Project (371 MW).*
File No. :
Date of Proposal:
CHECK LIST SERIAL NUMBER:- 07

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

Sr. No	District	Division	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number as Rev. Data	Forest Area proposed for Diversion (Ha)	Legal status of Forest Area	Remarks
1	[illegible]	[illegible]	[illegible]	[illegible]	1.8186	[illegible]	Revised
				[illegible]	1.1219	[illegible]	
				[illegible]	0.3204	[illegible]	
				[illegible]-a	1.1489		
				[illegible]	0.2830	[illegible]	
	—do—	—do—	—do—	[illegible]	0.1430	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0273	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0190	[illegible]	
	—do—	—do—	—do—	[illegible]	0.3221	[illegible]	
	—do—	—do—	—do—	[illegible]	1.8218	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0286	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0318	[illegible]	
				[illegible]-a	11.4188		
			[illegible]	[illegible]	0.3453	[illegible]	
	—do—	—do—	—do—	[illegible]	0.1276	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0135	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0178	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0070	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0170	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0078	[illegible]	
	—do—	—do—	—do—	[illegible]	0.0812	[illegible]	
	—do—	—do—	—do—	[illegible]	1.9317	[illegible]	
				[illegible]-b	3.3847		
				[illegible]-bb	34.7994		
2	[illegible]	[illegible]	[illegible]	[illegible]	2.2353	[illegible]	
	—do—	—do—	—do—	[illegible]	0.4152	[illegible]	
	—do—	—do—	—do—	[illegible]	0.3363	[illegible]	
	—do—	—do—	—do—	[illegible]	0.4207	[illegible]	

Divisional Forest Officer

				४४	०.०१५६	बराबरमा सिंचित हुनेछन्	
				४५	०.०२०४	बराबरमा सिंचित हुनेछन्	
				४६	०.२०७६	बराबरमा हुनेछन्	
				४६/१	०.०२७६	बराबरमा हुनेछन्	
				४७	४.५४१२	पूर्व पुनर्वास सर्वेक्षण	
				४७/१	०.०८५१	पश्चिम पैदलपुल सम्बन्धित	
				४७/२	०.१७८१	पश्चिम पैदलपुल सम्बन्धित	
				४८/१	०.०३२१	बराबर पैदलपुल पैदलपुल	
				५०१	०.२२४१	बराबरमा हुनेछन्	
				५०/०१	०.१५५२	पैदल पुलसँगिन बराबर	
				जिल्ला-५	१६.५३१		
३	नवलपुर	बरगदवा	पहाडे खोला बाग्लुङ्गे सम्बन्ध	५०१	०.०२२४	बराबरमा हुनेछन्	
				५१	०.०१२१	बराबरमा हुनेछन्	
				५१/१	०.०१२६	पूर्व पुनर्वास बाटो	
				५२	०.०१७८	बराबरमा हुनेछन्	
				५२/१	१.४१८१	बराबरमा हुनेछन्	
				५२/१/१	६.२१३	बराबर पैदलपुल पैदलपुल	
				५३/१	९.२११२	पैदल पुलसँगिन बराबर	
				५४/१	०.१०१४	बराबरमा हुनेछन्	
				५४/२	०.०९०१	बराबरमा हुनेछन्	
				५४/३	०.०१५४	बराबरमा हुनेछन्	
				५५/१	३.१२४६	बराबरमा हुनेछन्	
				जिल्ला-१४	१७.५८४१		
४	नवलपुर	बरगदवा	पहाडे खोला बाग्लुङ्गे सम्बन्ध	१९१	६.१७८६	पूर्व पुनर्वास दक्षिण	
				१९१	४.९२३१	पूर्व पुनर्वास दक्षिण	
				१९१/१	३.४१५	बराबरमा हुनेछन्	
				१९१/१	३.१४६१	बराबरमा हुनेछन्	
				१९२/१	३.१८३१	पश्चिम पैदलपुल पैदलपुल	
				१९३/१	३.४९६१	पश्चिम पैदलपुल पैदलपुल	
				१९४/१/१	१.४१५	बराबरमा हुनेछन्	
				जिल्ला-१४	१३.३१५		
५	नवलपुर	बरगदवा	पहाडे खोला बाग्लुङ्गे सम्बन्ध	१९१	६.१६८	पूर्व पुनर्वास दक्षिण	
				१९२	३.१०५	पूर्व पुनर्वास दक्षिण	
				१९२/१	२.०३५	पूर्व पुनर्वास पश्चिम	
				१९४१	१.४१८	बराबरमा हुनेछन्	
				१९४/१	३.१४६	बराबरमा हुनेछन्	
				१९४/१/१	३.१४६	बराबरमा हुनेछन्	
				१९४/१/२	३.१४६	बराबरमा हुनेछन्	
				१९४/१/३	३.१४६	बराबरमा हुनेछन्	
				१९४/१/४	३.१४६	बराबरमा हुनेछन्	

