

PROPOSAL FOR DIVERSION OF FOREST LAND

(0.8223 HACTARES)

**IN SUB-TEHSIL SAINJ, GHNP FOREST DIVISION SHAMSHI,
DISTT. KULLU (HP)**

FOR CONSTRUCTION OF

JIVA-II (1.75 MW) SHEP

BY

M/S BEHAL MOTORS

PROPOSAL NO. :FP/HP/HYD/147118/2021

DATE OF SUBMISSION :05/10/2021

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

Check List No. 1

CHECK-LIST

OF

DOCUMENTS/INFORMATION REQUIRED FOR PROPOSAL

FOR DIVERSION OF FOREST LAND FOR NON FORESTRY USE UNDER FOREST (CONSERVATION) ACT, 1980

S.No.	Name of the Document (s)	Provided or Not	If not Provided Why?	Page Number
1	Check-list of the project proposal	Yes		1-9
2	Demand letter of the project authority/ applicant, if submitted.	Yes		10
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		11-18
4	Detailed note on the project. It must include the information regarding the number of villages and number of persons to be benefited from the project including employment generation.	Yes		19-20
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		21-22

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		23
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 (<i>in the prescribed format</i>).	Yes		24-25
8	Statement showing the details of non-forest area involved in the proposal (<i>in the prescribed format</i>).	Yes		26
9	Certificate from the Collector/Deputy Commissioner that no alternative suitable non-forest land is available for the project in question.	Yes		27
10	Justification for locating the project in forest area to be submitted by User Agency and countersigned by DFO.	Yes		28
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 (<i>in the prescribed format</i>).	Yes		29-32
12	Undertaking by the User Agency to bear the cost of compensatory afforestation duly counter signed by the DFO (<i>in the prescribed format</i>).	Yes		33
13	Undertaking by the User Agency to pay the Net Present Value (NPV) of the forest land involved duly countersigned by DFO (<i>in the prescribed format</i>).	Yes		34
	Undertaking by the User Agency to pay the Additional Net Present Value (NPV), if any, of the forest land involved duly countersigned by DFO (<i>in the prescribed format</i>) as decided at a later date as per the decision of the Supreme Court.	Yes		35

14	<p>A certificate from the competent authority in the State in the prescribed (<i>vide MoEF letter No. 11-9/98-FC (pt.) dated 5th July 2013</i>) format that all forest rights under the Forest Rights Act, 2006 have been settled in respect of the forest area proposed for diversion, wherever applicable.</p> <p>In case, the process for settlement of rights under FRA has not been initiated, grant of stage-I approval under the FCA to the proposal will be considered only if a certificate from the competent authority concerned, clearly stating that the process for settlement of rights under the FRA has not been initiated along with evidences supporting that settlement of rights under the FRA will be initiated and completed before the final approval, is enclosed with the proposal (<i>vide F. No. 11-179/2012-FC Dated: December 20, 2013</i>).</p>	Yes		36
15	Species-wise and girth class-wise enumeration list and abstract of trees (<i>abstract to be given at the end of the list</i>) standing on the forest area in question neatly typed or computerized and duly signed by DFO.	yes		37-44
16	Site inspection report of the forest area involved in the project proposal by the DFO concerned or higher level forest officer in prescribed format (<i>in the prescribed format</i>).	Yes		45
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 (<i>in the prescribed format</i>).	Yes		46-48
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 (<i>in the prescribed format</i>).	Yes		49-54
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.			

20	Suitability certificate from the Divisional Forest Officer that the land identified for compensatory afforestation is suitable for raising plantation (<i>in the prescribed format</i>).	Yes		55-56
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		57
22	In case of proposal which requires entry/exit through Protected Forest strips along 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 (<i>in case of industries</i>) should be clearly mentioned.			
24	Status of clearance under Environment (Protection) Act, 1986, wherever required.			
25	NOC of the State Pollution Control Board for establishment of the project, wherever required.			
26	Detailed scheme for rehabilitation of project affected persons, wherever required.			
27	Detailed Catchment Area Treatment Plan, wherever required. The CAT Plan should be prepared on the basis of actual survey of area and its classification in various categories requiring different engineering/ afforestation and other treatments in phased manner.			
28	Detailed Reclamation Plan, wherever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colours. It should also include the details of back fillings, afforestation and execution of such works, wherever required.	yes		58-75

IV	Documents/Information Required for Proposals for Mining 6
33	<p>The following information/documents must be given :-</p> <p>I New Proposals</p> <ol style="list-style-type: none"> 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/ Deptt., of Geology and Mining of the State Government. <p>II) In case of renewal of Mining Lease</p> <ol style="list-style-type: none"> a) A brief profile of the lessee/ company should be submitted giving details of their existing mining leases in the State with their capacity of production, the present level of average annual production, location of these pits and the status of reclamation of forest land that are exhausted of minerals.

	<p>b) Complete details of existing or proposed leases in that particular forest area with their present status should be indicated on the Survey of India Topo-sheet in appropriate scale</p> <p>c) The State Government shall forward the complete proposal to the RO/MoEF at least six months prior to the expiry of the existing lease. In case of any delay, a details report elaborating the causes of delay shall be forwarded along with the Proposal</p> <p>d) A resolution of Gram Panchayat/ Local Body of the area endorsing the proposal that the project is in the interest of the people living in and around the proposed forest land.</p>			
V	Documents/Information Required for Proposals for Retail Outlets of an Oil Companies			
34	<p><i>The following information/ documents must be given :-</i></p> <p>a) Copy of letter of intent issued by the oil Company.</p> <p>b) Site selection certificate as per Govt. of India guidelines. The DFO should certify the distance between two retail outlets on either side of the outlet in question.</p> <p>c) Layout plan showing dimensions of proposed approach road for entry and exit with clear area calculations.</p> <p>d) Map clearly indicating the directions of the road leading from....to.....</p> <p>e) The area calculations for the curves should invariably be given in the layout plan.</p> <p>f) NOC from NHAI/PWD/Urban or local body</p>			

	<p>g) NOC from Town and Country Planning/ local body</p> <p>h) Certificate by User Agency to the effect that no High Tension line passing above the proposed site duly countersigned by DFO</p> <p>i) A Certificate by User Agency to the effect that no LP Gas godown is located near the proposed site duly countersigned by DFO</p>			
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Date.....

Place

Authorized Signatory

Deepak Sharma

Auth. Signatory

Behar Motors
Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GNHP Shamshi Dist. Kullu (HP)
Shamshi, Kullu (H.P.)

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
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Certificate

Certificate as required vide Nodal Officer (FCA) & CCF (FC), H.P. letter
No.....

1. Full signature with complete address of user agency on request letter	Yes
2. All the undertakings are on letter head or judicial paper	Yes
3. Photocopies of concerned document duly self attested by user agency and countersigned by DFO	Yes
4. Photocopies of concerned NOC's duly self attested by user agency and countersigned by DFO	Yes
5. Signature on every paper of C.A. scheme	Yes

Date:

Place:

For BEHL MOTORS Authorized Signatory

Deeju Shaw
Auth. Signatory

Behal Motors
Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GHNP Shamshi, Distt. Kullu (HP)
Great Himalayan National Park
Shamshi, Kullu (H.P.)

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Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
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Check List No. 2

(Demand Letter)

To

Divisional Forest Officer,
GHNP Shamshi Forest Division,
Distt – Kullu (H.P.)

Subject: Diversion of **0.8223 Ha** of forest land for Construction of Jiwa-II SHEP under GHNP Forest Division Shamshi at Distt. Kullu (H.P.)

Sir,

“Jai Hind “

We hereby applying for prior approval under section 2 of the state Govt. & other authorities for the subject cited proposal. Please find enclosed herewith six set of application on prescribed format.

We would be highly thankful for your early approval on the subject.

Thanking you,

Date:

Place: Shamshi

Authorized Signatory

For **BEHL MOTORS**

Deepak Sharma

Behl Motors
Jiwa-II SHEP (1.75 MW)

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Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No. :

Proposal No. : FP/HP/HYD/147118/2021

Date of Proposal : 05/10/2021

CHECK LIST NO. 3

Form 'A'

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

PART-I (To be filled up by user agency)

1	Project details:-	
(i)	Short narrative of the proposal and project/scheme for which the forest land is required.	Diversion of 0.8223 Ha. of forest land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Forest Division, Shamshi at Distt. Kullu (H.P.)
(ii)	Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map	Attached at Page No - 21 to 22
(iii)	Cost of the project	1313.83 Lakhs
(iv)	Justification for locating the project in the forest area.	During survey & investigation, all other alternates were studied, but keeping in view the viability of project and minimum use of the forest land, present proposal was finalized. This project is to be constructed in a very remote area where there is very less private or revenue land. The shortest route does not touch the private land hence forest land was needed for this proposal.
(v)	Cost benefit analysis (to enclosed)	Yes (>5MW)
(vi)	Employment likely to be generated	Approx. 395 Person (180000 men days) during construction and 12 permanent jobs after COD.
2	Purpose-wise break-up of the total land required.	Land Required for Construction of project=0.8344 Ha. which is 0.8223ha. of Forest & 0.0121 ha. of private land is involved
3	Details of displacement of people due to the project, if any:	NA in Run of River Scheme
(i)	Number of families.	NA
(ii)	Number of scheduled castes/scheduled Tribe families	NA
(iii)	Rehabilitation plan(to be enclose)	NA
4	Whether clearance under Environment (Protection) Act, 1986 required? (yes/No).	NA
5	Undertaking to bear the cost of raising and maintenance of	Attached at Page No - 37, 38, 39, 40 to 46 to 48

	compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of safety Zone etc. as per the scheme prepared by the state government(undertaking to be closed)	
6	Detail of certificates/documents enclosed as required under the instructions.	1. Project map 2. Compensatory Afforestation scheme & map 3. Site inspection by DFO.

Date:

Place:

Authorized Signatory
Deputy Director
Auth. Signatory:
Behal Motors
Jawa-II SHEP (1.75 MW)

Countersigned By:-


Divisional Forest Officer
Ghansar National Park
GHNP Shamshi, Distt. Kullu (HP)

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	Kullu
	iii) Forest Division	GHNP Shamshi
	iv) Area of Forest land proposed for diversion (in hac)	0.8223
	v) Legal status of forest	PF
	vi) Density of vegetation	0.1
	vii) Species wise (scientific names) and diameter class wise enumeration of trees (to be enclosed) in case of irrigation/ hydel Projects enumeration at FRL, FRL-2 meter and FRL-4meter also to be enclosed	As per list attached at Page No 37-39
	viii) Brief on vulnerability of the forest are erosion	There is no possibility of erosion of forest land by the construction of proposed project.
	ix) Approximate distance of proposed site for diversion from boundary of Forest.	Located within the boundary of forest and distance of various components are variable.
	x) Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor etc. (if so the detail of the area and comments of the Chief Wildlife warden to be annexed)	No
	xi) Whether any rare/endangered /unique species to flora and fauna found in the area? If so detail thereof.	No rare/endangered species found in the area even visit this area
8.	Whether any protected archaeological/ heritage site/defense establishment or any other important monument is located in the area? If so the detail thereof with NOC from competent authority if	No

	required.	
9.	Whether the requirement of forest land as proposed by the user agency in Col.2 of Part-1 is unavoidable and barest minimum for the project? If no recommended area item wise with detail of alternatives examined.	The requirement of the forest land is unavoidable. During site and joint inspection requirement of forest land has been ensured to be barest minimum.
10	Detail of Compensatory Afforestation scheme i) Detail of non- forest area/degraded forest area identified for Compensatory Afforestation, its distance from adjoining forest, number of patches and size of each patch.	As per Compensatory Afforestation estimate attached. Page 52-55
	ii) Map showing non forest area/degraded forest area identified for compensatory afforestation and adjoining forest boundaries.	Map attached at page ...47.....
	iii) Detailed compensatory Afforestation and adjoining forest boundaries.	Detailed scheme attached at page -48
	iv) Total financial outlay for compensatory Afforestation scheme.	The financial outlay for raising plantation over 1.70 Hac. and its maintenance for ten year under compensatory scheme including out to Rs...409320..... Including the cost of fence post to the tune of Rs...30,430.
	v) Certificate from competent authority regarding suitability of Compensatory Afforestation and from management point of view (to be signed by the concerned Deputy Conservator of Forests)	Certificate attached at page...55.....

11.	Site inspection report of the DCF (to be enclosed) especially high lighting facts asked in Col. 7 (ixxii 8 and 9 above.	Enclosed at page...45.....
12.	Division/District Profile	GHNP Shamshi
	Geographical area of district	5,50,300
	Forest area of the District	197629
	Total Forest area diverted since 1980 on	83,8893hac
	Forest land including penal Compensatory Afforestation.	167,7786 hac
	Non Forest land	NIL
	Progress of compensatory as on dated 17/12/2021.	
	Forest land.	169.77
	Non Forest land	NIL
13.	Specific recommendations of the DCF for acceptance of otherwise of the proposal with reasons.	The proposal is recommended for diversion of 0.8223 hac forest land under FCA,1980 for the construction of 1.75 MW Jiwa-II SHEP as the forest area involved in the proposal is unavoidable and barest minimum. The User Agency M/s Behal Motors has also given undertaking to pay the amount of Compensatory Afforestation (CA), Net Present Value (NPV) etc.

Date.....

Place.....

Divisional Forest Officer,
GHNP Division, Shamshi.

Full Title of Project: Diversion of 0.8223 ha. of Forest Land for Construction of Jiwa-II SHEP
1.75 MW, Sub Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu H.P

File No.

Proposal No. FP/HP/HYD/147118/2021

Date of Proposal.

PART-III

(To be filled by the Conservator of Forests)

1.	Whether site, where the forest land involved is located has been inspected by concerned Conservator of Forests (yes / No). If, yes, the date of inspection & observation made in form of inspection note to be enclosed.	- No -
2.	Whether the concerned Conservator of Forests agree with the information given in Part-B and the recommendation of Deputy conservator of Forests.	Yes, I agree.
3.	Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reason.	No specific reasons Proposal may be accepted by the DCF Shamshi

Date.....Shamshi Kullu
Place.....30/12/2021

M. Mahendra
Conservator of Forests,
GHNP Circle, Shamshi.



Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
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PART-IV

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

1	Detailed opinion and recommendation of the State Forest Department for acceptance or otherwise of the proposal with remarks. (While giving opinion, the adverse comments made by concerned Conservator of Forests or Deputy Conservator of Forests should be categorically reviewed and critically commented upon)	
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Date:

Place:

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Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
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PART-V

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

1	Recommendation of the State Government: (Adverse comments made by any officer or authority in Part-B or Part-C or Part-D above should be specifically commented upon)	
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Date:

Place:

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
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CHECK LIST NO. 4

Detail Note on the project

INTRODUCTION OF THE PROMOTERS

M/s Behl Motors is a registered company. The firm is well established. The directors of the firm are having vast experience in civil, electrical and mechanical constructions and involved with constructions and investigation of small Hydro Projects. In addition to above, the directors are running various business activities viz spare part, Tata motors dealers and also running educational institutions. The firm has the required technical knowhow for the execution of civil, electrical and mechanical works related with the hydro-projects.

The firm is financially and technically sound and equipped with the infrastructure required to build and operate the small hydro projects.

LOCATION OF THE PROJECT

The Jiwa-II Hydro Electric Project is run-of-the river project. This project is located opposite village Kathiari near Sainj town, about 50 km from Mandi in Himachal Pradesh. The Jiwa-II Hydro Electric project is proposed to be built on the left bank of Jiwa Nallah a tributary of river Sainj. This Small Hydro Project is estimated to generate 1.75 MW of electric power by using the water of Jiwa nallah.

GEOLOGY AT COMPONENTS THE SITE OF VARIOUS PROJECT

Diversion Weir and Intake Site

Rocks are exposed on the left bank of the diversion weir site. The hill slopes on the left bank above the river bed are 60° and 70°. The Nallah is strewn with boulders of Quartzite, Phyllites, Lime stone of various dimensions which got dislodged to roll down to the Nallah bed. The left bank comprises of slope: wash material. The nallah flows in two channels separated by shoal deposits made of river borne materials. The slopes on both the banks are stable and covered with vegetation. Thus the diversion weir location is safe from geological considerations.

Feeder Channel, Desilting Tank and Power duct

An open channel 100m long connecting Intake structure and Desilting Tank followed by the power duct of 1050mm dia and 1300m length on the left bank passes through hard rock having favourable bedding planes. The Desilting tank is proposed to be constructed at a location 100m downstream of the intake structure. The area has around 1.0m to 1.5 m over burden materials and shall be required to be removed to site the structure on rocky strata to safely withstand loading due to Desilting tank.



The power duct from Desilting tank to forbay tank is around 1000m and traverses through stretches comprising of overburden material as well as rocky strata. The slopes are generally stable. however, at some stretches adequate slope to the cutting face of the hill shall be required to be given to avoid any slope failure.

FOREBAY

The forebay is proposed to be located on strata comprising of soil mixed with boulders and hence shall pose no geological problems.

PENSTOCK

The steel Penstock is aligned on the spur which is partly rocky and partly overlain with boulders. Good foundations are available for locating the anchor Blocks and saddles of surface Penstock.

POWER HOUSE:

The Power house is proposed to be located on a terrace on the left bank of Jiwa nallah opposite village Kathiari. The terrace here comprises slope wash material mixed with medium size boulders. The power house is proposed to be founded inside the rock after removing the overburden. The power House is located well above the highest Flood Level, hence safe.

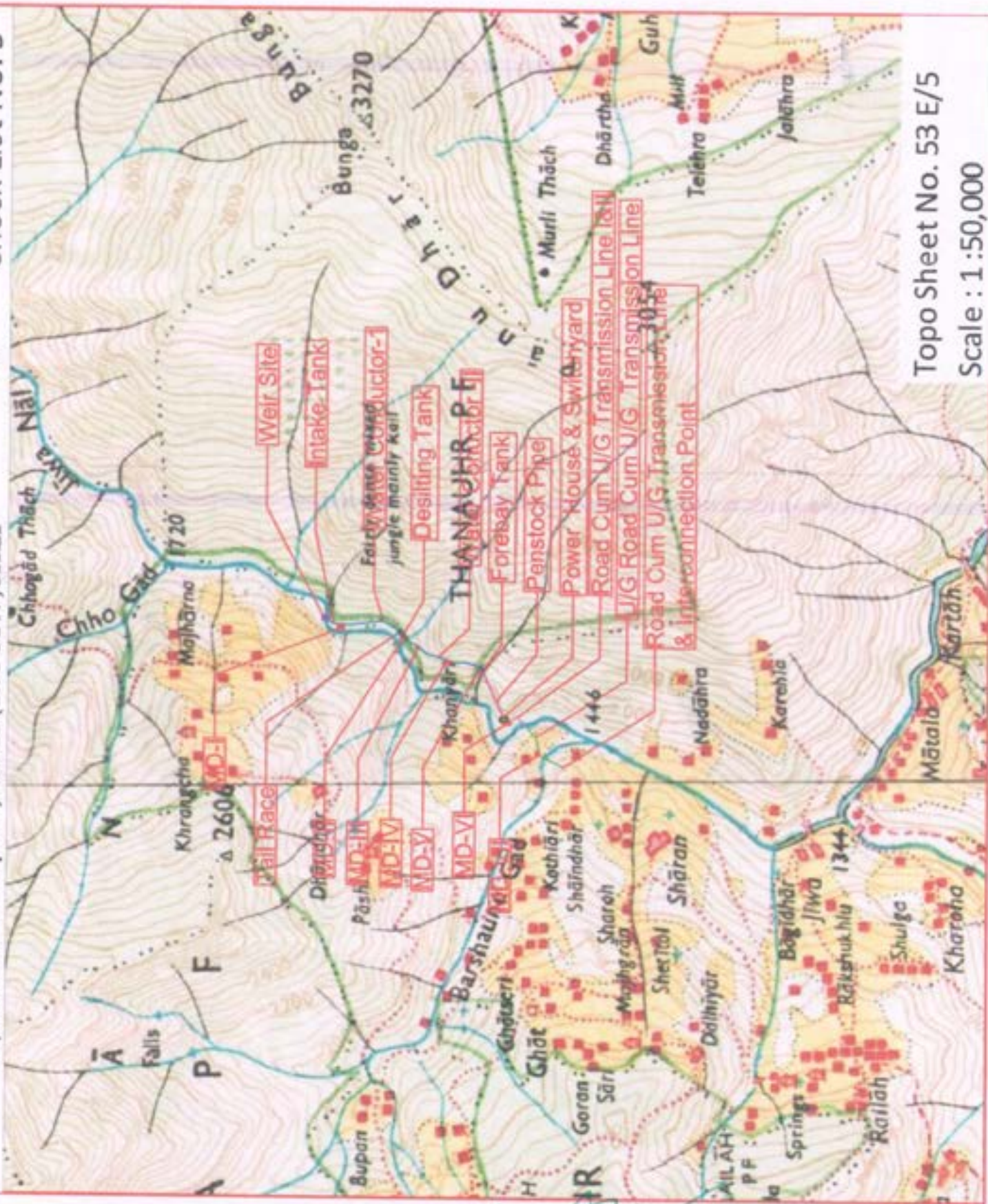
Date:

Place: GHNP Shamshi

Authorized Signatory
For BEHL MOTORS
Deepu Shrivastava
Authorized Signatory
Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
Great Himalayan National Park
GHNP Shamshi, Distt. Rudrapur (N.P.)
Shamshi, Kulu (H.P.)



Topo Sheet No. 53 E/5

Scale : 1:50,000

For VEHLE MOTORS

Dupli Shewa

Divisional Forest Officer
Great Himalayan National Park
Snamshi, Kullu (H.P.)



DIGITAL MAP OF 0.8223 HECTARES OF FOREST LAND FOR THE CONSTRUCTION OF JIWA-II (1.75 MW) SHEP IN FAVOUR OF BEHAL MOTORS

LEGEND

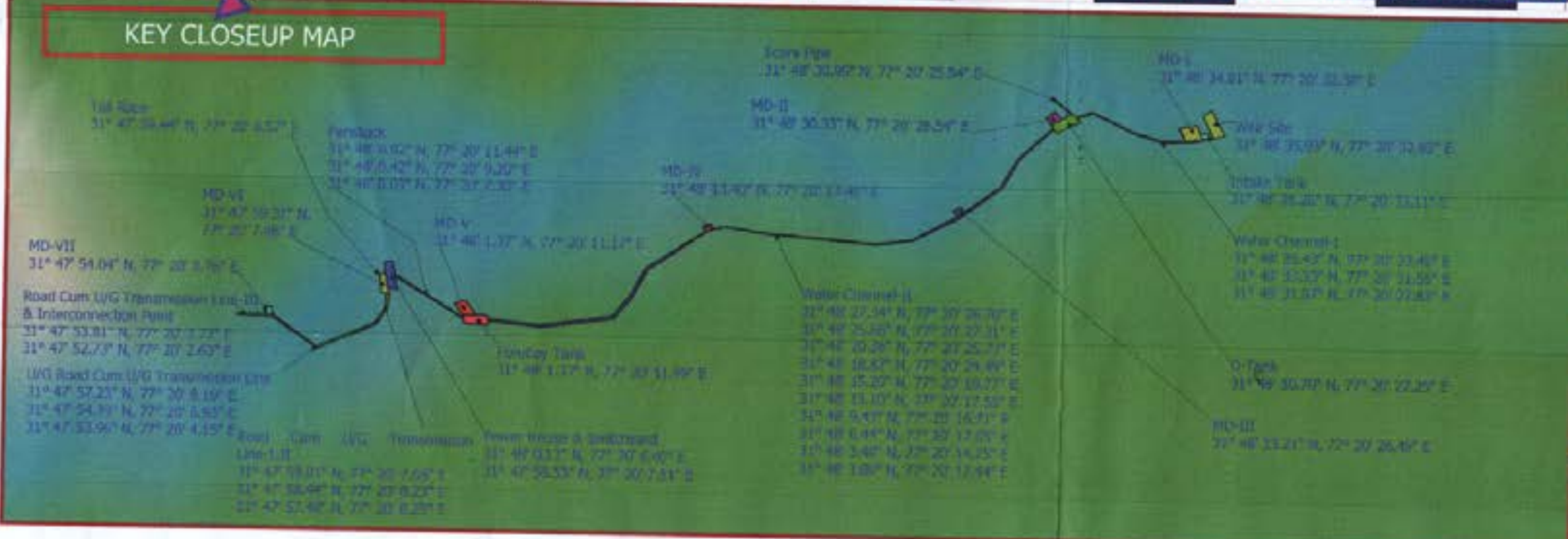
Jiwa-II (0.8223 Ha.)

- Tail Race
- D- Tank
- Forebay Tank
- Intake Tank
- MD-I
- MD-II
- MD-III
- MD-IV
- MD-V
- MD-VI
- MD-VII
- Penstock
- Power House Cum Switchyard
- Road Cum Underground Transmission Line- I,II
- Road Cum U/G Transmission Line-III
- Score Pipe
- Underground Road Cum U/G Trnasmission Line
- Untitled Polygon
- Water Channel-1
- Water Channel-II
- Weir Site

SCALE :



KEY CLOSEUP MAP

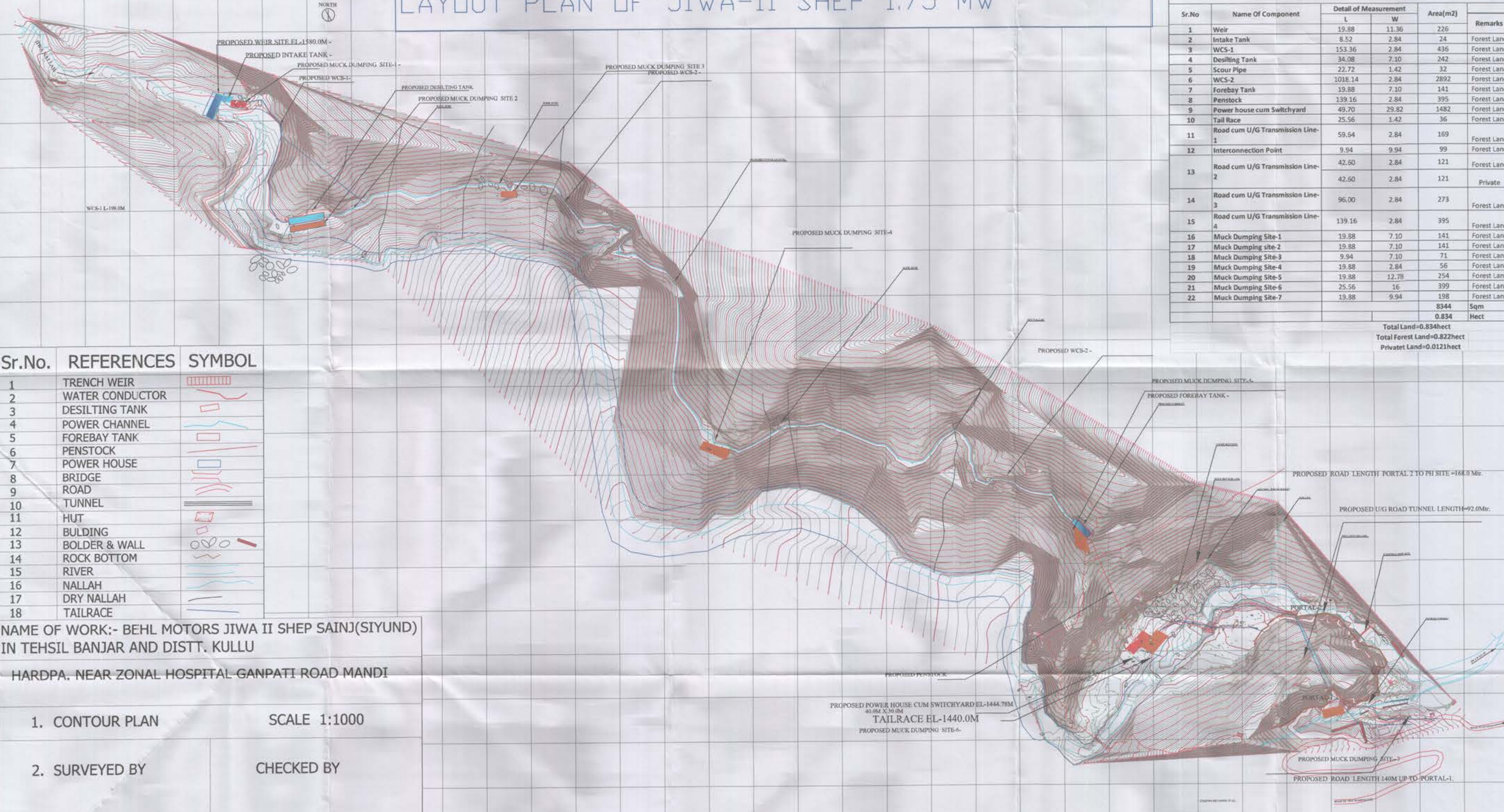


For BEHL MOTORS
Deepa Sharma
Auth. Signatory

Divisional Forest Officer
Great Himalayan National Park

C.L: 6

LAYOUT PLAN OF JIWA-II SHEP 1.75 MW



LAND REQUIREMENT DETAIL OF JIWA-II SHEP 1.75MW					
Sr.No	Name Of Component	Detail of Measurement		Area(m2)	Remarks
		L	W		
1	Weir	19.88	11.36	226	
2	Intake Tank	8.52	2.84	24	Forest Land
3	WCS-1	153.36	2.84	436	Forest Land
4	Desilting Tank	34.08	7.10	242	Forest Land
5	Scour Pipe	22.72	1.42	32	Forest Land
6	WCS-2	1018.14	2.84	2892	Forest Land
7	Forebay Tank	19.88	7.10	141	Forest Land
8	Penstock	139.16	2.84	395	Forest Land
9	Power house cum Switchyard	49.70	29.82	1482	Forest Land
10	Tail Race	25.56	1.42	36	Forest Land
11	Road cum U/G Transmission Line-1	59.84	2.84	169	Forest Land
12	Interconnection Point	9.94	9.94	99	Forest Land
13	Road cum U/G Transmission Line-2	42.60	2.84	121	Forest Land
14	Road cum U/G Transmission Line-3	42.60	2.84	121	Private
15	Road cum U/G Transmission Line-4	96.00	2.84	273	Forest Land
16	Road cum U/G Transmission Line-5	139.16	2.84	395	Forest Land
17	Muck Dumping Site-1	19.88	7.10	141	Forest Land
18	Muck Dumping Site-2	19.88	7.10	141	Forest Land
19	Muck Dumping Site-3	9.94	7.10	71	Forest Land
20	Muck Dumping Site-4	19.88	2.84	56	Forest Land
21	Muck Dumping Site-5	19.88	12.78	254	Forest Land
22	Muck Dumping Site-6	25.56	16	399	Forest Land
23	Muck Dumping Site-7	19.88	9.94	198	Forest Land
				8344	Sqm
				0.834	Hect
				Total Land=0.834hect	
				Total Forest Land=0.822hect	
				Private Land=0.0121hect	

Sr.No.	REFERENCES	SYMBOL
1	TRENCH WEIR	[Symbol]
2	WATER CONDUCTOR	[Symbol]
3	DESILTING TANK	[Symbol]
4	POWER CHANNEL	[Symbol]
5	FOREBAY TANK	[Symbol]
6	PENSTOCK	[Symbol]
7	POWER HOUSE	[Symbol]
8	BRIDGE	[Symbol]
9	ROAD	[Symbol]
10	TUNNEL	[Symbol]
11	HUT	[Symbol]
12	BUILDING	[Symbol]
13	BOLDER & WALL	[Symbol]
14	ROCK BOTTOM	[Symbol]
15	RIVER	[Symbol]
16	NALLAH	[Symbol]
17	DRY NALLAH	[Symbol]
18	TAILRACE	[Symbol]

NAME OF WORK:- BEHL MOTORS JIWA II SHEP SAINJ(SIYUND)
IN TEHSIL BANJAR AND DISTT. KULLU

HARDPA, NEAR ZONAL HOSPITAL-GANPATI ROAD MANDI

1. CONTOUR PLAN	SCALE 1:1000
2. SURVEYED BY	CHECKED BY

Full Title of Project:

Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

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File No.

Proposal No.

