

No. DIV 569 969  
HP Forest Department

Dated Kullu, the 19.05.23

From CF Kullu To : Nodal Officer-cum-APCCF (FCA)  
O/o Pr.CCF (HoFF) H.P. Shimla.

Subject:- Diversion of 0.4476 ha. (Instead 0.5959 ha.) of Forest land in favour of M/s Pharari Power Pvt. Ltd. House No. 99, Ward No. 8 Dhalpur, H.P for the Construction of Pharari SHEP 2.00MW, within the jurisdiction of Kullu Forest Division, Distt. Kullu, H.P (Online no. FP/HP/HYD/41259/2020).

Memo:-

Kindly refer to Integrated Regional Office letter No.8B/HP/01/70/2020/FC dated 13.07.2022 on the subject cited above.

The reply of shortcomings is submitted as under:-

Sr. No.	EDS	EDS reply
1	The area of the project has been revised as 0.4476 ha as against the previous area of 0.5959 ha. However, Part-1, Para-A, 1(viii) and Para-B-2, 2.1, 2.3, 2.4 & C- (i) has not been corrected according to the figures of revised area. This may be reviewed and revised, and revised KML file may also be uploaded as per the revised area accordingly.	The User Agency has rectified this point and all components on the online portal in Part-I, Para A, 1 (viii) and Para B-2, 2.3, 2.4, & C-(i) has been revised as per revised area. However, The UA has reported that Para 2.1 is not editable. Therefore, it can not be revised.
2	As per the revised folder file, the 0.0138 ha area has been proposed as a non-forest land. However the Part-I, Para A-1 (ix), B-2 of 2.1, 2.2, 2.3 & 2.4 is showing 0.0195 ha land has proposed under non-forest area. This may be reviewed and revised accordingly.	The User Agency has uploaded the revised area on online portal as per revised folder file.
3	As per the revised folder file, the 0.0138 ha area has been proposed as a non-forest land, but no revenue records viz Jamabandi, Field Book and Tatima etc. on each revised folder at page no. 55-103 a, b, c and copy is also uploaded in Part-I as additional information detail.	The User Agency has already attached the Revenue records viz Jamabandi, Field Book and Tatima etc. on each revised folder at page no. 55-103 a, b, c and copy is also uploaded in Part-I as additional information detail.
4	The total number of dumping sites	This point has been rectified.

	proposed in the Topographical Layout Plan is mismatching with the number of dumping sites mentioned in the Part-I, Para B-2.4. This may be revised.	
5	Road, bridge, transmission line and one dumping site having an area 0.0288 ha have been proposed under one component only. However, this component is missing of Part-1, Para B-2.4. Therefore, the State Government may review and revise the same and may propose each component separately, if possible along- with their respective area details (which are currently proposed only under one component). Further, the area proposed for RoW under transmission line may also be clarified.	Road, Bridge Cum U/G Transmission line & MD-1 under Khasra No. 13/2, 808/1 & 841/1 having an area 00288 has been mentioned on online Portal. The RoW of underground Transmission line is 0.600 mm. Revenue Papers in this regard have already been attached on the revised folder file.
6	Part-II, Para-1 (iv) needs to be reviewed and revised according to the revised area proposed for diversion.	Part-II has also been revised and Revised copy of Part-II, with revised area of 0.4476 ha at para 7 (vi) has been uploaded in single PDF against additional information detail in Part-I.
7	As per the direction of Hon'ble Supreme Court of India, there shall be no diversion of the forest lands allotted to a Protection Working Circle in any Working Plan. However, Part-II, Para-5 shows that the part of the proposed DA is under Protection Working Circle. Therefore, State Govt. may provide the Comment in this regard.	The Forest area proposed for diversion includes the compartments 2/40 Manjaban C iv and 2/41 Petting C la, which do not fall under Protection working circle and as per Working Plan proposed land recorded as Fir working Circle. Report of Concerned Range Officer has been attached along with EDS reply as Annexure-I.
8	According to the aerial distance certificate, it is mentioned that the proposed project is located 12.5 Km of aerial distance from the nearest Wildlife Sanctuary (WLS) Kais and does not fall within the ESZ. However, DSS analysis shows that Dhauladhar WLS is located the nearest to the DA instead of WLS Kais and the aerial distance of the project from Dhauladhar WLS is 8.07 km and extent of the ESZ of Dhauladhar WLS varies from 0 to 01 km., hence it reveals that the proposed project is coming within the notified boundary of ESZ. Therefore, State Govt. may review and revise the given aerial distance detail and provide the exact aerial distance of the proposed project from the nearest PA i.e. Dhauladhar WLS and its notified	The comments of proposed project has already been sent to your office by Pr. CCF (WL) HP vide letter no. 1/172605/2022 on dated 24.12.2022. Copy of same has been uploaded along with EDS reply as Annexure-A.

	<p>ESZ and also clarify whether proposed project is outside or inside the boundary of Dhauladhar WLS as well as its notified ESZ. Further, prior approval of the Standing Committee of NBWL shall also be required if the proposed DA falls within the boundary of the PA. Therefore, CWLW comments may also be provided in this regard, if required.</p>
9	<p>The FRA Committee Runga-2 has issued a conditional NoC for setting up the project, but whether it is acceptable to the User Agency or not, it is not clear. Therefore, the State Govt. may also look into the matter.</p> <p>The User Agency has intimated that " The Forest Right committee has put some conditions while issuing Forest Right Certificate. Gram Sabha awarded FRA without any conditions. The detail is given as under:-</p> <p>1 That the FRA dated 27.05.20218 has been issued in favour of applicant in consonance with the Section 3(1)(i) of the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 b the concerned Gram Sabha and the Nodal Officer as constituted under Forest Conservation Rule, 2003 has duly approved the same. Further section 6 of The Forest Rights Act, 2006 provides authorities of procedure of issuing the FRA certificate by the concerned local authorities. Further, The Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) riles, 2007 under Rule (3) and (4) also provides for Gram Sabha and its function regarding the issuance of the same. The bare perusal of aforesaid Act and Rules though nowhere suggests that Forest Rights Committee can grant conditional NOC to the User Agency but Since there are certain conditions mentioned in the said NOC, hence it is clarified that the same conditions shall be met with the funds provided under Local Area Development Authority (LADA) by the applicant company once the project is made operational.</p> <p>2. That it is humbly stated that Hydro Power Policy , 2006 includes provisions for tangible local benefits in part to foster local support for power projects. One primary mechanism requirements is that the project developer desposit 1.5% of the project cost and 1% free electricity to the concerned village into an account with the District Commissioner and these funds known as the Local Area Development Authority and 1% free poer to</p>