Site Development Committee
Bhairahawa Sub-Metropolitan City

				[illegible]	0.1803	[illegible]	
				[illegible]	0.0534	[illegible]	
				[illegible]	0.0239	[illegible]	
				172	0.0539	[illegible]	
				134	0.1372	[illegible]	
				138	0.0155	[illegible]	
				[illegible]	0.1062	[illegible]	
				[illegible]	0.0782	[illegible]	
				[illegible]	0.0429	[illegible]	
				[illegible]	16.3983		
1	[illegible]	[illegible]	[illegible]	780	2.3745	[illegible]	
				79	1.5417	[illegible]	
				201	0.4531	[illegible]	
				[illegible]	4.4713		
2	[illegible]	[illegible]	[illegible]	[illegible]	1.2954	[illegible]	
				[illegible]	1.1842	[illegible]	
				[illegible]	1.4452	[illegible]	
				784	1.8421	[illegible]	
				2325	2.1711	[illegible]	
				327	0.0418	[illegible]	
				336	0.3207	[illegible]	
				118	0.0831	[illegible]	
				[illegible]	0.0880	[illegible]	
				[illegible]	0.2434	[illegible]	
				[illegible]	2.6102	[illegible]	
				[illegible]	1.4713	[illegible]	
				[illegible]	2.1851	[illegible]	
				2083	0.4384	[illegible]	
				2383	0.7358	[illegible]	
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				[illegible]	0.1891	[illegible]	
				[illegible]	0.3792	[illegible]	
				2322	0.2514	[illegible]	
				28	0.0971	[illegible]	
				[illegible]	0.0181	[illegible]	
				[illegible]	17.6438		
3	[illegible]	[illegible]	[illegible]	1301	0.3084	[illegible]	
				131	0.0718	[illegible]	
				136	0.1582	[illegible]	
				148	0.2463	[illegible]	

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				0.0033	2.2236	बागायत हजारी	
				2749	1.3313	बागायत हजारी	
				371	0.2469	पैरा पुनर्वसित दगेड	
				313	0.2774	पैरा पुनर्वसित दगेड	
				914	0.5149	पैरा पुनर्वसित दगेड	
				914	0.0536	पैरा पुनर्वसित दगेड	
				459	0.0278	बागायत हजारी	
				454	0.0014	पैरा पुनर्वसित पडीत	
				458	0.0172	पैरा पुनर्वसित पडीत	
				0.0.0.0.0.0	0.0049	बागायत हजारी	
				4567	2.3879	बागायत हजारी	
				111	0.1736	पैरा पुनर्वसित जमीन	
				1837	0.1484	बागायत हजारी	
				2.2.2.2.2	0.2148	बागायत हजारी	
				2287	0.1356	पैरा पुनर्वसित जमीन	
				215	0.0049	पैरा पुनर्वसित पैरेज	
				218	0.0025	पैरा पुनर्वसित जमीन कायमची वहाळ साठी	
				217	0.0071	पैरा पुनर्वसित जमीन कायमची वहाळ साठी	
				219	0.1.35	बागायत हजारी	
				0.0.0.0.0.0	10.2873		
				697	1.2564	पैरा पुनर्वसित दगेड	
				697	1.0030	बागायत हजारी	
				674	0.1258	बागायत हजारी	
				1871	0.2554	बागायत जिरायत हजारी	
				1.2.2.2.2	0.2.2.2	बागायत हजारी	
				2.2.2	1.5063	बागायत हजारी	
				2.2.2.2.2	0.2.2.2

	----	----	----	259/2/1	0.5152	----	
	----	----	----	282	0.0308	----	
	----	----	----	259/2/1	0.2384	----	
				जिला-बड़	38.6478		
19	सरकारी	अतिक्रमित	पहाड़ी पर्वत जलाशयों सहित	345/1	0.4528	----	
	----	----	----	345/1	0.0141	----	
	----	----	----	347	1.0365	----	
	----	----	----	जिलाधीन	2.1384		
11	सरकारी	अतिक्रमित	खाली कृषक जलाशयों सहित	419/1	0.0011	----	
	----	----	----	345/1	2.1369	----	
	----	----	----	259/2/1	0.1731	----	
	----	----	----	1049	0.1458	----	
	----	----	----	1049/1/1	0.0530	----	
				जिला-बड़	3.1549		
				कुल अतिक्रमित कृषि जलाशयों सहित	197.2484		
	Net Underground/Inland Water Area for Power/Firms Taxed in District Bilaspur				3.1549		
	Net Total in Karsog Division				380.4769		

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

Divisional Forest Officer,
Forest Division, Karsog
Distt. Mandi (H.P.)

Sub-Divisional Officer (Civil)
Karsog Distt. Mandi (HP)

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ATTENDANCE SHEET

JOINT INSPECTION OF SUNNI DAM HEP (Karsog Forest Division)

Diversion of Forest Land under Karsog Forest Division

Joint Inspection of the forest land *under Karsog Forest Division* proposed to be diverted for the development of **Sunni Dam HEP** in District Mandi (H.P.) has been carried out on **21/09/2019**.

The following Officers have attended the Joint Inspection:

Sr. No.	Name & Designation	Department	Mobile No.	Signature
1	SDM, Karsog	Revenue	9968[illegible]750	
2	Gurdeep Lal, R.F. Karsog	Forest Deptt.	982 56357	
3	Hira Lal, RFO, Karsog	-do-	9[illegible]52	
4	Dharmlal, Forest Guard	-do-	9[illegible]2	
5	[illegible]	-do-	9[illegible]	
6	[illegible]	-do-	9[illegible]233	
7	[illegible]	-do-	9[illegible]276	
8	Mohan Singh, [illegible]	Revenue	9[illegible]9	
9	Kishori Lal, [illegible]	Revenue	9[illegible]81	
10	Mast Dhanda, [illegible]	-do-	9[illegible]757	
11	Meera Sharma, Advt.	Wildlife Warden	82195 50240	

Dr. R.P. Nagi
Comptroller of Project
[illegible], Sirthal

[illegible]
24.9.19

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529

Undertaking

It is certified that bio-engineering measures alongwith the construction of retining wall and R/wall will be constructed around dam reservoir, tail race channel power house by the user agency from their own expenditure for avoiding the soil erosion / landslides as per the site specifications.