Date of Proposal

: FP/HP/HYD/147118/2021

: 05/10/2021

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

Sr. N.	District	Division	Range/Sub-Tehsil/Mohal	Khasra/Tukda/Survey or Compartment Number of Km. Stone	Forest Area proposed for Diversion (Ha.)	Legal Status of Forest Area	Remarks
1	2	3	4	5	6	7	8
1	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 1	0.0226	(DPF) Thanor C-II	Weir Site
2	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 2	0.0024	(DPF) Thanor C-II	Intake Tank
3	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 3	0.0436	(DPF) Thanor C-II	Water Channel -1
4	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 4	0.0141	(DPF) Thanor C-II	MD-1
5	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 5	0.0032	(DPF) Thanor C-II	Score Piepe
6	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 6	0.0242	(DPF) Thanor C-II	Desilting Tank
7	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 7	0.0141	(DPF) Thanor C-II	MD-II
8	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 8	0.2892	(DPF) Thanor C-II	Water Channel-II
9	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 9	0.0071	(DPF) Thanor C-II	MD-III
10	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 10	0.0056	(DPF) Thanor C-II	MD-IV
11	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 11	0.0141	(DPF) Thanor C-II	Forebay Tank
12	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/Sainj/Shensher	Tukda No. 12	0.0254	(DPF) Thanor C-II	MD-V

13	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Shensher	Tukda No. 13	0.0395	(DPF) Thanor C-II	Penstock	25
14	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Shensher	Tukda No. 14	0.1482	(DPF) Thanor C-II	Power House/ Switch Yard	
15	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Shensher	Tukda No. 15	0.0036	(DPF) Thanor C-II	Tail Race	
16	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Shensher	Tukda No. 16	0.0399	(DPF) Thanor C-II	MD-VI	
17	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Shensher	Tukda No. 17	0.0169	(DPF) Thanor C-II	Road Cum U/G Transmission Line-1	
18	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Raila/ Bhalan	Tukda No. 18	0.0121	(DPF) Thanor C-II	Road Cum U/G Transmission Line-II	
19	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Raila/ Bhalan	Tukda No. 19	0.0273	(DPF) Thanor C-II	Underground Road Cum U/G Transmission Line	
20	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Raila/ Bhalan	Tukda No. 20	0.0395	(DPF) Thanor C-II	Road Cum U/G Transmission Line-III	
21	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Raila/ Bhalan	Tukda No. 21	0.0198	(DPF) Thanor C-II	MD-VII	
22	Kullu	GHNP Shamshi Kullu	Jiwa Nallah/ Sainj/Raila/ Bhalan	Tukda No. 22	0.0099	(DPF) Thanor C-II	Interconnectio n Point	
TOTAL					0.8223			

Total Land Proposed for Diversion = 0.8223 Ha.

Date:

Place: Shamshi

Authorized Signatory

For BEHL MOTORS

Deepee Sharma

Behal Motors

Jiwa-II SHEP (1.75 MW)

Countersigned By:-

Divisional Forest Officer
GHNP Shamshi Distt. Kullu (HP)
Shamshi, Kullu (H.P.)

Full Title of Project:

Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No.

Proposal No.

Date of Proposal

: FP/HP/HYD/147118/2021
: 05/10/2021

CHECK LIST SERIAL NUMBER-08

STATEMENT SHOWING DETAILS OF NON - FOREST AREA PROPOSED FOR DIVERSION

S.No	District	Division	Range/Tehsil /Village/Mahal	Khasra/ Survey or Compartment Number of Km. Stone	Non Forest Area involved in the proposal (Ha.)	Present land Use	Remarks
1	2	3	4	5	6	7	8
1	Kullu	GHNP Shamshi	Jiwa Nallahl/Sainj/ Raila/Bhalan	2401/1	0.0121	0.0121	Road Cum Underground Transmission Line
Total Land Required					0.0121	0.0121	

Date:

Place: Shamshi

Authorized Signatory
For BEEL MOTORS

Arjun Sharma
Arjun Sharma

Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GHNP Shamshi, Distt. Kullu (HP)
Shamshi, Kullu (H.P.)



कार्यालय उपायुक्त कुल्लू जिला कुल्लू हिमाचल प्रदेश।
अनुपलब्धता प्रमाण पत्र

M/s Behal Motors, Plot no. 6, 7 Industrial area, Phase 3, Sauli Khad, Mandi, (HP) से प्राप्त पत्र संख्या BEHL/2021/1001 दिनांक 26/06/2021 के सम्बन्ध में संलग्न संयुक्त निरीक्षण रिपोर्ट दिनांक 25/06/2021 सहित for construction of JIWA-II (1.75) Small Hydro Power Electric Project, in Sub-Tehsil Sainj, District Kullu हेतु प्रस्तावित सरकारी/वन भूमि रकबा 0.8223 हैक्टेयर के हस्तान्तरण बारे अनुपलब्धता प्रमाण पत्र जारी करने का अनुरोध किया गया है। संयुक्त मौका निरीक्षण रिपोर्ट के अनुसार उपरोक्त प्रस्तावित सरकारी/वन भूमि न्यूनतम एवं अधिक उपयुक्त है तथा उपरोक्त प्रयोजन हेतु प्रस्तावित सरकारी/वन भूमि के अतिरिक्त अन्य भूमि उपलब्ध न है।

अतः उप मण्डल अधिकारी (ना०). बंजार की रिपोर्ट व संयुक्त निरीक्षण रिपोर्ट के आधार पर प्रस्तावित सरकारी/वन भूमि रकबा 0.8223 हैक्टेयर का M/s Behal Motors, Plot no. 6, 7 Industrial area, Phase 3, Sauli Khad, Mandi, (HP) को उपरोक्त प्रयोजन हेतु अनुपलब्धता प्रमाण पत्र जारी किया जाता है।

(आशुतोष गर्ग, भा०प्र०से०)

उपायुक्त कुल्लू।

पृष्ठांकन संख्या-2005-007/डी०आर०ए०
प्रतिलिपि सेवा में:-

दिनांक: 17/10/2021

- ✓ 1. उप मण्डल अधिकारी (ना०). बंजार, जिला कुल्लू को सूचनार्थ एवं आगामी आवश्यक कार्यवाही हेतु प्रेषित है।
2. वन मण्डल अधिकारी, ग्रेट हिमालयन नेशनल पार्क, शमशी, जिला कुल्लू को प्रेषित कर अनुरोध है कि वन संरक्षण अधिनियम 1980 के अन्तर्गत केन्द्र सरकार के पर्यावरण एवं वन विभाग की अन्तिम स्वीकृति प्राप्त होने पर उसकी एक प्रतिलिपि आगामी आवश्यक कार्यवाही के लिए तुरन्त इस कार्यालय को प्रेषित करें।
3. M/s Behal Motors, Plot no. 6, 7 Industrial area, Phase 3, Sauli Khad, Mandi, (HP) को सूचनार्थ एवं आगामी आवश्यक कार्यवाही हेतु प्रेषित है।

(आशुतोष गर्ग, भा०प्र०से०)

उपायुक्त कुल्लू।

For BEHL MOTORS

Dr. Ashu Sharma
Joint Secretary

Full Title of Project:

Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No.

Proposal No.

Date of Proposal

: FP/HP/HYD/147118/2021

: 05/10/2021

Check List Serial Number -10

JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST AREA

The Jiwa-II Hydro Electric Project is located in Kullu Distt. of Himachal Pradesh and is about 50 km from Mandi on Mandi-Aut Sainj road. The project lies between latitude of N 31°47'-00" to 31°55'-00" and longitude of E 77°-20'00" to 77°-31'00". It envisages utilization of water from Jiwa Nallah, a tributary of river Sainj for Power Generation to feed the Northern Regional Grid in general and Sainj town, Distt. Kullu in particular. The Jiwa nallah originates from Khande Dhar at an altitude of +4020 m. The catchment is steep and rocky with snow fed areas. The preliminary feasibility studies for locating a suitable weir and water conductor system for Jiwa-II Hydro Electric Project were under taken at weir site.

The Govt. of Himachal Pradesh has an identified hydro-electric potential of 21000 MW in various river basins of the state. The different Hydro Power Project of large, medium and small capacities are running or in the installation stage Near about 750 MW of hydro Potential has been identified in the Small Hydro Power Sector. The speedy exploitation of this hydro potential will improve state's economy as most of these projects are in backward tribal rural areas. The small hydro projects located in these areas will play important role in developing the rural economy by increasing the industrialization and irrigation network of the area, which will further improve the living conditions and standard of life of people of the backward areas.

No other viable alternative is available for the project, so it has to be as such be located in the forest land. Before finalizing this layout, three alternatives have been explored and one conveying minimum disturbance to the local population and forest area with minimum no. of trees is selected, keeping in view the other technical parameters required for the construction of the project. The same has also been certified by the concerned Divisional Forest Officer and Sub Divisional Officer (Civil) during the joint inspection of the project site on dated 25 June, 2021 (certificate enclosed on Page No.....)

Though three routes were considered. For selection of the best alternate, overall forest area, number of trees and length in forest area involved in Alternative-II are comparatively minimum, hence the same was finalized.

Date:

Place: GHNP Shamshi

Authorized Signatory
For BEHL MOTORS
Deepu Sharma
Behal Motors
Jiwa-II SHEP (1.75 MW)

Countersigned By:-

Divisional Forest Officer
GHNP Shamshi, Distt. Kullu (HP)
Great Himalayan National Park
Shamshi, Kullu (H.P.)

For BEHL MOTORS

Deepu Sharma
A.E.L. Sharma

Full Title of Project:

Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No.

Proposal No.

Date of Proposal

: FP/HP/HYD/147118/2021
: 05/10/2021

CHECK LIST SERIAL NUMBER-11

CERTIFICATE FOR MINIMUM USE OF FOREST LAND

This is to certify that the forest area involved in the proposal is unavoidable and barest minimum i.e. 0.8223 ha. Which is proposed diversion for construction of 1.75 MW Jiwa-II SHEP.

Date:

Place: Shamshi

Authorized Signatory
for ~~BEAR MOTORS~~
Arjun Sharma
Arjun Sharma
Behar Motors
Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GHNP Shamshi, Distt. Kullu (HP)
Shamshi, Kullu (H.P.)

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Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

ALTERNATIVES EXAMINED AND REASONS

Observations

From the above comparative analysis Route -1 & 3 have not been found suitable for the Diversion of 0.8223 Ha. of forest land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division at Distt. Kullu (H.P.) due to following reasons;

Alternate 1;

Alignment 1st involves thick forest, moreover, the topography of the same is not suitable for tunneling. More forest area will be involved in this plan as compared to the 2nd Alignment. Therefore, this alignment was not recommended.

Alternate 3;

Alignment 3rd is technically not feasible. This alignment if undertaken will result in head loss thereby reducing the feasibility/ viability of the project. Alignment 3rd also involves a lot of tunneling work & the topography of the same is not suitable for the laying of Penstock and slopes are not stable for the construction of the project. Therefore, this alignment was not recommended.

Recommendations

The Alternate-2

In the 2nd alignment total 0.8344 Hectare in which 0.8223 hectares of forestland & 0.0121 hectare of Private Land is involved with the least number of trees getting affected and in this alignment, no major digging of forest land will be involved for laying of the penstock. Since Alignment-2 is geologically more stable, involves minimum forest land and the least number of trees. Therefore Alignment -2 has been finalized.

1. This route is the shortest
2. All the components are on safe places.
3. Least no. of trees under cutting/trimming as compare to other routes.
4. Forest /Govt land involvement is least in this route
5. This line route has been so selected that majority of components locations are on safe locations, reducing thereby proximity to the forest area, habitations, and religious place
6. This alternate is geologically suitable for the construction of various components

Date:

Place: Shamshi

Authorized Signatory
For BEHL MOTORS

Deepu Sharma

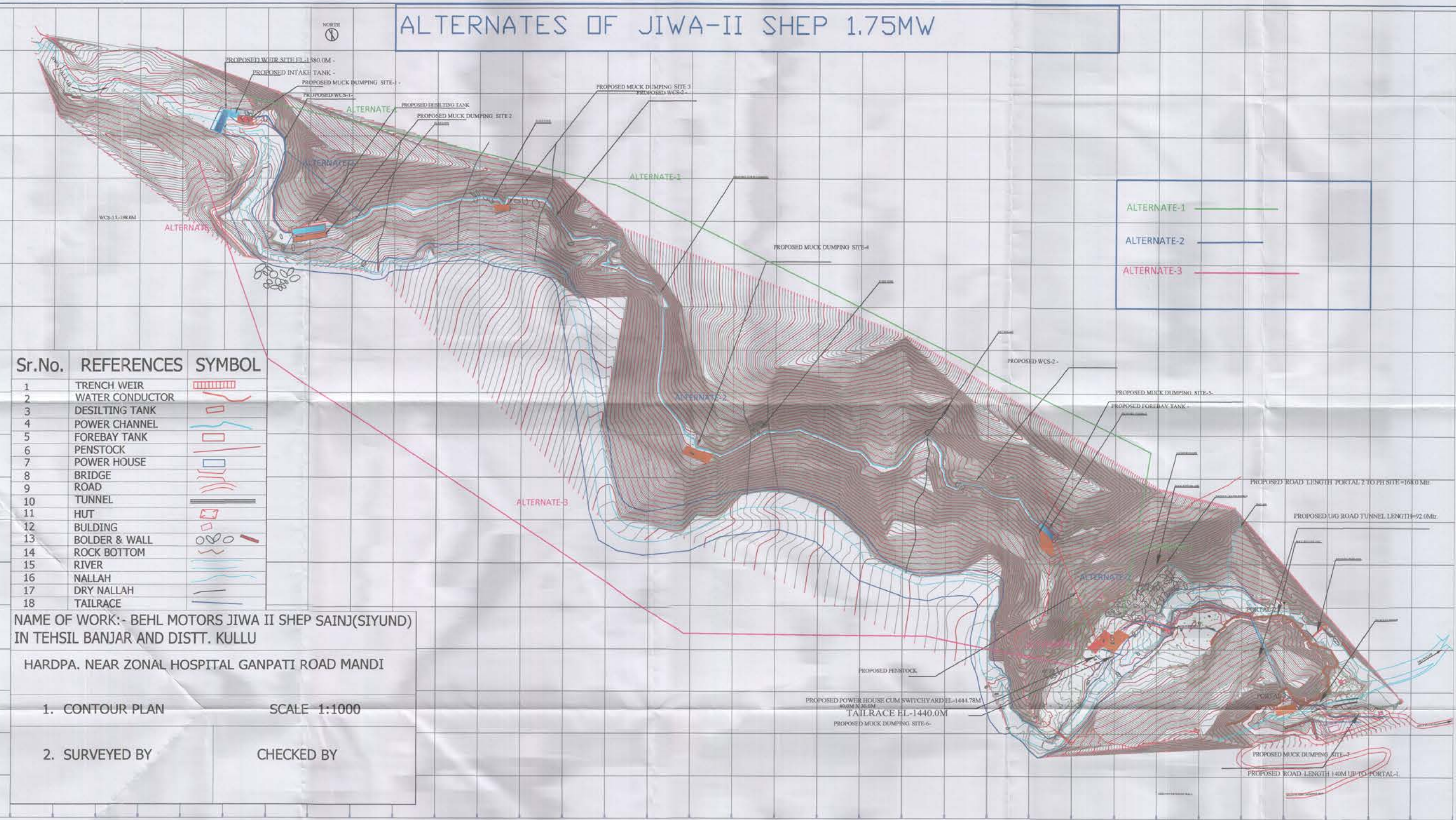
BEHL MOTORS

Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GNP/Shamshi, District Kullu (H.P.)
Shamshi, Kullu (H.P.)

ALTERNATES OF JIWA-II SHEP 1.75MW



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Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

CHECK LIST SERIAL NUMBER- 12
UNDERTAKING FOR PAYMENT OF COST OF COMPENSATORY AFFORESTATION

I, Deepak Dhawan, Director Cum Authorized Signatory of M/S Behal Motors hereby, undertake to pay the entire amount of compensatory afforestation in lieu of forest area for the Diversion of 0.8223 ha. of forest land for Construction of 1.75 MW Jiwa-II SHEP under GHNP Forest Division Shamshi of Distt. Kullu (H.P.) as per the prevailing wage rates at the time of undertaking the plantation activities.

Date:
Place: Shamshi

Authorized Signatory
For BEHL MOTORS

Deepak Dhawan
Director Cum Authorized Signatory
Jiwa-II SHEP (1.75 MW)

Countersigned By:-


Divisional Forest Officer
GHNP Shamshi, Distt. Kullu (HP)
Shamshi, Kullu (HP)

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Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

CHECK LIST SERIAL NUMBER- 13

UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE OF FOREST AREA

It is to certify that I, Deepak Dhawan Director Cum Authorized Signatory of M/S Behal Motors has applied for the Diversion of 0.8223 Ha. of total forest land for Construction of 1.75 MW Jiwa-II SHEP under GHNP Forest Division Shamshi of Distt. Kullu (H.P.). I hereby, undertake to pay the Net Present Value (NPV) of the above forest land.

Date:

Place: Shamshi

Authorized Signatory
For BEHL MOTORS
Deepak Dhawan
Authorized Signatory
Behal Motors
Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GHNP Shamshi, Distt. Kullu (H.P.)
Shamshi, Kullu (H.P.)

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

UNDERTAKING FOR PAYMENT OF ADDITIONAL NET PRESENT VALUE OF FOREST AREA

It is to certify that I, Deepak Dhawan Director Cum Authorized Signatory of M/S Behal Motors has applied for the Diversion of 0.8223 Ha. of total forest land for Construction of 1.75 MW Jiwa-II SHEP under GHNP Forest Division Shamshi of Distt. Kullu (H.P.). I hereby, undertake to pay the Additional Net Present Value (NPV) of the above forest land.

Date:

Place: Shamshi

Authorized Signatory
For BEHAL MOTORS
Deepak Dhawan
Behal Motors
Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GHNP Shamshi, Distt. Kullu (HP)
Shamshi, Kullu (H.P.)

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

Check list no -14

UNDERTAKING FOR SUBMISSION OF FRA

I, Deepak Dhawan Director Cum Authorized Signatory of M/S Behal Motors hereby, undertake to obtain & supply the certificate regarding settlement of forest right in r/o schedule tribes and forest dwellers as per FRA 2006 from Deputy Commissioner Kullu H.P for further processing of the case.

Date:

Place: Shamshi

YS

Authorized Signatory
For BEHL MOTORS

Deepak Dhawan
Authorized Signatory

Jiwa-II SHEP (1.75 MW)

Divisional Forest Officer
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

Enumeration list of Trees Coming in the Project component Jiwa-II SHEP 1.75 MW Thanor DPF C-II

Sr.No/ Tree No.	Local Name	Dia	Class	Volume	Remarks
1/2021-22	Rhododendron arboretum	Burash	IV	0.274	Green Standing
2/2021-22	Prunus cerasus	Paza	IV	0.274	Green Standing
3/2021-22	<i>Alder spp.</i>	Charakh	III	2.117	Green Standing
4/2021-22	Rhododendron arboretum	Burash	IV	0.274	Green Standing
5/2021-22	<i>Alder spp.</i>	Charakh	IIA	1.336	Green Standing
6/2021-22	Rhododendron arboretum	Burash	V	0.014	Green Standing
7/2021-22	Quercus leucotrichophora	Ban	IV	0.274	Green Standing
8/2021-22	<i>Salix spp.</i>	Bhashal	Sapling	0.014	Sapling
9/2021-22	Quercus leucotrichophora	Ban	IA	3.232	Green Standing
10/2021-22	Quercus leucotrichophora	Ban	III	0.708	Green Standing
11/2021-22	Quercus leucotrichophora	Ban	V	0.014	Green Standing
12/2021-22	Quercus leucotrichophora	Ban	IV	0.274	Green Standing
13/2021-22	Pinus roxburghii	Chil	III	0.42	Green Standing
14/2021-22	Ficus palmata	Dodhar	IV	0.274	Green Standing
15/2021-22	<i>Alder spp.</i>	Mauran	IIA	1.336	Green Standing
16/2021-22	Ficus palmata	Dodhar	V	0.014	Dry Half Broken
17/2021-22	Rhododendron arboretum	Burash	Sapling	0.014	Sapling
18/2021-22	Rhododendron arboretum	Burash	V	0.014	Green Standing
19/2021-22	Cassia fistula	Mandharu	IV	0.274	Green Standing
20/2021-22	Ficus palmata	Dodhar	V	0.014	Green Standing
21/2021-22	Ficus palmata	Dodhar	V	0.014	Green Standing
22/2021-22	Ficus palmata	Dodhar	IIA	1.336	Green Standing
23/2021-22	Ficus palmata	Dodhar	IV	0.274	Green Standing
24/2021-22	Ficus palmata	Dodhar	V	0.014	Green Standing
25/2021-22	<i>Alder spp.</i>	Charakh	Sapling	0.014	Sapling
26/2021-22	Rhus purjabensis	Tura	Sapling	0.014	Sapling

27/2021-22	Rhus punjabensis	Titra	20-20	V	0.014	Green Standing
28/2021-22	Rhus punjabensis	Titra	9.10	Sapling	0.014	Sapling
29/2021-22	Aldes 5th	Charakh	7.9	Sapling	0.014	Sapling
30/2021-22	<i>corrus capitata</i>	Kachhan	15.12	V	0.014	Green Standing
31/2021-22	<i>corrus capitata</i>	Kachhan	35.32	III	0.708	Green Standing
32/2021-22	<i>corrus capitata</i>	Chumu	53.60	III	2.117	Green Standing
33/2021-22	<i>Alnus nidita</i>	Kosh	35.50	IIA	1.336	Green Standing
34/2021-22	<i>Alnus nidita</i>	Khirak	11.12	V	0.014	Green Standing
35/2021-22	<i>Alnus nidita</i>	Kosh	36.50	IIA	1.336	Green Standing
36/2021-22	<i>Quercus leucotrichophora</i>	Ban	27.33	IV	0.274	Green Standing
37/2021-22	<i>Celtis australis</i>	Khirak	29.34	III	0.708	Green Standing
38/2021-22	<i>Celtis australis</i>	Khirak	8.8	Sapling	0.014	Sapling
39/2021-22	<i>Ficus palmata</i>	Dodhar	36.39	III	0.708	Green Standing
40/2021-22	<i>Ficus palmata</i>	Dodhar	18.20	V	0.014	Dry Half Broken
41/2021-22	<i>Quercus leucotrichophora</i>	Ban	37.31	III	0.708	Green Standing
42/2021-22	<i>Celtis australis</i>	Khirak	18.15	V	0.014	Green Standing
43/2021-22	<i>Rhododendron arboreum</i>	Burash	37.43	IIA	1.336	Green Standing
44/2021-22	<i>Celtis australis</i>	Khirak	27.26	IV	0.274	Green Standing
45/2021-22	<i>Alnus nidita</i>	Kosh	8.8	Sapling	0.014	Sapling
46/2021-22	<i>Alnus nidita</i>	Kosh	8.9	Sapling	0.014	Sapling
47/2021-22	<i>Alnus nidita</i>	Kosh	7.8	Sapling	0.014	Sapling
48/2021-22	<i>Alnus nidita</i>	Kosh	12.13	V	0.014	Green Standing
49/2021-22	<i>Alnus nidita</i>	Kosh	13.14	V	0.014	Green Standing
50/2021-22	<i>Alnus nidita</i>	Kosh	12.14	V	0.014	Green Standing
51/2021-22	<i>Alnus nidita</i>	Kosh	9.9	Sapling	0.014	Sapling
					22.546	

2/20/2021

Range, Jammu Hill

2/20/2021

2/20/2021

2/20/2021

GENERAL ABSTRACT

Sr.no	Species	Sapling	V	IV	III	IIA	IIB	IA	IB	IC	ID	Total
1	Chil(Pinus roxburghii)	0	0	0	1	0	0		0	0	0	1
2	Bam(Quercus leucotrichophora)	0	1	3	2	0	0	1	0	0	0	7
3	Burash(Rhododendron arboretum)	1	2	2	1	0	0	0	0	0	0	6
4	Pazra(Prunus cistaceus)	0	0	1	0	0	0	0	0	0	0	1
5	Charakh(Alder spp.)	2	0	0	0	1	1	0	0	0	0	4
6	Bhushal(Salix spp.)	1	0	0	0	0	0	0	0	0	0	1
7	Dodhar(Ficus palmata)	0	5	2	1	1	0	0	0	0	0	9
8	Mandharu(Cassia fistula)	0	0	1	0	0	0	0	0	0	0	1
9	Titra(Rhus punjabensis)	2	1	0	0	0	0	0	0	0	0	3
10	Kachhan(Cornus capitata)	0	1	0	1	0	0	0	0	0	0	2
11	Maaran(Alder spp.)	0	0	0	0	1	0	0	0	0	0	1
12	Chimu(Morus alba)	0	0	0	0	0	1	0	0	0	0	1
13	Kosh(Alnus nidita)	4	3	0	0	2	0	0	0	0	0	9
14	Khadak(Celtis australis)	1	2	1	1	0	0	0	0	0	0	5
	G.Total	11	15	10	7	5	2	1	0	0	0	51

Conifer=Chil=1 no Vol=0.42 cum

Other B/I =50 no=22.126 cum

G.Total Volume=22.546

9/10/2018
 Range Forest Officer
 Range Inspector

Vijay Bah
 1/c Bah

13.0.2018

Divisional Forest Officer
 Great Himalayan National Park
 Shamshi, Kulu (H.P.)

Enumeration list of Trees Coming in (1st Alternate Rejected) the Project component Jiwa-II
SHEP 1.75 MW Thanor DPF C-II

Sr.No/ Tree No.	Local Name	Dia	Class	Volume	Remarks
1/2021-22	Khadak	29-34	III	0.708	Green Standing
2/2021-22	Burash	26-28	IV	0.274	Green Standing
3/2021-22	Paza	22-24	IV	0.274	Green Standing
4/2021-22	Charakh	53-59	IIB	2.117	Green Standing
5/2021-22	Burash	28-30	IV	0.274	Green Standing
6/2021-22	Charakh	46-46	IIA	1.336	Green Standing
7/2021-22	Burash	13-14	V	0.014	Green Standing
8/2021-22	Ban	29-30	IV	0.274	Green Standing
9/2021-22	Bhashal	6,8	Sepling	0.014	Sepling
10/2021-22	Ban	52-70	IA	3.232	Green Standing
11/2021-22	Ban	28-33	III	0.708	Green Standing
12/2021-22	Ban	17-20	V	0.014	Green Standing
13/2021-22	Ban	28-30	IV	0.274	Green Standing
14/2021-22	Chil	36-37	III	0.42	Green Standing
15/2021-22	Dodhar	28-29	IV	0.274	Green Standing
16/2021-22	Maaran	44-44	IIA	1.336	Green Standing
17/2021-22	Dodhar	11,13	V	0.014	Dry Half Broken
18/2021-22	Burash	8,9	Sepling	0.014	Sepling
19/2021-22	Burash	11,12	V	0.014	Green Standing
20/2021-22	Mandharu	17-24	IV	0.274	Green Standing
21/2021-22	Dodhar	18-20	V	0.014	Green Standing
22/2021-22	Dodhar	15-20	V	0.014	Green Standing
23/2021-22	Dodhar	34-50	IIA	1.336	Green Standing
24/2021-22	Dodhar	23-21	IV	0.274	Green Standing
25/2021-22	Dodhar	20-20	V	0.014	Green Standing
26/2021-22	Charakh	8,9	Sepling	0.014	Sepling
27/2021-22	Titra	7,9	Sepling	0.014	Sepling
28/2021-22	Titra	20-20	V	0.014	Green Standing
29/2021-22	Titra	9,10	Sepling	0.014	Sepling
30/2021-22	Charakh	7,9	Sepling	0.014	Sepling
31/2021-22	Kachhan	15,12	V	0.014	Green Standing
32/2021-22	Kachhan	35-32	III	0.708	Green Standing
33/2021-22	Chimu	53-60	IIB	2.117	Green Standing
34/2021-22	Kosh	35-50	IIA	1.336	Green Standing
35/2021-22	Khadak	11,12	V	0.014	Green Standing
36/2021-22	Kosh	36-50	IIA	1.336	Green Standing
37/2021-22	Ban	27-33	IV	0.274	Green Standing
38/2021-22	Khadak	29-34	III	0.708	Green Standing
39/2021-22	Khadak	8,8	Sepling	0.014	Sepling
40/2021-22	Dodhar	36-39	III	0.708	Green Standing
41/2021-22	Dodhar	18-20	V	0.014	Dry Half Broken
42/2021-22	Ban	37-31	III	0.708	Green Standing
43/2021-22	Khadak	18-15	V	0.014	Green Standing
44/2021-22	Burash	37-43	IIA	1.336	Green Standing
45/2021-22	Khadak	27-26	IV	0.274	Green Standing
46/2021-22	Kosh	8,8	Sepling	0.014	Sepling
47/2021-22	Kosh	8,9	Sepling	0.014	Sepling

Wander
Mc Newb

So Rasta

(41)

40/2021-22	Kuah	7,8	Sepling	0.014	Sepling
49/2021-22	Kosh	12,13	V	0.014	Green Standing
50/2021-22	Kosh	13-14	V	0.014	Green Standing
51/2021-22	Kosh	12,14	V	0.014	Green Standing
52/2021-22	Kosh	9,9	Sepling	0.014	Sepling
53/2021-22	Ban	52-70	IA	3.232	Green Standing
54/2021-22	Ban	28-33	III	0.708	Green Standing
55/2021-22	Kosh	35-50	IIA	1.336	Green Standing
56/2021-22	Khadak	11,12	V	0.014	Green Standing
57/2021-22	Kosh	36-50	IIA	1.336	Green Standing
58/2021-22	Ban	27-33	IV	0.274	Green Standing
59/2021-22	Khadak	29-34	III	0.708	Green Standing
60/2021-22	Khadak	8,8	Sepling	0.014	Sepling
				30.876	

GENERAL ABSTRACT

Sr.no	Species	Sapling	v	IV	III	IIA	IIB	IA	IB	IC	ID	Total
1	Chil	0	0	0	1	0	0		0	0	0	1
2	Ban	0	1	4	3	0	0	2	0	0	0	10
3	Burash	1	2	2	1	0	0	0	0	0	0	6
4	Pazza	0	0	1	0	0	0	0	0	0	0	1
5	Charakh	2	0	0	0	1	1	0	0	0	0	4
6	Bhashal	1	0	0	0	0	0	0	0	0	0	1
7	Dodhar	0	5	2	1	1	0	0	0	0	0	9
8	Mandharu	0	0	1	0	0	0	0	0	0	0	1
9	Titra	2	1	0	0	0	0	0	0	0	0	3
10	Kachhan	0	1	0	1	0	0	0	0	0	0	2
11	Maoran	0	0	0	0	1	0	0	0	0	0	1
12	Chimu	0	0	0	0	0	1	0	0	0	0	1
13	Kosh	4	3	0	0	4	0	0	0	0	0	11
14	Khadak	2	3	1	3	0	0	0	0	0	0	9
	G.Total	12	16	11	10	7	2	2	0	0	0	60

Conifer=Chil=1 no Vol=0.42 cum

Other B/I =59 no=30.456 cum

G.Total Volume=30.876

Vijay Kumar
(McNair)

Dr. B. S. Rai

Range Forest Officer
W/L Range Jeewa Nai

Enumeration list of Trees Coming in (3rd Alternate Rejected) the Project component Jiwa-II SHEP 1.75 MW Thanor DPF C-II

Sr.No/ Tree No.	Local Name	Dia	Class	Volume	Remarks
1/2021-22	Kosh	36-50	IIA	1.336	Green Standing
2/2021-22	Ban	27-33	IV	0.274	Green Standing
3/2021-22	Khadak	29-34	III	0.708	Green Standing
4/2021-22	Khadak	29-34	III	0.708	Green Standing
5/2021-22	Burash	26-28	IV	0.274	Green Standing
6/2021-22	Paza	22-24	IV	0.274	Green Standing
7/2021-22	Charakh	53-59	IIB	2.117	Green Standing
8/2021-22	Burash	28-30	IV	0.274	Green Standing
9/2021-22	Charakh	46-46	IIA	1.336	Green Standing
10/2021-22	Burash	13-14	V	0.014	Green Standing
11/2021-22	Ban	29-30	IV	0.274	Green Standing
12/2021-22	Bhashal	6,8	Sepling	0.014	Sepling
13/2021-22	Ban	52-70	IA	3.232	Green Standing
14/2021-22	Ban	28-33	III	0.708	Green Standing
15/2021-22	Ban	17-20	V	0.014	Green Standing
16/2021-22	Ban	28-30	IV	0.274	Green Standing
17/2021-22	Chil	36-37	III	0.42	Green Standing
18/2021-22	Dodhar	28-29	IV	0.274	Green Standing
19/2021-22	Maaran	44-44	IIA	1.336	Green Standing
20/2021-22	Dodhar	11,13	V	0.014	Dry Half Broken
21/2021-22	Burash	8,9	Sepling	0.014	Sepling
22/2021-22	Burash	11,12	V	0.014	Green Standing
23/2021-22	Mandharu	17-24	IV	0.274	Green Standing
24/2021-22	Dodhar	18-20	V	0.014	Green Standing
25/2021-22	Dodhar	15-20	V	0.014	Green Standing
26/2021-22	Dodhar	34-50	IIA	1.336	Green Standing
27/2021-22	Dodhar	23-21	IV	0.274	Green Standing
28/2021-22	Dodhar	20-20	V	0.014	Green Standing
29/2021-22	Charakh	8,9	Sepling	0.014	Sepling
30/2021-22	Titra	9,10	Sepling	0.014	Sepling
31/2021-22	Charakh	7,9	Sepling	0.014	Sepling
32/2021-22	Kachhan	15,12	V	0.014	Green Standing
33/2021-22	Kachhan	35-32	III	0.708	Green Standing
34/2021-22	Chimu	53-60	IIB	2.117	Green Standing
35/2021-22	Kosh	35-50	IIA	1.336	Green Standing
36/2021-22	Khadak	11,12	V	0.014	Green Standing
37/2021-22	Kosh	36-50	IIA	1.336	Green Standing
38/2021-22	Ban	27-33	IV	0.274	Green Standing
39/2021-22	Khadak	29-34	III	0.708	Green Standing
40/2021-22	Khadak	8,8	Sepling	0.014	Sepling
41/2021-22	Dodhar	36-39	III	0.708	Green Standing
42/2021-22	Dodhar	18-20	V	0.014	Dry Half Broken

Yashu
1/10/2021

3-2-2021

Range Officer
Range Jeenu Nal

48

43/2021-22	Ban	37-31		III	0.708		Green Standing
44/2021-22	Khadak	18-15		V	0.014		Green Standing
45/2021-22	Burash	37-43		IIA	1.336		Green Standing
46/2021-22	Khadak	27-26		IV	0.274		Green Standing
47/2021-22	Kosh	8,8		Sepling	0.014		Sepling
48/2021-22	Kosh	8,9		Sepling	0.014		Sepling
49/2021-22	Kosh	7,8		Sepling	0.014		Sepling
50/2021-22	Kosh	13-14		V	0.014		Green Standing
51/2021-22	Kosh	12,14		V	0.014		Green Standing
52/2021-22	Kosh	9,9		Sepling	0.014		Sepling
53/2021-22	Ban	52-70		IA	3.232		Green Standing
54/2021-22	Ban	28-33		III	0.708		Green Standing
55/2021-22	Kosh	35-50		IIA	1.336		Green Standing
56/2021-22	Chil	36-37		III	0.42		Green Standing
					31.226		

GENERAL ABSTRACT

Sr.no	Species	Sepling	v	IV	III	IIA	IIIB	IA	IB	IC	ID	Total
1	Chil	0	0	0	2	0	0		0	0	0	2
2	Ban	0	1	4	3	0	0	2	0	0	0	10
3	Burash	1	2	2	1	0	0	0	0	0	0	6
4	Pazza	0	0	1	0	0	0	0	0	0	0	1
5	Charakh	2	0	0	0	1	1	0	0	0	0	4
6	Bhashal	1	0	0	0	0	0	0	0	0	0	1
7	Dodhar	0	5	2	1	1	0	0	0	0	0	9
8	Mandharu	0	0	1	0	0	0	0	0	0	0	1
9	Titra	1	0	0	0	0	0	0	0	0	0	1
10	Kachhan	0	1	0	1	0	0	0	0	0	0	2
11	Maaran	0	0	0	0	1	0	0	0	0	0	1
12	Chimu	0	0	0	0	0	1	0	0	0	0	1
13	Kosh	4	2	0	0	4	0	0	0	0	0	10
14	Khadak	1	2	1	3	0	0	0	0	0	0	7
	G.Total	10	13	11	11	7	2	2	0	0	0	56

Conifer=Chil=1 no Vol=0.84 cum

Other B/I =59 no=30.386 cum

G.Total Volume=31.226

Vizade
H.N.K.