	<p>support local development activities, particularly related to infrastructure and services. The applicant is bound to adhere this principle contained in the said policy and is ready and willing to deposit the same fund with the concerned District Commissioner once the project is commissioned.</p> <p>3. The objection No. 9 is in contravention with Section 7 of the Forest Conservation Rules, 2003 issued by Ministry of Environment, Forest and Climate Change. The bare perusal of Section 7 suggests that the Regional Officer has to consider the certificate issued by Nodal Officer-In-Principal.</p> <p>4. That the Hon'ble Supreme Court in case of T.N Godaverman Thirumulpad versus Union of India permitted the State of Himachal Pradesh for diversion of forest land under the Forest (Conservation) Act, 1980 (FCA) for construction of certain projects and has further directed to take necessary steps for identification of land for re-afforestation as per the earlier directions.</p> <p>Further, the User Agency has reported that in view of the detailed submission made herein above the same objections are no more sustainable and the conditions as issued by FRC are not acceptable with accordance of Rules and laws.</p>
10 Techno Economic Clearance (TEC) Certificate may also be provided by the State Govt.	Techno Economic Clearance (TEC) has been uploaded along with EDS reply as Annexure-B.
11 State Govt. may provide the plantation scheme of 895 plants.	The plantation scheme of 895 plants bill has been uploaded along with EDS reply as Annexure-C.
12 According to the DSS analysis, it reveals that the proposed project is falling under the boundary of the PA, therefore, State Govt. may review and revise the proposal in pursuance of MoEF&CC letter dated 7.6.2022 and may submit the Wildlife Management Plan along-with detail cost of its implementation in this regard.	In this regard the user agency has submitted an undertaking which has been uploaded along with EDS reply as Annexure-II.
13 Part-II, Para-6 shows that there is no possibility of soil erosion during or after the construction of proposed project. However, the area of the proposed project which is a hilly/sloped terrain and the forest/adjoining area may be	In this regard, the user agency has submitted an undertaking which has been uploaded online along with EDS reply as Annexure-II.

prone to soil erosion/landslide during or after the execution of the project. Also, 109 trees including 82 saplings of different species are being affected at the proposed project site which may also cause accelerated of soil erosion. Therefore, State Govt. may review and revise the proposal in pursuance of the MOEF&CC letter dated 7.6.2022 and may submit the the Soil and Moisture Conservation Plan (SMCP) along-with detail cost of its implementation in this regard.

14	<p>State Govt. may provide the documents/clarifications/justifications on the following points as per the direction mentioned in Minutes of Meeting of Ministry letter dated 13.4.2022:-</p> <ul style="list-style-type: none"> <li>i. List of approved /existing/proposed project in the river/rivulet basin /landscape.</li> <li>ii. KML/ Sol and Digital Maps and their distances from the nearest PAS/ESZ.</li> <li>iii. Approved capacity of the river /rivulet along-with Evacuation/Transmission Plans.</li> <li>iv. Progressive detail /status of area treated and fund utilizes under Comprehensive CAT Plan for Beas river basin, if applicable.</li> <li>v. Detailed comments on the holistic assessment and the impact of the proposed project on wildlife and nearby PA/S in the landscape may also be provided.</li> </ul>	<p>(I) The digital map showing the list of approved/exisiting/ proposed project in the river/rivulet basin/ landscape has been uploaded along with EDS reply.</p> <p>(ii) KML file and digital map showing the distance from the nearest PAS/ESZ has been uploaded online along with EDS reply.</p> <p>(iii) Documents regarding approved capacity of river/ rivulet has been uploaded along with EDS reply.</p> <p>(iv) The User Agency has intimated that this point is not applicable for said project.</p> <p>(v) The User Agency has submitted the wildlife NOC with statement that there is no negative impact on wildlife.</p>
15	The NPV bill may be revised in accordance with the Ministry letter dated 22.1.2022.	The revised NPV bill has been uploaded along with EDS reply as annexure-III.
16	DSS analysis shows that a polygon having a Very Dense Forest (VDF) patch of more than 1 sq. km area is coming in the DA. Therefore, State Govt may review and revise the same. If DA is VDF, the NPV calculation sheet needs to be revised accordingly.	The proposed diversion area includes UPF Hurang-III having open canopy density & DPF 2/41 Petting C 1a having dense canopy density while UPF Baragarh-III and Tukda No.1 of DPF 2/40 iv having density upto 70%. Therefore the overall canopy dencity of proposed area for diversion is 40-70% i.e dense canopy.
17	State Govt. may provide the detail regarding the Power Evacuation Plan mentioning capacity of transmission line and mode of transmission. Also, clarify	The Power Evacuation plan has been mentioned in the TEC in point no. XVI.

	whether transmission line is underground or above ground.	
18	<p>The proposed project is in catchment of Beas River. As the river basin study of 'Beas River' has already been carried out, therefore comment may be provided on the following points:</p> <ul style="list-style-type: none"> <li>i. Total carrying capacity of the Beas River basin in term of power generation. How much is utilized so far and how much is yet to be utilized by the State Govt.</li> <li>ii. Since the project is below 25 MW and does not cover under the provision of EIA 2006. Therefore, how the mitigative measures would be addressed by the State Govt. for this project.</li> </ul>	<p>Cumulative impact Assessment of River Basin Study of Beas River is send to your office through mail to <u>NodalofficerFCA@gmail.com</u>. on dated 20/05/2023.</p>
19	An undertaking that user agency shall ensure adherence to stipulated e-flow as recommended by the Govt. of HP and other regulatory authority for the conservation and development of aquatic flora and fauna.	Undertaking has been uploaded online along with EDS reply as Annexure-E.
20	User Agency also submit an undertaking to ensure that they will abide by the all conditions if imposed by the State Govt. in near future for concerning the environment.	Undertaking has been uploaded online along with EDS reply as Annexure-F.

This is submitted for favour your kind information and necessary action at your end please.