Er. R[illegible]
CGM/Head of Project
SJVN, LHEP, Bir[illegible]

Divisional Forest Officer
Kurag Forest Division, H.P

530

Himachal Pradesh
Public Works Department

No.SE-IV-E-NOC/17-1944-99 Dated- 23/11/2018

To

The Chief Manager (Env.),
Sunni Dam Project, SJVNL Ltd. Bithal,
Vill. Rewalli P.O. Shanashi Tehsil Kumarsain,
Distt. Shimla, H.P. 172030

Subject:- No objection certificate for Sunni Dam Project (93 MW).

Reference:- Your office letter No. SJVN/Sunni Dam/Env/WCA-Vol-I/2017-955-957 dated 19.09.2017 and No. 1894-96 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 Dhami HPPWD, Dhami vide his letter No.PW-SRDD-WA-NOC/2018-2019/2-64 dated 01.01.2018. The site was also inspected by the undersigned along-with Sh. Pradeep Rawat 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 Jabog Sub-Division under Shimla Rural Division Dhami). 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 93 mtr. High concrete gravity dam with FRL of 717 mtr. at Khaira over Satluj basin having a Reservoir length of 18.09 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 maintained by this department like roads, bridges and their approach roads along-with pedestrian rope ways (Jhoolas) over Satluj as well as proposed suspension/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 footable standard at village Pandoa over Satluj River of 90.00 mts 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 717 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 Jasu, Dhatura, Ugh Pandoa and Jhanglun. The shifting of these utilities/structures shall involve more span, more cost which shall also have to be shifted.

Er. [illegible] Negi
Head of Project
SJVNL, [illegible]

Er. [illegible] Negi
Head of Project
SJVNL, [illegible]

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The SJVN Ltd. Shall remain liable for their alternate replacement/shift at the 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 securing where seepage is loose and sandy which may result in the collapse of existing road infrastructure and may cause huge inconvenience to the public. Such event has recently been seen during the operational stage of Kol Dam project where the increased reservoir level has damaged the existing Shimla Mandi road near Tattapani. The SJVN Ltd shall remain liable for its prompt restoration to its original condition including alternate routes where required and bear the cost of reconstruction/restoration on the basis of the estimate to be furnished by PWD.

3. That all debris/Muck shall have to be disposed off at approved dumping sites and no debris/muck 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. That NOC pertains to the area falling under the jurisdiction of this Circle. The NOC of the area falling under different Circle/ Division of HPPWD 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, HPPWD, 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), HPPWD., Shimla 2 for information please.
Copy to Executive Engineer, Shimla Rural Division Dhami HPPWD., Dhami for information w.r.t his letter No. PW-SRDD-WA-NOC/2016-20/62-64 dated 01.01.2018.

Superintending Engineer,
4th Circle, HPPWD, Shimla.

Er. R. L. Negi
Head of Project
SJVNL CHEP Dhami

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582

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

Dated 21/8/18

Ex. R.E. Nagar
Head of Project

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HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

Telephone No: (0792) 240719
e-mail:-ee-kinn-hp@nic.in

NO:-PW:KNR:SW:A:NOC/2018- 53 94 - 96 Dated:- 21/8/2018

To

The Superintending Engineer
11th Circle, HPPWD,
Kanpur Bet

Subject:- Regarding issuance of NOC for Nouni Dam Projects (355 MW).

Reference:- Your office endorsement No. PW/SE/XI/WS/NOC-16/MS/2018-2017-18 dated 17.05.2018.

The NOC case for the subject cited project is received vide your office letter under reference is returned herewith after attending the following observations for taking further necessary action please.

1. The land plan etc shall show the FRL of the project and the plan of private land acquisition/diversion of forest land. The FRL of the project reservoir is at EL 712.00 Mtrs and land acquisition/diversion is upto EL 715.00 Mtrs, whereas the lowest point of the PWD road in question is above EL 715.33 Mtrs in all places.
2. The layout of level of the road has been marked on the contour site plan attached.
3. Since the road is not involved in the above project, therefore, the same has not been marked separately in the contour plan. However, the same has now been marked with distinct colour.
4. The application of Deputy Commissioner regarding request for NOC is/are attached.
5. The typical cross sections of the road showing the road formation level has been attached.
6. Since the PWD road is not involved in the above project. Therefore, the area of land with Khasra No is not required.
7. The undertaking from the above department is required.

It is also requested that the Shorter Tattapani Soni Lari road has been declared N.H.(0) paragraph 4 hence the NOC from the N.H authority may also be sought. The SJVN has also been directed to procure the NOC from N.H authority. The FRL level of the project reservoir is at EL 712.00 Mtrs and land Acquisition/Diversion of upto EL 715.00 Mtrs. Whereas the lowest point of the PWD road is above 715.33 Mtrs. Therefore, it seems that the PWD road in question does fall in the area of Land Acquisition process. The SJVN Ltd. has given

Er. R. [illegible]
Chief Engineer
S.E.(W) CHEF (Retired)

undertaking thereby. Receipt of the PWD road cutting will be received by them at their own cost and if required the SJVN will deposit the amount with this department for the restoration of PWD road coming in the alignment of proposed Diesel House the NOC case is hereby recommended for approval on the basis of the undertaking given by the SJVN Ltd please.

Encl:- NOC Case file.

Yours faithfully,

Executive Engineer,
Karcham Division,
HPPWD, Kaurik/O

Copy to the Assistant Engineer Rarang Sub-Division HPPWD, Rampur w.r.t his/her No. PW/RSD-8(C)/2018-646-47 dated 10.08.2018.