Range Forest Officer
W/L Range Jeewa Nal

Range Forest Officer
W/L Range Jeewa Nal

BILL

Cost of Trees coming in the diversion of forest land in favour of M/s Behal Motors for the construction of JIWA-II SHEP (1.75 MW) of Jiwa Nalla Forest Range, GHNP Shamshi Forest Division Distt. Kullu H.P.

Sr. No.	Species	Scientific Name	Class	No.	Volume (cum)	Rate (per cum)	Amount
1	Chil	Capiscum Frutescens	III	1	0.42		
		TOTAL		1	0.42	41976	17630
2	Ban	Ficus Benghalensis	V	1	0.014		
			IV	3	0.822		
			III	2	1.416		
			IA	1	3.232		
		TOTAL		7	5.484	12246	67157
3	Burash	Rhododendron	V	2	0.028		
			IV	2	0.548		
			IIA	1	1.336		
		TOTAL		5	1.912	12246	23414
4	Pazza	Vachellia nilotica	IV	1	0.274		
		TOTAL		1	0.274	12246	3355
5	Charakh	Charaka Sanhita	IIA	1	1.336		
			IB	1	2.117		
		TOTAL		2	3.453	12246	42285
6	Dodhar	Cedrus deodara	V	5	0.07		
			IV	2	0.548		
			III	1	0.708		
			IIA	1	1.336		
		TOTAL		9	2.662	12246	32599
7	Mandharu	Diospyros melanoxylon	IV	1	0.274		
		TOTAL		1	0.274	12246	3355
9	Titra	Diploknema butyracea	V	1	0.014		
		TOTAL		1	0.014	12246	171
9	Kachhan	Bauhinia variegata	V	1	0.014		
			III	1	0.708		
		TOTAL		2	0.722	12246	8842
10	Maaran	Syzygium zeylanicum	IIA	1	1.336		
		TOTAL		1	1.336	12246	16361
11	Chimu	Manilkara zapota	IB	1	2.117		
		TOTAL		1	2.117	12246	25925
12	Kosh	Alnus nitidu	V	3	0.042		
			IIA	2	2.672		
		TOTAL		5	2.714	12246	33236
13	Khadak	Capparis decidua	V	2	0.028		
			IV	1	0.274		
			III	1	0.708		
		TOTAL		4	1.01	12246	12368
	Sapling			No.	Volume (cum)		
1	Burash			1	0.014		
2	Charakh			2	0.028		
3	Bhashal			1	0.014		
4	Titra			2	0.028		
5	Kosh			4	0.056		
6	Khadak			1	0.014		
	TOTAL			11	0.154	12246	1886
	TOTAL			51	22.546		288584.916
							10% Increase of market rate
							28858
							Sub Total
							317443
							Income Tax 2.575 % on price
							8174
							S/Charge 3%
							245
							G.TOTAL
							325863

Rs. Three Lakhs Twenty Five Thousand Eight Hundred And Sixty Three Rupees Only

Range Forest Officer
W/L Range Jeewa Nal

Divisional Forest Officer
GHNP Shamshi Distt. Kullu (H.P.)
Shamshi, Kullu (H.P.)

SITE INSPECTION REPORT NOT BELOW THE RANK OF DCF

(For the forest land to be diverted under FCA)

A proposal has been received by this office from M/S Behal Motors plot No.6,7, Industrial area phase-III Sauli Khad , Distt. Mandi HP for diversion (under FCA-1980) of 0.8223 hac of forest land for non-forestry purpose. The project envisages the use of forest land for construction of Jiwa -II SHEP 1.75 MW. The site inspection of the land involved in the proposal has been done by me on dated 15-12-2021.

On inspection of the site, it is found that the land required by the user agency is a demarcated Protected Forest measuring 0.8223 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 rare/endangered /unique species of flora and fauna is found in the area.

No protected archaeological/heritage site/defense establishment or any other Important monument is located in the area.

(a) The user agency has not violated the provision of Forest (Conservation) Act, 1980 and no work has been started without proper sanction.

(b) ~~It has been found that the user agency has violated the Forest (Conservation) Act, 1980 provision. A detailed report as per para 1.9 of Chapter I, Part C of handbook of Forest (Conservation) Act, 1980 is attached.~~

Specific recommendation for acceptance or otherwise of the proposal.

The proposal is recommended for approval.

Place

Dated

Shamshi
21/12/2021

Divisional Forest Officer
Great Himalayan National Park,
Shamshi, Distt. Kullu-175125
Office seal

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

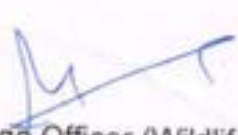
CHECK LIST SERIAL NUMBER: 17

LOCATION MAP

Location Map of Non Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of $0.8223 \times 2 = 1.6446$ or say 1.70 ha. of forest land for the construction of *JIWA-II SHEP (1.75 MW) SEHP* in **Kullu** District.

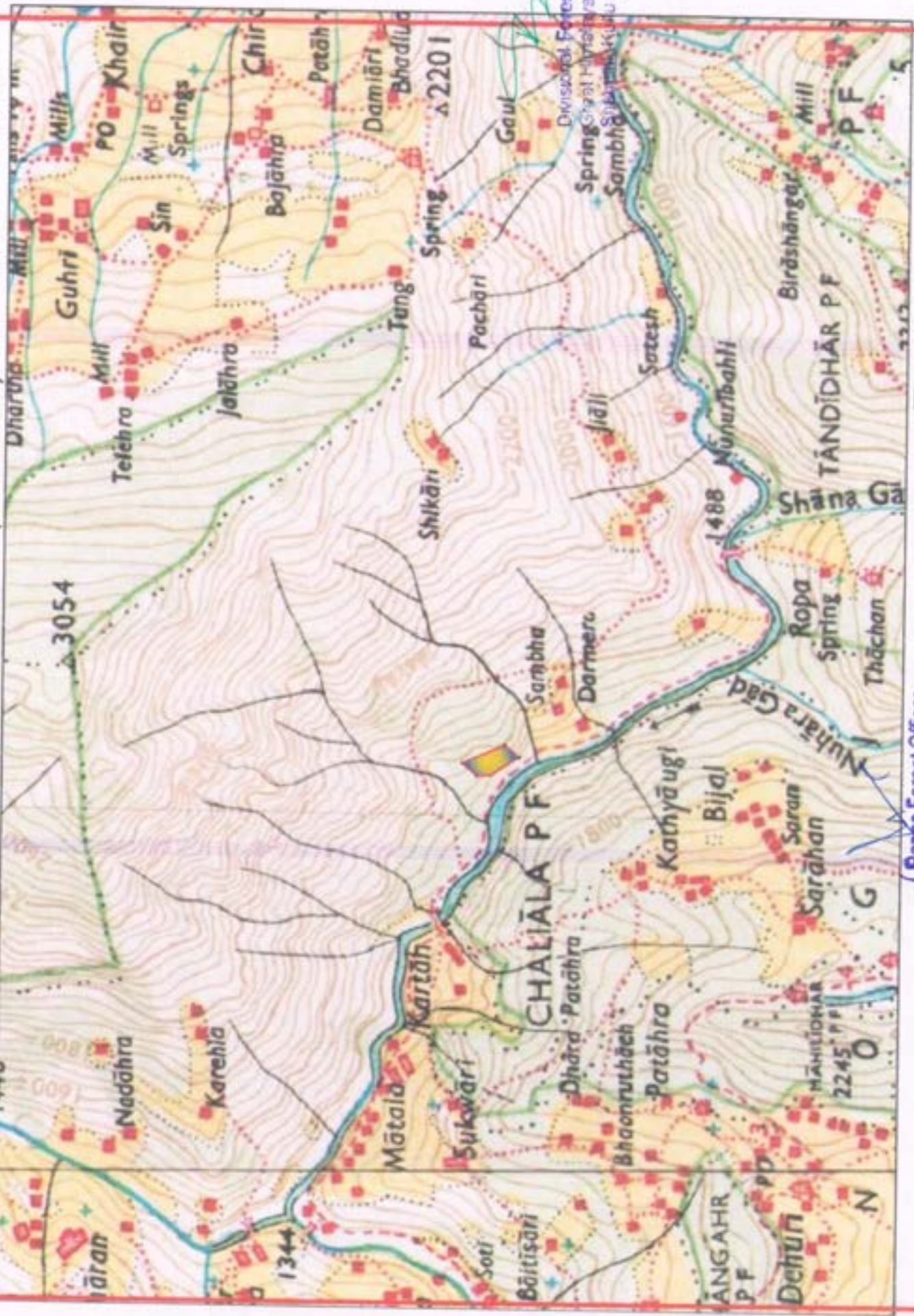
Village: Dharmada-II/ Karahila (UPF) 124	Sub-Tehsil : Sainj	District: Kullu
Forest Division; GHNP, Shamshi	Forest Range:- Jiwanal	
Block No./Compartment No./Survey No.:- Karahila (UPF) 124/ 53 E/5	Area: 1.70 Ha.	

Map attached of the area to be taken for Compensatory Afforestation


Forest Range Officer (Wildlife)
Jiwanal Forest Range


Divisional Forest Officer
Great Himalayan National Park
GHNP, Shamshi Distt. Kullu (HP)

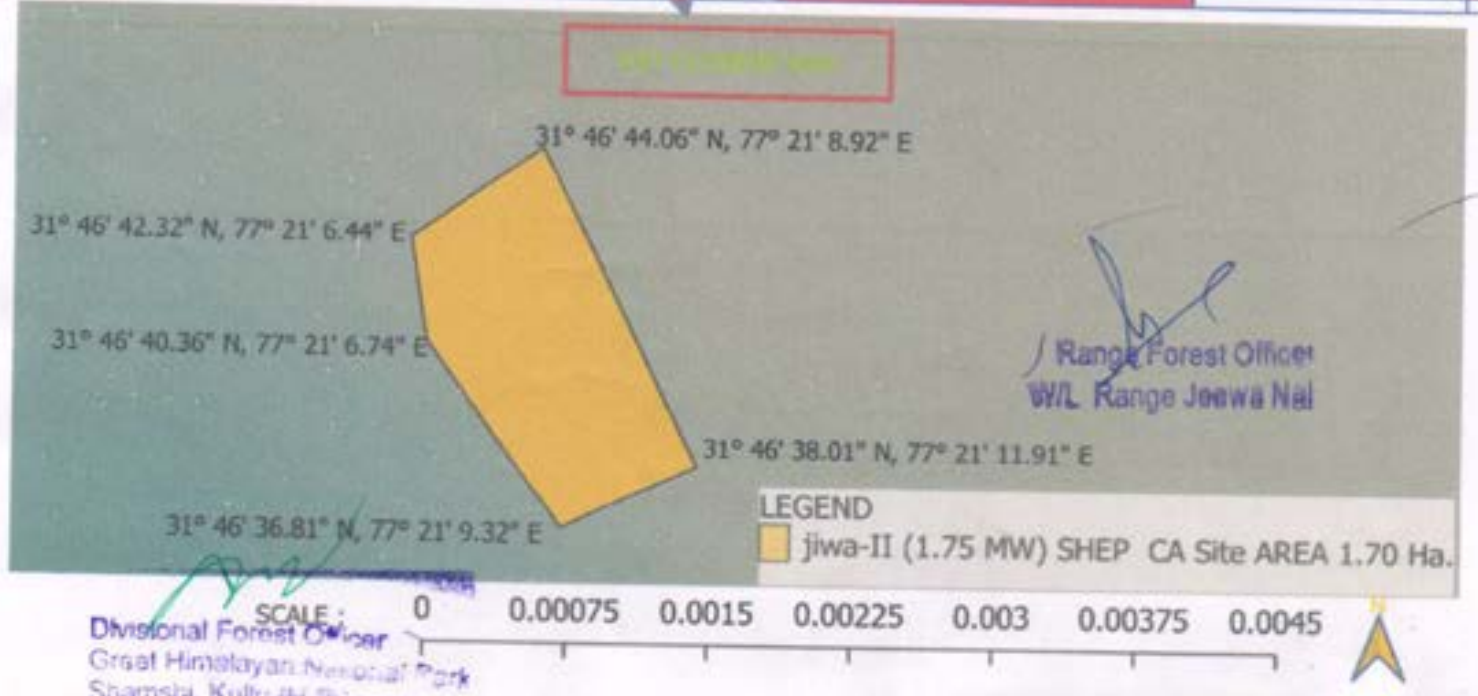
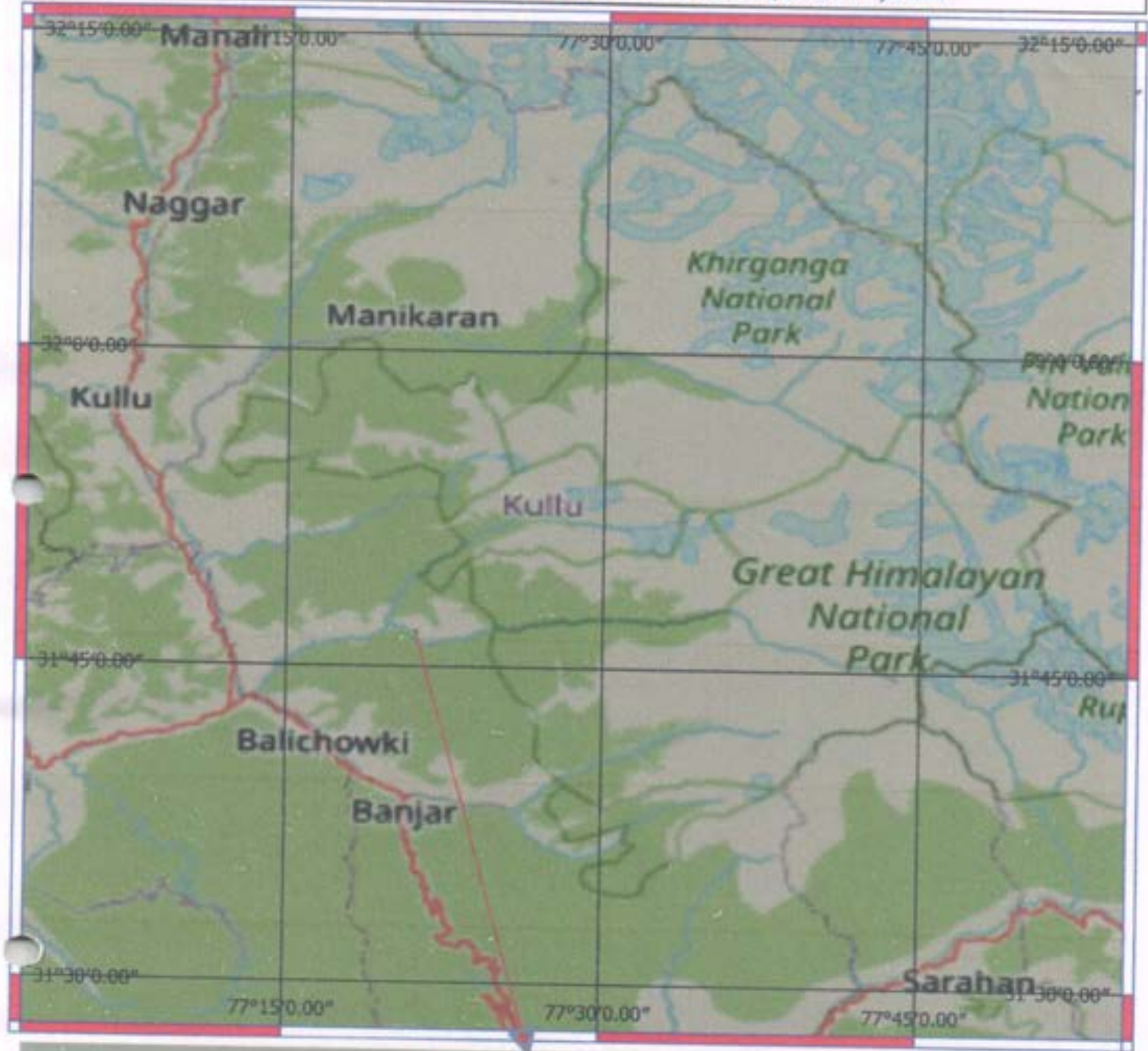
CA SITE TOPOSHEET MAP OF JIWA-II SHEP (1.75 MW)



Range Forest Officer
WN Range Jeeva Nal

Toposheet No. 53 E/5

DIGITAL MAP OF CA SITE AREA 1.70 HA. NEAR DHARMADA-II VILLAGE IN FAVOUR OF BEHAL MOTORS FOR THE CONSTRUCTION OF JIWA-II (1.75 MW) SHEP.



Full Title of Project:	Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No.	:
Proposal No.	: FP/HP/HYD/147118/2021
Date of Proposal	: 05/10/2021

CHECK LIST SERIAL NUMBER 18
"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed Scheme for Compensatory Afforestation to be carried diversion of forest land $0.8223 \times 2 = 1.6446$ or say 1.70 ha. for the construction of Jiwa-II (1.75 MW) SEHP with in jurisdiction under Jiwana Forest Range, GHNP, Shamshi Forest division in Kullu District.

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

Village:- Dharmanda-II/ Karahila(UPF) 124 Sub-Tehsil:- Sainj District:- Kullu

Name of Forest Division: - **GHNP, Shamshi** Range:- **Jiwanal**

Block/ Compartment/ Survey No. Karahila(UPF) 124/ 53E/5

Area to be afforested:- 1.70 Ha.

2. Description of area:-

- i. Whether the site selected for compensatory afforestation is a land bank or not:- **Yes**
- ii. If the CA site is other than the land bank, reasons be given:- **No**
- iii. In case of non forest area identified in from A, then what is the distance of CA site from the adjoining forest boundary :-
- iv. Soil type:- **loamy**
- v. Topography :- a) Hilly
b) **Medium**
- vi. Whether the area is bearing any root stock of vegetation:- **yes**

Plantation Model:- Departmental

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

- ### 3. Schedule of Plantation Programme:-

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

1 Schedule for Plantation Programme.

Detail of year wise break up of requirement of funds is as under :-		
Sr. No.	Year	Rate
	New Plantation	99820
1	1st Year Maintenance	14230
2	2nd Year Maintenance	11540
3	3rd Year Maintenance	8870
4	4th Year Maintenance	8870
5	5th Year Maintenance	8870
6	6th Year Maintenance	8870
7	7th Year Maintenance	8870
8	8th Year Maintenance	8870
9	9th Year Maintenance	8870
10	10th Year Maintenance	8870
Grand Total		196550
Area to be taken for Compensatory Afforestation (0.8223 Hectare X 2 Times)		0.8223 Ha.
Area to be taken for Compensatory Afforestation (0.8223 Hectare X 2 Times)		1.6446
Or Say		1.70 ha.
Tree to be Planted Per Hectare		1000
Tree to be Planted In Total Compensatory Afforestation Area		1700
Cost of Compensatory Afforestation		334135
Add 17.50 % Departmental Charged		58473.63
Add 5% contingency charges		16706.75
Grand Total		409315.38
Or Say		409320

4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

a) **General Details:** - The land bank indentified in Karahila (UPF) 124 is bank patches where coniferous species will be planted at the pit 30x30X30 cm size respectively. The area will be protected by barbed wire fencing.

b) **Spacing :-**

Coniferous Deo 3X3 mtr

(c) **Species :-** Coniferous

(d) **Plantation Method:-** Contour Planting.

(e) **Soil Moisture Conservation Works:-** M.R.I. included in the C.A

(f) **Protection (Fencing , Watchman, People's Participation etc.)**

(g) **Proposed Monitoring Mechanism :-** Department .

(h) **Any other information :-** Nil

Forest Range Officer (Wildlife)
Jawal Forest Range
WIL Range

Divisional Forest Officer
Great Himalayan National Park
Shamsi, Kullu (H.P.)

Check List Sr. No-18

Detailed Scheme for Compensatory Afforestation to be carried out for the diversion of 0.8223 hac of forest land for the construction of JIWA-II (1.75 MW) SHP within the jurisdiction under Forest Range Jiwa Nallah, GHNP Forest Division at Shamshi. (Total 1700 trees / plants to be planted over 1.70 hectare). (COST MODEL: 1000 PLANTS PER HECTARE)

Sr. No.	Particulars of Works	Unit	Qty.	Mandays involved	Amount at wage rate of Rs. 300/- for non Tribal areas.
A	Survey, Demarcation & Fencing				
1	Survey and demarcation of plantation area	Hec.	1	0.67	201.00
2	Preparation/ Purchase of RCC fence post	Nos.	50	Rs.358.00 per No.	17900.00
3	Carriage of RCC Fence Post upto 165 cm long over a distance of 2KM uphill/downhill	Nos.	50	22.33	6699.00
4	Preparation/Digging of holes of 20x30x50xcm for fixing of fence	Nos.	50	3.02	906.00
5	Fixing of RCC fence posts in concrete i/c strutting	Nos.	50	2.39	717.00
6	Carriage of B/wire over distance 2Km uphill/downhill	per Km per qntl.	0.75	0.74	222.00
7	Stretching and fixing of Barbed wire in 4 stands	Rmt.	600	19.2	5760.00
8	Interlacing of thorny bushes along the fence	Rmt.	150	4.09	1227.00
9	Cost of Barbed wire	Qntl.	0.75	Rs.6510.00 per Qntl.	4882.50
Total-A/Survey, Demarcation & Fencing					38514.50
Or Say					38520.00
B	Planting				
1	Bush cutting in strip (3mX3m)	Hec.	1	7.95	2385.00
2	Digging of pits of 45x45x45cm size	Nos.	1000	63.60	19080.00
3	Filling of pits of 45x45x45cm size	Nos.	1000	18.13	5439.00
4	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	1000	25.33	7599.00
5	Planting of plants raised in P/bags	Nos.	1000	14.53	4359.00
6	Construction of Inspection Path	Rmt.	100	7.33	2199.00
7	Cost of Sign Board, Carriage & Fixing	No.	1	LS	450.00
Total:- B/Planting					41511.00
Or Say					41520.00
C	Cost of P/bags plants	Nos.	1000	19.78	19780.00
Total Cost of New Plantation (A+B+C)					99820.00
Or Say					99820.00
D	1st Year Maintenance (30% Beating up)				
1	Re-digging of pits 45x45x45 cm	Nos.	300	9.53	2859.00
2	Filling of pits 45x45x45cm	Nos.	300	5.43	1629.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill/plant	Nos.	300	4.36	1308.00
4	Planting of plants raised in P/bags	Nos.	300	7.60	2280.00
5	Repair of fencing	Rmt	60	0.72	216.00
6	Cost of P/bags plants	Nos.	300	19.78	5934.00
G. Total					14226.00
Or Say					14230.00
	2nd Year Maintenance (20% Beating up)				
1	Re-digging of pits 45x45x45 cm	Nos.	200	6.36	1908.00
2	Filling of pits 45x45x45cm	Nos.	200	3.62	1086.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	200	2.90	870.00

4	Planting of P/bags plants	Nos.	200	5.06	1518.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	No.	200	19.78	5934.00
G. Total					11532.00
Or Say					11540.00
3rd Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	954.00
2	Filling of pits 45x45x45cm	Nos.	100	1.80	540.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	435.00
4	Planting of P/bag plants	Nos.	100	2.63	789.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	Nos.	100	19.78	5934.00
Total					8868.00
Or Say					8870.00
4th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	954.00
2	Filling of pits 45x45x45cm	Nos.	100	1.80	540.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	435.00
4	Planting of P/bag plants	Nos.	100	2.63	789.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	Nos.	100	19.78	5934.00
Total					8868.00
Or Say					8870.00
5th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	954.00
2	Filling of pits 45x45x45cm	Nos.	100	1.80	540.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	435.00
4	Planting of P/bag plants	Nos.	100	2.63	789.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	Nos.	100	19.78	5934.00
Total					8868.00
Or Say					8870.00
6th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	954.00
2	Filling of pits 45x45x45cm	Nos.	100	1.80	540.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	435.00
4	Planting of P/bag plants	Nos.	100	2.63	789.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	Nos.	100	19.78	5934.00
Total					8868.00
Or Say					8870.00
7th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	954.00
2	Filling of pits 45x45x45cm	Nos.	100	1.80	540.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	435.00
4	Planting of P/bag plants	Nos.	100	2.63	789.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	Nos.	100	19.78	5934.00
Total					8868.00
Or Say					8870.00
8th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	954.00
2	Filling of pits 45x45x45cm	Nos.	100	1.80	540.00

3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	435.00
4	Planting of P/bag plants	Nos.	100	2.63	789.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	Nos.	100	19.78	5934.00
Total					8868.00
Or Say					8870.00
9th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	954.00
2	Filling of pits 45x45x45cm	Nos.	100	1.80	540.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	435.00
4	Planting of P/bag plants	Nos.	100	2.63	789.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	Nos.	100	19.78	5934.00
Total					8868.00
Or Say					8870.00
10th year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	954.00
2	Filling of pits 45x45x45cm	Nos.	100	1.80	540.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	435.00
4	Planting of P/bag plants	Nos.	100	2.63	789.00
5	Repair of fencing	Rmt.	60	0.72	216.00
6	Cost of P/bags plants	Nos.	100	19.78	5934.00
Total					8868.00
Or Say					8870.00
Total:- D/Maintenance Cost of 10 years					96730.00
Total Cost of New Plantation + Maintenance for 1000 plants per Hectare					196550.00
Area to be taken for Diversion (In Hectare)					0.8223
Area to be taken for Compensatory Afforestation (0.8223 Hectare X 2 Times)					1.6446
Or Say					1.7000
Tree to be Planted Per Hectare					1000
Tree to be Planted In Total Compensatory Afforestation Area					1700
Cost of Compensatory Afforestation					334135.00
Total					334135.00
Departmental Charges @ 17.50%					58473.63
Contingency charges @ 5%					16706.75
Grand Total					409315.38
Or Say					409320.00
(Rupees Four Lakhs Nine Thousand Three Hundred And Twenty Rupees Only)					

Range Forest Officer,
Jiwa Nalla Forest Range
W/L Range Jeewa Nai

Divisional Forest Officer,
GHNPS Shalaya National Park
Shamshi, Kullu (H.P.)

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

CHECK LIST SERIAL NUMBER: 20

"LAND SUITABILITY CERTIFICATE BY DFO (T)"

This is to certify that **1.70 ha.** land bearing Survey No./ Compartment No **53E/5 Karahila (UPF) 124** of village **Dharmada-II** Sub-Tehsil **Sainj** District **Kullu** , HP identified for Compensatory Afforestation is suitable for plantation from management point of view and is free and all sorts of encumbrances and encroachments

Place : Shamshi

Dated


Forest Range Officer (Wildlife)
Jivana Forest Range


Divisional Forest Officer
GHNP, Shamshi Distt. Kullu (HP)
Shamshi, Kullu (H.P.)

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No. :

Proposal No. : FP/HP/HYD/147118/2021

Date of Proposal : 05/10/2021

LAND BANK CERTIFICATE

In respect of diversion of diversion of $0.8223 \times 2 = 1.6446$ ha. or say **1.70** ha. forest land for the construction of Jiwa-II SHEP (1.75 MW) SEHP in **Kullu** District, Forest Range Jiwanal., GHNP, Shamshi Forest Division Distt. Kullu

Certified that 1.70 hec. area selected for CA in near Village Dharmanda-II Karahila (UPF) 124 (53E/5) is an identified compact land bank. The area is suitable from protection and management point of view.


Range Forest Officer (Wildlife)
Jiwanal Forest Range


Divisional Forest Officer
Gangotri National Park
Shamshi, Kullu (H.P.)

Certificate of Non-Availability of land for Compensatory Afforestation in the District Kullu.

No: 2008 /DRA

Dated: 17/10/2021

I, Ashutosh Garg, Collector of District Kullu do hereby certify that:

- (i) Relevant records pertaining to non-forest land, revenue lands, *zudpi jungle*, *chhote jhar ka jungle*, *bade jhar ka jungle*, *jhari-land*, *civil-soyam* lands and all other such categories of forest lands (except the forest land under management and administrative control of the Forest Department) on which the provisions of Forest (Conservation) Act, 1980 are applicable, available in each Sub-Division of this District have been examined; and
- (ii) I have also conducted such further enquiry as is required to satisfy myself for issue of this certificate.

On the basis of examination of all relevant records and such further enquiry, as was required for issue of this certificate, I do hereby certify that non-forest land, revenue lands, *zudpi jungle*, *chhote jhar ka jungle*, *bade jhar ka jungle*, *jungle jhari-land*, *civil-soyam* lands and all other such categories of forest lands (except the forest land under management and administrative control of the Forest Department) on which the provisions of Forest (Conservation) Act, 1980 are applicable, which as per the extant guidelines of the Central Government may be utilized for creation of compensatory afforestation in lieu of forest land diverted for non-forest purpose, is not available in the entire Kullu District. This Certificate is being issued in favour of M/s Behal Motors, Plot no. 6, 7 Industrial area, Phase 3, Sauli Khad, Mandi, (HP) for construction of JIWA-II (1.75) Small Hydro Power Electric Project, in Sub-Tehsil Sainj, District Kullu under jurisdiction of Divisional Forest Officer, GHNP, Shamshi, District Kullu (HP) for which 0.8223 hectare Forest land is acquired in Sub-Tehsil Sainj, District Kullu (HP).