  
 Conservator of Forests  
 Kullu Forest Circle, Kullu

## ANNEXURE-I

Si. No.	Forest	COMP PTT.	DEO/KAIL WC				FIR WC				Grazing Bump	People colony	Total	
		I	II	III	IV	I	II	III	IV					
		C 1b	-	-	-	-	34.76	-	-	-	-	-	-	
		C 1c	-	-	-	-	-	30.29	-	-	-	-	3	
		C 2a	-	-	-	-	-	10	-	-	-	-	3	
		C 2b	-	-	-	-	-	-	45	-	-	-	3	
		C 2c	-	-	-	-	-	38.48	-	-	-	-	30	
		C 2d	-	-	-	-	-	-	-	-	-	-	3	
		C 3a	-	-	-	-	-	-	-	-	-	-	30	
		C 3b	-	-	-	-	-	-	38.4	-	-	-	93.08	
		C 3c	-	-	-	-	-	32.48	-	-	-	-	3	
		C 4a	-	-	-	-	-	-	27.5	-	-	-	32	
		C 4b	-	-	-	-	-	28.56	-	-	-	-	2	
		C 4c	-	-	-	-	46.32	-	-	-	-	-	28	
		C 4d	-	-	-	-	-	-	-	-	-	-	46	
		C 4e	-	-	-	-	-	-	-	14.08	-	-	14	
		C 4f	-	-	-	-	-	-	-	15.92	-	-	15	
		C 4g	-	-	-	-	-	-	-	50	-	-	5	
		C 4h	-	-	-	-	-	-	-	-	-	-	70	
		C 5	-	-	-	-	-	-	-	-	50.53	-	40.32	
24	225 Upper Sansi	C 1a	-	-	-	-	-	-	-	-	-	1160.2	1160	
		C 1b	-	-	-	-	46.96	-	-	-	-	-	46.96	
		C 2a	-	-	-	-	19.81	-	-	-	-	-	19.81	
		C 2b	-	-	-	-	-	40	-	-	-	-	40	
		C 2c	-	-	-	-	20	-	-	-	-	-	20	
		C 3	-	-	-	-	-	30.94	-	-	-	-	30.94	
25	226 Marthon	C 1a	-	-	-	-	-	-	-	-	-	-	215.7	
		C 1b	-	-	-	-	29.63	-	-	-	-	-	29.63	
		C 2a	-	-	-	-	25	-	-	-	-	-	25	
		C 2b	-	-	-	-	-	-	25.42	-	-	-	25.42	
		C 3a	-	-	-	-	-	28	-	-	-	-	28	
		C 3b	-	-	-	-	56.15	-	-	-	-	-	56.15	
		C 4	-	-	-	-	43	-	-	-	-	-	43	
26	227 Padra Rreas	C 1a	-	-	-	-	-	-	-	-	-	55.04	55.04	
		C 1b	-	-	-	-	-	-	37.96	-	-	-	37.96	
		C 2a	-	-	-	-	-	-	-	-	-	-	45	
		C 2b	-	-	-	-	93	-	-	-	-	-	25.98	
		C 3a	-	-	-	-	-	35.8	-	-	-	-	93	
		C 3b	-	-	-	-	-	44.64	-	-	-	-	35.8	
		C 3c	-	-	-	-	-	36.11	-	-	-	-	44.64	
		C 4	-	-	-	-	-	26.71	-	-	-	-	36.11	
		C 5	-	-	-	-	-	-	-	-	-	-	26.71	
	Total		206	235	274	227	568.29	1296.96	398.8	474.37	-	185.35	185.35	
			PATLIKUHL RANGE											
1	1/25 Fozal	Whole	23.9	-	-	-	-	-	-	-	-	-	23.88	
	235													
2	Khoru- dugh	C 1a	-	-	-	-	-	-	22.32	-	-	-	22.32	
		C 1b	-	-	-	-	-	59.05	-	-	-	-	59.05	
		C 1c	-	-	-	-	-	40	-	-	-	-	40	
		C 2	-	-	-	-	-	-	65.56	-	-	-	65.56	
		C 3	-	-	-	-	-	-	36.42	-	-	-	36.42	
		C 4	-	-	-	-	-	-	-	55.85	-	-	55.85	
		C 5	-	-	-	-	-	-	-	-	87.01	-	87.01	
		C 6	-	-	-	-	-	-	-	-	-	647.09	647.09	
3	236 Gogar-shil	Whole	-	-	-	-	-	-	-	-	-	1074.4	1074.4	
	237													
4	Nagoni	C 1a	-	-	-	-	-	-	-	-	-	54.75	54.75	

APPENDIX-I 6

Attested

Range Forest Officer  
Patlikuhal Forest Range

2022

No. WL (Misc.)/Diversion/  
Himachal Pradesh Forest Department.

Dated Shimla-171 001, the

From: Principal CCF (WL) HP. To: Nodal Officer (FCA)  
O/o PCCF (HoFF) HP

Subject:- Diversion of 0.4476 ha. (instead of 0.5959 ha.) of  
forest land in favour of M/s Pharari Power Pvt. Ltd,  
House No. 99, Ward No.8, Dhalpur, HP, for the  
construction of Pharari SHEP (2 MW), within the  
jurisdiction of Kullu Forest Division, District Kullu,  
HP.

Memo:

Reference your office memo. No. Ft. 48-3980/2019  
(FCA) dated 12.12.2022 on the subject cited above.

As per the report of Divisional Forest Officer  
(Wildlife) Hamirpur the comments of undersigned are as under:-

1. That the distance of above mentioned project  
site on Pharari Nala Tributary of Beas River is  
8.74 Kms from the nearest boundary of  
Dhauladhar Wildlife Sanctuary and .74 Kms  
from nearest boundary of Eco-Sensitive Zone  
of Dhauladhar WLS.
2. That there will be no negative impact on the  
flora, fauna and ecology of the Dhauladhar  
WLS.

However, while taking further necessary action  
in the matter it may be ensured that all the instructions,  
rules, stipulations and guidelines on diversion of land are  
strictly observed and adhered to.

PCCF.WL.HP

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

**OFFICE ORDER**

In supersession to Office Order endorsement No. DoE / CE (Energy) / TEC-Pharari / 10-4726-34 dated 03/02/2011, Directorate of Energy (DoE), Govt. of Himachal Pradesh, is pleased to accord Revised Concurrence to Pharari SHP (2.00MW) on Pharari khad a tributary of Fozal nallah in Beas basin, Distt Kullu, Himachal Pradesh, allotted to "M/S Alvasa Power (India) Ltd., Vashisht Bhawan, Village Rabon, P.O. Saproon, Solan (HP) 173211" at an estimated cost of Rs. 1670.00 lac (Rupees one thousand six hundred seventy lac) only including Interest During Construction(IDC), Escalation, Financial Charges(FC) and LADF @ 1.0 % of total project cost with the following stipulations.

- 1.i) The completion cost of the project 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-Concurrence (TC) is subject to the fulfillment of the following conditions:
  - i) Completion cost/Techno-Concurrence (TC) 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 TC.
  - 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) In case, changes are made in design parameters during construction due to site conditions or otherwise, the same shall be intimated and got Concurred from DoE, GoHP before implementation of such changes.
  - vii) 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 Alvasa Power (India) Ltd., Vashisht Bhawan, Village Rabon, P.O. Saproon, Solan (HP) 173211."
  - viii) No additional cost shall be allowed due to Resettlement & Rehabilitation (R & R) Plan.
  - ix) Normal operation life of the hydro power plant shall be as per provisions o CWC/CEA guidelines or CERC/HPERC regulations.
  - x) The statutory and administrative clearances as per Annex-II shall be obtained before execution/ implementation of the project.

*[Signature]*

- xi) 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.
- xii) 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/HPPTCL, 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/HPPTCL as per the final decision of the competent authority.
- xiii) Whereas the HPSEBL/HPPTCL shall endeavour 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.
- xiv) The powerhouse generating equipment as well as other electrical equipment to be provided by the IPP 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.
- xv) O&M charges for maintenance of inter connection facilities at the interconnection sub-station shall be paid by the IPP to HPSEBL/HPPTCL throughout the period, the IPP runs the project and the same shall be reviewed at the beginning of every financial year.
- xvi) For evacuation of power the IPP shall interface this project by laying of 33 KV single circuit line /underground cable in joint mode with Hamsu-I SHP upto 33 /220 KV Phojal substation of HPPTCL.
- xvii) 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.
- xviii) 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.
- xix) 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 will 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.
- xx) The Hydro generating units shall be capable of generating up to 110% of rated capacity (Subject to rated head being available) on continuous basis as per Sr. No 7 ( Part-II) of Ministry of Power ( Central Electricity Authority) notification No 12/X/STD ( CONN) GM / CEA dated 15/10/2013 and subsequent amendments thereof.
- xxi) The conditions on these lines shall have to be suitably included by the IPP in the PPA etc. apart from other standard conditions.