Copy to the AGM (C&B) S&I (HEP Bidal, Distt Shimla H.P. w.r.to his letter No SJVN/LHP/S&I/8-4/2018-548 dated 1.07.2018 for information.

Executive Engineer
Karcham Division
HPPWD, Kaurik/O

Er. R. L. Negi
Head of Project
SJVN, HPP, Shimla

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585

No. WL (Misc.)-60/[illegible]/Vol-III/ 5819
Himachal Pradesh Forest Department

From:

Principal Chief Conservator of Forests,
(Wildlife)-cum-Chief Wildlife Warden,
Himachal Pradesh, Shimla-171001

To

The Dy. General Manager (Env.),
Sawra Dam Project,
SJVN Ltd., Rohal
Vill. Rewadi, P.O. Shrinagla,
Teh. Kumarsain, Distt. Shimla,
(H.P.)- 172030

Dated Shimla-171001, the 06-01-2018

Subject: NOC for Sawra Dam Project.

Sir,

Kindly refer to your office letter No.SJVN/Sawra Dam/Env/FCA-Vol-I/2017-2486 dated 08.09.2017 and No.SJVN/SDHEP/Env./FCA/2017-1003 dated 22.11.2017 on the subject cited above.

2 As per field report and the recommendation of CCF (WL) Shimla, the area proposed for setting up the project does not fall within the boundary of Manalsu Wildlife Sanctuary and is located at a distance of 15.5 km from the boundary of Majathal Wildlife Sanctuary. Hence necessary "No Objection Certificate" (NOC) from the Wildlife point of view is hereby issued in your favour for the construction of Sawra Dam Project (372 MW).

Yours faithfully,

28/12/2018
Principal Chief Conservator of Forests,
(Wildlife)-cum-CWLW, HP, Shimla

Endst. No. WL (Misc.)-60/[illegible]/Vol-III/ Dated

Copy to CCF WL Circle (S) Shimla w.r.t. his Memo. No. M-[illegible]
dated 28.12.2018 for information please.

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

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No. Bhasani-1/2015-Pura Vividh/ 596
Department of Language & Culture, HP
Sanskriti Bhawan, B-39, SDA Complex,
Kasumpti- Shimla-171009

To

The Asstt. General Manager,
Luhri Hydroelectric Project,
Bithal, P.O. Shamathla, Tehsil Kumarsain,
District Shimla-172030

Subject: **Issuance of NOC**

Sir,

Kindly refer to your letter no. SJVN/LHEP/HR/NOC-Surani HEP/17-2538 dated 27-10-2017 on the subject cited above. The site was inspected with your engineers on 30-12-2017. The desired *No Objection Certificate* regarding heritage property in Surani Hydro Electric Project site area is enclosed herewith.

Enclosed:-As above- NOC- 1 page

Yours faithfully,

(C. L. Kashyap)
Archaeological Engineer
Phone:0177-2626614-234
Email: kashyapcl@gmail.com

Er. R. L. Negi
Head of Project
SJVN Limited

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NO OBJECTION CERTIFICATE

A reference has come to this office from Satluj Jal Vidut Nigam Limited (SJVNL) vide their letter no. SJVN/UHEP/HR/NOC-Sunni HEP/17-2538 dated 26-10-2017, that the Nigam has assigned the construction of Sunni Hydro Electric Project on River Satluj by the H.P. Govt. The Project Site (Dam, Reservoir & Power House) touches Mandi District on right bank & Shimla on left bank of River Satluj. A stretch of 17 Kilometers along with River Satluj has been inspected on 30-12-2017 from Patakhara to Khaira Village.

The sites shown to archaeological team are as under:

1) Tail end of reservoir Site at Patakhara Village.
2) Pandoi, Dagli, Padog, Talah, Bharada Villages along the River Satluj.
3) Dam Site at village Khaira.

During inspection it is found that there is no monument of archaeological importance or remains of past in the above shown sites. During the construction of project, if any buried remains, revealed, the same should be brought to the knowledge of this department immediately, for the re-assessment of site. In case of violation of this condition, at any stage, this NO OBJECTION CERTIFICATE shall stand cancelled.

Dated: 18-01-2018
Place: Shimla

Archaeological Engineer
Language & Culture Department
Himachal Pradesh, Shimla-171 009

Archaeological Engineer
Language & Culture Deptt.
H.P. Shimla-171009

Director
Language & Culture Department
Himachal Pradesh Shimla-171 009
Director Language & Culture
Himachal Pradesh Shimla

Dr. R.K. Negi
Head of Project
SJVN Ltd. Sunni

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Annexure 1.1

SALIENT FEATURES OF SUNNI DAM HEP (382MW)

1.0 Location	
State	Himachal Pradesh
District	Shimla & Mandi
River	Sutlej
Nearest Village (Dam Site)	Khaira
Rail Head	Kalka (Haryana) 155km
Latitude of Dam Site	31°14'57"N
Longitude of Dam site	77°12'39"E
2.0 Hydrology	
Catchment Area at Diversion Site	52953 km^2
90% dependable year	2001-2002
Flood discharge for river diversion	773.00 m^3/sec
Probable Maximum Flood (PMF)	15473.00 m^3/sec
3.0 Reservoir	
Full Reservoir Level (FRL)	EL 712.00 m
Minimum Draw Down Level (MDDL)	EL 709.50 m
Gross Storage at FRL	82.5 X 10^6 m^3
Live Storage at FRL	7.9 X 10^6 m^3
Length of Reservoir	20.70 Km
Desilting Basin	Reservoir will act as Desilting basin
4.0 Dam	
Type of Dam	Concrete Gravity
Top of the Dam	EL 715.00 m
Average River Bed Level at Dam Site	EL 644.00 m
Dam Height above River bed	71.00m