Issued under my hand and seal on this 18th day of October, 2021.

(Ashutosh Garg, IAS)
District Collector
Kullu

For BEHL MOTORS

Satya Kumar
Auth. Signatory

93
Divisional Forest Officer
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

Full Title of Project:

Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No.

Proposal No.

Date of Proposal

: FP/HP/HYD/147118/2021

: 05/10/2021

Check List No 28

Dumping Sites and Reclamation Plans

There is muck Generation, hence muck dumping sites are required. Detailed Reclamation plan along with Muck Dumping sites and with their cross section has been attached.

Date:

Place: Shamshi

Authorized Signatory

For BEHL MOTORS
Deepu Sharma
Auth. Signatory
Behal Motors
Jiwa-II SHEP (1.75 MW)

9/5
[Signature]
Divisional Forest Officer
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

RECLAMATION MUCK DUMPING PLAN FOR JIWA-II SHEP (1.75 MW)															
Sr. No.	Name Of Component From Where Muck Is To Be Produced	Provided Size Of Land In sqm	Actual Size Of Component In sqm	Total Qty. Of Muck Is To Be Produced (In cum)	Factor Of Increase In Volume After Excavation	Total Qty. Of Muck To Be Dumped On The Basis Of Increased Qty In cum	Qty Of Muck To Be Utilized (In cum)	Total Qty Of Muck Remaining After Utilization	Name Of Dumping Place	Size Of Muck Dumping in sqm	Area Of Dumping Place In sqm	Height Of Muck Dumping	Capacity Of Muck To Be Dumped cum	Remaining Capacity In Remarks	
1	Diversion Wall	19.88 X 11.36	15.00 X 8.00	126.00	40%	174.00	60.00	114.00					494.02	180.52	Out Of Total Muck Generated About 15% Shall Be Used In Construction Of concrete Promenade Of Diversion Wall, Retaining Walls, Dredging Tank, Silt Flushing & Repair Of The Muck Including Silt Flushing (15%) Shall Be Dumped In Muck Dumping Site II.
2	Intake Tank	8.52 X 2.84	5.00 X 2.0	10.00	40%	14.00	7.00	3.00	Muck Dumping Site - I near Water side	10.88 X 7.10	141.144	3.50	180.02	166.78	
3	WCS-1	13.36 X 2.84	11.36 X 2.84	40.00	40%	56.00	37.00	13.00					166.78	153.78	
4	Dredging Tank	24.08 X 9.10	14.32 X 0	170.00	40%	238.00	86.28	151.72	Muck Dumping Site - II near Dredging Tank	10.88 X 7.10	141.144	3.50	133.79	118.79	
5	Steam Pipe	22.72 X 1.42	22.72 X 1.0	32.72	40%	45.81	13.57	32.24					117.58	85.31	
6	WCS-2	10.18 X 2.84	10.18 X 0.5	100.87	40%	141.22	119.22	22.00	Muck Dumping Site - III/V IN WCS-2	10.88 X 2.44	56.4302	4.50	1254.07	1232.07	
7	Fireclay Tank	19.88 X 7.10	17.00 X 5.0	125.00	40%	175.00	129.48	45.52	Muck Dumping Site - IV Near Fireclay Tank	10.88 X 12.78	254.0644	1.5	181.16	135.64	
8	Penstock	139.16 X 2.84	139.16 X 3.0	417.42	40%	584.39	36.42	547.97					1207.27	1246.21	Out Of Total Muck Generated About 15% Shall Be Used In Promenade, Retaining Walls and Repair Of The Muck Including Silt Flushing (15%) Shall Be Dumped In Muck Dumping Site VI.
9	Promenade Canal Switchyard	15.0 X 21.0	12.00 X 18	216.00	40%	302.40	166.14	136.26	Muck Dumping Site - VI near Fireclay tank	25.36 X 15.62	399.2472	3.5	1166.25	1030.00	
10	Tail Race	25.36 X 1.42	25.36 X 1.0	35.12	40%	49.17	25.94	23.23					180.45	157.22	
11	Interconnection Point	7.00 X 7.00	5 X 5.0	25.00	40%	35.00	12.00	23.00	Muck Dumping Site - VII adjacent	10.88 X 9.54	197.6272	3	162.82	139.82	
12	Proposed Road upto Power House Site	237.40 X 2.84		674.20	40%	943.88	1718.80	1049.60					160.26	153.24	
13	Total			3789.31		5204.80	4976.88	1207.92							
Components Remaining Muck of MDS, VSD AND ILTP are 624.00				3789.31											
Total Qty. Of Muck Is To Be Produced (In cum)				3789.31	(cum)				Total Qty. Of Muck To Be Dumped On The Basis Of Increased Qty In cum =						
Qty of Muck To Be Utilized (In cum) =				4976.88	(cum)				Total Qty Of Muck Remaining After Utilization =						
Total Area Of Dumping Place In sqm =				1260.25	(sqm)				Total Capacity Of Muck To Be Dumped =						
									</						

**Detail of Muck Dumping sites in respect of JIWA-II 1.75 MW SHEP in Forest Range
Jiwanala , GHNP Shamshi Forest Division in Distt. Kullu (H.P.)**

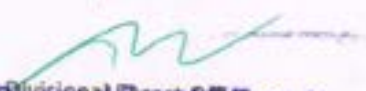
Sr. No.	Name of Dumping Site	Location	Length in m	Width in m	Area in sqm	Height in m	Capacity of Dumping in cum	Remarks
1	Muck Dumping Site -1	Near Intake Tank	19.88	7.1	141.148	3.5	494.02	Forest Land
2	Muck Dumping Site -2	Near Desilting Tank	19.88	7.1	141.148	3.5	494.02	Forest Land
3	Muck Dumping Site -3	Near Water Channel	9.94	7.1	70.574	4.5	317.58	Forest Land
4	Muck Dumping Site -4	Near Water Channel	19.88	2.84	56.4592	4.5	254.07	Forest Land
5	Muck Dumping Site -5	Near Foreby Tank	19.88	12.78	254.0664	1.5	381.10	Forest Land
6	Muck Dumping Site -6	Near Power House	25.56	15.62	399.2472	3.5	1397.37	Forest Land
7	Muck Dumping Site -7	Near Rod Cum Transmission Line-III	19.88	9.94	197.6072	3	592.82	Forest Land
	Total				1260.25		3930.97	

Date

Place - Kullu

For BEHL MOTORS

Dr. Arjun Sharma
Auth. Signatory

9/5

Divisional Forest Officer
Great Himalayan National Park
GHNP Shamshi Distt. Kullu (HP)
Shamshi, Kullu (H.P.)

Reclamation Plan

Reclamation plan of Muck Dumping Site areas in respect of JIWA-II SHEP (1.75 MW) Falling under forest rang Jiwanala, GHNP Shamshi forest division , Distt. Kullu, Himachal Pradesh

The reclamamation plan has been prepared as per proposal about 5789.31 cum (8394.50 cum including 45% swell factor) of muck will be generated form various components, out of which about 4976.55 cum of muc will supposed to be utilized in various projects components for construction of retaining walls, breast walls etc. for strengthening of components and rest of muck 3417.95 (including 45% swell factor) will be dumped in ten dumping sites as shown in the proposal. As per requirement 1260.25 sqm area hs been taken at two different places for dumping of muck in forest area for dumping site. The overall capacity of muck dumping sites 3930.97 cum is more than the muck to be dumped 3417.95 cum. Therefore to stabilize the muck in well protected manner, the work shall be done as under:-

ESTIMATE FOR RECLAMATION OF DUMPING AREA FOR JIWA-II SHEP 1.75 MW

Sr. No.	Item of Work	Description	Quantity	Unit	Rate in Rs.	Amount in Rs.	Total Amount in Laes	Remarks
19.88	7.1	MDS - 1						2.20
1	MDS - 1	Excavation in all kinds of soil for foundations of Retaining Walls	89.97	cum	180.00	16194.82		m Base Width of
2		Plain Cement Concrete in foundations 1:6:12 (1Cement : 6 Sand : 12 Aggregate 40mm nominal dia)	11.25	cum	4760.00	53532.86		Random Rubble Stone Masonary,
3		Random Rubble Stone Masonary in cm 1:6 (1Cement : 6 Sand)	190.85	cum	2954.00	563764.99		
4		Laying a layer 30cm fertile soil over the dumped muck i/c watering and Ramming.	42.34	cum	180.00	7621.99		1.00
5		P/L a layer of Geo - membrane over the freshly laid soil.	141.15	sqm	230.00	32464.04		m Top Width and
6		Planting locally grow able shrubs & trees.	141.15	sqm	24.00	3387.55		3.50
7		Periodic watch, ward and maintenance charges for seven years.	141.15	sqm	18.00	2540.66	6.80	m Avg Height
19.88	7.1	MDS - 2						2.20
1	MDS - 2	Excavation in all kinds of soil for foundations of Retaining Walls	112.46	cum	180.00	20243.52		m Base Width of
2		Plain Cement Concrete in foundations 1:6:12 (1Cement : 6 Sand : 12 Aggregate 40mm nominal dia)	11.25	cum	4760.00	53532.86		Random Rubble Stone Masonary,
3		Random Rubble Stone Masonary in cm 1:6 (1Cement : 6 Sand)	190.85	cum	2954.00	563764.99		
4		Laying a layer 30cm fertile soil over the dumped muck i/c watering and Ramming.	42.34	cum	180.00	7621.99		1.00
5		P/L a layer of Geo - membrane over the freshly laid soil.	141.15	sqm	230.00	32464.04		m Top Width and
6		Planting locally grow able shrubs & trees.	141.15	sqm	24.00	3387.55		3.50
7		Periodic watch, ward and maintenance charges for seven years.	141.15	sqm	18.00	2540.66	6.84	m Avg Height

9.94	7.1	MDS - 3						2.20
1	MDS - 3	Excavation in all kinds of soil for foundations of Retaining Walls	79.66	cum	180.00	14339.16		m Base Width of
2		Plain Cement Concrete in foundations 1:6:12 (1Cement : 6 Sand : 12 Aggregate 40mm nominal dia)	7.97	cum	4760.00	37919.11		Random Rubble Stone Masonary,
3		Random Rubble Stone Masonary in cm 1:6 (1Cement : 6 Sand)	173.81	cum	2954.00	513428.83		
4		Laying a layer 30cm fertile soil over the dumped muck i/c watering and Ramming.	21.17	cum	180.00	3811.00		1.00
5		P/L a layer of Geo - membrane over the freshly laid soil.	70.57	sqm	230.00	16232.02		m Top Width and
6		Planting locally grow able shrubs & trees.	70.57	sqm	24.00	1693.78		4.50
7		Periodic watch, ward and maintenance charges for seven years.	70.57	sqm	18.00	1270.33	5.89	m Avg Height
19.88	2.84	MDS - 4						2.20
1	MDS - 4	Excavation in all kinds of soil for foundations of Retaining Walls	67.48	cum	180.00	12146.11		m Base Width of
2		Plain Cement Concrete in foundations 1:6:12 (1Cement : 6 Sand : 12 Aggregate 40mm nominal dia)	8.43	cum	4760.00	40149.65		Random Rubble Stone Masonary,
3		Random Rubble Stone Masonary in cm 1:6 (1Cement : 6 Sand)	184.03	cum	2954.00	543630.53		
4		Laying a layer 30cm fertile soil over the dumped muck i/c watering and Ramming.	16.94	cum	180.00	3048.80		1.00
5		P/L a layer of Geo - membrane over the freshly laid soil.	56.46	sqm	230.00	12985.62		m Top Width and
6		Planting locally grow able shrubs & trees.	56.46	sqm	24.00	1355.02		4.50
7		Periodic watch, ward and maintenance charges for seven years.	56.46	sqm	18.00	1016.27	6.14	m Avg Height
19.88	12.78	MDS - 5						2.20
1	MDS - 5	Excavation in all kinds of soil for foundations of Retaining Walls	149.95	cum	180.00	26991.36		m Base Width of
2		Plain Cement Concrete in foundations 1:6:12 (1Cement : 6 Sand : 12 Aggregate 40mm nominal dia)	15.00	cum	4760.00	71377.15		Random Rubble Stone Masonary,
3		Random Rubble Stone Masonary in cm 1:6 (1Cement : 6 Sand)	109.06	cum	2954.00	322151.42		
4		Laying a layer 30cm fertile soil over the dumped muck i/c watering and Ramming.	76.22	cum	180.00	13719.59		1.00
5		P/L a layer of Geo - membrane over the freshly laid soil.	254.07	sqm	230.00	58435.27		m Top Width and
6		Planting locally grow able shrubs & trees.	254.07	sqm	24.00	6097.59		1.50
7		Periodic watch, ward and maintenance charges for seven years.	254.07	sqm	18.00	4573.20	5.03	m Avg Height

25.56	15.62	MDS - 6						2.20
1	MDS - 6	Excavation in all kinds of soil for foundations of Retaining Walls	149.95	cum	180.00	26991.36		m Base Width of
2		Plain Cement Concrete in foundations 1:6:12 (1Cement : 6 Sand : 12 Aggregate 40mm nominal dia)	18.74	cum	4760.00	89221.44		Random Rubble Stone Masonary,
3		Random Rubble Stone Masonary in cm 1:6 (1Cement : 6 Sand)	318.08	cum	2954.00	939608.32		
4		Laying a layer 30cm fertile soil over the dumped muck i/c watering and Ramming.	119.77	cum	180.00	21559.35		1.00
5		P/L a layer of Geo - membrane over the freshly laid soil.	399.25	sqm	230.00	91826.86		m Top Width and
6		Planting locally grow able shrubs & trees.	399.25	sqm	24.00	9581.93		3.50
7		Periodic watch, ward and maintenance charges for seven years.	399.25	sqm	18.00	7186.45	11.86	m Avg Height
19.88	9.94	MDS - 7						2.20
1	MDS - 7	Excavation in all kinds of soil for foundations of Retaining Walls	131.21	cum	180.00	23617.44		m Base Width of
2		Plain Cement Concrete in foundations 1:6:12 (1Cement : 6 Sand : 12 Aggregate 40mm nominal dia)	13.12	cum	4760.00	62455.01		Random Rubble Stone Masonary,
3		Random Rubble Stone Masonary in cm 1:6 (1Cement : 6 Sand)	190.85	cum	2954.00	563764.99		
4		Laying a layer 30cm fertile soil over the dumped muck i/c watering and Ramming.	59.28	cum	180.00	10670.79		1.00
5		P/L a layer of Geo - membrane over the freshly laid soil.	197.61	sqm	230.00	45449.66		m Top Width and
6		Planting locally grow able shrubs & trees.	197.61	sqm	24.00	4742.57		3.00
7		Periodic watch, ward and maintenance charges for seven years.	197.61	sqm	18.00	3556.93	7.14	m Avg Height
Total Cost to Develop all Muck Dumping Sites							49.70	

- A) This part of construction of chec walls with wire crates stones and filling of excavated material shll be done by the user agency itself. As per proposal Rs. 49.70 Lakhs is proposed for civil engineering works. These works will be carried out before dumping the muck at dumping site.
- B) The second part for raising suitable plantation etc. on the muck dumping sites shall be implemented by the Forest Development at the cost of user agency. As per the proposal Rs **175865 (Rupees One Lakhs Seveny Five Thousand Eight Hundred And Sixty Five Only)** with the forest department for raising suitable plantation. Necessary rehabilitation measures for the unused dumping material at different sites shall be carried out by afforestation to provide vegetation cover there on.

Date :

Place : Kullu

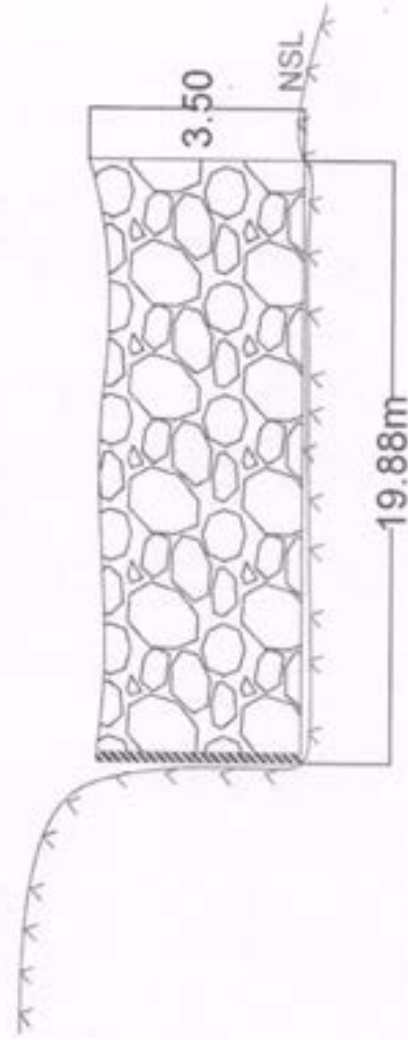
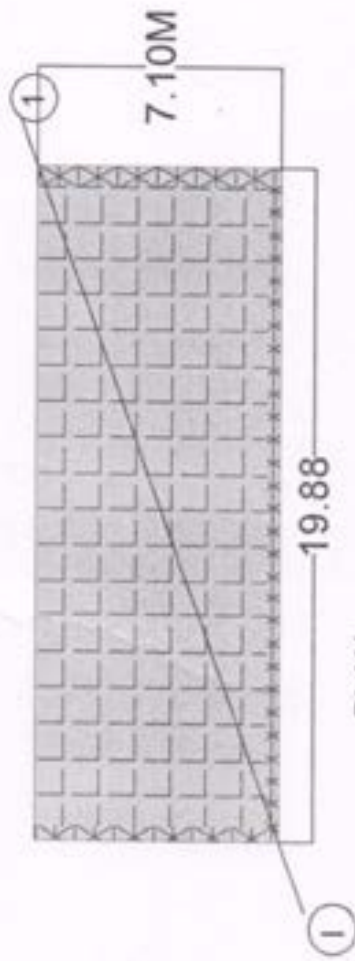
Counter Signed By

For BEHL MOTORS

Deepu Sharma
Authorized Signatory

9/5

Divisional Forest Officer
Great Himalayan National Park
GHNP, Shimshu, Dist. C. Kullu (HP)
Shimshu, Kullu (H.P.)



AREA-19.88MX7.10M
=141.148M²
H-3.50M
QTY=141.148M²X3.50M
=494.02M³

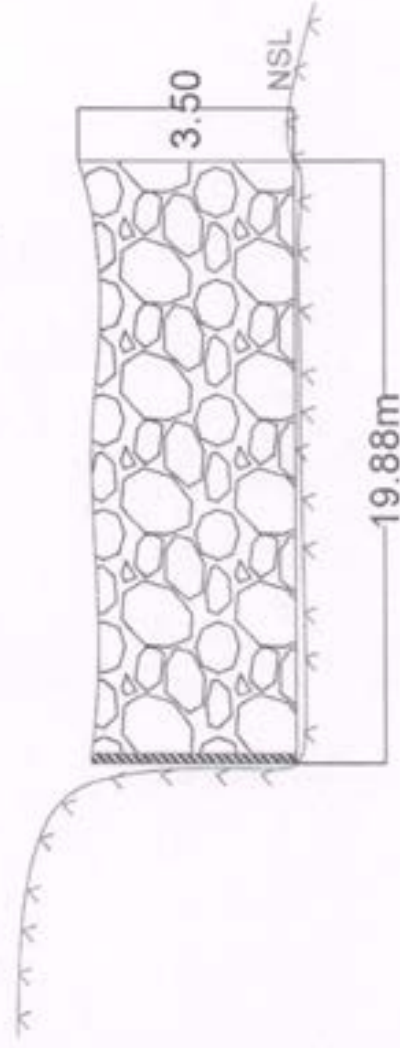
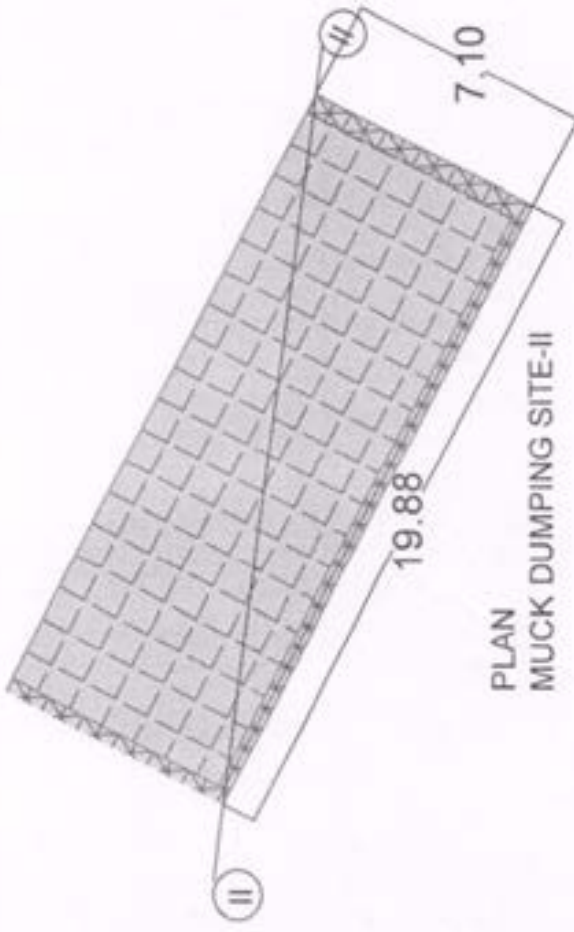
DETAIL OF MUCK DUMPING
SITE-I NEAR WEIR SITE
M/S BEHL MOTORS

JIWA-II SHEP 1.75MW

For BEHL MOTORS

Deepak Sharma
Auth. Signatory

Joint Forest Officer
Great Himalayan National Park
Shimshu, Kullu (H.P.)-175126



AREA-19.88MX7.10M
=141.148M²
H-4.50M
QTY=141.14M²X3.50M
=494.02M³

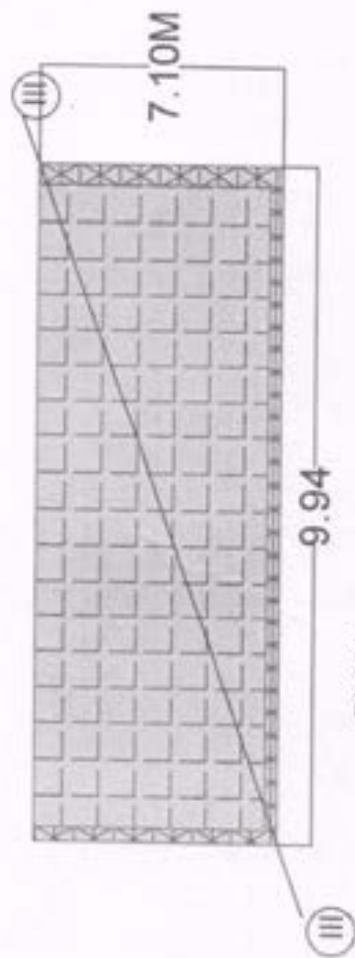
DETAIL OF MUCK DUMPING
SITE-II NEAR D-TANK
M/S BEHL MOTORS

JIWA-II SHEP 1.75MW
FOR BEHL MOTORS

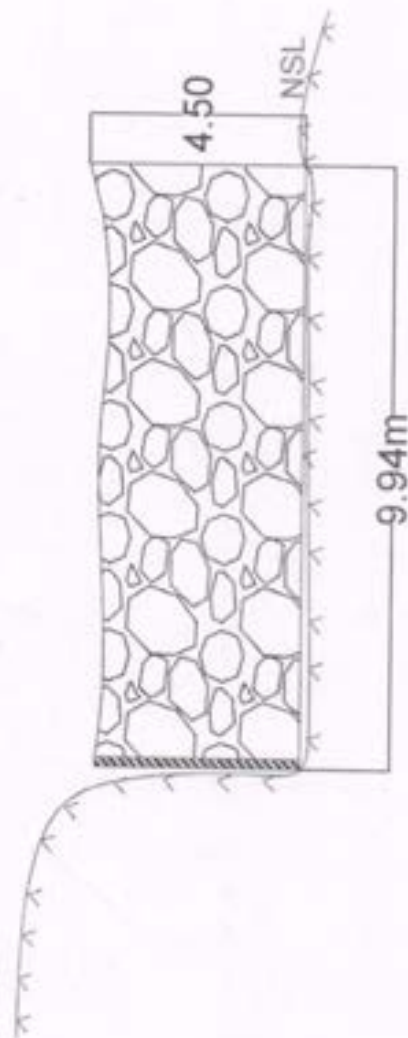
Divisional Forest Officer
Great Himalayan National Park
Shamschi, Kullu (H.P.)-175126

For BEHL MOTORS
Signature
Auth. Signature

25



PLAN
MUCK DUMPING SITE-III



AREA-9.94MX7.10M
=70.574M²
H-4.50M
QTY=170.574M²X4.50M
=317.58M³

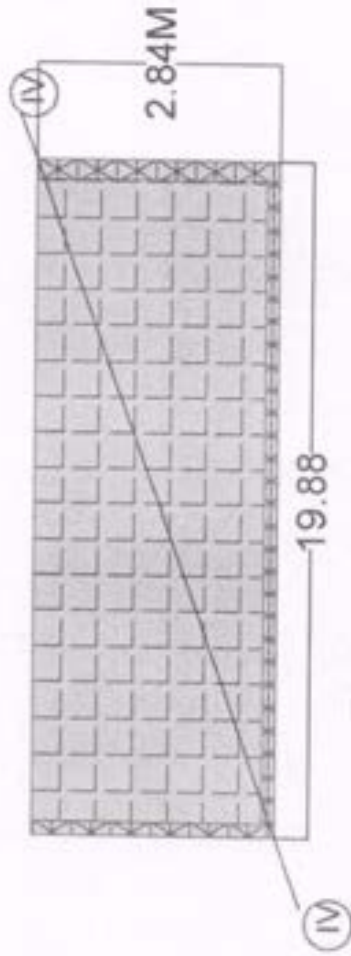
DETAIL OF MUCK DUMPING
SITE-III NEAR WCS-2 SITE
M/S BEHL MOTORS

JIWA-II SHEP 1.75MW

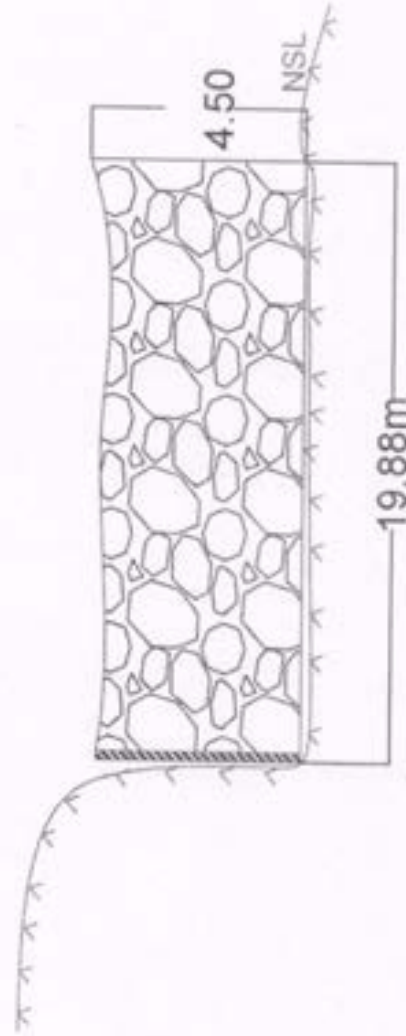
Divisional Forest Officer
Great Himalayan National Park
Shamchi, Kully (H.P.)-175126

For BEHL MOTORS

Dr. P. D. Sharma
Auth. Signatory



PLAN
MUCK DUMPING SITE-IV



AREA-19.88MX2.84M
=56.45M²
H-4.50M
QTY=56.45M²X4.5M
=254.07M³

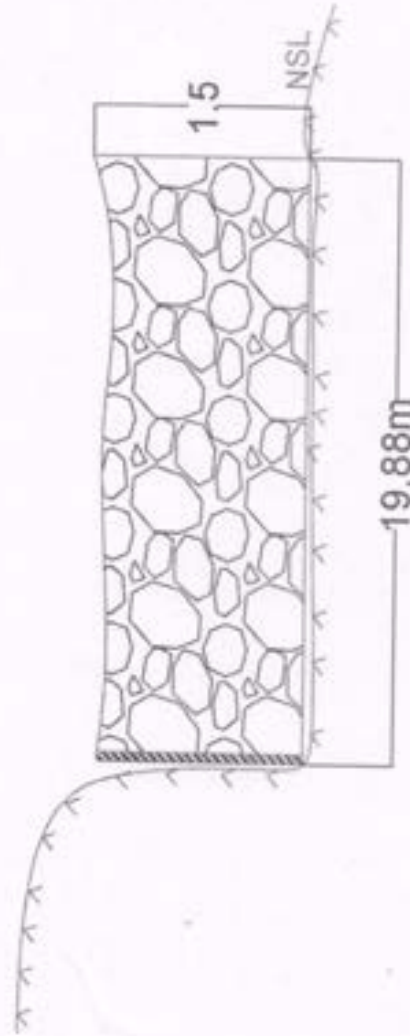
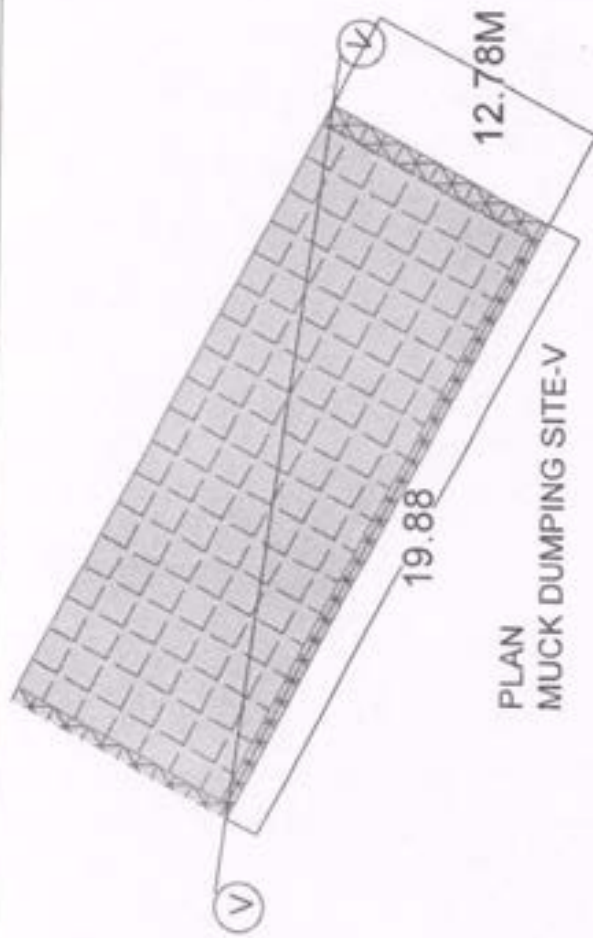
DETAIL OF MUCK DUMPING
SITE-IV NEAR WCS-2 SITE
M/S BEHL MOTORS

JIWA-II SHEP 1.75MW

Divisional Forest Officer
Grewi Himalayan National Park
Shamshi, Kullu (H.P.)-175126