*[Signature]*

xxii) The observations of DoE, GoHP on the DPR and replies thereof shall form an integral part of the DPR.

xxiii) 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 per recommendations of the Pollution Control Board shall be installed by the IPP during execution of the project.

xxiv) LADC/LADF amount and activities shall be implemented as per Power policy of HP Govt., 2006 and subsequent amendments thereof.

xxv) 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 and subsequent amendments thereof.

xxvi) The Concurrence 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 broad technical aspects of the project proposal in the DPR have been scrutinized and it does not cover the examination of the detailed designs and 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 in accordance with earlier accorded Techno Concurrence on dated 03.02.2011 & no additional time will be allowed on account of accordance of revised Techno Concurrence.
4. The completion cost of the scheme shall be submitted to DoE, GoHP 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 inputs/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 Concurrence to the scheme by DoE, GoHP and actual start of work by the IPP is three years or more, a fresh Concurrence of DoE, GoHP shall be obtained by the IPP 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 GoHP.

**BY ORDER OF THE GoHP**

*Attoh  
5/12/18*  
Chief Engineer (Energy),  
Directorate of Energy, GoHP,  
New Shimla 71009(HP).

No. DoE/CE(Energy)/TC-Pharari (Rev.) / 2018-9125-33 Dated:- 06/12/18

Copy for information and necessary action to the:

1. Principal Secretary (MPP & Power) to H.P. Govt., Shimla-171002(HP).

*[Signature]*

2. Principal Secretary (NES) to H.P. Govt., Shimla-171002(HP).
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(HP).
5. General Manager (C&D), HPPTCL, Himfed Building, Tutikandi, Shimla-171004(HP).
6. Chief Engineer (System Operation), HPSEB Ltd, Vidyut Bhawan, Shimla-171004 (HP).
7. Chief Engineer (Commercial), HPSEB Ltd, Vidyut Bhawan, Shimla-171004(HP).
8. Chief Executive Officer, Himurja, 8A-SDA Complex, Kasumti, Shimla-171009.
9.  M/s Alvasa Power (India) Ltd., Vashisht Bhawan, Village Rabon, P.O. Saproon, Solan (HP) 173211.

*PL/td  
5/11/2018*  
Chief Engineer (Energy),  
Directorate of Energy, GoHP,  
New Shimla-171009(HP).

*Agarwal*

ANNEXURE-I

**Revised Pharari (2.00 MW) in District Kullu Himachal Pradesh allotted to "M/S Alvasa Power (India) Ltd., Vashisht Bhawan, Village Rabon, P.O. Saproon , Solan (HP) 173211.**

**ABSTRACT OF COST ESTIMATE**

<b>Sr. No.</b>	<b>Description of works</b>	<b>Amount</b>
<b>(a) (Rs. in lac)</b>		
i)	Civil works including other Misc. expenses	932.12 Price level
ii)	Electro Mechanical Works	508.09 March,
iii)	Transmission Works	31.30 2016
<b>Sub-total (a)</b>		<b>1471.51</b>
<b>(b)</b>		
i)	Interest During Construction (IDC)	125.17
ii)	Escalation	39.59
iii)	Financial Charges	16.95
<b>Sub-total (b)</b>		<b>181.71</b>
<b>Total (a+b)</b>		<b>1653.22</b>
<b>(c)</b>	LADF @ 1.0% of (a+b)	<b>16.53</b>
<b>Grand Total (a+b+c)</b>		<b>1669.75</b>

Say Rs. 1670.00 Lac

**(Rupees one thousand six hundred and seventy lacs only)**

*11/11/2018*  
Chief Engineer (Energy),  
Directorate of Energy, GoHP,  
New Shimla-171009(HP).

*SPW*

Revised Pharari (2.00 MW) in District Kullu Himachal Pradesh allotted to "M/S Alvasa Power (India) Ltd., Vashisht Bhawan, Village Rabon, P O Saproon, Solan (HP) 173211.

**LIST STATUTORY AND ADMINISTRATIVE CLEARANCES REQUIRED**

Sr.No.	ITEM	AGENCY	REMARKS
1.	WATER AVAILABILITY	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.	Indian Electricity Act, 2003.
3.	POLLUTION CLEARANCE WATER AND AIR	State/Central Pollution Control Board	Water (Prevention & Control of Pollution) Act, 1974 and 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 Environment & 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) & 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,CCl&E	Import & Export Acts.

*Prabhakar  
5/12/2018*  
Chief Engineer(Energy),  
Directorate of Energy, GoHP,  
New Shimla-171009(HP).

Revised Pharari (2.00 MW) in District Kullu Himachal Pradesh allotted to "M/S Alvasa Power (India) Ltd., Vashisht Bhawan, Village Rabon, P.O. Saproon, Solan (HP) 173211."

## **SALIENT FEATURES**

<b>1</b>	<b>LOCATION</b>		
State	Himachal Pradesh		
District	Kullu		
River/Khad	Pharari nallah a tributary of Fozal Khad, which in turn is a tributary of Beas river		
Vicinity	Weir site on Pharari Khad at an El. $\pm$ 1875 m and surface power house on right bank at El. $\pm$ 1645 m near village Pharari.		
<b>Geographical co-ordinates</b>			
Weir site	Longitude 77° 05' 07" 11.15' E	Latitude 32° 03' 07" 05.09' N	
Power House site	77° 07' 10" 14.45' E	32° 02' 03" 49' N	
SOI Toposheet	52 H/8		
<b>2 HYDROLOGY</b>			
Name of khad/ basin	Pharari/ Beas		
Catchment area up to diversion site	14.15 Sq. Km		
Design flood	165.00 cumecs		
HFL	Weir +1876.00 m	Power House +1643.91m	
<b>3 PROJECT STRUCTURES</b>			
<b>3.1 DIVERSION WEIR</b>			
Type	Drop type trench weir at an El. $\pm$ 1875 m		
Size	20.00 m (L) x 10.00 m (W) i/c 1.50 m		
Depth	Trench width		Varies from 0.50 m depth to 1.30 m.
Trash Rack/River bed Level	El. $\pm$ 1875.00 m		
Design discharge	1.13 cumecs plus flushing & OL dis.		
Type of Intake	Box type Intake channel		
Size of Intake Channel	5.00m x 1.50 m x 1.60m		
<b>3.2 CONVEYANCE / FEEDER CAHNNEL (Weir intake to De-silting tank)</b>			
Type	RCC rectangular Channel		
Size	1.40 m x 1.00 m i/c 0.22 m FB		
Length	$\pm$ 70.00m		
Slope	1 in 350m		
Design discharge	1.13 cumecs plus flushing & OL dis.		
Velocity	1.50 m/ sec		
FSL	EL $\pm$ 1874.28 m		