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Length of Dam at Top	1138.00 m
Top Width of Dam	8.00 m
5.0 Spillway	
Design Flood (PMF)	1547.00 m³/sec
Type of Spillway	Combination of Upper Level Spillway (ULS) and Low Level Spillway(LLS) (Sluice spillway)
Energy Dissipation System	Stilling Basin
Low Level Spillway(LLS)(Under sluice Spillway)	
Type	Sluice type
No. of Bays	Six (06) (Block No 3 to 8)
Size of opening	8.5 m (W) X 16.0m (H)
Type & No. of gate	Radial, Six (06)
Width of each block	14.5 m
Total length of LLS Blocks	87.00m
Crest Level	EL 660.00 m
Upper Level Spillway (ULS) (Overflow Spillway)	
Type	Ogee with open crest overflow
No of Bays	One (01) (Block No. 9)
Size	5.0 m (W) X 4.5 m (H)
Type and No of gates	Flap Gate, One (01)
6.0 River Diversion	
River Diversion Discharge (1 in 25 years)	773.00 m³/sec
Diversion Scheme	Through Diversion Tunnel (DT) and coffer dam
Location of Diversion Tunnel	Left Bank
No. of Tunnel	One (01)
Diameter and shape of DT	10.0 m, Horse Shoe Shape
Length of Tunnel	842.208 m

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7.0 Power Intake	
Number of Intake	Three (03)
Invert level	El. 685.0
Discharge Capacity of Intake 1 and 2 (for Main Units)	277.84 m^3/sec each
Discharge Capacity of Intake 3 (for Environment Units)	171.23 m^3/sec

8.0 Pressure Shaft	
Number of Pressure Shaft	Three (03) Further bifurcated into six (06)
Design Discharge for Pressure Shaft-1 and 2 (for Main units)	277.84 m^3/sec each
Design Discharge for Pressure Shaft-3 (for Environment units)	171.23 m^3/sec

9.0 Power House	
Type	Underground
Location	Right Bank
Normal Tail Water Level	El. 651.20 m
Maximum Tail Water Level	EL 647.30 m
Gross Head	59.97 m
Rated Head	57.85 m
Size of Power House Cavern	171m (L) X 22.5m (W) X 51.5m (W)
Size of Transformer Hall Cavern	175m (L) X 18.70m (W) X 27m (W)
Turbine Type	Francis
No of Unit	Six (06)
Design Discharge for Main Plant	455.68 m^3/sec
Design Discharge for Auxiliary Plant	171.23 m^3/sec
Installed Capacity for main units	4*73 MW
Installed Capacity for environment units	1*73MW + 1*17MW
Total Installed Capacity	382 MW

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10.0 Tail Race Tunnel	
Number	Two (02)
Size & Shape of Tunnel	10.5 m dia and 9.0 m dia Horse Shoe Shaped
Length	288 m & 208 m
11.0 Power Generation	
Design Energy	1381.77 GWh (982.84 GWh: Main Plant + 393.93 GWh: Auxiliary Plant)
12.0 Estimated Cost	
Total Hard Cost at June'19 Price Level	Rs. 2146.61 Crore
Interest During Construction	Rs. 406.15 Crore
Financial Charges	Rs. 8.95 Crore
Total Project Cost	**Rs. 2555.71 Crore**
13.0 Financial Aspects	
1st year tariff at Power House bus bars (including IDC) during 90% dependable year as per CERC guidelines	Rs. 4.53/kWh
Levelised tariff at Power House bus bars (including IDC) during 90% dependable year as per CERC guidelines	Rs. 4.16/kWh
14.0 Construction Period	
Total construction period	4 years, 7 months

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592

No.NPP(H)3(8)-2011
Government of Himachal Pradesh
Department of MPP & Power

From

The Pr. Secretary(MPP & Power) to the
Government of Himachal Pradesh, Shimla-2.

To

The AGM(HR), SJVN Ltd.,
Luhri HEP, Bilaspur,
P.O. Shanakhla, Tah. Rampur,
Distt. Shimla-172630

Dated Shimla-2, the 28-12-2018

Subject: Issuance of NOC.

Sir,

I am directed to refer to your letter No. SJVN/LHP/HR/NOC Stamp Duty/2802(A) dated 18.11.2017 on the subject cited above and to say that vide letter No.THDF(4-1)/2017-Hydro dated 13.3.2018, Deputy Secretary(Tax) to the GoHP has intimated that Stamp Duty, including all its components, do not fall to the GoHP's share. A copy of this letter is enclosed. For information and necessary

[illegible]

Yours faithfully,

(Dr. Ajay Sharma)
Special Secretary (Power) to the
Government of Himachal Pradesh
Phone No. 2624509

Er. R. L. Negi
Head of Project
SJVN Ltd. Luhri

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593

No. UD(F)-1(2017-Loose
Government of Himachal Pradesh
Tribal Development Department.

14-03-18

From

Pr. Secretary(TD) to the
Government of Himachal Pradesh.

To

The Special Secretary (Power) to the
Government of Himachal Pradesh.

Dated Shimla-2, 13 March 2018.

Subject:- Issuance of N.O.C.

Sir,

I am directed to refer to your letter No. MPP(H)B(2A)20/16, dated 1-6-2016 on the subject cited above and to say that the H.P Transfer of Land (Regulation) Act, 1968 regulates the transfer of land in the interest of persons belonging to the Scheduled Tribes and for matters connected therewith. The Sainj Dam, Hydro Electric Project including its all components being constructed by SJVNL do not fall in the tribal area, therefore, the H.P. Transfer of Land (Regulation) Act, 1968 does not apply in this case.