For BEHL MOTORS

Dr. P. Sharma
Auth. Signature



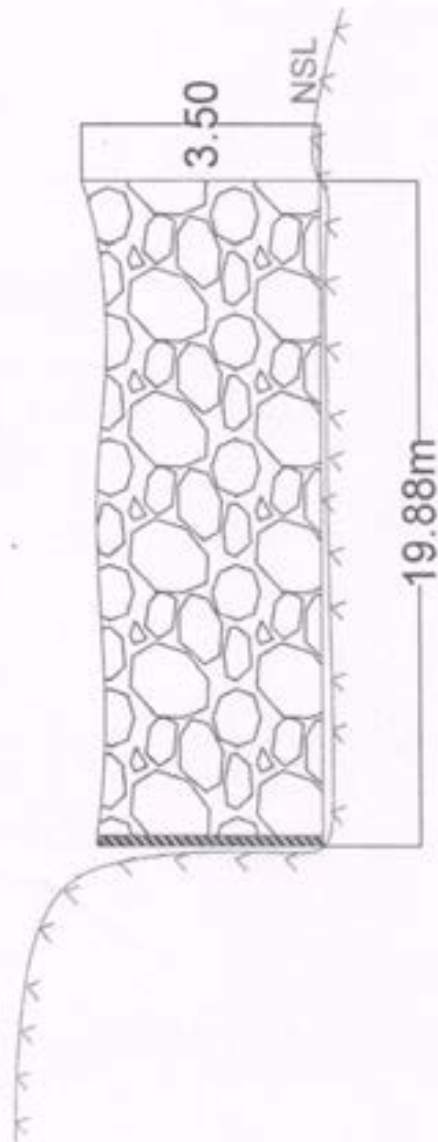
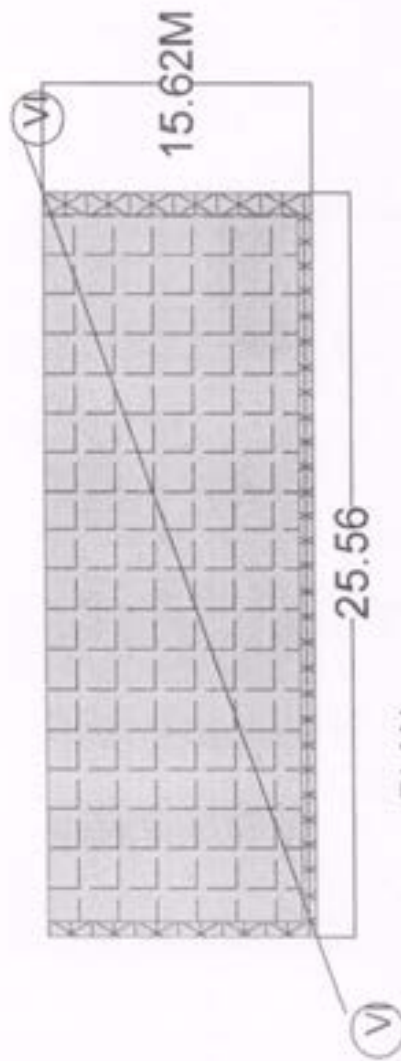
AREA-19.88MX12.78M
=254.066M²
H-1.50M
QTY=254.066M²X1.50M
=381.10M³

DETAIL OF MUCK DUMPING
SITE-V NEAR FOREBAY
SITE
M/S BEHL MOTORS
JIWA-II SHEP 1.75MW

For BEHL MOTORS
Signature: *Shewary*
Auth. Signatory

Forest Officer

Shanghi, Kullu (H.P.)-175126



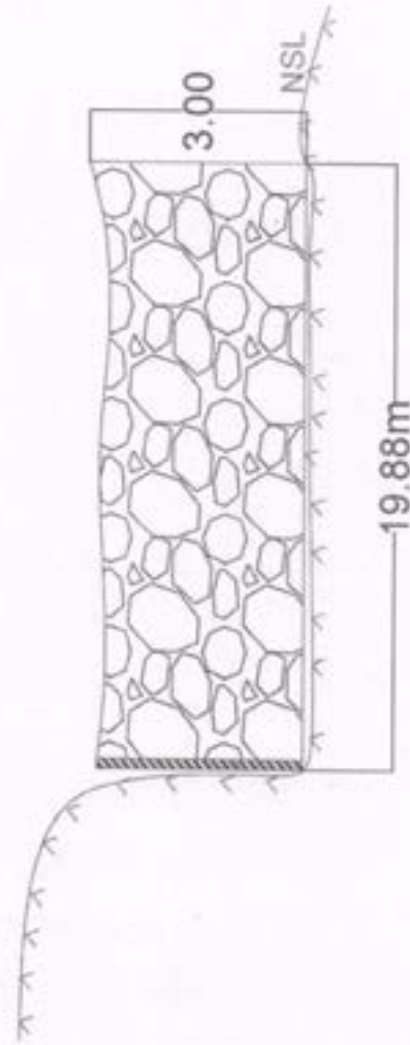
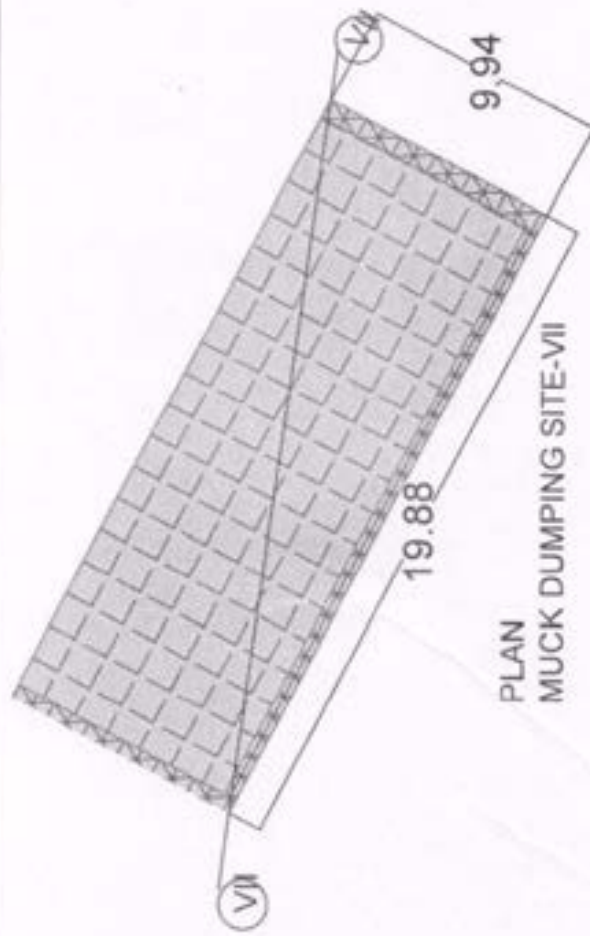
AREA-25.56MX15.62M
=399.24M²
H-3.50M
QTY=399.24M²X3.50M
=1397.37M³

DETAIL OF MUCK DUMPING
SITE-VI NEAR POWER
HOUSE SITE
M/S BEHL MOTORS
JIWA-II SHEP 1.75MW

Divisional Forest Officer
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

For BEHL MOTORS

Dr. P. K. Sharma
Auth. Signatory



AREA-19.88MX9.94M
=197.60M²
H-3.00M
QTY=197.60M²X3.00M
=592.82M³

DETAIL OF MUCK DUMPING
SITE-VII NEAR ROAD SITE
M/S BEHL MOTORS
JIWA-II SHEP 1.75MW

Additional Forest Officer
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

FOR BEHL MOTORS

Dr. Shweta Sharma
Auth. Signatory

BILL FOR RECLAMATION PLAN

In respect of diversion of Forest land **0.8223 hectares** for the construction of **Jiwa-II (1.75 MW)** Small Hydro Project in Jiwa Nallah Forest Range, GHNP Forest Diversion Shamshi, Distt. Kullu H.P.

Sr. No.	Dumiping Site No.	Length	Width	Area in Sqm	Area in Ha.	Fence post	
1	Dumping Site-I	19.88	7.1	141.15	0.014	18	Nos.
2	Dumping Site-II	19.88	7.1	141.15	0.014	18	Nos.
3	Dumping Site-III	9.94	7.1	70.57	0.007	11	Nos.
4	Dumping Site-IV	19.88	2.84	56.46	0.006	15	Nos.
5	Dumping Site -V	19.88	12.78	254.07	0.025	22	Nos.
6	Dumping Site -VI	25.56	15.62	399.25	0.040	27	Nos.
7	Dumping Site-VII	19.88	9.94	197.61	0.020	20	Nos.
	Total				0.1260	132	Nos.
		Total Area		0.126	hectare		
Sr. No.	Particulars of Work	Quantity		Rate per Unit at the wage rate of Rs. 150/-	Amount @ Rs 150/- for Non-Tribal areas	Man Days involved	Amount at the wage rate of Rs 300/- for Non-Tribal areas
A	SURVEY, DEMARCATION & FENCING						
1	Survey & demarcation of plantation area	0.126	hec.	101	13	0.08	24
2	Preparation / purchase of RCC fence posts	132	Nos.	250	32897		32897
3	Carriage of RCC fanc posts upto 165 cm long over distance 2 km uphill/downhill	132	Nos. / km	33.5	8816	58.78	17633
4	Preparation /digging of holes of 20x30x50 cm size	132	Nos.	9.06	1192	7.95	2384
5	Fixing of RCC fence posts including strutting	132	Nos.	7.16	942	6.28	1884
6	Carriage of barbed wire over distance 2 km uphill/downhill	2.26	Qtls./ km	73.65	332	2.22	665
7	Stretching & fixing of barbed wire in 4 strands	1579.04	Rmt.	4.8	7579	50.53	15159
8	Interlacing of Thorny Bushes along the fence	394.76	Rmt.	4.09	1615	10.76	3229
9	Cost of Barbed Wire	2.26	Qtls.	6510	14685		14685
	Total-A/ Survey, Demarcation & Fencing						88559
	Or Say Rs						88560

B	PLANTING :-						
1	Bush Cutting in Strips (3mx3m)	0.126	hec.	1192.8	150	1.00	301
2	Digging of pits of 45x45x45 cm size	138	Nos.	9.54	1321	8.81	2642
3	Filling of pits of 45x45x45 cm size	138	Nos.	2.72	377	2.51	753
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	138	Nos.	1.9	526	3.51	1052
5	Planting of plant Raised in P/Bags	138	Nos.	2.18	302	2.01	604
6	Construction of Inspection Path	100	Rmt.	11	1100	7.33	2200
7	Cost of sign Board Carriage & Fixing		No.	l/s	450	7	3150
	Total- B/ Planting						10702
	Or Say Rs						10710
	Grand Total (A+B)						99270
	Cost of plants (22-00 per plant)	138	Nos.				3046
	Grand Total						102316
	Or Say Rs						102320
C	1st Year maintenance (30% Beating up)						
1	Re-digging of pits of 45x45 cm size	42	Nos.	4.77	198	1.32	396
2	Filling of pits 45x45x45 cm	42	Nos.	2.72	113	0.75	226
3	Planting of plants raised in P/Bags	42	Nos.	2.18	91	0.60	181
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	42	Nos./K m	1.9	158	1.05	316
5	Repair of B/Wire fencing	473.712	Rmt.	1.8	853	5.68	1705
6	Cost of plants (22-00 per plant)	42	Nos.	22	914		914
	Total						3738
	Or Say Rs						3740
D	2nd Year maintenance (20% Beating up)						
1	Re-digging of pits of 45x45 cm size	28	Nos.	4.77	132	0.88	264
2	Filling of pits 45x45x45 cm	28	Nos.	2.72	75	0.50	151
3	Planting of plants raised in P/Bags	28	Nos.	2.18	60	0.40	121
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	28	Nos./K m	1.9	105	0.70	210
5	Repair of B/Wire fencing	315.808	Rmt.	1.8	568	3.79	1137
6	Cost of plants (22-00 per plant)	28	Nos.	22	609		609
	Total						2492
	Or Say Rs						2500

H	6th Year maintenance (10% Beating up)						
1	Re-digging of pits of 45x45 cm size	14	Nos.	4.77	66	0.44	132
2	Filling of pits 45x45x45 cm	14	Nos.	2.72	38	0.25	75
3	Planting of plants raised in P/Bags	14	Nos.	2.18	30	0.20	60
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	14	Nos./K m	1.9	53	0.35	105
5	Repair of B/Wire fencing	157.904	Rmt.	1.8	284	1.89	568
6	Cost of plants (22-00 per plant)	14	Nos.	22	305		305
	Total						1246
	Or Say Rs						1250
I	7th Year maintenance (10% Beating up)						
1	Re-digging of pits of 45x45 cm size	14	Nos.	4.77	66	0.44	132
2	Filling of pits 45x45x45 cm	14	Nos.	2.72	38	0.25	75
3	Planting of plants raised in P/Bags	14	Nos.	2.18	30	0.20	60
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	14	Nos./K m	1.9	53	0.35	105
5	Repair of B/Wire fencing	157.904	Rmt.	1.8	284	1.89	568
6	Cost of plants (22-00 per plant)	14	Nos.	22	305		305
	Total						1246
	Or Say Rs						1250
J	8th Year maintenance (10% Beating up)						
1	Re-digging of pits of 45x45 cm size	14	Nos.	4.77	66	0.44	132
2	Filling of pits 45x45x45 cm	14	Nos.	2.72	38	0.25	75
3	Planting of plants raised in P/Bags	14	Nos.	2.18	30	0.20	60
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	14	Nos./K m	1.9	53	0.35	105
5	Repair of B/Wire fencing	157.904	Rmt.	1.8	284	1.89	568
6	Cost of plants (22-00 per plant)	14	Nos.	22	305		305
	Total						1246
	Or Say Rs						1250

K 9th Year maintenance (10% Beating up)							
1	Re-digging of pits of 45x45 cm size	14	Nos.	4.77	66	0.44	132
2	Filling of pits 45x45x45 cm	14	Nos.	2.72	38	0.25	75
3	Planting of plants raised in P/Bags	14	Nos.	2.18	30	0.20	60
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	14	Nos./K m	1.9	53	0.35	105
5	Repair of B/Wire fencing	157.904	Rmt.	1.8	284	1.89	568
6	Cost of plants (22-00 per plant)	14	Nos.	22	305		305
Total							1246
Or Say Rs							1250
L 10th Year maintenance (10% Beating up)							
1	Re-digging of pits of 45x45 cm size	14	Nos.	4.77	66	0.44	132
2	Filling of pits 45x45x45 cm	14	Nos.	2.72	38	0.25	75
3	Planting of plants raised in P/Bags	14	Nos.	2.18	30	0.20	60
4	Carriage of plants in P/Bags over distance 2 km uphill/ downhill	14	Nos./K m	1.9	53	0.35	105
5	Repair of B/Wire fencing	157.904	Rmt.	1.8	284	1.89	568
6	Cost of plants (22-00 per plant)	14	Nos.	22	305		305
Total							1246
Or Say Rs							1250
Total Maint. (C to L)							16240
Total New planting & Maint							118560
Soil conservation works							25000
Sub Total							143560
Add 17.50% Department charges							25123
Add 5% contingency charges							7178
Grand Total							175861
Or Say							175865
One Lakhs Seventy Five Thousand Eight Hundred And Sixty Five Only							

[Signature]
Range Forest Officer
W/L Range Jeewa Nal

[Signature]
Divisional Forest Officer
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

Bill of Net Present Value of 0.8223 hac. of forest land in favour of M/S Behal Motors Plot No.6-7 Industrial area Phase-III Sauli Khad Distt Mandi HP for the Construction of 1.75 MW Jiwa-II SHEP In Wild Life Range Jeewanal of GHNP Shamshi.

Sr.No.	Activities/Component	Rate per hac.	Amount
1.	Net Present Value of proposed forestland 0.8223 hac.	10,69,470/- per hac	8,79,425.18
		Or say Rs.	8,79,425.00


Divisional Forest Officer,
GHNP Shamshi,
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

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(77)

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No. :

Proposal No. : FP/HP/HYD/147118/2021

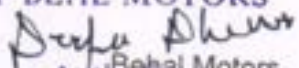
Date of Proposal : 05/10/2021

**Certificate for Approval of the Proposal for Which Diversion of Forest Land is
proposed**

This is to certify that diversion of proposed **0.8223 ha.** forest for construction of **JIWA-II SHEP 1.75 MW**, GHNP Forest Division Shamshi of Distt. Kullu (H.P.) has been approved by competent authority of M/s Behal Motors.

Date:

Place: Shamshi

Authorized Signatory
For BEHL MOTORS

Behal Motors
Auth. Signatory
Jiwa-II SHEP (1.75 MW)

Countersigned By:-


Divisional Forest Officer
Great Himalayan National Park
GHNP Shamshi, Distt. Kullu HP

Full Title of Project:

Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No.

:

Proposal No.

: FP/HP/HYD/147118/2021

Date of Proposal

: 05/10/2021

CERTIFICATE

I, Deepak Dhawan Director cum authorized Signatory of M/s Behal Motors, Certify that the Legal status of the forest land involved in the project will not be change with the approval as granted under Forest (Conservation) Act 1980.

Authorized Signatory
For BEHL MOTORS

Deepak Dhawan

A. P. S. Behal Motors

Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer

Great Himalayan National Park

GHNP Shamshi Distt. Kullu (HP)

27

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

UNDERTAKING

I, Deepak Dhawan Director Cum Authorized Signatory of M/s Behal Motors Hereby, undertake to provide cooking gas/kerosene oil to the workers/ labours. Fuel wood, if required shall be purchased from the Himachal Pradesh State Forest Corporation.

Date:
Place: Shamshi

Authorized Signatory
For BEHL MOTORS
Deepak Dhawan
Behal Motors
Jiwa-II SHEP (1.75 MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GHNP Shamshi, National Park
Shamshi, Kullu (H.P.)

(30)

Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

UNDERTAKING FOR SUBMISSION OF Transmission Plan

I, Deepak Dhawan Director Cum Authorized Signatory of M/s Behal Motors hereby, undertake to obtain & supply the Transmission Plan of the Jiwa-II (1.75 MW) SHEP from department of H.P. Power Transmission Corporation Limited Shimla for further processing of the case.

Date:
Place: Shamshi

Authorized Signatory
for BEHL MOTORS
Deepak Dhawan
Behal Motors
Authorized Signatory
Jiwa-II SHEP (1.75 MW)

c/s
[Signature]
Divisional Forest Officer
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

Full Title of Project:

Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

File No.

Proposal No.

Date of Proposal

: FP/HP/HYD/147118/2021

: 05/10/2021

Undertaking for Submission of Wild Life NOC

I, Deepak Dhawan Director Cum Authorized Signatory of M/S Behal Motors hereby, undertake to obtain & supply the wild life no objection certificate will be provided to your office as soon as the same is received from the CWLW-cum-Pr. CCF Wild Life for construction of Jiwa-II SHEP 1.75 MW. In Sub-Tehsil Sainj in Distt. Kullu HP. We, have already applied to DFO Wild Life Shamshi, Distt. Kullu.

Date:

Place: Shamshi

Authorized Signatory
For BEHL MOTORS
Deepak Dhawan
Behal Motors
Jiwa-II SHEP (1.75 MW)

9/5

[Signature]

Divisional Forest Officer
Great Himalayan National Park
Shamshi, Kullu (H.P.)-175126

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Full Title of Project: Diversion of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW,
Sub-Tehsil Sainj, GHNP Shamshi Forest Division, Distt. Kullu (H.P.)

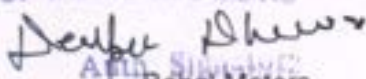
File No. :
Proposal No. : FP/HP/HYD/147118/2021
Date of Proposal : 05/10/2021

DETAILED REPORT ON VOILATION OF PROVISION OF FOREST ACT

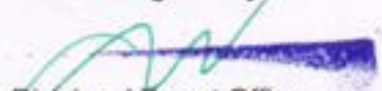
S. No	Description	Remarks
1	The extent (in hectare) of forest land broken/ encroached and the number of trees illicitly felled	-
2	Name and designation of the official / person who are prima-facie responsible for the contravention of the act, supported by the requisite documents.	No official person is liable as no violation has been done.
3	In case, it is not possible to fix the responsibilities for commission/ omission of any action leading to violation of the provision of the act, full explanation with the support of the documents to be appended.	-NA-
4	Detailed action taken by DFO against illicit felling/ encroachment/ illegal mining etc. under the provision of IFA-1927/PLPA-1900/other State Acts, etc. .	-NA-

Date:

Place: Shamshi

Authorized Signatory

Benal Motors
Jiwa-II SHEP (1.75 MW)

Countersigned By:-


Divisional Forest Officer
GHNP Shamshi, Distt. Kullu (HP)
Shamshi, Kullu (H.P.)



From

The Deputy Commissioner,
Kullu.

To

The BEHL Motors,
Sainj, Distt. Kullu, H.P.

No. 537/ 1SA

Dated: 17-07-21

Subject: Population detail of Bhiyali Village- reg.

Sir,

Kindly refer to your office letter no. BEHL/DRO/2020-21-04 dated 26/06/2021 on the cited subject.

In this context, certified population detail of village 'Raila' nearby to the sub-village 'Bhiyali' is hereby enclosed for your kind information and further necessary action.

Encl.- certificate

(Manoj Kumar)
District Revenue Officer,
For Deputy Commissioner, Kullu

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Certificate

As per Human Census 2011, the population of the Village Raila of distt. Kullu is as under:-

Sr. No.	Name	Town/Village code	Total Population	Total Male	Total Female
1	Raila	012897	4704	2430	2274


District Revenue Officer
Kullu District

Full Title of Project:

Division of 0.8223 Ha. of Forest Land for Construction of Jiwa-II SHEP 1.75 MW, Sub-Tehsil Sainj, GHNP Shamsi Forest Division, Distt. Kullu (H.P.)

File No.

Proposal No.

Date of Proposal

: FP/HP/HYD/147118/2021

: 05/10/2021

CHECK LIST SERIAL NUMBER -32

COMPONENT-WISE TOTAL AREA REQUIREMENT

LAND REQUIREMENT OF JIWA-II SHEP (1.75 MW)

S.No.	Name of Component	Khasra No./ TUKDA NO.	MAHAL/ Phati	SIZE OF COMPONENTS IN Karam.		SIZE OF COMPONENTS IN MTRS.		AREA OF LAND		AREA (Hec.) Private Land	AREA (Hec.) Forest Land	Total Land in Ha.
				Length	Width	Length	Width	FOREST LAND (Sq. mt)	PRIVATE LAND (Sq. mt)			
1	2	3	4	5	6	5	6	7	8		9	8
1	Weir Site	Tukda No. 1	Shansher/ Shensher	14	8	19.88	11.36	226.00	-----		0.0226	0.0226
2	Intake Tank	Tukda No. 2	Shansher/ Shensher	6	2	8.52	2.84	24.00	-----		0.0024	0.0024
3	Water Channel -1	Tukda No. 3	Shansher/ Shensher	108	2	153.36	2.84	436.00	-----		0.0436	0.0436
4	MD-1	Tukda No. 4	Shansher/ Shensher	14	5	19.88	7.10	141.00	-----		0.0141	0.0141
5	Score Piepe	Tukda No. 5	Shansher/ Shensher	16	1	22.72	1.42	32.00	-----		0.0032	0.0032
6	Desilting Tank	Tukda No. 6	Shansher/ Shensher	24	5	34.08	7.10	242.00	-----		0.0242	0.0242
7	MD-II	Tukda No. 7	Shansher/ Shensher	14	5	19.88	7.10	141.00	-----		0.0141	0.0141



8	Water Channel-II	Tukda No. 8	Shansher/Shensher	717	2	1018.14	2.84	2892.00	-----		0.2892	0.2892
9	MD-III	Tukda No. 9	Shansher/Shensher	7	5	9.94	7.10	71.00	-----		0.0071	0.0071
10	MD-IV	Tukda No. 10	Shansher/Shensher	14	2	19.88	2.84	56.00	-----		0.0056	0.0056
11	Forebay Tank	Tukda No. 11	Shansher/Shensher	14	5	19.88	7.10	141.00	-----		0.0141	0.0141
12	MD-V	Tukda No. 12	Shansher/Shensher	14	9	19.88	12.78	254.00	-----		0.0254	0.0254
13	Penstock	Tukda No. 13	Shansher/Shensher	98	2	139.16	2.84	395.00	-----		0.0395	0.0395
14	Power House/Switch Yard	Tukda No. 14	Shansher/Shensher	35	21	49.70	29.82	1482.00	-----		0.1482	0.1482
15	Tail Race	Tukda No. 15	Shansher/Shensher	18	1	25.56	1.42	36.00	-----		0.0036	0.0036
16	MD-VI	Tukda No. 16	Shansher/Shensher	18	11	25.56	15.62	399.00	-----		0.0399	0.0399
17	Road Cum U/G Transmission Line-I	Tukda No. 17	Shansher/Shensher	42	2	59.64	2.84	169.00	-----		0.0169	0.0169
18	Road Cum U/G Transmission Line-II	Tukda No. 18	Raila/Bhalan	30	2	42.60	2.84	121.00	121.0000	0.0121	0.0121	0.0242
19	Underground Raod Cum U/G Transmission Line	Tukda No. 19	Raila/Bhalan	67.1	2	96.00	2.84	273.00	-----		0.0273	0.0273

20	Road Cum U/G Transmission Line-III	Tukda No. 20	Raila/ Bhalan	98	2	139.16	2.84	395.00	-----		0.0395	0.0395
21	MD-VIII	Tukda No. 21	Raila/ Bhalan	14	7	19.88	9.94	198.00	-----		0.0198	0.0198
22	Interconnection Point	Tukda No. 22	Raila/ Bhalan	7	7	9.94	9.94	99.00	-----		0.0099	0.0099
TOTAL LAND REQUIREMENT										0.0121	0.8223	0.8344

Forest Land for Diversion in Ha. = 0.8223 Hactare
Private Land for Diversion in ha. = 0.0121 Hactare
Total Land for diversion in ha. = 0.8344 Hactare

Date:
Place: Shamshi

Authorized Signatory

For BEHL MOTORS
Deeba Bheer
Authorized Signatory
Jiwa-II SHEP (1.75MW)

Countersigned By:-

[Signature]
Divisional Forest Officer
GHN, Shamshi, Dist. Kupah (HP)
Shamshi, K.

[Signature]

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HIMURJA
(H.P. Govt. Energy Development Agency)
Shimla-171009

Recd

No. HIMURJA/ SHP -jiwa-II(BM)/2009- 5795

Dated : 11/6/09

To

M/S Behl Motors,
Plot No., 6&7 Industrial Area, Phase-III,
Souli Khad Mandi Distt. Mandi

Sub:- Consent for exclusive, time bound right for preparation of Project Report for the Small
Sir, Hydel Project Jiwa-II (1.00 MW) in Distt. Kullu Himachal Pradesh.

I am directed to inform that after considering your application for the self identified project the State Government has consented to give you the exclusive right for preparation of DPR for subsequent implementation of SHP in H.P. The details of the project for which consent has been granted is as below:-

Sr. No.	Name of the Project	River/ Stream	Distt.	Diversion Elevation	Power House Elevation	Estimated Capacity (MW)
1	Jiwa-II	Jiwa Khad	Kullu	1580	1440	1.00MW

1. PFR FINALISATION

The IPP shall submit a comprehensive PFR to Himurja prepared by a consultant of repute, credentials to be established in the PFR, within two months of issue of this letter. The PFR should include measurement & calculations so as to accurately establish the location of the project features, without changing allotted elevations, as well as refining the design discharge leading to a proposed Installed Capacity, which can thereafter be firmed up during DPR preparation stage.

Capacity changes in the DPR will be decided as per policy of the State Govt. as applicable from time to time.

IPP will have to deposit security, processing fee, upfront premium based on the Installed Capacity proposed in the PFR alongwith the submission of the PFR.

2. SECURITY (REFUNDABLE)

Furnishing of Security charges in the shape of Bank Guarantee or Demand draft (refundable) in favour of "DIRECTOR HIMURJA" payable at Shimla. Security charges to be taken from the bonafide Himachali/ Cooperative society/Company comprising of the bonafide Himachalis shall be in favour of Director HIMURJA payable at Shimla which shall be as follows:-

- (i) Upto 2MW Rs. 50,000/- in shape of Bank Guarantee or Rs. 25,000/- in the shape of Demand Draft.
- (ii) Beyond 2MW upto 5 MW Rs. 75,000/- in the shape of Bank Guarantee or Rs. 35,000/- in the shape of Demand Draft.



REGD

HIMURJA

(HP Govt. Energy Development Agency)
Urja Bhawan, Kasumpti, Shimla-171 009.

No. HIMURJA/SHP-IA/SHP-IA/Jiwa-II(BM)/2009 **8645**

Dated **24** Dec., 2020

To

✓ M/S. Behl Motors,
Plot No. 6 & 7, Industrial Area,
Phase-III, Sauli Khad, Mandi (HP)

Subject:- Supplementary Implementation Agreement for Jiwa II (1.75 MW) HEP in District Kullu (H.P.)

Dear sir,

This has reference to Supplementary Implementation Agreement (SIA) of Jiwa-II HEP (1.75MW) SHEP, District Kullu (H.P.) signed by you with H.P Govt. on **23rd day of December, 2020**. Enclosed please find one set of Supplementary Implementation Agreement in original for information and record at your end. You are requested to attend to the following points in regard to the projects being executed by you.

- i) This Supplementary Implementation Agreement and the already signed Implementation Agreement dated 11.4.2013 shall be in force simultaneously till the validity of the Implementation Agreement.
- ii) The terms & conditions of the Implementation Agreement dated 11.4.2013 shall be treated as amended to the extent of this agreement. All the other terms and conditions of the Implementation Agreement dated 11.4.2013 between the First Party and the Second Party shall remain unchanged.
- iii) Second Party agrees to pay outstanding amount, if any, to the First Party, within a month from the date on communicating the same to the Second Party.
- iv) Both the parties agree that the Jiwa-II (1.75MW) SHEP shall be implemented subject to the terms and conditions mentioned in the already signed Implementation Agreement amended to the extent of this Agreement alongwith other terms & conditions of that Implementation Agreement dated 11.4.2013 between First Party and the Second Party.
- v) Second Party agrees that in case of any inadvertent omission or commission or mistakes, appearing in this Agreement (SIA), are liable to be rectified at any time on or after commissioning of the project to bring the terms and conditions in accordance with the extent of Hydro Power Policy/Rules and Guidelines if the State Government that may be enforced from time to time.
- vi) If at a later stage, it is found that some information has been suppressed or false documents have been supplied by you at the time of signing of SIA or subsequently, the whole responsibility will be yours and Govt. will be at liberty to take legal action against your firm.

acknowledged.

This may be treated as most urgent and receipt of this letter may kindly be

Encl:- A/A

Yours sincerely,


Chief Executive Officer,
HIMURJA

Endt. No.: - A/A 8646-8659

Dated:- 24/2-2020

Copy of Supplementary Implementation Agreement of Jiwa-II HEP (1.75MW) SHEP in District Kullu (H.P.) in respect of M/S. Behl Motors, Plot No. 6 & 7, Industrial Area, Phase-III, Sauli Khad, Mandi (HP) forwarded to the following for information & record at their end please.

- i) The Addl. Chief Secretary (NES), to the Govt. of H.P., Shimla-171002 a/w one set of SIA in original.
- ii) The Addl. Chief Secretary (MPP & Power), to the Govt. of H.P., Shimla-171002.
- iii) The Additional Chief Secretary (Revenue), to the Govt. of H.P., Shimla-171002.
- iv) The Principal Secretary (Home), to the Govt. of H.P., Shimla-171002.
- v) The Pr. Chief Conservator of Forest, Forest Department, Talland, Shimla-171001.
- vi) The Director, Directorate of Energy, Shanti Bhawan, Phase-III, Sector-VI, New Shimla (H.P.)- 171009.
- vii) The Deputy Commissioner, Kullu (H.P.).
- viii) The Managing Director, HPTCL, Himfed Bhawan, Panjari, Shimla-171004.
- ix) The Chief Engineer (Commercial), HPSEBL, Vidyut Bhawan, Shimla-171004.
- x) The Member Secretary, PCB, BCS-III, New Shimla (H.P.)-171009.
- xi) The Director (SHP), MNRE, Block No. 14, CGO Complex, Lodhi Road, New Delhi-110003.
- xii) The Director-cum-Warden of Fisheries, Himachal Pradesh, Bilaspur, District Bilaspur (H.P.).
- xiii) The Labour Commissioner-cum-Director, Employment H.P., HIMRUS Building, Near HIMLAND Hotel, Shimla (H.P.).
- xiv) The Sr. Project Officer, HIMURJA, Kullu (H.P.)