<b>3.3 DESILTING ARRANGEMENT</b>	
Type	Surface Hopper type
Size	36.00m x 5.00m x 4.30m (avg. depth)
Design Discharge	1.13 cumecs plus flushing & OL dis.
Particle size to be removed	± 0.25 mm size and above
Full Supply Level of Desilting Tank	EL ± 1874.28 m
Silt flushing pipe	0.70 m dia
Silt Flushing discharge	0.29 cumecs
<b>3.4 WATER CONDUCTOR SYSTEM (POWER CHANNEL IN HRT)</b>	
Type of Channel	RCC Rectangular channel
Size of Channel	1.40 m x 1.20 m i/c 0.22m FB
Length	+814.00 m
Slope	1 in 500
Design discharge	1.13 cumecs plus OL dis.
Velocity	1.24 m/ sec
BL at the end	EL ± 1871.87 m
FSL	EL ± 1872.65 m
<b>3.5 FOREBAY</b>	
Type	Surface RCC rectangular
Size	20.00m x 5.50m x 7.00m i/c 1.00m FB
Top Level	EL+1873.65m
FSL	EL+1872.65m
MDDL	EL+ 1870.62m
Bed level	EL+ 1866.65 m
Live Storage capacity	223.74 cum
Peaking time	± 3 minutes
<b>3.5 PENSTOCK</b>	
Type	Circular, Surface steel penstock
Number/ size of main penstock	One / 700 mm dia.
Thickness	Varying between 8mm to 12mm
Length	+ 550.00m
Material of steel liner	IS:2062 Grade B
Design discharge	1.13 cumecs plus OL dis.
Velocity	3.50 m/sec
C/L of Penstock	EL+1868.92 m
Number of branches	Two
Length of branch penstock	± 25.00m
Dia. of branch penstock	500.00 mm
<b>3.6 POWER HOUSE</b>	
Type	Surface
Size	25.00m x 15.00m x 10.00m
C/L of jet	EL +1647.00 m
Installed capacity	2.00 MW (2 units of 1000 kW each)
Gross Head	± 224.22m
Net head	± 210.96m

*[Signature]*

Powerhouse Crane	Semi-EOT Crane 8/2Tonne
<b>Turbine</b>	
Type	Horizontal Shaft Pelton Turbine
Number	Two
Rated output	1000 kW each
Overloading capacity	10%
Speed	750 rpm
<b>Generator</b>	
Type	Horizontal shaft synchronous, Brushless
Number	Two
Capacity	1000 kW each
Power Factor	0.9 lag
Rated Voltage	3.3/33 kV
Frequency	50Hz
Overloading capacity	10%
<b>3.7 TAIL RACE</b>	
Type	RCC box section concrete lined
Size	1.20 m x 1.00 m i/c 0.25 m FB
Length	± 25.00m
Slope	1 in 300

Alstadi  
31/12/2019

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

spw

## BILL OF COMPENSATORY AFFORESTATION SCHEME

In lieu 0.4476 hectares of forest area to be diverted for the Construction of Pharari SHEP (2.00 MW) Tehsil & Distt. Kullu (HP) in favour of The M/s Pharari Power Pvt. Ltd., in Patlikuhal Forest Range, Forest Division Kullu, District Kullu, Himachal Pradesh (Total 895 trees/ palants to be planted over 0.8952 hectare.

**( COST MODEL : 1000 PLANTS PER HECTARE)**

Sr. No.	Particulars of Works	Unit	Qty.	Mandays involved	Amount at wage rate of Rs. 350/- for non Tribal areas.
<b>A Survey, Demarcation &amp; Fencing</b>					
1	Survey and demarcation of plantation area	Hec.	1	0.68	238.00
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	7815.50
4	Preparation/Digging of holes of 20x30x50xcm for fixing of fence	Nos.	50	3.02	1057.00
5	Fixing of RCC fence posts in concrete i/c strutting	Nos.	50	2.39	836.50
6	Carriage of B/wire over distance 2Km uphill/downhill	per Km per qntl.	0.75	0.74	259.00
7	Stretching and fixing of Barbed wire in 4 stands	Rmt.	600	19.2	6720.00
8	Interlacing of thorny bushes along the fence	Rmt.	150	4.09	1431.50
9	Cost of Barbed wire	Qntl.	0.75	Rs.6510.00 per Qntl..	4882.50
<b>Total-A/Survey, Demarcation &amp; Fencing</b>					<b>41140.00</b>
<b>Or Say</b>					<b>41140.00</b>
<b>B Planting</b>					
1	Bush cutting in strip (3mX3m)	Hec.	1	7.95	2782.50
2	Digging of pits of 45x45x45cm size	Nos.	1000	69.96	24486.00
3	Filling of pits of 45x45x45cm size	Nos.	1000	19.95	6982.50
4	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	1000	27.87	9754.50
5	Planting of plants raised in P/bags	Nos.	1000	15.99	5596.50
6	Construction of Inspection Path	Rmt.	100	7.33	2565.50
7	Cost of Sign Board, Carriage & Fixing	No.	1	LS	450.00
<b>Total:- B/Planting</b>					<b>52617.50</b>
<b>Or Say</b>					<b>52620.00</b>
<b>C Cost of P/bags plants</b>					22000.00
<b>Total Cost of New Plantation (A+B+C)</b>					<b>115760.00</b>
<b>Or Say</b>					<b>115760.00</b>
<b>D 1st Year Maintenance ( 30% Beating up)</b>					
1	Re-digging of pits 45x45x45 cm	Nos.	300	10.49	3671.50
2	Filling of pits 45x45x45cm	Nos.	300	5.98	2093.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill/plant	Nos.	300	4.80	1680.00
4	Planting of plants raised in P/bags	Nos.	300	8.36	2926.00
5	Repair of fencing	Rmt	60	0.72	252.00
6	Cost of P/bags plants	Nos.	300	22	7700.00
<b>G. Total</b>					<b>18322.50</b>

<b>2nd Year Maintenance (20% Beating up)</b>					<b>Or Say</b>	<b>18320.00</b>
1	Re-digging of pits 45x45x45 cm	Nos.	200	7.0	2450.00	
2	Filling of pits 45x45x45cm	Nos.	200	3.99	1396.50	
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	200	3.20	1120.00	
4	Planting of P/bags plants	Nos.	200	5.57	1949.50	
5	Repair of fencing	Rmt.	60	0.72	252.00	
6	Cost of P/bags plants	No.	200	22	7700.00	
					<b>G. Total</b>	<b>14868.00</b>
					<b>Or Say</b>	<b>14870.00</b>
<b>3rd Year Maintenance (10% Beating up)</b>						
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.5	1225.00	
2	Filling of pits 45x45x45cm	Nos.	100	1.99	696.50	
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.60	560.00	
4	Planting of P/bag plants	Nos.	100	2.79	976.50	
5	Repair of fencing	Rmt.	60	0.72	252.00	
6	Cost of P/bags plants	Nos.	100	22	7700.00	
					<b>Total</b>	<b>11410.00</b>
					<b>Or Say</b>	<b>11410.00</b>
<b>4th Year Maintenance (10% Beating up)</b>						
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.5	1225.00	
2	Filling of pits 45x45x45cm	Nos.	100	1.99	696.50	
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.60	560.00	
4	Planting of P/bag plants	Nos.	100	2.79	976.50	
5	Repair of fencing	Rmt.	60	0.72	252.00	
6	Cost of P/bags plants	Nos.	100	22	7700.00	
					<b>Total</b>	<b>11410.00</b>
					<b>Or Say</b>	<b>11410.00</b>
<b>5th Year Maintenance (10% Beating up)</b>						
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.5	1225.00	
2	Filling of pits 45x45x45cm	Nos.	100	1.99	696.50	
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.60	560.00	
4	Planting of P/bag plants	Nos.	100	2.79	976.50	
5	Repair of fencing	Rmt.	60	0.72	252.00	
6	Cost of P/bags plants	Nos.	100	22	7700.00	
					<b>Total</b>	<b>11410.00</b>
					<b>Or Say</b>	<b>11410.00</b>
<b>6th Year Maintenance (10% Beating up)</b>						
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.5	1225.00	
2	Filling of pits 45x45x45cm	Nos.	100	1.99	696.50	
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.60	560.00	
4	Planting of P/bag plants	Nos.	100	2.79	976.50	
5	Repair of fencing	Rmt.	60	0.72	252.00	
6	Cost of P/bags plants	Nos.	100	22	7700.00	
					<b>Total</b>	<b>11410.00</b>
					<b>Or Say</b>	<b>11410.00</b>