Yours faithfully,

Deputy Secretary (TD) to the
Government of Himachal Pradesh.

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594

Gmail

Environment Department Lahul NEP <email>

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

1 message

monitoring.fc@nic.in <monitoring-fc@gov.in>
To: environmentlahulnep@gmail.com
Cc: deobbsng.fc@nic.in

Wed, Sep 6, 2018 at 4:10 PM

A proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980, as per the details given below, has been examined by the Nodal Officer, Forest (Conservation) Act, 1980, Government of Himachal Pradesh and has been found to be complete in all respect.

1. Proposal No.	: FP/HP/HYD/31885/2017
2. Proposal Name	: Surin Dam Project
3. Category of the Proposal	: Hydel
4. Date of Submission	: 27/12/2017

5. Name of the Applicant with Contact Details

Name	: R
Mobile No.	: 9805316969
State	: Himachal Pradesh
District	: Shimla
Pincode	: 172030

6. Area Applied (in ha.) : 309.508

Please provide duly signed hard copy of the above proposal along with all necessary enclosures to the office of the each concerned Divisional Forest Officer and the District Collector and receive a copy of the acknowledgment slip (single page) as per the format given below, obtained from each of the above authorities, for portal of this Ministry for further processing of the above proposal.

(System Administrator)

Acknowledgement Slip

This is to certify that hard copy of the proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980, as per details given below, along with all necessary enclosures has been received in the Office of the Forest at Pradesh on 27/12/2017.

1. Proposal No.	: FP/HP/HYD/31885/2017
2. Proposal Name	: Surin Dam Project
3. Category of the Proposal	: Hydel
4. Date of Submission	: 27/12/2017

5. Name of the User Agency with Contact Details

Name : R

Er. R.L. Negi
Head of Project
Surin Dam Project

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595

Subject: Grant-in-aid Farm Scales, Alternate Mix of Cereal Substitute and Fortification of Essential Commodities Programme(CSFC) (T) scheme

Mobile No.	9857650705
State	Himachal Pradesh
District	Shimla
Pincode	172030
6. Area Applied (ha.)	300.000

(Signature Administrator)

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

Er. R. L. Negi
Regional Director
H.P. UCF, Solhal

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Short narrative of the proposal and project/scheme for which the forest land is required

Sawni Dam Hydro Electric Project is a run of the river type development proposal to harness the hydel potential of river Sutlej. The project envisages construction of a concrete gravity dam of ±95 m high above deepest foundation level across river Sutlej near Khaira village and underground power house on the right bank.

A ±95 m high, concrete gravity dam from deepest foundation level ±623m, with integral 5 nos. gated spillways having size of 8.5m (W) X 13.0m (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** (5 x 67.4 MW – Main Units, 1 x 67.4 MW + 1 x 18 MW- Environmental Units). The power house cavern is proposed ±20cm inside the hill with a top cover of + 200m.

The project is estimated to cost **2558.73** Cr. including IDC and financing charges in 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 4.33₹/kWh, Levelized 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 *(359.3484 ha in Shimla Forest Division: 358.6684 ha open surface area+0.680Ha underground/National area) + 37.5859 ha. in Kotgarh Forest Division = **200.4349 ha** (197.2404 open surface area+3.1945ha underground/National area) in Karsog Forest Division)* in various Khasra Nos. as per check List-07 showing details of forest land proposed for diversion, is required for establishment of Sawni Dam HEP located in Northern Power region.

Dy. HOF Mtg.
Divisional Officer
Forest, UHBP, Bilaspur

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कार्यालय ग्राम पंचायत

विकास खण्ड ..., तहसील ..., जिला ... (U.P.)

आज दिनांक ... को ग्राम सभा/ग्राम पंचायत ... की साधिका/विशेष बैठक योगिनी/ग्राम प्रधान श्री/श्रीमति ... की की अध्यक्षता में में सम्पन्न हुई । उपस्थिति ... रही तथा निम्न कार्यसाधी सभा में पाई गई ।

प्रस्ताव सं. ...

दिनांक ...

प्रतिलिपि

...

(1) ...

(2) ...

(3) ...

(4) ...

Er. R. L. Negi
Head of Project
SLVR UNEP Ganga

...

PMU UNEP (GEF)
Room No. 6.37

कार्यालय ग्राम पंचायत करयाली

विकास खण्ड बसन्तपुर, तह० सुन्नी, जिला शिमला (हि.प्र.)

प्रस्ताव संख्यांक 25.09.2017 को ग्राम सभा/ग्राम पंचायत करयाली की मासिक/विशेष बैठक प्रधान/उप-प्रधान श्री/श्रीमती अनीता शांडिल जी की अध्यक्षता में सम्पन्न हुई। उपस्थिति 7 सदस्य रही जिस निम्न कार्यवाही अमल में लाई गई।

प्रस्ताव नं. 9

प्रतिलिपि

दिनांक 27.09.2017

विषय :- सार्वजनिक जल विद्युतीकरण को सहमति प्रदान करने बारे :-

मैसर्ज ई उदयोगल्स सिमला पॉवर डिवाईड के द्वारा प्रस्तावित किया गया कि ग्राम पंचायत करयाली के वार्ड नं 6 चौड़ी में सार्वजनिक जल विद्युतीकरण हेतु कॉमर्शियल कनैक्शन दिए जाने है जिस हेतु ग्राम पंचायत द्वारा सम्बन्धित ग्राम वासियों से सिफारिश लेकर विभाग के उपरान्त निर्धारित करने के उपरान्त पत्र प्रदान किया जाना है।