Chief Executive Officer,
HIMURJA

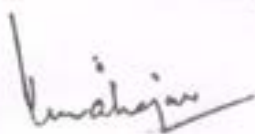
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DIRECTORATE OF ENERGY
GOVERNMENT OF HIMACHAL PRADESH
SHANTI BHAWAN, PHASE-III, SECTOR-VI, NEW SHIMLA-171009(HP)

OFFICE ORDER

Directorate of Energy(DOE), Government of Himachal Pradesh, is pleased to accord Techno Economic Clearance(TEC) to Jiwa II SHP(1.75 MW) on Jiwa nallah a tributary of Sainj river in Beas basin, Distt. Kullu Himachal Pradesh, allotted to "M/S Behl Motors, Plot No-6&7, Industrial Area, Phase-III, Souli Khad, Distt Mandi, Mandi (HP)", at an estimated cost of Rs. 1345.60 lac (Rupees one thousand three hundred forty five lac sixty thousand) only including Interest During Construction(IDC), Escalation, Financial Charges(FC) and LADC @ 1.00% of total project cost with the following stipulations:

- i.) The completion cost shall not exceed the above cost except on account of the following:
 - a) Interest During Construction(IDC) and Financial Charges(FC) shall be as per actuals but not exceeding the amount as indicated at Annex-I, unless revised by DOE, GoHP while according concurrence under Section-8 of Indian Electricity Act 2003 after review of the financial package.
 - b) Change in rates of Indian taxes and duties such as Excise Duty, Sales Tax/VAT, Custom Duty and levy of any other taxes/duties subsequent to issue of Techno Economic Clearance.
 - c) Change in Indian law resulting in change in the cost.
 - ii) The abstract of the Estimated Cost approved by DOE, GoHP is furnished at Annex-I and the Salient Features of the scheme are at Annex-III.
2. The Techno-Economic Clearance(TEC) is subject to the fulfillment of the following conditions:
- i) Completed cost/Techno-Economic Clearance (TEC) shall not be re-opened due to the following:
 - a) Non acquisition of land.
 - b) Non- finalization of Power Purchase Agreement (PPA)
 - c) Delay in financial closure.
 - ii) The final financial arrangement shall not be inferior to the financing arrangement projected in the Detailed Project Report (DPR) for TEC.
 - iii) The cost of the project cleared by the DOE, GoHP is indicative and shall have no binding on the regulator while fixing the tariff. The tariff of the project shall be regulated by the appropriate Electricity Regulatory Commission.
 - iv) The public issue expenses, if any, shall be reconsidered at the time of approval of completion cost based on documentary proof and in accordance with Security Exchange Board of India (SEBI) guidelines regarding regulation of public issue expenses.
 - v) Fulfillment of conditions stipulated in Central Electricity Authority (CEA)/Central Water Commission(CWC) guidelines in respect of civil works at the stage of detailed designs/execution.
 - vi) Any increase in the cost estimate due to design modifications and geological surprises would be absorbed by the Independent Power Producer (IPP) i.e. "M/S Behl Motors, Distt Mandi, Mandi (HP)".
 - vii) No additional cost shall be allowed due to Resettlement & Rehabilitation (R & R) Plan.
 - viii) Normal operation life of the hydro power plant shall be as per provisions of CWC/CEA guidelines or CERC/HPERC regulations.
 - ix) The statutory and administrative clearances as per Annex-II shall be obtained before execution/ implementation of the project.
 - ix) The interconnection point with the State grid and interconnection facilities at the interconnection point shall be provided, operated and maintained at the cost of the IPP.

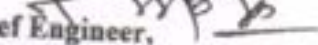


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- x) The cost of providing and/or strengthening/additions etc. of the system at and beyond the Interconnecting Sub-station which may also include the cost of replacement of switchgear/ protection and provision of shunt capacitors, strengthening of bus bars, apart from other works required at injection voltage level and other one or more successively higher voltages, civil works relocation of existing bays etc. shall be recovered by HPSEBL, as per the regulations of HPERC read with the clarifications/decisions by HPERC and/or any other competent authority as may be finally applicable. The share of IPP on this account shall be paid by the IPP to HPSEBL as per the final decision of the competent authority.
 - xi) Whereas the HPSEBL shall endeavor to provide the evacuation system at the earliest, the scheduled date for providing evacuation arrangements shall be spelt out in the PPAs on case to case basis inter-alia, keeping in view the time lines indicated in the relevant plan and approved by HPERC.
 - xii) The powerhouse generating equipment as well as other electrical equipment to be provided by the developer shall be compatible for parallel operation with the State grid after interfacing. The IPP shall be responsible for any loss of generation on this account.
 - xiii) O&M charges for maintenance of inter connection facilities at the interconnection sub-station shall be paid by the IPP to HPSEBL throughout the period, the IPP runs the project and the same shall be reviewed at the beginning of every financial year.
 - xiv) For evacuation of power the IPP shall interface this project with 33kV sub-station at Sainj by constructing 33 KV S/C transmission line on double circuit structures with 0.15 sq. in. "WOLF" conductor from power house to Sainj sub station.
 - xv) The project line shall be provided, operated and maintained by the IPP at his cost as per normal conditions after obtaining approval of HP Govt. under Section 68(1) of Electricity Act, 2003.
 - xvi) The above mentioned evacuation arrangements shall be subject to the HPERC approval of "Comprehensive area wise plan for augmenting and establishing of transmission/sub-transmission system for evacuation of power from small HEPs" which has already been submitted to HPERC. The Transmission/Distribution Licensee may however also evolve alternate system(s) depending on the site conditions and subsequent developments with the approval of HPERC.
 - xvii) The IPP shall develop operate and maintain the Project including the dedicated transmission system subject to compliance with the following:
 - a) Grid code and standards of grid connectivity.
 - b) Technical as well as Mechanical standards for construction of Electrical lines.
 - c) Norms of System Operation of the concerned State Load Dispatch Center (SLDC) or Regional Load Dispatch Center (RLDC).
 - d) Directions of the concerned SLDC or RLDC regarding operation of dedicated transmission line.
 - e) The IPP shall only be allowed to inject power in HP system with the undertaking that necessary action to provide tele-metering to SLDC shall be provided by them and specifications required to be got approved from the office of SE(SLDC), HP Load Despatch Society, Totu, Shimla from compatibility point of view with existing SCADA system.
 - xviii) The conditions on these lines shall have to be suitably included by the developer in the PPA etc. apart from other standard conditions.
 - xix) The observations of DOE, GoHP and replies thereof shall form an integral part of the DPR.
 - xx) Minimum 15% release of water immediately downstream of diversion structure shall be ensured all the times including lean season as per Power Policy of HP Govt., 2006 and subsequent amendments thereof. The necessary monitoring equipment as prescribed by the Pollution Control Board for the same shall be installed by the IPP during execution of the project.
 - xxi) LADC/LADF amount and activities shall be implemented as per Power policy of HP Govt., 2006 and subsequent amendments thereof.

Handwritten signature

- xxii) The additional 1%(one percent) free power from the project shall be provided and earmarked for a Local Area Development Fund(LADF) as per HP Govt. Notification No. MPP-F(1)-2/2005-V dated 30.11.2009.
- xxiii) The TEC is based on the reports and data furnished by the IPP in the DPR and it is presumed that information furnished is correct and has been collected reliably after carrying out detailed field investigations and surveys under the supervision of competent personnel. The scrutiny of DPR does not cover the examination of the detailed designs & working drawings of project components in regard to their structural, hydraulic and mechanical performance & safety which shall be ensured by the project authority/IPP.
3. The project shall be completed within 24 months from the date of start of the construction work.
 4. The completion cost of the scheme shall be submitted to DOE, GoHP for approval within 3 months from the Commercial Operation Date (COD) of the plant.
 5. The Project Promoters/Project Authorities shall give free accessibility to the officers and staff of DOE, GoHP to have on the spot assessment of various aspects of the project.
 6. The firm financial package and tie-up of balance input/clearances shall be completed within the period as stipulated in the HP Govt. power Policy, 2006 and subsequent amendments thereof /Implementation Agreement.
 7. In case the time gap between the Techno-Economic Clearance of the scheme and actual start of work on the project is three years or more, a fresh Techno-Economic Clearance shall be obtained from DOE, GoHP before start of actual work.
 8. The DOE, GoHP reserve the right to revoke the concurrence if the conditions stipulated above are not complied with to the satisfaction of the DOE/GoHP.

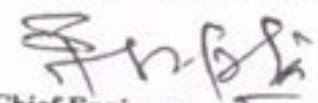
BY ORDER OF THE GoHP


Chief Engineer,
Directorate of Energy, GoHP,
New, Shimla-171009(HP).

No. DOE/CE(Energy)/TEC-Jiwa-II/2011-9149-57 Dated: 30/3/12

Copy for information and necessary action to the:

1. Principal Secretary (MPP & Power) to H.P. Govt., Shimla-171002
2. Principal Secretary (NES) to H.P. Govt., Shimla-171002
3. Secretary, Ministry of Non-Conventional Energy Sources (MNES), Block No.14,CGO Complex, Lodhi Road, New Delhi-110003.
4. Director, Environmental & Scientific Technologies, Narayan Villa, Near Wood Villa Palace, Shimla-171002.
5. General Manager, HPPTCL, Borowalia House, Khalini, Shimla-171002.
6. Chief Engineer (SP), HPSEB Ltd, Vidyut Bhawan, Shimla-171004.
7. Chief Engineer(Commercial), HPSEB Ltd, Vidyut Bhawan, Shimla-171004.
8. Chief Executive Officer, Himurja, 8A-SDA Complex, Kasumpti, Shimla-171009.
9. M/S Behl Motors, Plot No-6&7, Industrial Area, Phase III, Souli Khad, Distt Mandi, Mandi (HP)".


Chief Engineer,
Directorate of Energy, GoHP,
New Shimla-171009(HP).

ANNEXTURE-I

Jiwa-II SHP(1.75MW) in District Kullu of Himachal Pradesh allotted to "M/S Behl Motors, Plot No-6&7, Industrial Area, Phase-III, Souli Khad, Distt. Mandi, Mandi (HP)"

ABSTRACT OF COST ESTIMATE

Sr. No. (a)	Description of works	Amount (Rs. in lac)	
1.	Civil works i/c other Misc. Expenses	723.12	Price Level March, 2011
2.	Electro Mechanical works	385.70	
3.	Transmission works	59.76	
	Sub Total (a)	1168.58	
(b)			
1.	Interest During Construction (IDC)	127.77	
2.	Escalation	26.03	
3.	Financial Charges(FC)	9.89	
	Sub Total (b)	163.69	
	Total (a+b)	1332.27	
(c)	LADC @ 1% of (a+b)	13.32	
	GRAND TOTAL (a+b+c)	1345.59	
	Say Rs	1345.60 lac	

(Rupees one thousand three hundred forty five lac sixty thousand only)

[Signature]

[Signature]
Chief Engineer,
Directorate of Energy, GoHP,
New Shimla-171009(HP).

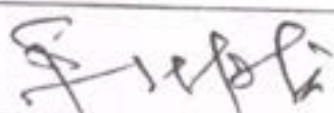
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ANNEXURE-II

Jiwa-II SHP(1.75MW) in District Kullu of Himachal Pradesh allotted to "M/S Behl Motors, Plot No-6&7, Industrial Area, Phase-III, Souli Khad, Distt. Mandi, Mandi (HP)"

LIST OF STATUTORY AND ADMINISTRATIVE CLEARANCES REQUIRED

Sr.No.	ITEM	AGENCY	REMARKS
1.	WATER ABAILABILITY	1. State Govt. 2. CWC	Interaction between State Govt. Deptt. & CWC required. Relevant Irrigation Act of the State & Central Water Commission.
2.	SEB CLEARANCE	1. SEB. 2. State Govt.	Section 44, E(S) Act, 1948 Repealed by Electricity Act 2003.
3.	POLLUTION CLEARANCE WATER AND AIR	State/Central Pollution Control Board	Water (Prevention & Control of Pollution) Act, 1974 Air (Prevention & Control Pollution) Act, 1981.
4	FOREST CLEARANCE	1. State Govt 2. Min.of E&F G.O.I.	Coordination with State Forest Deptt./ Min. of Environ. & Forest (MOE&F) regarding Forest (Conservation) Act, 1980.
5	ENVIRONMENT & FOREST CLEARANCE	1. State Govt 2. Min.of E&F G.O.I.	As per item (3) & (4) and Govt. Policy in force.
6.	REGISTRATION	Registrar of Companies.	Under Indian Companies Act, 1950.
7.	REHABILITATION & RESETTLEMENT OF DISPLACED FAMILIES BY LAND ACQUISITION	1. State Govt 2. Min.of E&F G.O.I.	
8.	EQUIPMENT PROCUREMENT	DGTD, CCI& E	Import & Export Acts.


Chief Engineer,
Directorate of Energy, GoHP,
New Shimla-171009(HP).

ANNEXURE-III

Giwa-II SHP(1.75MW) in District Kullu of Himachal Pradesh allotted to "M/S Behl Motors, Plot No-6&7, Industrial Area, Phase-III, Souli Khad, Distt. Mandi, Mandi (HP)"

SALIENT FEATURES

1.	Location	Himachal Pradesh Kullu/Banjar Khaniyari, Kathiari, Siund, Sainj 4.00 km from Sainj, Distt. Kullu Kiratpur Sahib(Pb) 215 km. Bhuntar Diversion site on Jiwa Nallah at EL± 1580.00m near Khaniyari village and Power house on left bank opposite village Kathiari at EL± 1450.00m near confluence of Barshanu Nallah.
	State	
	District/Tehsil	
	Vicinity	
	Access - By Road	
	Railway Station	
	Airport	
	Proposal	
	Geographical co-ordinates	
	• Longitude	77° 20' 00" E to 77° 31' 00" E
	• Latitude	31° 47' 00" N to 31° 55' -00"N
	SOI toposheet	53 E /5, 53 E/9
2	HYDROLOGY	
	Name of stream	Jiwa nallah
	Tributary of /Basin	Sainj river/Beas basin
	Catchment area at Diversion site	150 .00Sq km
	Intercepted for power generation	30.00 Sq km
	Design Flood	458.00 cumecs
	Design discharge	1.70 cumecs
3	PROJECT COMPONENTS	
3.1	DIVERSION STRUCTURE	
	Type	Trench type weir,
	River bed level	EL ± 1580.00 m
	Length	14.00 m
	HFL	EL ±1582.50m
	Top level of intake structure	EL ±1585.00m
	Bed slope of trench	1 in 17.50
	Bed slope of khad	1 in 10
3.2	WATER CONDUCTOR SYSTEM	
	(a) APPROACH CHANNEL (from Trench weir to Desilting tank)	
	Type	Cut & Cover (rectangular)
	Length	100.00 m
	Size	1.20m(Width) x 0.90m(Water Depth)
	Free board	0.50 m
	Slope	1 in 250
	Design discharge	2.21 cumecs
	Velocity	1.05 m/sec.
	(b) DESILTING ARRANGEMENT	
	Type	Surface Hopper type
	Size	20.00 m × 5.00 m × 2.50m
	Particle size to be removed	0.2 mm and above
	Flow through velocity	0.20 m/sec
	Flushing discharge	0.34 cumecs
	(c) POWER CHANNEL(from Desilting tank to Forebay)	
	Type/ Material	Mild Steel circular conduit
	Size	1.05 m internal dia.
	Length	1300.00m

	Design discharge	1.87 cumecs
	Velocity	2.16 m/sec
	Bed slope	1 in 357
3.3	FOREBAY	
	Type	Surface
	Size	25.00 m(L) x 8.00 m(W) x 2.00 m(D)
	Capacity	400.00 cum
	Peaking storage time	3 min.
	FSL	EL ± 1575.70 m
	MDDL	EL ± 1573.70 m
	Top structure	EL ± 1576.60m
	C/L of penstock	EL ± 1570.55m
3.4	PENSTOCK	
	Type	Surface, Circular steel penstock
	Number	One
	Size	750 mm dia.
	Length	140.00 m
	Number of Branches	Two
	Size of branch penstock	550mm dia each
	Plate thickness	Varying between 8 mm to 12 mm
	Velocity	4.23 m/sec.
3.5	POWER HOUSE	
	Type	Surface
	Size	22.50 m(L) x 11.50 m(W) x 9.00 m(H)
	Installed capacity	1.75 MW(2 units of 875 KW each)
	Gross Head	125.70 m
	Net head	122.00 m
	C/L of units	EL ± 1450.00 m
	Capacity of crane	10/5 ton HOT
	Turbines	
	• Type	Horizontal shaft Pelton
	• Number of units	Two
	• Capacity	875 KW each
	• Speed	750rpm
	Generators	
	• Type	Horizontal shaft synchronous
	• Number	Two
	• Capacity	875 KW each
	• Power factor	0.9 Lag
	• Generation Voltage	3.3 kV
	• Frequency	50 Hz.
	• Speed	750 rpm
	• Overloading capacity	10 %
3.6	TAIL RACE	
	Type	Rectangular section
	Length	±50.00 m
	Width	1.20m
	FSD	1.20m
	Free Board	0.50m

[Handwritten Signature]

[Handwritten Signature]
 Chief Engineer,
 Directorate of Energy, GoHP,
 New Shimla-171009(HP).



AFFIDAVIT
हिमाचल प्रदेश HIMACHAL PRADESH

00AA 742944

We the Partners of Behl Motors namely Som Nath, Suresh Kumar Sanjeev Behl & Deepak Dhawan vide our resolution has finalized the following.

1. That the Behl Motors will apply to the Hydro Projects of Jiva -II, SAROGI, Prini and KALA Hydro Projects.
2. That all the partners has decided that Mr Sanjeev Behl will Sign the application, MOU, Implementation agreement and all the correspondence related with these projects which will be made with Himurja, Himachal Pardesh Government, H.P.S.E.B. and other Govt departments related to the projects applied for.

Deponents

Som Nath, Suresh Kumar, Deepak Dhawan

The Signature of Mr Sanjeev Behl is verified as under.

1. Sanjeev Behl
2. Sanjeev Behl
3. Sanjeev Behl

Verification :-



Declared that the above was declared on
at before me on 14 / 4 / 2007
at Mentory: Som Nath Suresh Kumar
who is partner of
by Sanjeev Behl & Deepak Dhawan
who is partner of
read & signed
The date & place
stand for
1. Som Nath
2. Suresh Kumar
3. Deepak Dhawan

Notary Public
Mentory (H.P.)
14/4/07



हिमाचल प्रदेश HIMACHAL PRADESH

C 475506

**SUPPLEMENTARY IMPLEMENTATION AGREEMENT
FOR
JIWA-II SMALL HYDRO-ELECTRIC PROJECT (1.75 MW).**

This Agreement executed on 23rd day of the month of December in the year Two Thousand and Twenty, between the Government of Himachal Pradesh, through the Special Secretary (NES) to the Government of Himachal Pradesh -cum-Chief Executive Officer, Himurja, having its office at Block 8-A, Urja Bhawan, SDA Complex, Kasumpti, Shimla (H.P.)-171009 (hereinafter referred to as "First. Party"), which expression unless repugnant to the context or meaning thereof, shall include its successor(s), administrator(s) or permitted assigns, of the **FIRST PART;**

AND

M/s Behl Motors, a Partnership Deed registered under the Firm Act 1932 and having its registered office at Plot No-6&7 Industrial Area Phase -III, Souli Khad Mandi (which expression shall, unless repugnant to the context or meaning thereof, include its holding company, subsidiaries, associates, successor(s), administrator(s), and permitted assigns(s) (hereinafter referred to as "**Second Party**") through Sanjeev Behl Partner who has been duly authorized by the Second Party vide resolution dated 18-1-2012 to execute this agreement of **SECOND PART.**

Special Secretary (NES)
to the Govt. of H.P.-
cum-CEO HIMURJA
Shimla-171 009

(1)

Behl Motors
Partners

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भारतीय गैर न्यायिक

पचास
रुपये

रु.50



FIFTY
RUPEES

Rs.50

INDIA NON JUDICIAL

हिमाचल प्रदेश HIMACHAL PRADESH

C 475502

WHEREAS, the First Party, in accordance with its power policy had allotted Jiwa-II SHEP for an installed capacity of 1.00 MW to M/s Behl Motors on dated 11.6.2009 for carrying out detailed Survey & Investigations, techno-economic studies and submission of Detailed Project Report (DPR) for the implementation of Jiwa-IISHEP (1.00 MW) in District Kullu, Himachal Pradesh (hereinafter referred to as the "Project"); and

WHEREAS, the Second Party after carrying out detailed survey & investigation at project site had submitted the Detailed Project Report (DPR) for an installed capacity of 1.75 MW, which was accorded Techno-Economic Clearance (TEC) by DoE on 30-3-2012; and

WHEREAS, the Implementation Agreement in respect of Jiwa-IISHEP between GoHP and 1.00 MW to M/s Behl Motors for the implementation of Jiwa-IISHEP for an installed capacity of 1.75 MW was signed on 11-4-2013.

WHEREAS, the Zero Date in respect of Jiwa-II SHEP (1.75 MW) as per the milestones stipulated in the Implementation Agreement signed on 11-4-2013 was 10-10-2015; and

WHEREAS, First Party vide notification dated 07.11.2020 has allowed One Time Amnesty by redefining zero date for projects which are under investigation & clearance stage where IAs have already been signed and by redefining Scheduled Commercial Operation Date (SCOD) for projects under construction stage.

Special Secretary (NES)
to the Govt. of H.P.
cum-CEO HIMURJA
Shimla-171 006

Behl Motors
Partners

WHEREAS, in pursuance to the above notification the Second Party vide its application dated 28.11.2020 has requested to avail One Time Amnesty and further requested to sign Supplementary Implementation Agreement.

WHEREAS, this Supplementary Implementation Agreement is being signed by both the Parties only to the extent that the Zero Date of Jiwa-II SHEP (1.75 MW) shall be redefined as per notification dated 07.11.2020. This agreement shall in no way affect all other terms and conditions of Implementation Agreement dated 11-4-2013.

NOW THIS SUPPLEMENTARY AGREEMENT WITNESSES AS UNDER

- I. Both the Parties agree to amend /incorporate the existing clause 5.1 & 5.2 as under:

The timelines for redefining of Zero Date in respect of Jiwa-II SHEP (1.75 MW) is as under:

Sr. No.	Milestones	Time period	Consequential Action
1.	Apply for connectivity & signing of Long Term Open Access (LTOA) Agreement with HPPTCL or for signing of PPA with HPSEBL.	Within one month from the date of signing of SIA.	If the project developer fails to achieve this milestone within specified period of one month, the allotment of the project shall be liable to be cancelled.
2.	Signing of Connectivity Agreement & Long Term Open Access (LTOA) Agreement with HPPTCL or PPA with HPSEBL.	Within six months from the date of signing of SIA.	If the project developer fails to achieve this milestone within specified period of six months, the allotment of the project shall be liable to be cancelled.
3.	Furnishing of compliance reports for the progress achieved on continuous basis in the prescribed format.	Every two months on continuous basis starting two months from the date of signing of SIA	In case a project developer fails to submit the bimonthly, three consecutive compliance reports on prescribed formats in the first six months, the allotment of the respective project shall be liable to be cancelled.
4.	Submission of quantitative progress report on the progress achieved so far	At the time of completion of one year from the date of signing of SIA	In case a project developer fails to submit the quantitative progress report on the progress achieved so far at the time of completion of one year from the date of signing of SIA, and the report is not found satisfactory, the allotment of the respective project shall be liable to be cancelled.

Special Secretary (IES)
to the Govt. of H.P.,
cum-CEO HIMURJA,
Shimla-171 002

Behl Motors
Partners

No 1658445 202 Himachal Government Judicial Paper

5.	Zero Date for start of construction work	Within 12 months after signing of SIA	In case a project developer fails to achieve Zero date within 12 months, due to various unavoidable reasons not attributable to the project developers, the Administrative Department can allow another period of 12 months to achieve zero date. Failing which the project allotment shall be liable for cancellation without any liability of Govt. and without issuance of any further notice in this regard. Provision for which will be kept in SIA.
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Note: The Second Party shall not be entitled for any incentive on account of early commissioning of the project after availing relaxation under One Time Amnesty.

This **Supplementary Implementation Agreement** signed on the date first written above and the **Implementation Agreement** signed on **11-4-2013**

In witness whereof, the Parties hereto have executed and delivered this Agreement at Shimla, Himachal Pradesh on the date first written above, for the Implementation of **Jiwa-HISHEP** for installed capacity of **1.75 MW**.

For & on behalf of
the Government of Himachal Pradesh

(Rupali Thakur)
Special Secretary (N.E.S.)
to the Govt. of H.P.-cum-
CEO, Himurja, Shimla-171009
Shimla-171 005

WITNESSED BY:

1. (Pradeep Bhanot)
Sr. Project Officer(SHP)
Himurja, Shimla-9

2. (Ramesh Rattan)
Project Officer (C-II)
Himurja, Shimla-9

For and on behalf of
M/s Behl Motors

(Sanjeev Behl)
Partner,
Behl Motors

Partners

WITNESSED BY:

1. (Ankur Thakur)
Aahi Lower Summer Hill
Shimla 5

2. Vijay Kumar
Vijay Kumar
Tehsil Humnabar
Distt Bilaspur HP
121028

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Himachal Pradesh -IPH Department

NO.IPH-IDK-II-WA-NOC/2011:-
To

4992-96

Dated:- 22/7/2011

M/S Behl Motors
Plot No. 6& 7 Industrial Area Phase-III
Soulikhad Mandi Distt. Mandi (HP)

Subject: -

Request for Issue of No Objection certificate (NOC) from IPH Department for Jiwa (1.75MW) in Tehsil & District Kullu-HP.

Reference:-

your office Letter No.Jiwa Nallah /2011--NIL-dated Nil.

With reference to your referred Letter to above. The No Objection certificate for the setting up/construction of (1.75MW SHEP) Jiwa in Kullu District. -HP is hereby issued in your favour to the following terms and Conditions:-

- 1 The Firm shall enter into legal agreement with the Department in this respect.
- 2 That the Chief Engineer (MZ) IPH Department, Mandi shall be the sole adjudicator of any dispute arising during construction as well as subsequently and his decision shall be binding on all the parties.
- 3 In case there is any scarcity of water due to the drought or any reasons, the requirement of department shall have precedence over the requirement of this Hydro Power Project.
- 4 The firm shall ensure adequate minimum environment flow in river/Khad below the diversion site to take care of aquatic life and ecology of the area. However, the minimum flow shall not be less than 15% of the available discharge at any time in the river as per Govt Policy.
- 5 The firm shall rehabilitate/repair/compensate for IPH Deptt. Assets/water resources as well as private kuhals/Irrigation schemes/water supply schemes in case these are damaged or adversely affected due to construction/operation of the project. During restoration period the arrangement for providing of water to the beneficiaries shall be made through tankers and other alternative possible arrangements by the firm.
- 6 Additional water required by the department in future in addition to the projected demand will get priority over the water requirements of the firm.


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7. In addition to I&PH Department requirement, the firm will also satisfy the requirement of private users, if any.


8. That the Department will have liberty to draw water from Jiwa Nallah a tributary of Beas/Parvati river (Upstream and downstream) for construction of any irrigation and water supply schemes as when required in future and, If any schemes, sources of water up and down stream of the HEP get affected, the executing agency will have to deposit the original cost of the schemes including its remodeling and restoration, augmentation cost, as the case may be with the department in advance so as to make these facilities available to the affected area(s) for which the company will have no objection.


9. The firm will release 100 LPS (0.10 cusecs) of water for proposed irrigation and drinking water supply scheme purposed (these requirements are in addition to 15% flow of the available discharge as mentioned in condition 4 above) water should be free from silted water from the desalting tank etc. to ensure the above discharge automatic discharge meter required to be fitted by the project authority.

10. The present and future quantity of water for proposed WSS will be tapped by the department from Jiwa Nallah tributary of Beas/Parvati river up-stream of the intake of the HEP and the department will have precedence over the requirement of the proposed project.


Executive Engineer
IPH Division No.II
Kullu at Bhunter.

Copy to Superintending Engineer IPH Circle Kullu for information with reference to his office letter No.SE-IPHK-WA-V-NOC/2010-5180-84 Dated: - 16.7.2011 along with Photo copy of agreement signed with the Firm..

Copy to Assistant Engineer IPH Sub Division  Shamshi for information and further action.


Executive Engineer
IPH Division No.II
Kullu at Bhunter.

NO. 947
HP Forest Department

Dated Shamshi, the 21/06/2011

From: DFO (Hqrs.)-cum-
DFO GHNP Shamshi

To: M/S Behl Mortors
6-7 Industrial Areas, Mandi Phase-II
Sauli Khad Mandi Distt. Mandi, HP

Subject: Request for distance certificate from Sanctuary National Park for
setting up of small Hydro-Project 1.7 MW at Jiwa Nalla in Distt. Kullu.

Memo:
above. Please refer to your office BM dated 21.06.2011 on the subject cited

2. The Range Forest Officer (Wildlife) Jiwanal has reported that the distance of proposed project trench weir site is approximately 1.9 km from the nearest NP boundary. The area falls under ecozone of GHNP Shamshi, Wildlife Range Jiwanal.

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DFO (Hqrs.)-cum-
DFO GHNP Shamshi

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Himachal Pradesh
Public Works Department

No.PW/KD-I/CB/WA-I/N.O.C/2009:- 4073

Dated:- 8-6-11

To

M/s Behl Motors,
Sauli Khad Distt. Mandi.

Subject:-
for


NOC in respect of M/s Behl Motors, Sauli Khad Distt. Mandi

1MW S.H.P. JIWA-II in Distt. Kullu.

This office has no objection for setting up small 1MW
Hydro project at Jiwa khad in distt. Kullu.(HP). Subject to fulfill the following
conditions:-

1. That the applicant shall not stack any construction material on berms/ road side. *of PWD road.*
2. There shall be no traffic hindrance due to construction activities by the applicant.
3. The applicant may ensure that no debris should be thrown on the PWD land/ road.
4. The applicant will be entirely responsible for any type of damage to the PWD land/ road.
5. No waste/ sewerage shall be discharged into the road side drain/ PWD road.

Encl:- Nil.


Executive Engineer,
Kullu Division No-1
H.P.W.D. Kullu.(HP)



कार्यालय ग्राम पंचायत देहरीधार

विकास खण्ड बन्जार जिला कुल्लू (हि०प्र०)

आज दिनांक 17/7/2018 को प्रधान भीमती निर्मला देवी की अध्यक्षता में हुई साधारण/ग्राम सभा की बैठक में उपस्थित 112/130 सदस्यों द्वारा पारित प्रस्ताव संख्या नं० 8 की वास्तविक प्रतिलिपि।

विषय → अन्याय उभार पत्र।

आज दिनांक 17/7/2018 को ग्राम सभा की आम बैठक हुई। जिसमें अध्यक्षता प्रधान ग्राम पंचायत देहरीधार में की उनके वरिष्ठ मोटरजु एकाट का 6-7 इन्डस्ट्रियल एरिया समूची खंड गन्डी में आ गन्डी के आसपास पत्र जो के हार्डिंग - जो जैवत कागजों के लीट, पर विचार केमरी किया गया निर्धारित स्वीकृति से पारित किया गया कि इन ग्राहकों को ग्राम पंचायत हा/सभा को जीवा नामों में (कोई) दि जो प्रस्तावित हार्डिंग - जोवेसु 1/30 के लगाने के लिए आपत्ति नहीं है।



हस्ताक्षर _____
दिनांक _____

(Signature)

(Signature)

No. FSH-F (2)39/2010-ARC-JIWA-II- 3584
Directorate of Fisheries,
Himachal Pradesh.

From

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

To

✓ M/s Behl Motors,
Plot No. 6&7 Industrial Area, Phase-III,
Souli Khad Mandi, Distt- Mandi (H.P.)

Dated Bilaspur-174001 the, 4-5-12

Subject: -

NOC for setting up of Small Hydro Project Jiwa-II (1.75 MW) at
Jiwa Nallah in Distt Kullu H.P.

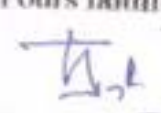
Sir,

I invite a reference of your letter dated 17.02.2012 and 28.03.2012 vide which you have sent a demand draft bearing No. 038092 dated 18.01.2012 for ₹ 1.665 Lacs (₹ One Lac Sixty Six Thousand and Five Hundred) only towards Fisheries development funds and duly notarized affidavit respectively, regarding subject cited supra.

Keeping in view the undertaking/affidavit given for the disposal of silt/muck and sustenance of aquatic fauna, the Department of Fisheries, Himachal Pradesh has no objection if the project is started at the site.

This may be treated as NO OBJECTION CERTIFICATE.

Yours faithfully,


Director-cum-Warden of Fisheries,
Himachal Pradesh.

Endst No. -As above-

Dated:-


Copy forwarded for favour of information to:-

1. The Principal Secretary (Fisheries) to the Government of H.P., Shimla-2
2. The Director, HIMURJA, SDA Complex, Kasumpti, Shimla-9
3. The Deputy Director of Fisheries, Patlikuhl, District-Kullu (H.P.).

Director-cum-Warden of Fisheries,
Himachal Pradesh.