<b>7th Year Maintenance (10% Beating up)</b>					
1 Re-digging of pits 45x45x45 cm	Nos.	100	3.5	1225.00	
2 Filling of pits 45x45x45cm	Nos.	100	1.99	696.50	
3 Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.60	560.00	
4 Planting of P/bag plants	Nos.	100	2.79	976.50	
5 Repair of fencing	Rmt.	60	0.72	252.00	
6 Cost of P/bags plants	Nos.	100	22	7700.00	
				<b>Total</b>	<b>11410.00</b>
				<b>Or Say</b>	<b>11410.00</b>
<b>8th Year Maintenance (10% Beating up)</b>					
1 Re-digging of pits 45x45x45 cm	Nos.	100	3.5	1225.00	
2 Filling of pits 45x45x45cm	Nos.	100	1.99	696.50	
3 Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.60	560.00	
4 Planting of P/bag plants	Nos.	100	2.79	976.50	
5 Repair of fencing	Rmt.	60	0.72	252.00	
6 Cost of P/bags plants	Nos.	100	22	7700.00	
				<b>Total</b>	<b>11410.00</b>
				<b>Or Say</b>	<b>11410.00</b>
<b>9th Year Maintenance (10% Beating up)</b>					
1 Re-digging of pits 45x45x45 cm	Nos.	100	3.5	1225.00	
2 Filling of pits 45x45x45cm	Nos.	100	1.99	696.50	
3 Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.60	560.00	
4 Planting of P/bag plants	Nos.	100	2.79	976.50	
5 Repair of fencing	Rmt.	60	0.72	252.00	
6 Cost of P/bags plants	Nos.	100	22	7700.00	
				<b>Total</b>	<b>11410.00</b>
				<b>Or Say</b>	<b>11410.00</b>
<b>10th year Maintenance (10% Beating up)</b>					
1 Re-digging of pits 45x45x45 cm	Nos.	100	3.5	1225.00	
2 Filling of pits 45x45x45cm	Nos.	100	1.99	696.50	
3 Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.60	560.00	
4 Planting of P/bag plants	Nos.	100	2.79	976.50	
5 Repair of fencing	Rmt.	60	0.72	252.00	
6 Cost of P/bags plants	Nos.	100	22	7700.00	
				<b>Total</b>	<b>11410.00</b>
				<b>Or Say</b>	<b>11410.00</b>
<b>Total:- D/Maintenance Cost of 10 years</b>					
<b>Total Cost of New Plantation + Maintenance for 1000 plants per Hectare</b>					
240230.00					
Area to be taken for Diversion (In Hectare)					
0.4476					
Area to be taken for compensatory afforestation (in Ha.) 0.4476 Ha. X 2 Times)					
0.8952					
Or Say in Ha.					
1000					
Trees to be Planted Per Hectare					
1000					
Trees to be Plantd in Total Compensatory Afforestation Area					
895					
Cost of CA (240230 x 0.8952)					
215053.8960					
Or Say					
215060					
Total					
215060.00					
Add 17.50 % Departmental Charged					
37635.50					
Add 5% contingency charges					
10753.00					
Grand Total					
263448.50					
Or Say					
263450.00					
(Two Lakhs Sixty Three Thousand Four Hundred And Fifty Rupees Only)					

Range Forest Officer  
Patlikuhal Forest Range

Deputy Forest Officer  
Kullu Forest Division, Kullu

# **PARARI POWER PRIVATE LIMITED**

**H. No. 99, Ward No. 8, Dhalpur, Kullu - 175101**  
**Email : [gangananna@gmail.com](mailto:gangananna@gmail.com)**  
**PH. 01902 222120**

## **Undertaking**

**ANNEXURE - II**

I, Gangadhar Rao, S/O Subba Rao, House no.99, Ward no.8, Dhalpur, Kullu, H.P do hereby to undertake to pay the necessary fund for the Implementation of the Wildlife Management or Soil and Moisture Conservation plan if any required before the final approval.

Place: Kullu

Date: 23/02/23

for Parari Power Pvt. Ltd.

*N Gangadhar Rao*  
Director

*fl.*  
Divisional Forest Officer  
Kullu Forest Division, Kullu

**BILL OF NET PRESENT VALUE**

In respect of diversion of 0.4476 ha. (Instead of 0.5959 ha.) of forest land in favour of M/s Pharari Power Ltd., House No. 99, Ward No. 8 Dhalpur, Himachal Pradesh for the construction of Pharari SHEP (2.0 MW), within the jurisdiction of Kullu Forest Division, Distt. Kullu, Himachal Pradesh. (online proposal No. FP/HP/HYD/41259/2019)

<b>Name of Project</b>		<b>Construction of Pharari SHEP ( 2.0 MW)</b>				
<b>Name of User Agency</b>		<b>M/s Pharari Power Pvt. Ltd.</b>				
<b>Sr. No</b>	<b>Name of Forest</b>	<b>Location</b>	<b>Area involved Area in Ha.</b>	<b>Category of NPV</b>	<b>Category of rate for NPV</b>	<b>Rate (Rs.) Per ha.</b>
1.	DPF 2/40 Manjlaban & 2/41 Peting & UPF Hurang-III & Baragarh-III	Neri Beat, Fozal Beat, Patlikuhal Beat of Patlikuhal Forest Range	0.4476 hac.	Dense Forest	Eco Class-VI	1372410.00