1). प्रस्तावित कॉमर्शियल कनैक्शन से अतिरिक्त सुरक्षा जल विद्युतीकरण संबंधी कार्यवाही।

2. प्रस्तावित जल विद्युतीकरण के अन्तर्गत कोई भी अन्य पेयजल स्त्रोत प्रभावित होने का न होने सिरे से कार्यवाही करवाना।

3. प्रस्तावित अन्य लाभार्थियों को अलग से सहमति पत्र अनुलग्नक प्रदान करना।

4 C.O.D की औपचारिकता ग्राम पंचायत कार्यालय में पूर्ण करवाना। (जैसी व जबाड़)

5 प्रस्तावित विद्युतीकरण का लाभ ग्राम वासियों को सुचारू रूप से मिलता रहे।

सहमति पत्र विद्युतीकरण शर्तों के अनुसार पंचायत द्वारा प्रदान किया जाता है।

Er. N. Dwivedi
Head of Project
SJVN Ltd., Shimla

(सचिव)

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कार्यालय ग्राम पंचायत बनाहर

विकास खण्ड नाराकण्डा तहसील कुमारसैन जिला शिमला

पंचायती राज विभाग

परिशिष्टि कार्यालयी पैराक ग्राम सभा बनाहर जो दिनांक 25/11/2019 को पंचम/उपप्रधान श्री/श्री मुख राम वर्मा की अध्यक्षता में सरकारी की उपस्थिति में आयोजित हुई। बैठक की कार्यवृत्ति का है।

प्रेषक :- दिनांक 25/11/2019

विषय :- ग्राम पंचायत बनाहर के अन्तर्गत सरकारी भूमि पर बनाखरी नाराकण्ड क्षेत्र में सुन्नी ढैम जल विद्युत परियोजना के लगने के बारे विचार :-

बैठक में सर्व सहमति से प्रस्ताव पारित किया गया है कि ग्राम पंचायत बनाहर के अन्तर्गत सरकारी भूमि पर बनाखरी नाराकण्ड क्षेत्र में सुन्नी ढैम जल विद्युत परियोजना के तहत ढैम बनाया जाएगा है इस विषय में ग्राम पंचायत की बैठक में चर्चा की गई। चर्चा के उपरान्त निर्णय लिया गया कि उक्त परियोजना के अन्तर्गत इस क्षेत्र में ढैम बनाया जाने से इस क्षेत्र का विकास होगा।

अतः ग्राम पंचायत बनाहर के अन्तर्गत सरकारी भूमि पर बनाखरी नाराकण्ड क्षेत्र में सुन्नी ढैम जल विद्युत परियोजना के लिए लगने में कोई भी आपत्ति नहीं है। ढैम बनाना उचित है ताकि क्षेत्र का आगे विकास हो।

परिशिष्ट :-

(1) परियोजना प्रमुख सुन्नी जल विद्युत परियोजना ,नाराकण्डा/Coordinator विकास क्षेत्र के अन्तर्गत बनाखरी क्षेत्र, शिमला

बनाखरी क्षेत्र में ढैम बनाने के लिए सहमति है।

Er. N.L. Negi
Head of Project
S.J.V.N. Ltd. P. Sthal

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कार्यवाही पत्रक

ग्राम पंचायत ..... विकास खण्ड .....

आज दिनांक ..... को ग्राम पंचायत/ ग्राम सभा ..... के लिए
आयोजित/ ग्राम सभा की/ बैठक में ..... सदस्य, जो
कार्यवाही आरम्भ में पाई गई उपस्थिति ..... रहे।

प्रस्ताव संख्या :- 2 ..... के लिए
..... प्रस्ताव :-

Er. R. L. Negi
Head of Project
SJVN Ltd.(P. Power)

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कार्यालय ग्राम पंचायत .....

विकास खण्ड करसोग, तहसील करसोग, जिला मण्डी (हि.प्र.)

खाद विवरण ..... को ग्राम पंचायत ..... की

मासिक/तिमाही बैठक अध्यक्ष/उप प्रधान श्री/श्रीमती ..... की

अध्यक्षता में आयोजित हुई। उपस्थिति ..... सदस्यों तथा निम्न कर्मचारी आदि ने भाग लिया।

प्रस्ताव नं. ..... दिनांक .....

प्रतिलिपि

विषय:- झुन्नी गांव तक विद्युत परियोजना स्थापित करने हेतु सहमति पत्र जारी करने बारे।

सचिव महोदय ने बैठक में उपस्थित सभी सदस्यों को झुन्नी गांव तक विद्युत परियोजना (1MW से लेकर 5MW) के संबंध में बताया कि झुन्नी गांव में पीने के पानी की समस्या है। इस परियोजना के स्थापित होने से गांव में पीने के पानी की समस्या का समाधान हो जाएगा। इसके अतिरिक्त गांव में सड़क, स्ट्रीट लाईट, पंखे, टी.वी. आदि की सुविधा भी उपलब्ध हो जाएगी। इस परियोजना के स्थापित होने से गांव के लोगों को रोजगार के अवसर भी उपलब्ध होंगे। इस परियोजना के स्थापित होने से गांव के विकास को बढ़ावा मिलेगा। इस परियोजना के स्थापित होने से गांव के लोगों को रोजगार के अवसर भी उपलब्ध होंगे। इस परियोजना के स्थापित होने से गांव के विकास को बढ़ावा मिलेगा।

प्रस्ताव किया जाता है कि सर्वसम्मति से पारित किया जाता है।

Er. R. L. Negi
Head of Project
SJVNL Ltd., Shimla

हस्ताक्षर .....

विनांक .....