अन्नापति प्रमाण-पत्र

समस्त सहस्रीनदान सौज के कार्यालय पत्र सं. 580 / अ. एन. टी. दिनांक 29.5.2011 द्वारा निर्धारित अनुसार भिनि एडवोकेट प्रोजेक्ट (1.25 मै. वा.) को स्थापना हेतु परस्तावित भूमि स्थित जीवाभारत में कोई मात्र स्कूल, जलवायु परम्परागत पसर व समझानघार तथा पानी के स्त्रोत प्रभावित नहीं हो रहे हैं, अतः उक्त प्रोजेक्ट को संस्थापक कैबल मोडल 07 इन्टरसटीगल एरिया फंस-3 सीलीखट पण्डी जिला पण्डी (हिण्डी) के पक्ष में अन्नापति प्रमाण पत्र जारी किया जाता है।


उप महानिरीक्षक (निर्माण)
मन्जार जिला मुख्यालय 06/06/11



Dated 30-09-2021

To Whom It May Concern

This is to certify that we, Som Nath Behl and Suresh Kumar, Partners, Behl Motors, hereby appoint and authorize Mr Deepak Dhawan to deal with Forest Department in regard to sign, execute and submit such other documents/ papers as may be necessary for the forest case related with Jiwa ii hydel project.

For Behl Motors

For BEHL MOTORS *Som Nath*
Partners
Signature

Specimen Signature (Deepak Dhawan)

1. _____
2. _____
3. _____

Deepak Dhawan
Deepak Dhawan
Deepak Dhawan

01905-235102/ 94180-00097/ 94180-62073

jiwa-shep@behlmotors.com

Plot No: 6,7, Industrial Area, Phase-III,

Sauli Khad, Mandi (Himachal Pradesh)- 175001



JOINT INSPECTION REPORT

For JIWA-II (1.75 MW) in favour of Behal Motors, Jiwa Nallah Forest Range, GHNP Forest Division Shamshi, Distt. Kullu H.P.

Date of Inspection: - 25th June 2021

The Joint inspection of the site for the diversion of **Total 0.8344 Hectare** in which **0.8223 hectares** of forestland & **0.0121 Hectare** of Private Land is involved, was carried for the construction of **Jiwa-II (1.75 MW)** Small Hydro Electric Power Project in the presence of staff of Forest Department and Revenue Department on **25th June 2021**.

The User Agency has proposed three different alignments.

Alignment 1:- Alignment 1st involves thick forest, Moreover, the topography of the same is not suitable for tunnelling. More forest area will be involved in this plan as compared to the 2nd Alignment. Therefore, this alignment was not recommended.

Alignment 2:- In the 2nd alignment total **0.8344 Hectare** in which **0.8223 hectares** of forestland & **0.0121 Hectare** of Private Land is involved with the least number of trees getting affected and in this alignment, no major digging of forest land will be involved for laying of the penstock. Since Alignment-2 is geologically more stable, involves minimum forest land and the least number of trees. Therefore Alignment-2 has been finalized.

Alignment 3:- Alignment 3rd is technically not feasible. This alignment if undertaken will result in head loss thereby reducing the feasibility/ viability of the project. Alignment 3 also involves a lot of tunnelling work & the topography of the same is not suitable for the laying of Penstock and slopes are not stable for the construction of the project. Therefore, this alignment was not recommended.

There is no scope for the avoidance of forestland. However, all efforts have been made to minimize the use of forestland. The above-Proposed Forest land for diversion is not affected by any public utility, public bourn (spring), cremation or burial ground etc. The diversion of **0.8223 hectares** of forestland is the bare minimum and cannot be escaped.

The Joint Inspection Committee, therefore, recommends the diversion of **0.8223 hectares** of forestland (revenue details enclosed herewith) under section 2 of Forest Conservation Act (FCA) 1980.

Divisional Forest Officer,
GHNP Shamshi

Range Forest Officer
Jiwa Nallah Forest Range

Amars Singh
Jr. Er. Civil
HIMURJA, Kullu

Sub Divisional Officer (C)
Banjar, Distt kullu (HP)

Naiib Tehsildar
Sub Tehsil Sainj

Authorized Signatory
M/s Behal Motors.

मिड बुक वाकत निर्माण लघु जला विद्युत परियोजना
जीवा नाला सेज-4 (175) मा.प. लाही रोड कोट
शेखर उप तहसील सेज जिला, कुल्लु, (हि.पु.)

क्र.सं.	समाप्त नंबर		इ.स.सं.सं. संख्या	समाप्त संख्या कि.मि.सं.	वै.मि.सं.
	समाप्त	संख्या			
1	2	3	4	5	6
1	अ.स.सं. 1	इ.स.सं. 1	$14 \times 8 = 112$	0-5-12 सं. कुल्लु	वै.मि.सं.
2	—	इ.स.सं. 2	$6 \times 2 = 12$	00-12 व.सं.सं.	इ.स.सं. 2
3	—	इ.स.सं. 3	$20 \times 2 = 40$	010-16 व.सं.सं.	वै.मि.सं.
4	—	—	अ) $20(1+2) = 30$ ब) $18 \times 2 = 36$ ग) $26 \times 2 = 52$ घ) $12 \times 2 = 34$ ङ) $12 \times 2 = 24$		
5	—	इ.स.सं. 4	$14 \times 5 = 70$	0-3-10 व.सं.सं.	M.O-I
6	—	इ.स.सं. 5	$16 \times 1 = 16$	0-0-16 व.सं.सं.	सं.सं. पाईप
7	—	इ.स.सं. 6	$24 \times 5 = 120$	0-6-0 व.सं.सं.	डि.सं.सं. 2
8	—	इ.स.सं. 7	$14 \times 5 = 70$	0-3-10 व.सं.सं.	M.O-II
9	—	इ.स.सं. 8	$19 \times 2 = 38$	3-11-2 व.सं.सं.	वै.मि.सं.
		अ) $17 \times 2 = 34$			
		ब) $28 \times 2 = 56$			
		ग) $20 \times 2 = 40$			
		घ) $28 \times 2 = 56$			
		ङ) $8 \times 2 = 16$			
		च) $8 \times 2 = 16$			
		छ) $28 \times 2 = 56$			

1	2	3	4	5	6
	अ.प्र. नं. 10 दिल्ली, 1910		क) $28 \times 2 = 56$ ख) $22 \times 2 = 44$ ग) $10 \times 2 = 20$ घ) $28 \times 2 = 56$ ङ) $19 \times 2 = 38$ च) $11 \times 2 = 22$ छ) $57 \times 2 = 102$ ज) $51 \times 2 = 102$ झ) $20(1 \frac{1}{2}) = 30$ ञ) $45 \times 2 = 90$ ट) $30 \times 2 = 60$ ठ) $6 \times 2 = 12$ ड) $19 \times 2 = 38$ ढ) $30 \times 2 = 60$ ण) $30 \times 2 = 60$ त) $14 \times 2 = 28$ थ) $7 \times 2 = 14$ द) $20 \times 2 = 40$ ध) $20 \times 2 = 40$ न) $16 \times 2 = 32$ <u>1422</u>		
	—11—	अ.प्र. नं. 9	$7 \times 5 = 35$	0-1-15	M.O.-III
0	—11—	अ.प्र. नं. 10	$14 \times 2 = 28$	व. क. व. र. 1-8	M.O.-IV
11.	—11—	अ.प्र. नं. 11	$14 \times 5 = 70$	व. क. व. र. 0-3-10	क्रि. प्र. प्र. प्र.
12.	—11—	अ.प्र. नं. 12	$14 \times 9 = 126$	व. क. व. र. 0-6-6	M.O.-V
13.	—11—	अ.प्र. नं. 13	$98 \times 2 = 196$	व. क. व. र. 0-9-16	प्र. प्र. प्र. प्र.

कोई कुछ बात निर्णय लवु बिना बिदुल कोचोना
 जीका नाला स्लेक - II (1.75) मी मी रैला कोई बलास
 इपलसु सैन्ड फिला लुलु (सि.पु.)

संक्रा	नम्बर	साल	नम्बर	इल्लेक्शंस	रकवा	मय फिल	मोडिफ
1	2408	2401		18 X 2 = 36	0-3-0	सम्पन्न गाँ	
		2401		गो 17(1+2) = 25	वांलो 0	मय प्रमिल बिदु	
		2		61	0-0/21	वांलो	
2	अक्र कोच लुलुडा			वाक हि-होड गाम्	7-15-0	वकल्ल	
3	गो 11- हुं नं 18			रकवा वकल्ल रकवा			
				40(1+2) = 60	0-3-0	सम्पन्न गाँ	
				14 X 2 = 28	वकदीक	मय प्रमिल बिदु	
				क) 11 X 2 = 22	0-6-15	वांलो	
				ख) 14(1+2) = 21	वकदीक	मुनिगल	
				ग) 11 X 2 = 22		सम्पन्न गाँ	
				घ) 7 X 2 = 14		मय प्रमिल	
				ड) 14 X 2 = 28		बिदुल वांलो	
4	गो 11- हुं नं 10			135			
				14 X 2 = 28	0-9-16	सम्पन्न गाँ	
				क) 21 X 2 = 42	वकदीक	मय प्रमिल	
				ख) 21 X 2 = 42		बिदुल वांलो	
				ग) 42 X 2 = 84			
				196			
5	गो 11- हुं नं 21			14 X 7 = 98	0-4-18	मो-III	
					वकदीक		
6	गो 11- हुं नं 22			7 X 7 = 49	0-2-9	फल्ल	
					मय प्रमिल	लवु बिदु	
7	गो 11- हुं नं 23						
8	गो 11- हुं नं 24						

REMARKS
 23/4/21
 23/4/21
 23/4/21

(3)

1-	2	3	4	5	6
14.	एक वंश टुकड़ा किला पैसा नं०/4	$35 \times 21 = 735$	1-16-15 वंकडी	उत्तराव/८ विषयभास	
15.	11- टुकड़ा नं०/5	$18 \times 1 = 18$	००/18 वंकडी	लिख रेखा	
16.	11- टुकड़ा नं०/6	$18 \times 11 = 198$	०-9-18 वंकडी	MD-VI	
17	11- टुकड़ा नं०/7	$21 \times 2 = 42$ $\frac{300 \times 21 \times 2 = 42}{84}$	०-4-4 वंकडी	सम्यक्कारण व अधिक दिवस कर	

जुमला/मजमन वन्दरविल, पैसा इति = 8-16-12 कर
 $+ 1-6-18$
 $\frac{10-3-6}{08223}$
 $= 0-3-0$
 $= 0.0/1/8$


पडवाल

राममलनीयली मुनि

कुल रक्क =

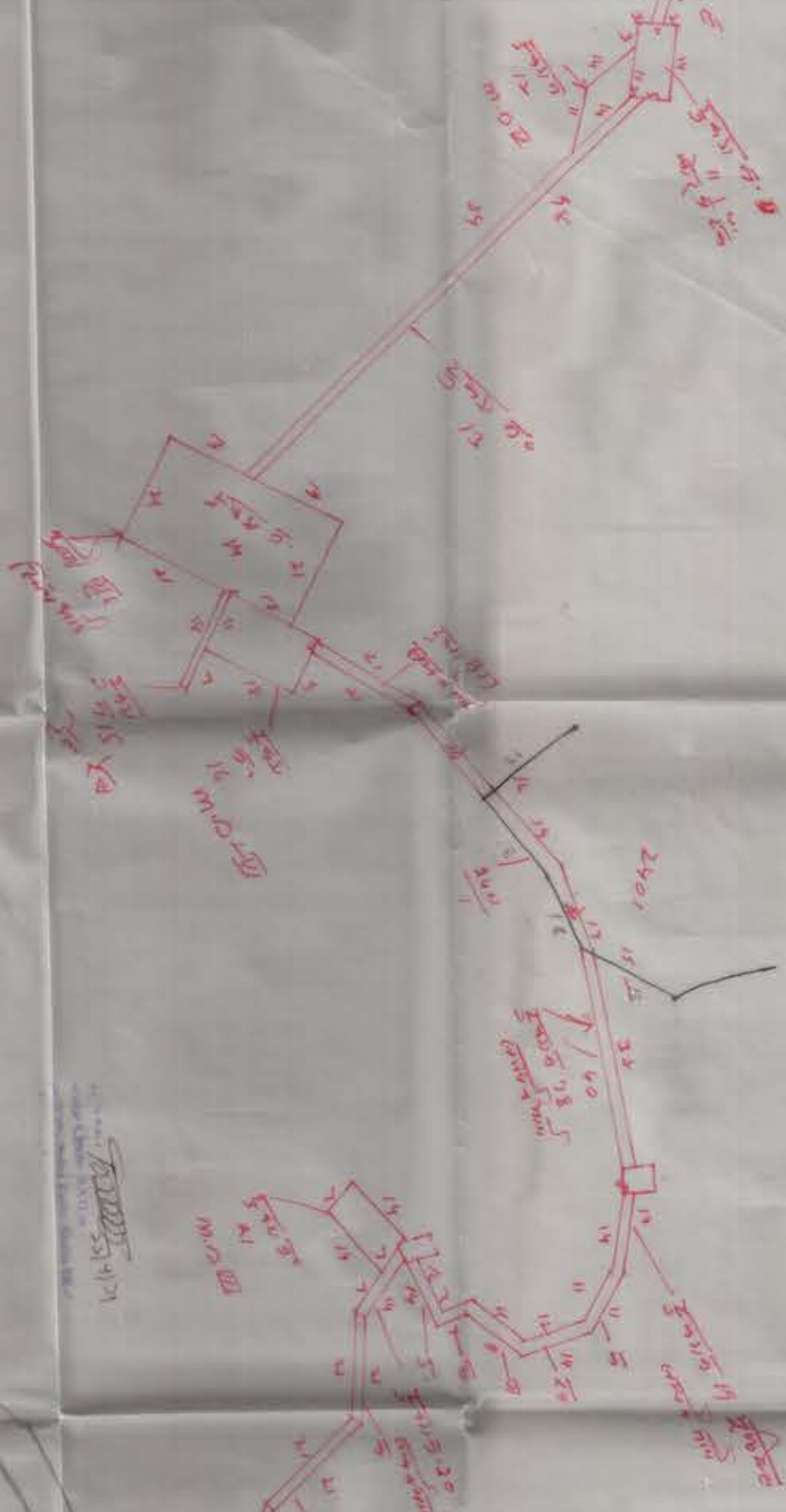
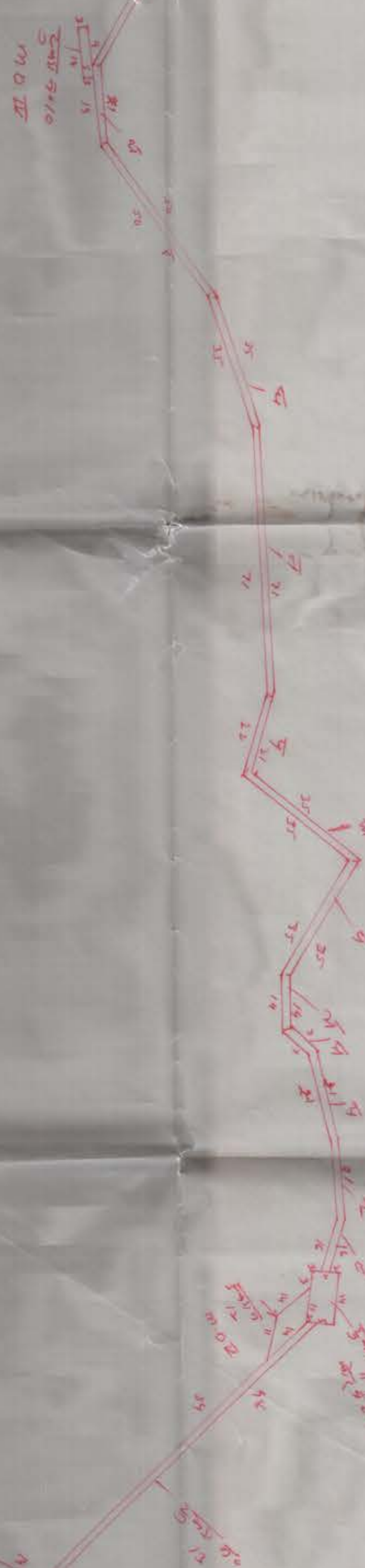
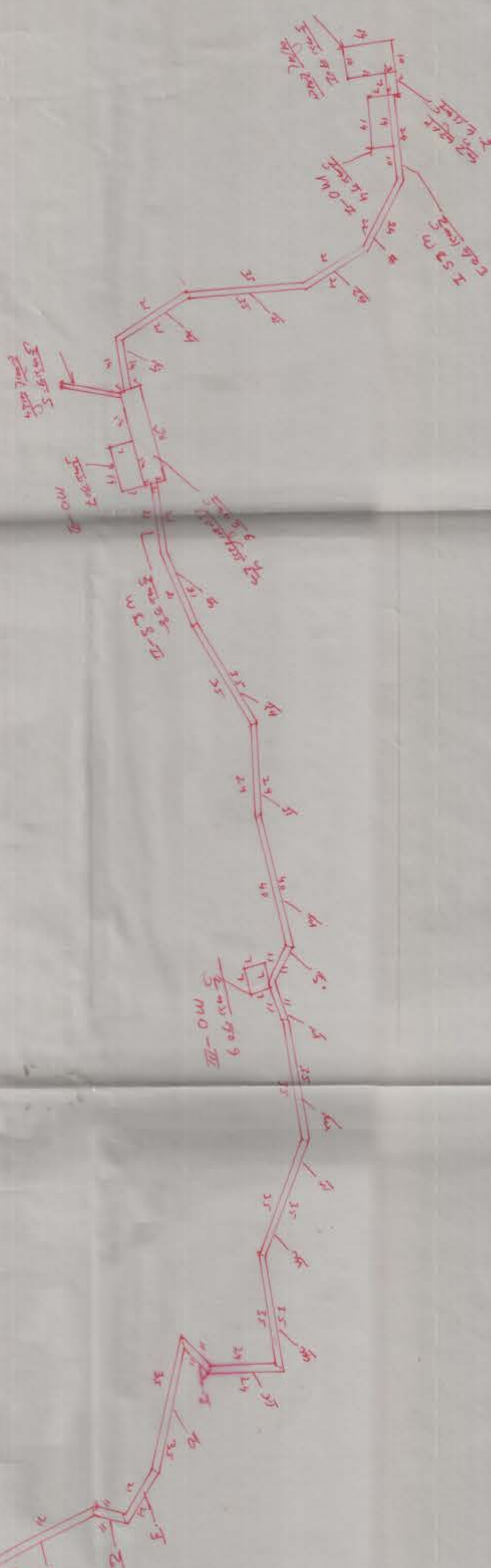
10-6-10
 Total = 08344

हाका
 22/4/21


 22/04/2021
 ग्रामीण सचिव/विधिकारी
 पुनः प्रमाणित उप. स. वि. नं.
 किला कुल्लू (हि.प्र.)

[illegible]

24112 2 1/2
20 3 1/2 1/2 1/2



10/11/21

[Signature]

5/19/20

अनायास पुनः पत्र

मैंने देखा था पुनः मोहन साहब जी का शरीर लाल हो रहा था,
कोई मल्लाह लहलहा में गाँव का लड़ाई निवास है।
मैंने अभी 7 वारों 2401 कागज लाल हो रहा, कोठी मल्लाह
में लिखा है। जिसमें खाली 5 दिनांक 2401। अब,
मोहन जी 0-3-0 वरिष्ठ, अभी लुप्त जल किछु उल्टा
जल, मल्लाह में लाल रहा है। इसके में कोई भी
लाला नहीं है। मैंने अभी उल्टा की विलेज में को 'वा' का
उल्टा न है।

यह मैंने लिखा है, मैंने अभी लाला में लाला लाला
लाला है। उल्टा लाला 0-3-0 लाला लाला लाला लाला
लाला में लाला है।

दिनांक

लाला लाला

देखा था
लाला

02/11/2022

For BEST MOTORS

Best Motors

Form-I
(for linear projects)
Government of Himachal Pradesh.

Office of the District Collector, Kullu, Distt. Kullu, H.P.

No: 1565 /DRA

Dated: 01-07-22

TO WHOM SO EVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forest (MoEF), Government of India's letter No. 11-9/98-FC (pt.) dated 3rd August 2009 wherein the MoEF issued guidelines on submission of evidence for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 ('FRA' for short) on the forest land proposed to be diverted for non-forest purposes read with MoEF's letter dated 5th February 2013 wherein MoEF issued certain relaxation in respect of linear projects, it is certified that **0.8223 hectares** of forest land proposed to be diverted in favour of M/s **Behl Motors Sauli Khad Mandi** for construction of **Jiwa-II SHEP (1.75 MW)** in Kullu district falls within jurisdiction of **Gram Panchayat Raila** in Sub-Tehsil Sainj.

It is further certified that:

- (a) The complete process for identification and settlement of rights under the FRA has been carried out for the **0.8223 hectare** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub Division Level Committee(s) and District Level Committee are enclosed as annexure A to annexure D.
- (b) The diversion of forest land for facilities managed by the Government as required under section 3 (2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- (c) The proposal does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural communities.

Encl: As above.

(Ashutosh Garg, IAS)
District Collector,
Kullu

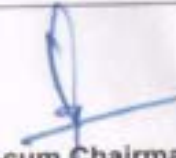
Proceedings of the meeting of the District Level Committee constituted under Schedule Tribes & Other Traditional Forest Dwellers (Recognition of Forest Rights) Act (FRA), 2006.

A meeting of the District Level Committee of Kullu District, constituted under FRA, 2006 was held under the Chairmanship of Sh. Ashutosh Garg, IAS, Deputy Commissioner, Kullu on 27/06/2022 at 3.00 PM at Kullu in which the application(s) claiming rights in Gram Panchayat Raila forest area under FRA, 2006, of the following applicant(s), duly processed and recommended by the Sub Division Level Committee(s) of Banjar Sub Division(s), were discussed to consider the same for admission by the District Level Committee.

After scrutiny of the documents and detailed discussions the following decisions were taken on each application:-

Name of Applicant	Purpose	Decision
M/s Behl Motors Soli Khud Mandi	Diversion of 0.8223 hectare of forest land for the construction of Jiwa-II SHEP (1.75 MW), in Sub-Tehsil Sainj, Distt. Kullu (H.P)	Admitted

Place: Kullu


DC-cum Chairman/Chairperson,
District Level Committee,
Kullu District HP.

अनुसूचित जनजाति और अन्य परम्परागत वन निवासी (वन अधिकारों की मान्यता) अधिनियम 2006।

वन अधिकार समिति

वार्ड नं० ५.....

प्रस्ताव संख्या..... 7

दिनांक 9/3/2022

वन अधिकार समिति वार्ड नं० 5 2722 की बैठक
आज दिनांक 9/3/2022 को 11 बजे स्थान 2722 में श्री / श्री मति
प्रमोद सिंह की अध्यक्षता में की गई जिसमें

.....
गाँव/गावों के अनुसूचित जनजाति और अन्य परम्परागत वन निवासियों से अनुसूचित
जनजाति और अन्य परम्परागत वन निवासी (वन अधिकारों की मान्यता) अधिनियम 2006 के
अन्तर्गत 2722 जंगल/ वन क्षेत्र से सम्बन्धित वन अधिकारों
के दावे हेतु प्राप्त आवेदकों पर चर्चा की गई, जिसमें 2722-11 Inlet 1.75 m
के निर्माण के लिए 2722
हेक्टर वन के उपयोग भूमि की मंजूरी प्रस्तावित है।

वन अधिकारों के प्रस्ताव के साथ प्रस्तुत दस्तावेज के अध्यक्षता तहत
उस पर विस्तृत चर्चा के उपरान्त यह समिति इस नतीजे पर पहुंची है कि श्री / श्री मति
का जंगल/ वन क्षेत्र में

..... के लिए अधिकार
हेतु दावा नियमानुसार सही पाया गया/ तदनुसार समिति इस दावे को पारित करते
हुए उप खण्ड स्तर की समिति को प्रेषित करती है/ तदनुसार समिति इस दावे को निरस्त
करती है।

अध्यक्ष
वन अधिकार समिति 2722
श. शरन डा0 रैला
जिला कुल्लू (हि.प्र.)
आध्यक्ष,
वन अधिकार समिति

सचिव
वन अधिकार समिति
सचिव
वन अधिकार समिति
वार्ड नं० 5 शरन डा0 रैला
जिला कुल्लू (हि.प्र.)

स्थान 2722
दिनांक 9/3/2022

प्रोजेक्ट/ कार्य का नाम जिसके लिए वन (संरक्षण) अधिनियम 1980 के अंतर्गत वन भूमि के
उपयोग की अनुमति दी जानी है।

0.12
15/01/2022

Annexure-V

अनुसूचित जनजाति और अन्य परम्परागत वन निवासी (वन अधिकारों की मान्यता) अधिनियम 2006।

ग्राम सभा/मुहाना सभा शरन

विकास खण्ड कुल्लू, जिला कुल्लू (हि0प्र0)

प्रतिलिपि प्रस्ताव

गणपूर्ति 69
98

दिनांक 9/3/2022
प्रस्ताव संख्या 7

विषय BEHL Motors विभाग/संस्था को JWA-II SHEP

1.75 MW के निर्माण हेतु
जंगल/वन क्षेत्र में प्रस्तावित 0.8223 हेक्टर वन भूमि के उपयोग की मंजूरी के
लिए अनापत्ति प्रमाण पत्र जारी करने हेतु।

ग्राम सभा शरन की बैठक आज दिनांक 9/3/2022
को 11 बजे, स्थान शरन में की गई,
जिसमें शरन विभाग/संस्था को

के निर्माण हेतु 0.8223 जंगल/वन क्षेत्र में प्रस्तावित
हेक्टर वन भूमि के उपयोग की मंजूरी के लिए सहमति प्रदान करने पर चर्चा की गई।

सभी ग्राम वासीयों ने सम्बन्धित वन भूमि के प्रस्तावित कार्य हेतु उपयोग के
उद्देश्यों को पूरी तरह समझने के बाद सर्व सम्मति से यह निर्णय लिया कि ग्राम सभा को
उपरोक्त प्रस्ताव के लिए वन भूमि दिए जाने पर कोई आपत्ति नहीं है।

ग्राम सभा की इस बैठक में अनुसूचित जनजाति और अन्य परम्परागत वन
निवासी (वन अधिकारों की मान्यता) अधिनियम, 2006 के अन्तर्गत वन अधिकारों के दावों के
निपटारे पर भी चर्चा की गई तथा सर्व सम्मति से यह पारित किया गया कि उपरोक्त
अधिनियम के अन्तर्गत वन अधिकारों के दावों के निपटारे सम्बन्धित सारी प्रक्रिया पूरी की जा
रही है/कर ली गई है तथा प्रस्तावित 0.8223 हेक्टर वन भूमि
को JWA-II SHEP 1.75 MW निर्माण हेतु उपयोग के लिए ग्राम
सभा शरन की सहमति दी जाती है।

शरन
ग्राम पंचायत रेल
विकास खण्ड कुल्लू हि0

स्थान शरन
दिनांक 9/3/2022



अधिकृत हस्ताक्षरकर्ता,
ग्राम सभा शरन

तिथि
मिडी
DATE

कार्यवाही
कमेटी

PROCEEDING
BOOK

कारवाही
कमेटी

पुस्तक नं० ७

पुस्तक संख्या - ७ दिनांक २१-१२-२०२१

०१ F.R.C की ग्राम सभा की बैठक में ६०/२००
की उपस्थिति में श्री परमराम प्रधान की अध्यक्षता
में पारित किया गया निम्नलिखित बिषय।

विषय - जीवा नाला स्टेशन २ नामक स्थान पर
बैटल मोटर प्लाट नं० ७ विद्युत परियोजना का
निर्माण करने वाले अनापति प्रमाण पत्र जारी करने
वाले।

- ०२ ग्राम सभा बैठक में सर्वसम्मति से प्रस्ताव पारित
किया गया पंचायत क्षेत्र के जीवा नाला स्टेशन २
नामक स्थान पर बैटल मोटर प्लाट नं० ७ स्टेशन
इन्टरमीडिएट स्तर पर जैस ३ सौटी सड़क हाईवे प्रोपेटर
१.७५ M.W निर्माण के लिए ०.८२२३ हेक्टर
वन भूमि पर विद्युत परियोजना का निर्माण करना
पारित है। F.R.C को इस प्रोजेक्ट लगाने से
कोई आपत्ति नहीं है अतः F.R.C शसन
अनापति प्रमाण पत्र जारी करती है।

वन समिति के उपस्थित सदस्यों द्वारा
मोमसुबकी गई जो निम्न प्रकार से है

१. ७०% स्थाई रोजगार प्राथमिकता के आधार पर
शसन गांव (वार्ड नं० ५) के निवासियों को दिया जाए।
२. जो भी इस परियोजना में काफी योगदान देगा वही स्थानीय
शसन गांव व रीखा पंचायत के निवासियों को दिया जाए।
३. गांव शसन में माता अष्टापुरी के मन्दिर निर्माण हेतु
अनुरोध F.R.C शसन को उपलब्ध कराया जाए।
४. परियोजना के हर कार्य में स्थानीय लोगों की ही
गादियां लगनी चाहिए।

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रहे कपरी पट्टर जो भी सालदि होगी वही
जबजिकता के आधार पर शरणगोव के निवासियों
को दी जाए।

6

शरण गोव में आधुनिक विप नक्का तलहि की
जावे।

आगर उपरोक्त गाँव जेजैकर दूधारि गाँवों
को पूर्ण करने में असमर्थ रहता है तो
F.R.C शरण (वाडिन 5) को गोववासी
अनापति प्रमाण पर को रद्द करने की
पूर्ण हकदार होगी।

प्रमाणित किया जाता है कि नक्का F.R.C
शरण को कार्यावाही रजिस्टर अनुसार
स्थिति है।

क्र	नाम	पद	गोव	हस्ताक्षर
1	फरस राम	उद्धान	शरण	
2	लौतम राम	सचिव	"	
3	खिला देवी	उद्धान द.प.	राम	
4	मान दास	सहस्र	शरण	
5	बारा देवी	"	शरण	गोरा देवी
6	धैतन्या देवी	"	शरण	Chaturam

सचिव
गन अधिकार समिति
कार्ड नं 5 गान का रेल
काका रोड गिरा कुलु (वि.प्र.)

तिथि प्रमाण
स्थिति में श्री/
य - बेल म
प्रमाण पर
प्रमाण पर
गमक स्थान पर
W निर्माण के
वे इस प्रमाण
प्रमाण में उपस्थित
तिथि प्रमाण
जाए।
इस प्रमाण
में को दिया
में माता अ
क हर कार
स्थिति जो
को दिया
प्रमाण प्रमाण
रेखा के

तिथि भिडी DATE	कार्यवाही कमेटी	PROCEEDING BOOK	कारवाही कमेटी
7	हरि-चंद S/o	हरि-चंद S/o	हरि-चंद
8	रमेश कुमार S/o	रमेश कुमार S/o	रमेश कुमार
9	उत्तम राम S/o	उत्तम राम S/o	उत्तम राम
10	नन्तल राम S/o	नन्तल राम S/o	नन्तल राम
11	नरैलु राम S/o	नरैलु राम S/o	नरैलु राम
12	लोतम राम S/o	लोतम राम S/o	लोतम राम
13	मेरी राम S/o	मेरी राम S/o	मेरी राम
14	ध्यान सिंह S/o	ध्यान सिंह S/o	ध्यान सिंह
15	सोम प्रसाद S/o	सोम प्रसाद S/o	सोम प्रसाद
16	शेर सिंह S/o	शेर सिंह S/o	शेर सिंह
17	ओलम-चंद S/o	ओलम-चंद S/o	ओलम-चंद
18	लाल राम S/o	लाल राम S/o	लाल राम
19	धान सिंह S/o	धान सिंह S/o	धान सिंह
20	बसंत मणि S/o	बसंत मणि S/o	बसंत मणि
21	मीन S/o	मीन S/o	मीन
22	पाल सिंह S/o	पाल सिंह S/o	पाल सिंह
23	हिमा चंद S/o	हिमा चंद S/o	हिमा चंद
24	परीवत S/o	परीवत S/o	परीवत
25	हिकम राम S/o	हिकम राम S/o	हिकम राम
26	धन सिंह S/o	धन सिंह S/o	धन सिंह
27	पती देवी S/o	पती देवी S/o	पती देवी
28	कला देवी S/o	कला देवी S/o	कला देवी
29	सुल राम S/o	सुल राम S/o	सुल राम
30	मीन देवी S/o	मीन देवी S/o	मीन देवी
31	उत्तम चंद S/o	उत्तम चंद S/o	उत्तम चंद
32	लक्ष्म देवी S/o	लक्ष्म देवी S/o	लक्ष्म देवी
33	पूरन चंद S/o	पूरन चंद S/o	पूरन चंद
34	इल्लु राम S/o	इल्लु राम S/o	इल्लु राम

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36	भामर चंद	पति	शरण	भामर	
37	परी दा	पति	शरण	परी	
38	इंद्र चंद	पति	शरण	इंद्र	
39	विमला देवी	पति	शरण	विमला	
40	वनी देवी	पति	शरण	वनी	
41	लीला देवी	पति	शरण	लीला	
42	गोमू देवी	पति	शरण	गोमू	
43	निर्मला देवी	पति	शरण	निर्मला	
44	लोहम राम	पति	शरण	लोहम	
45	सावना देवी	पति	शरण	सावना	
46	सावना देवी	पति	शरण	सावना	
47	मनोज कुमार	पति	शरण	मनोज	
48	विजय कुमार	पति	शरण	विजय	
49	शान दासी	पति	शरण	शान	
50	डोहमा देवी	पति	शरण	डोहमा	
51	गोमू देवी	पति	शरण	गोमू	
52	प्रमिता देवी	पति	शरण	प्रमिता	
53	तारुण कुमार	पति	शरण	तारुण	
54	मिना कुमारी	पति	शरण	मिना	
55	आर्या देवी	पति	शरण	आर्या	
56	कुमार देवी	पति	शरण	कुमार	
57	जय कुमारी	पति	शरण	जय	
58	जयदेव राम	पति	शरण	जयदेव	
59	धर्म धर्मदेव देवी	पति	शरण	धर्म	
60	हेतराव	पति	शरण	हेतराव	
61	कान्ता देवी	पति	शरण	कान्ता	
62	लक्ष्मी देवी	पति	शरण	लक्ष्मी	
63	दुर्गा देवी	पति	शरण	दुर्गा	

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64	भीमा देवी	w/o शैलम लाल	शरण	हरनाथ
65	लीला देवी	w/o श्याम सिंह	शरण	बोर्लादे
66	पिंकु देवी	w/o पुस्त चन्द	शरण	लीलादेवी
67	नूरमा देवी	w/o शैलम राम	शरण	पिंकु देवी
68	परी देवी	S/o के.के.के.	शरण	नूरमा देवी
69	पुष्पा देवी	S/o नरेश चण्ड	शरण	परी देवी

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गम पंचायत

गम पंचायत

HIMACHAL PRADESH STATE ELECTRICITY BOARD LIMITED
(A STATE GOVERNMENT UNDERTAKING)



Registered Office: HPSEBL, Vidyal Bhawan, Shimla-171004 (H.P.)
CIN: U40109HP200980CO31233
Tele-Fax: 01772653656
Website: www.hpsebl.com
Email: info@hpsebl.com; general@hpsebl.com

No. HPSEBL/CE(SP)/(IPSP)/DB-65(A)NP/ Vol-X/2021 2138-40 Dated:- 21/02/2021
To

M/s Behl Motors,
Plot No. 6&7, Industrial Area,
Phase-III, Sauli Khad, Mandi (HP).