**(Rs. Six Lakh Fourteen Thousand Two Hundred & Ninety One Only)**

Range Forest Officer  
Patlikuhal Forest Range

fl:  
Divisional Forest Officer  
Kullu Forest Division, Kullu

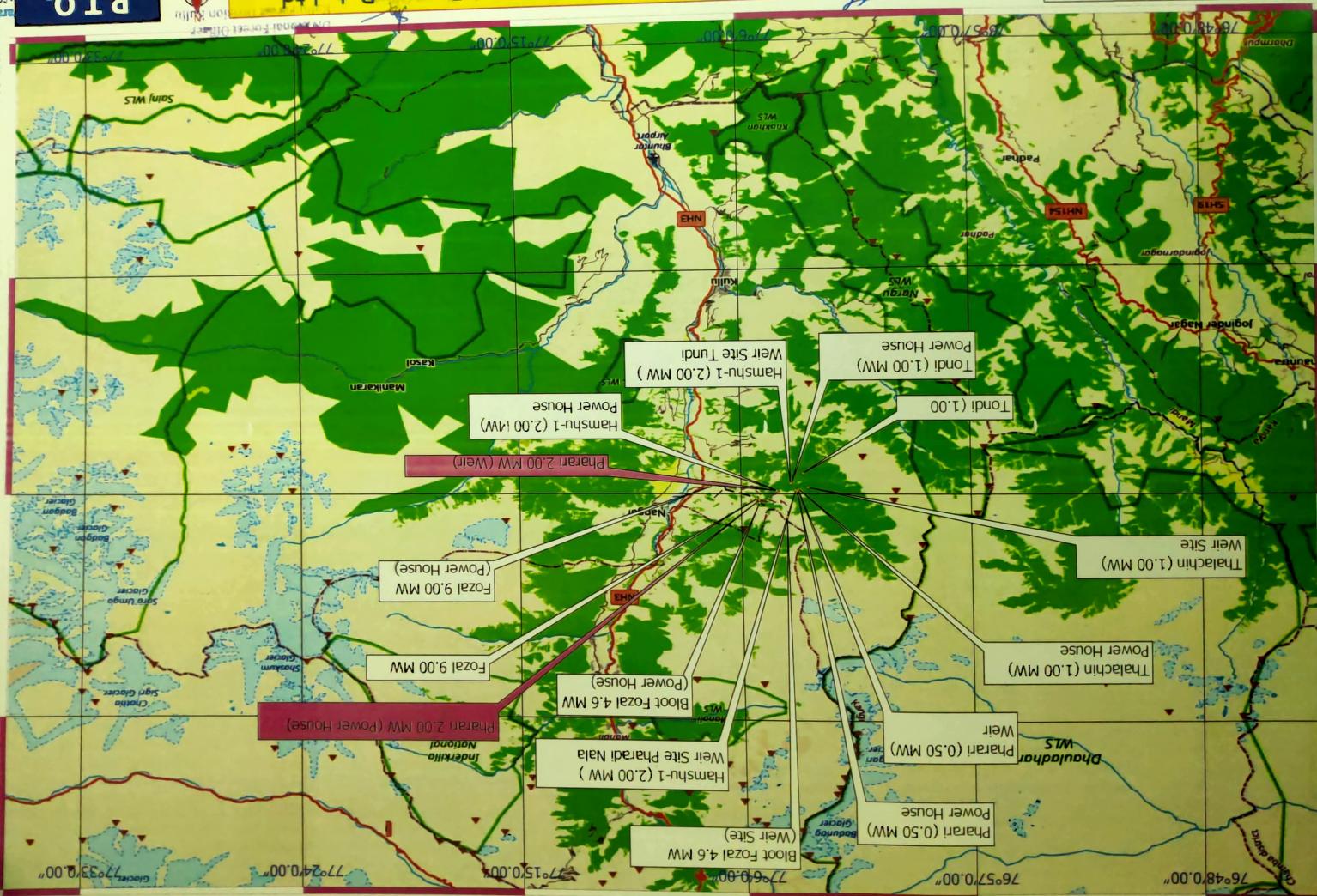
## POWER GENERATION CAPACITY OF THE PHARARI NALA

This is to certify that there are three Projects allotted in the stream/Nallah with their capacity as given below:-

S.No	Name of the Project	Capacity of the project in MW	River/Basin	Stream/Nallah	Elevation in meters	
					Weir Site	Power House
1	BlootFozal	4.6 MW	Beas	Fozal	2215.65	2020.11
2	Fozal	9.00 MW	Beas	Fozal	1630	1525
3	Pharari	0.50 MW	Beas	Pharari	2150	2065
3	Pharari	2 MW	Beas	Pharari	1875	1645
4	Hamshu-1	2 MW	Beas	Pharari&Tundi	2060	1900
5	Tundi	1.00 MW	Beas	Tundi	2400	2100
6	Thalachin	1.00 MW	Beas	Pharari	2480	2170

Total capacity of the Stream/Nallah is 20.1 MW

  
 Project Officer  
**PROJECT OFFICER**  
**HIMURJA-Killu**  
**HIMURJA-Killu**  
**DIST. RAJASTHAN (P.)**



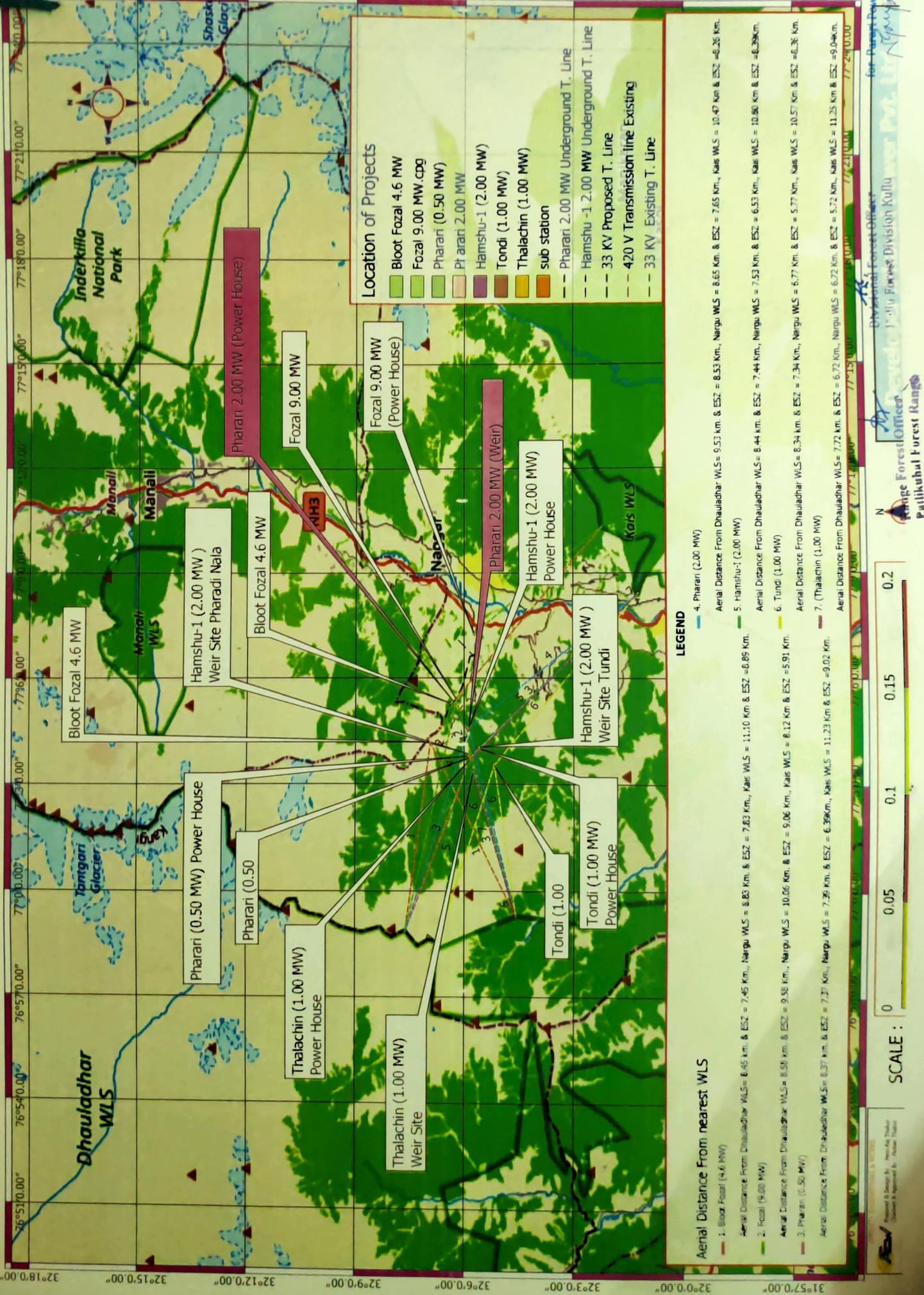
Digital Map of All HEP's Commissioned/Under Construction/Proposed nearby Landscape of Pharrai SHEP (2.00 MW)