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विषय: खण्ड ... तहसील ... जिला मण्डी (हिमाचल प्रदेश)

आज दिनांक ... को निम्नलिखित सरपंच संख्या ... की ग्राम पंचायत की ... के ... में ... । पंचायती ... को अपराह्न ... बजे, जिसमें निम्नलिखित कार्यवाही अमल में लाई गई ।

संकल्प संख्या ...

विषयवस्तु :-

Dr. R. D. Negi
Head of Project
S.V.N. Unit, Sirthai

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कार्यालय ग्रांम पंचायत चेबड़ी

डाकघर रोपड़, विकासखंड मोरिन्दा, तहसील चुन्नी, जिला रोपड़ (हि. प्र.)
Email :- chebri.panchayat@gmail.com Phone No. 0177-2760899

आज दिनांक 06-05-2017, को शाम समय / ग्राम पंचायत चेबड़ी की पंचायतघर/उपप्रधान श्री पेमी लाल पुत्र की अध्यक्षता में सम्पन्न हुई। जनसंख्या 777 सही तथा निम्न कार्यवाही अमल में लाई गई।

प्रस्ताव नं. 04 दिनांक 06-05-2017

चुन्नी खास जल विद्युत परियोजना स्थापित करने हेतु ग्राम पंचायत चेबड़ी द्वारा सहमति पत्र जारी करने बारे :-

पंचायत की वार्षिक बैठक में उपस्थित अनुमति अनुसार फार्वर्ड प्रस्ताव रखी हुई रखा गया और बताया गया कि ग्राम पंचायत चेबड़ी के गति क्षेत्र में सतलुज जल विद्युत निगम द्वारा चुन्नी खास जलविद्युत परियोजना प्रस्तावित है। खास बनाने के लिए ग्राम पंचायत चेबड़ी अपनी सहमति प्रदान करती है।

अतः बैठक में पंचायत द्वारा सर्व सम्मति से निर्णय लिया गया कि उक्त परियोजना के लिए ग्राम पंचायत चेबड़ी सहमति प्रदान करती है। निगम से ग्राम पंचायत चेबड़ी आशा करती है कि परियोजना के स्थानीय लोगों को उचित रोजगार और ठेका कार्य आदि प्राथमिकता के आधार पर प्रदान किए जाएंगे। पंचायत क्षेत्र में पेयजल सिंचाई सड़कों के उचित प्रबन्धन के लिए ग्राम पंचायत चेबड़ी सहमति प्रदान करती है। निगम से ग्राम पंचायत चेबड़ी आशा करती है कि उक्त परियोजना के लिए ग्राम पंचायत चेबड़ी सहमति प्रदान करती है। निगम से ग्राम पंचायत चेबड़ी आशा करती है कि परियोजना के स्थानीय लोगों को उचित रोजगार और ठेका कार्य आदि प्राथमिकता के आधार पर प्रदान किए जाएंगे। पंचायत क्षेत्र में पेयजल सिंचाई सड़कों के उचित प्रबन्धन के लिए ग्राम पंचायत चेबड़ी सहमति प्रदान करती है। निगम से ग्राम पंचायत चेबड़ी आशा करती है कि परियोजना के स्थानी

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कार्यालय ग्राम पंचायत .....

विकास खण्ड .....

जनपद .....

ग्राम विकास अधिकारी को ग्राम सचिवालय ..... की सामान्य/विशेष/दण्ड

ग्राम पंचायत अवधि की ..... की अवधि में संपन्न हुई विकास गतिविधि

..... पर जिला विकास अधिकारी अथवा के पत्रांक

प्रेषक .....

दिनांक .....

Ex. R.E. Nangal
Head of Project
SJVN LHEP, Shimla

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कार्यालय ग्राम पंचायत मौगड़ा

विकास ब्लॉक भरमौर, तहसील भटियात, जिला चम्बा-176080

क्रमांक .....

दिनांक 30/05/2024

सेवा में,

अधिशासी अभियन्ता (वि.ख.एवं प्र.वि.)
हुर्रा खास्त जल विद्युत परियोजना, मिंगल।

विषय:- हुर्रा खास्त जल विद्युत परियोजना स्थापित करने हेतु सहमति पत्र।

महोदय,

आपसे अनुरोध है कि हुर्रा खास्त जल विद्युत परियोजना स्थापित करने हेतु ग्राम पंचायत मौगड़ा की ग्राम सभा की बैठक दिनांक 14/05/2024 को आयोजित की गई थी। उक्त बैठक में सर्वसम्मति से निर्णय लिया गया कि हुर्रा खास्त जल विद्युत परियोजना स्थापित करने हेतु सहमति पत्र दिया जाए।

धन्यवाद।

भवदीय

ग्राम पंचायत मौगड़ा

Er. R. [illegible]
Asst. Head of Project
SJVN, HPCL Bhma

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कार्यालय ग्राम पंचायत ओगली

चिकास खण्ड बसन्तपुर, तह० सुन्नी, जिला शिमला (हि.प्र.)

प्रति,

सेवा में,

प्रतिलिपि

विषय :-

Ex. Engineer
Head of Project
S.V.N. UHEP, Nathpa

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ग्राम पंचायत खाग

कार्यालय ग्रामसेवक, विकास खण्ड रामेश्वरपुर, तह. कुम्भी, जिला सिमरा (बिहार)

क्रमांक/पत्रांक
मोबाइल
ई मेल/EMAIL

दिनांक...

विषय:- [illegible] हेतु रहकृतियों पात्र जारी किये जाने बाबत।

[illegible] के संदर्भ में [illegible] हेतु रहकृतियों पात्र जारी किये जाने के संबंध में [