Sub:- Feasibility for connectivity of Jiwa-II SHEP (1.75MW).

Ref:- Your office letter no. Nil dated 21.01.2021.

This is in reference to your office letter cited above, it is intimated that the power evacuation of Jiwa-II SHEP (1.75 MW) is feasible at Raila Spur of 11kV Neuli feeder emanating from the existing 33/11kV, 2x3.15 MVA Sub-Station Sainj by making arrangement for the interconnection facilities near the JSV lift water scheme. The evacuation arrangement is subject to the following terms & conditions:-

- 1 IPP shall bear the cost of providing interconnection facilities and 11kV HT Line from the power house to said interconnection point. Necessary right of way (ROW) for the HT Line and land for the interconnection facilities shall also be arranged by the IPP.
- 2 Losses at 11kV from interconnection point to 33/11 kV S/Stn. Sainj shall be borne by the IPP.
- 3 No deemed generation shall be allowed.

It is therefore requested that the consent of the above terms & conditions on the non-judicial stamp paper should be submitted to this office for further perusal of the case.

S/S 19/8
(Er. S. K. Dhiman)
Chief Engineer (SP),
HPSEB Ltd. Uttam Bhawan,
Dogra Lodge, Shimla-171004.

Copy of above is forwarded to the following for information and necessary action please:

- 1 The Chief Engineer (Op), Central Zone, HPSEBL, Mandi (HP).
- 2 The General Manager (C&D), HPPTCL, Himfed Bhawan, Panjeri (Below Quarters), Shimla-171005.

S/S 19/8
Chief Engineer (SP),
HPSEB Ltd. Uttam Bhawan,
Dogra Lodge, Shimla-171004.

For

At

LAYOUT PLAN OF JIWA-II SHEP 1.75 MW

LAND REQUIREMENT DETAIL OF JIWA-II SHEP 1.75MW

Sr.No	Name Of Component	Detail of Measurement		Area(m2)	Remarks
		L	W		
1	Weir	19.88	11.36	226	
2	Intake Tank	8.52	2.84	24	Forest Land
3	WCS-1	153.36	2.84	436	Forest Land
4	Desilting Tank	34.08	7.10	242	Forest Land
5	Scour Pipe	22.72	1.42	32	Forest Land
6	WCS-2	1018.14	2.84	2892	Forest Land
7	Forebay Tank	19.88	7.10	141	Forest Land
8	Penstock	139.16	2.84	395	Forest Land
9	Power house cum Switchyard	49.70	29.82	1482	Forest Land
10	Tail Race	25.56	1.42	36	Forest Land
11	Road cum U/G Transmission Line-1	59.64	2.84	169	Forest Land
12	Interconnection Point	9.94	9.94	99	Forest Land
13	Road cum U/G Transmission Line-2	42.60	2.84	121	Forest Land
		42.60	2.84	121	Private
14	Road cum U/G Transmission Line-3	96.00	2.84	273	Forest Land
15	Road cum U/G Transmission Line-4	139.16	2.84	395	Forest Land
16	Muck Dumping Site-1	19.88	7.10	141	Forest Land
17	Muck Dumping Site-2	19.88	7.10	141	Forest Land
18	Muck Dumping Site-3	9.94	7.10	71	Forest Land
19	Muck Dumping Site-4	19.88	2.84	56	Forest Land
20	Muck Dumping Site-5	19.88	12.78	254	Forest Land
21	Muck Dumping Site-6	25.56	16	399	Forest Land
22	Muck Dumping Site-7	19.88	9.94	198	Forest Land
				8344	Sqm
				0.834	Hect

Total Land=0.834hect
Total Forest Land=0.822hect
Private Land=0.012hect

Sr.No.	REFERENCES	SYMBOL
1	TRENCH WEIR	
2	WATER CONDUCTOR	
3	DESILTING TANK	
4	POWER CHANNEL	
5	FOREBAY TANK	
6	PENSTOCK	
7	POWER HOUSE	
8	BRIDGE	
9	ROAD	
10	TUNNEL	
11	HUT	
12	BUILDING	
13	BOLDER & WALL	
14	ROCK BOTTOM	
15	RIVER	
16	NALLAH	
17	DRY NALLAH	
18	TAILRACE	

NAME OF WORK:- BEHL MOTORS JIWA II SHEP SAINJ(SIYUND)
IN TEHSIL BANJAR AND DISTT. KULLU

HARDPA. NEAR ZONAL HOSPITAL GANPATI ROAD MANDI

1. CONTOUR PLAN

SCALE 1:1000

2. SURVEYED BY

CHECKED BY

PROPOSED PENSTOCK

PROPOSED POWER HOUSE CUM SWITCHYARD EL-1444.78M
40.0M X 30.0M

TAILRACE EL-1440.0M

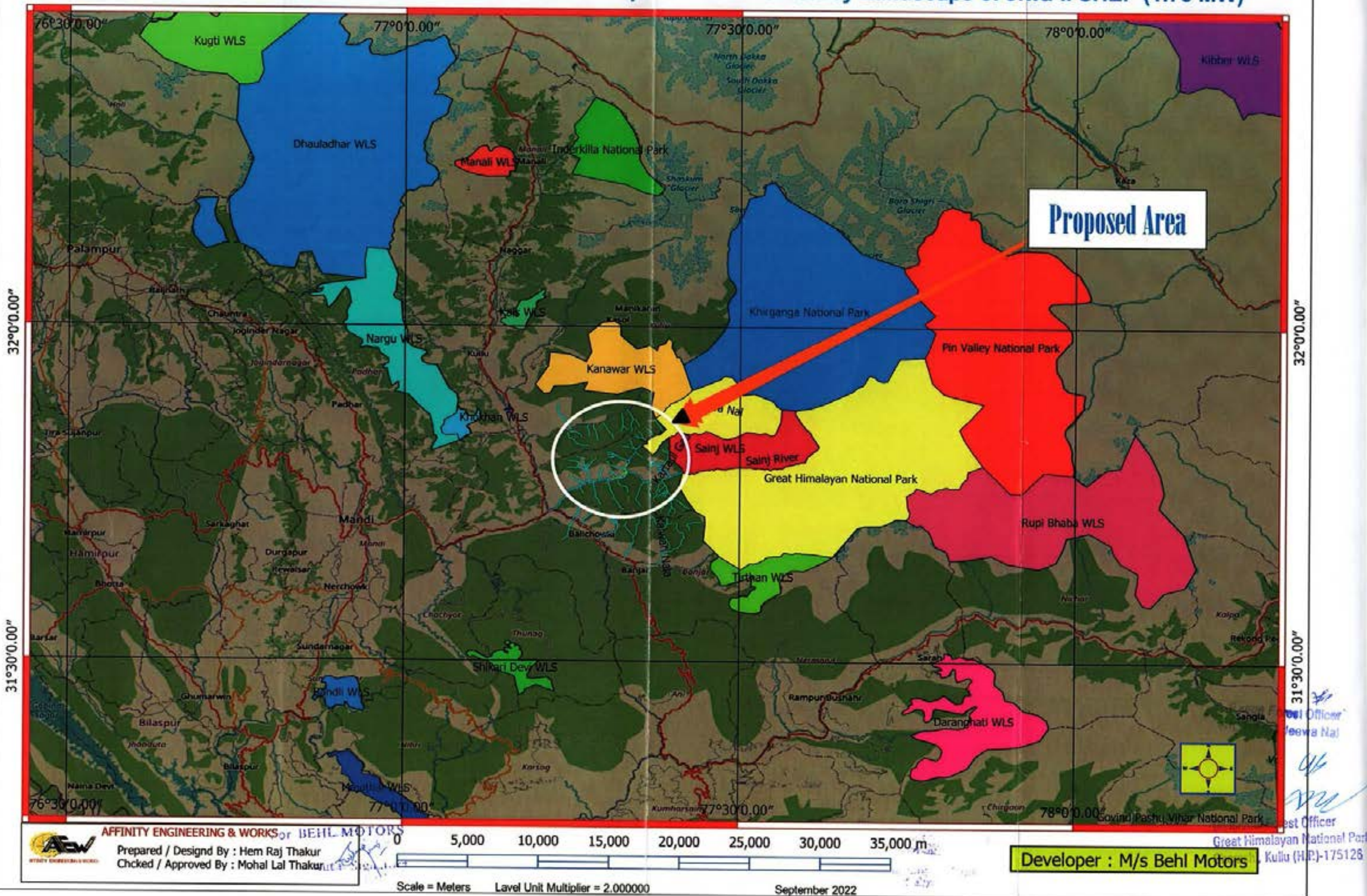
PROPOSED MUCK DUMPING SITE-6

For BEHL MOTORS
Atch

Range Forest Officer
W/L Range Jeewa Nal

Divisional Forest Officer
Great Himalayan National Park
Shimla

Digital Map of Commissioned/Under Construction/Proposed SHEP's Nearby Landscape of Jiwa-II SHEP (1.75 MW)



AFFINITY ENGINEERING & WORKS or BEHL MOTORS

Prepared / Designed By : Hem Raj Thakur
Checked / Approved By : Mohal Lal Thakur

Developer : M/s Behl Motors

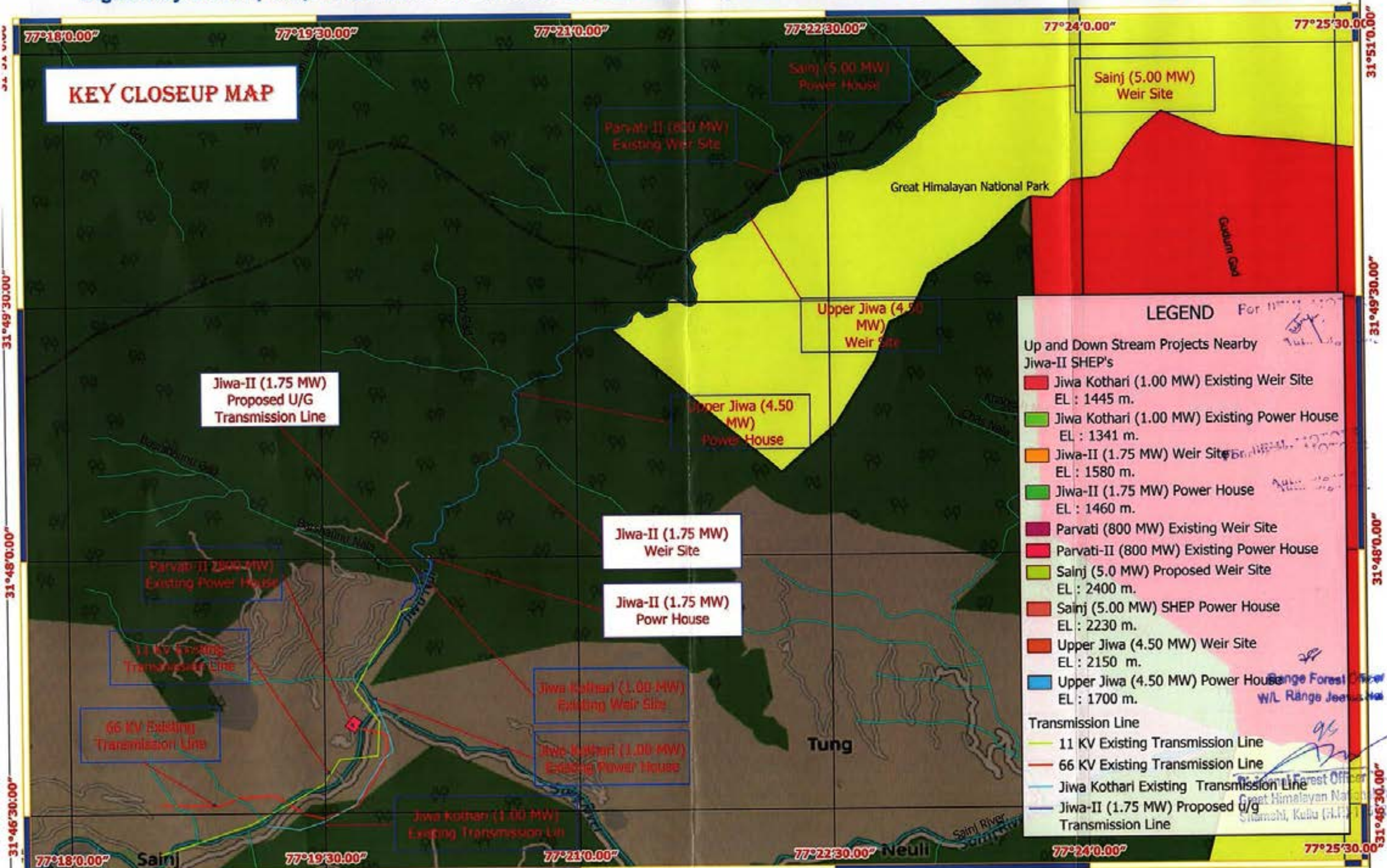
September 2022

Project Officer
Jeeva Nal
46
Project Officer

Great Himalayan National Park
Kullu (H.P.)-175126

Digital Key Closeup Map of Commissioned/Under Construction/Proposed SHEP's Nearby Landscape of Jiwa-II SHEP (1.75 MW)

KEY CLOSEUP MAP



LEGEND

Up and Down Stream Projects Nearby Jiwa-II SHEP's

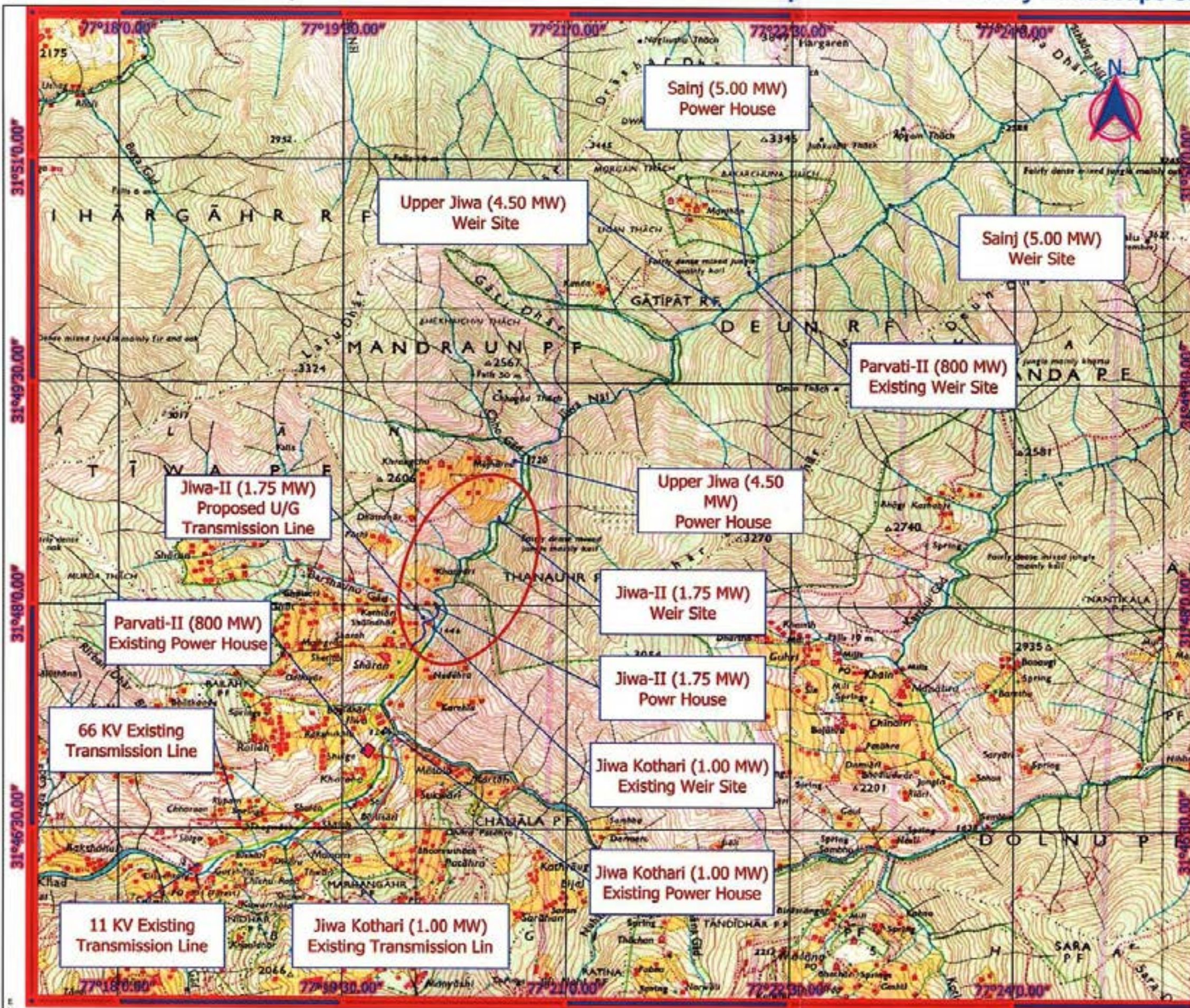
- Jiwa Kothari (1.00 MW) Existing Weir Site
EL : 1445 m.
- Jiwa Kothari (1.00 MW) Existing Power House
EL : 1341 m.
- Jiwa-II (1.75 MW) Weir Site
EL : 1580 m.
- Jiwa-II (1.75 MW) Power House
EL : 1460 m.
- Parvati (800 MW) Existing Weir Site
- Parvati-II (800 MW) Existing Power House
- Sainj (5.0 MW) Proposed Weir Site
EL : 2400 m.
- Sainj (5.00 MW) SHEP Power House
EL : 2230 m.
- Upper Jiwa (4.50 MW) Weir Site
EL : 2150 m.
- Upper Jiwa (4.50 MW) Power House
EL : 1700 m.

Transmission Line

- 11 KV Existing Transmission Line
- 66 KV Existing Transmission Line
- Jiwa Kothari Existing Transmission Line
- Jiwa-II (1.75 MW) Proposed u/g Transmission Line



Toposheet Map of Commissioned/Under Construction/Proposed SHEP's Nearby Landscape of Jiwa-II SHEP (1.75 MW)



LEGEND

Up and Down Stream Projects Nearby Jiwa-II SHEP's

- Jiwa Kothari (1.00 MW) Existing Weir Site
EL : 1445 m.
- Jiwa Kothari (1.00 MW) Existing Power House
EL : 1341 m.
- Jiwa-II (1.75 MW) Weir Site
EL : 1580 m.
- Jiwa-II (1.75 MW) Power House
EL : 1460 m.
- Parvati (800 MW) Existing Weir Site
- Parvati-II (800 MW) Existing Power House
- Sainj (5.0 MW) Proposed Weir Site
EL : 2400 m.
- Sainj (5.00 MW) SHEP Power House
EL : 2230 m.
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EL : 2150 m.
- Upper Jiwa (4.50 MW) Power House
EL : 1700 m.

Transmission Line

- 11 KV Existing Transmission Line
- 66 KV Existing Transmission Line
- Jiwa Kothari Existing Transmission Line
- Jiwa-II (1.75 MW) Proposed u/g Transmission Line



Scale Bar Unit : Meter

Laber Unit Multiplier : 1.00000

Laber of Unit : Meter

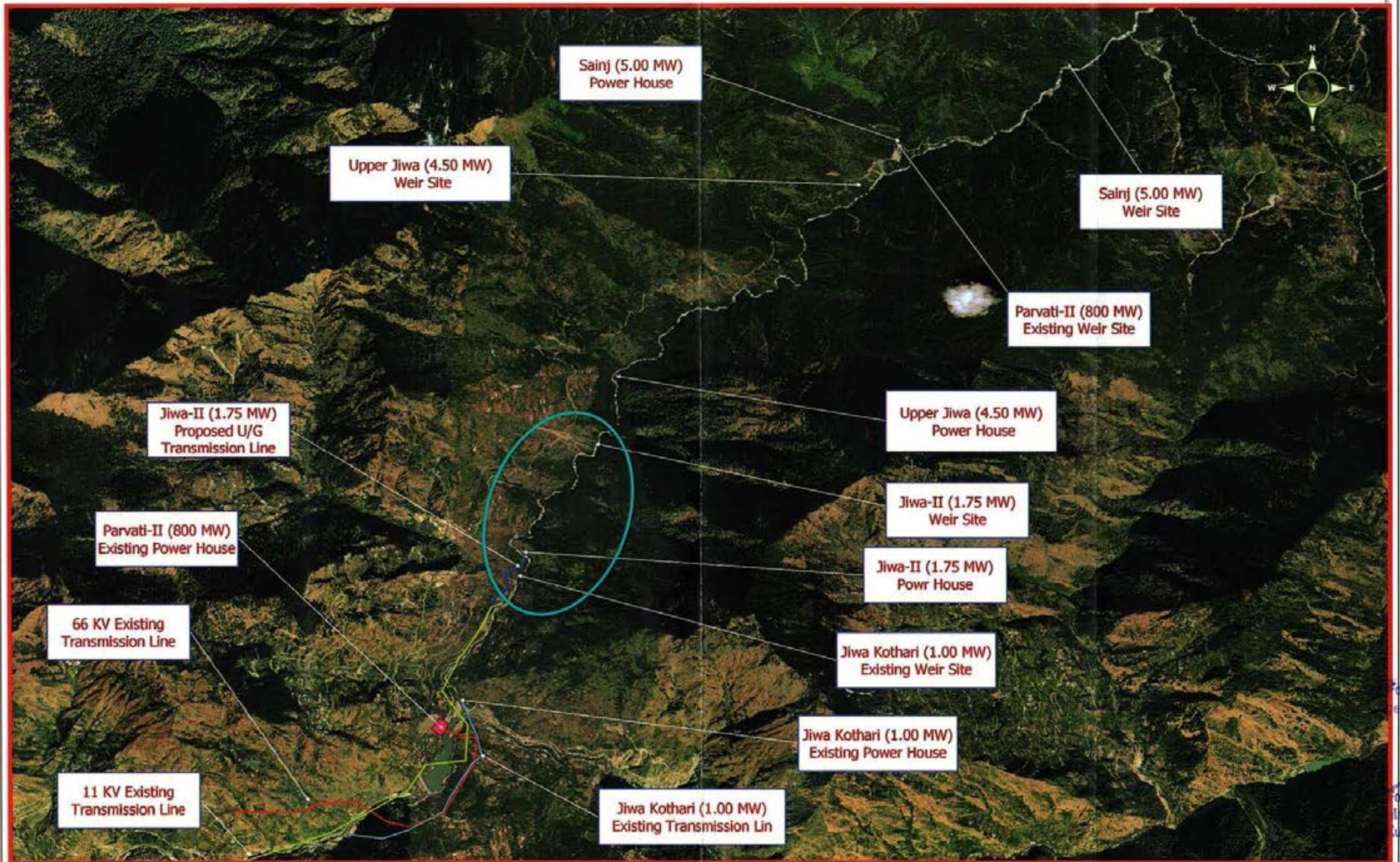
Toposheet No. : 53 E/5

Scale : 1:50000

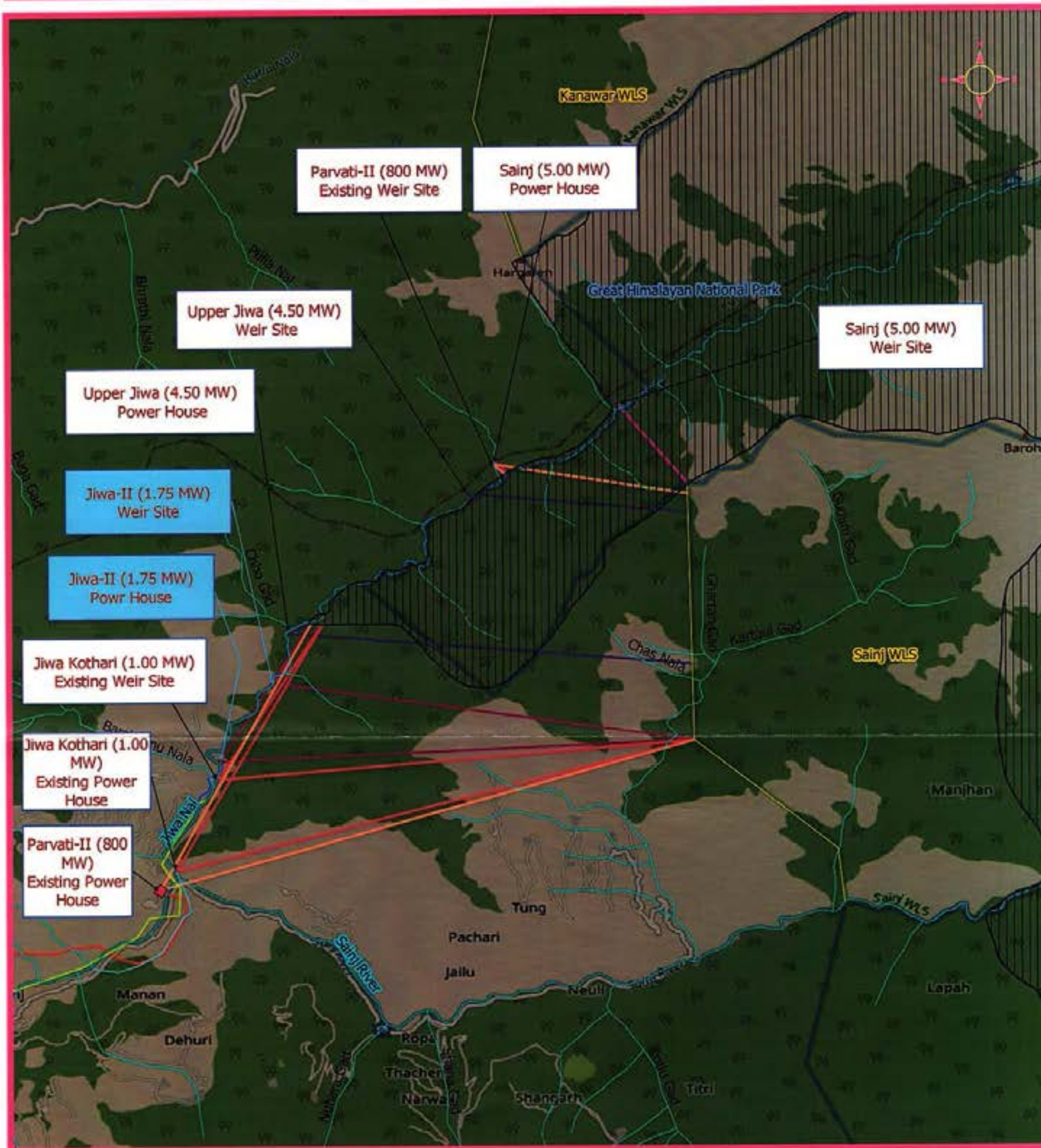
AFFINITY ENGINEERING & WORKS
Prepared / Designed By : Hem Raj Thakur
Checked / Approved By : Mohan Lal Thakur

Developer : M/s Behl Motors

Google Earth Map of Commissioned/Under Construction/Proposed SHEP's Nearby Landscape of Jiwa-II SHEP (1.75 MW)



Aerial Distance Map of Commissioned/under construction/Proposed HEP's From Nearest GHNP, WLS & ESZ in the Landscape of Jiwa-II SHEP (1.75 MW)



Aerial Distance of Nearby Boundary of GHNP & Sainj WLS

Aerial Distance

- Sainj (5.00 MW)**
Weir Site to GHNP is 0.086 Km., and falls ESZ, & Sainj WLS is 1.380 km., ESZ is = 0.38 KM.
Power House to GHNP is 0.231 Km., and falls ESZ, & Sainj WLS is 2.362 km., ESZ is = 1.362 KM.
- Upper Jiwa (4.50 MW)**
Weir Site to GHNP is 0.076 Km., and falls ESZ, & Sainj WLS is 2.664 km., ESZ is = 1.664 KM.
Power House Site to GHNP is 0.283 Km., and falls ESZ, & Sainj WLS is 4.863 km., ESZ is = 3.863 KM.
- Jiwa-II (1.75 MW)**
Weir Site to GHNP is 0.935 Km., and falls ESZ, & Sainj WLS is 5.110 km., ESZ is = 4.110 KM.
Power House Site to GHNP is 2.204 Km., ESZ is 1.204 km., & Sainj WLS is 5.692 km., ESZ is = 4.692 KM.
- Jiwa Kothari (1.00 MW) Commissioned Project**
Weir Site to GHNP is 2.531 Km., ESZ is 1.531 km., & Sainj WLS is 5.750 km., ESZ is = 4.750 KM.
Power House Site to GHNP is 3.888 Km., ESZ is 2.888 km., & Sainj WLS is 6.488 km., ESZ is = 5.488 KM.
- Parvati-II (800 MW) Commissioned Project**
Weir Site to GHNP is 0.172 Km., and falls ESZ, & Sainj WLS is 5.750 km., ESZ is = 4.750 KM.
Power House Site to GHNP is 4.067 Km., ESZ is 3.067 km., & Sainj WLS is 6.882 km., ESZ is = 5.882 KM.

LEGEND

Up and Down Stream Projects

- Sainj (5.00 MW) SHEP Power House
EL : 2230 m.
- Upper Jiwa (4.50 MW) Weir Site
EL : 2150 m.
- Upper Jiwa (4.50 MW) Power House
EL : 1700 m.
- Jiwa Kothari (1.00 MW) Existing Weir Site
EL : 1445 m.
- Jiwa Kothari (1.00 MW) Existing Power House
EL : 1341 m.
- Jiwa-II (1.75 MW) Weir Site
EL : 1580 m.
- Jiwa-II (1.75 MW) Power House
EL : 1460 m.
- Parvati (800 MW) Existing Weir Site
- Parvati-II (800 MW) Existing Power House
- Sainj (5.0 MW) Proposed Weir Site
EL : 2400 m.

Transmission Line

- 11 KV Existing Transmission Line
- 66 KV Existing Transmission Line
- Jiwa Kothari Existing Transmission Line
- Jiwa-II (1.75 MW) Proposed u/g Transmission Line



AFFINITY ENGINEERING & WORKS

Prepared / Designed By : Hem Raj Thakur
Checked / Approved By : Mohal Lal Thakur

0 1 2 3 km

Scalebar unit : Kilometers
Label of Multiplier : 1.000000

Developer : M/s Behl Motors

For BEHL MOTORS

For BEHL MOTORS

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