## KEY CLOSEUP MAP

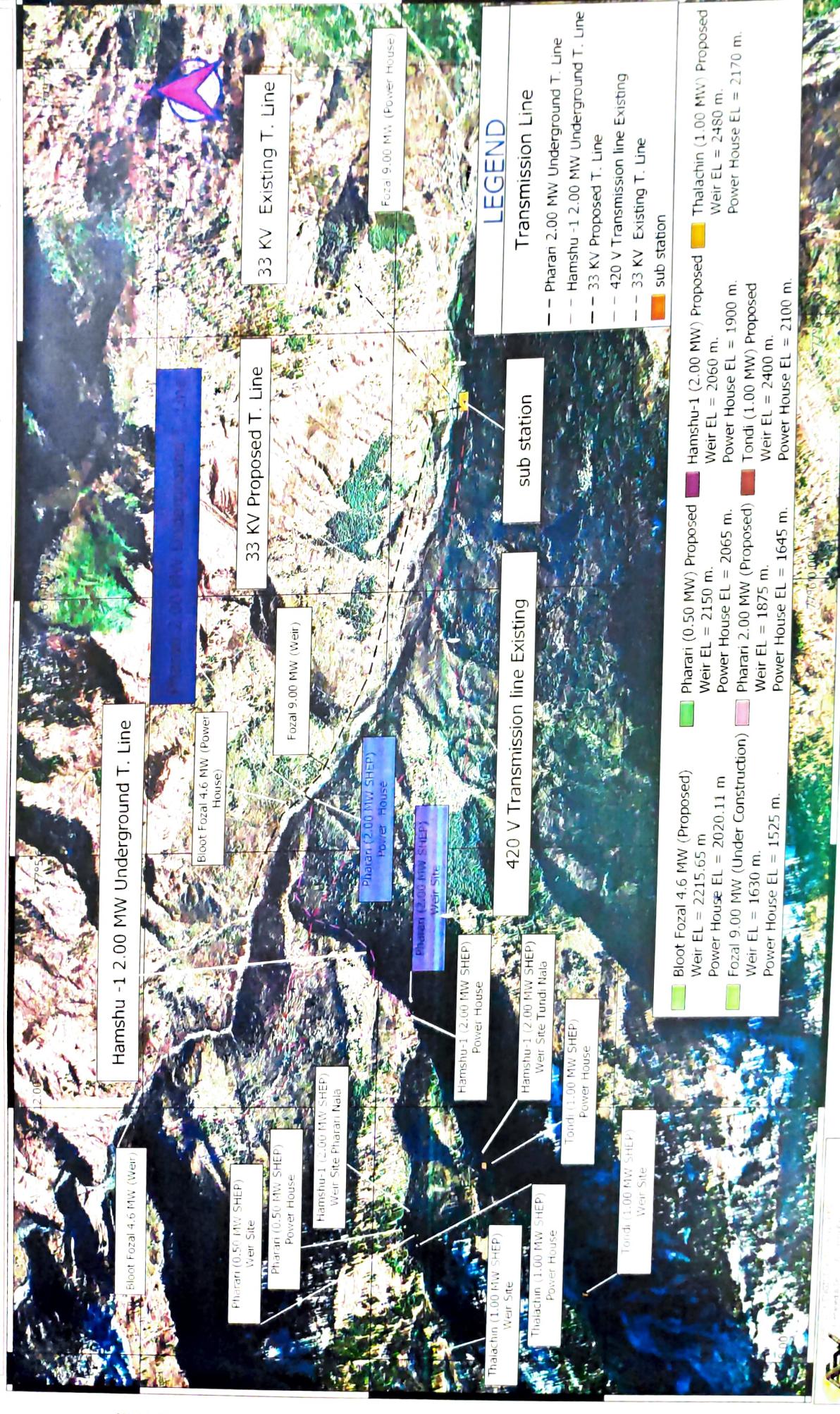
Digital Map of All HEP's Commissioned/Under Construction/Proposed nearby Landscapes of Pharr/SHEP (2.00 MW)



Aerial Distance Map of Commissioned/Under construction/ Proposed HEP's From Nearest PA, WLS & ESZ in the Landscape of Pharari SHEP (2.00 MW)



Google Map of All HEP's Commissioned/Under Construction/ Proposed nearby Landscape of Pharari SHEP (2.00 MW)



for Parati Power Pvt. Ltd.  
N. Parashuram  
Director

N. Jayaraman  
Director

Developer : Pharari Power Pvt. Ltd.

PARARI POWER PRIVATE LIMITED  
H. No. 99, Ward No. 8, Dhalpur, Kullu - 175101  
Email : [gangananna@gmail.com](mailto:gangananna@gmail.com)  
PH. 01902 222120

Annexure-E

UNDERTAKING

We, hereby undertake to stipulated E-flow, as recommended by the Govt. of Himachal Pradesh, NGT, MoEF&CC, Gol and any other regulatory authority, for the conservation and development of aquatic flora and fauna.

for Parari Power Pvt. Ltd.

*NGangadhar Rao*  
Director

*fl:*

*Divisional Forest Officer*  
*Kullu Forest Division, Kullu*

# PARARI POWER PRIVATE LIMITED

H. No. 99, Ward No. 8, Dhalpur, Kullu - 175101

Email : [gangananna@gmail.com](mailto:gangananna@gmail.com)

PH. 01902 222120

## Annexure-F

### UNDERTAKING

We, hereby undertake to ensure that we will abide by all the conditions if imposed by the State Govt. in near future for concerning the environment.

for Parari Power Pvt. Ltd.

*N Ganganadhar Rao*  
Director

*fw:*

Divisional Forest Officer  
Kullu Forest Division, Kullu