A Joint Venture of NHPC (A Govt. of India Enterprise), JKSPDC (A Govt. of J&K Undertaking) and PTC India Ltd.



 KWAR HE PROJECT, Chenab Nagar-II, Distt. Kishtwar (J&K)-182206.

 CIN:U40105JK2011PTC003321
 Fax no. 01995259230

 E-mail: gmkwarhep@gmail.com
 Website: www.cvppindia.com

CVPP/KK/C.O/Jmu/2017/721-722

Dated; 30.11.2017

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Additional PCCF (Central), Northern Regional Office, Ministry of Environment, Forests and Climate Change, GoI, Bays, No. 24-25, Sector 31-A, Chandigarh- 160030 Fax- 0172 2638135 E-mail: <u>chdmoefenv@gmail.com</u>, <u>ajay.mehrotra13@gov.in</u>

Subject: Environment Clearance of Kwar HE Project (540 MW) in Kishtwar, J&K: Compliance Report.

Reference: Environmental Clearance granted to the Project vide letter no. J-12011/4/2010-IA.I Dated: 10.04.2017

Sir,

We are enclosing herewith Six Monthly Environment Clearance Compliance Report in respect of Kwar HE Project for your kind information.

Thanking you and Warm Regards.

Yours Sincerely, 30.11.2017 14

General Manager Kwar HE Project Phone: 7889427227/ Email: gmkwarhep@gmail.com

Copy to:

Dr. S. Kerketta, Director, Impact Assessment Division-1 Miništry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Ali Ganj, New Delhi- 110003 Email: s.kerketta66@gov.in, <u>suna1466@rediffmail.com</u>



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Kwar HE Project (540 MW)

The project is located in district Kishtwar of J&K State. The Kwar H E Project of 540 MW installed capacity envisages construction of 109 mtr high Dam, an underground Power House with 4 units of 135 MW each.

1. Status of Clearances:

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Clearance	Status	
Appraisal by CEA	Appraisal accorded by CEA vide letter no. 2/NHPC/57CEA/2007- PAC/41-75 dated 23.02.2017.	
Forest Clearance (by J&K State Govt.)	Govt. of J&K has accorded Forest Clearance on 08.08.2014 for diversion of 29.75 Ha forest land.	
Environmental Clearance (by MOEF&CC)	Accorded by MOEF&CC vide letter no. J- 12011/4/ 2010 - IA.I on 10.04.2017.	
R&R Plan	R&R plan for PAFs as approved by MOEF&CC was submitted to DC Kishtwar. R&R plan was finalized by DC Kishtwar & submitted to Divisional Commissioner Jammu on 24.07.2017 for approval of Govt.	

2. Status of Tender

The Project is to be executed in the following three packages

- i. Civil Works Package (Lot I)
 - II. Hydro Mechanical package (Lot II)
 - iii. Electro Mechanical package (Lot III)

Civil Works Package (Lot I) : Tender documents for Lot I Civil package has been issued on 28.07.2017 with last date of submission on 07.12.2017.

HM Package (Lot II) : Tendering is in process.

E&M Package (Lot III) : Tendering is in process.

3. Status of Land Acquisition

Notification under Section 9 & 9A of the J&K State Land Acquisition Act has been issued on 30.06.2017 for acquisition of Private & State land. Issuance of final award is awaited.

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ANNEXURE-I

Six Monthly Environment Clearance Compliance Report (ECCR) for Kwar HE Project (540MW), in District Kishtwar of J&K State (April 2017 to September 2017)

- 1 Name of Project
- 2 Type of Project
- 3 Clearance letters OM No. and date
 - (a) Environment Clearance
 - (b) Forest Clearance
- 4 Locations
 - (a) District (s)
 - (b) State
 - (c) Latitude
 - (d) Longitude
- 5 Address for Correspondence
 - (a) Address of concerned
 Project Head (with Pin code, Telephone/Fax no.)

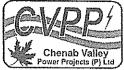
- Kwar HE Project (540 MW) Hydro Electric Project
- (a) Letter no. J-12011/4/2010-IA.I Dated: 10.04.2017
- (b) Letter no. 268- FST of 2014 dated 08.08.2014 of GoJK (for 29.75 Ha land)
 - (a) Kishtwar
 - (b) Jammu and Kashmir
 - (c) 33º21'01"N
 - (d) 75°53'39"E
 - (a) General Manger,
 Kwar HE Project, Chenab Nagar-II, Kishtwar,
 J&K.
 Pin code- 182206
 Telephone:- 01995259230

Email: gmkwarhep@gmail.com

- (b) Address of concerned HOD in Corporate Office (with Pin code, Telephone/Fax no.)
- (b) Managing Director,
 Chenab Valley Power Project (Pvt.) Ltd.
 Chenab Jal Shakti Bhawan, Opp. Sarasvati
 Dham, Rail Head Complex
 Jammu- 180012, J&K
 Phone/ Fax: 0191 2479826/ 2479835

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6 Detail of Environmental Management Plan Environmental Management Plans to be implemented at the project are:

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No.

EMP

- 1. Biodiversity Conservation& Management Plan
- 2. Catchment Area Treatment Plan (CAT)
- 3. Fisheries Development Plan
- 4. Solid Waste Management Plan
- 5. Public Health Delivery System
- 6. Energy Conservation Measures
- 7. Muck Disposal Plan
- 8. Landscaping & restoration Plan
- 9. Air & Water Management Plan
- 10. Reservoir Rim treatment Plan
- 11. Compensatory Afforestation plan
- 12. Rehabilitation & Resettlement Plan
- 13. Environmental Monitoring Programme
- 14. Disaster Management Plan

7 Breakup for Project area (Land details)

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Forest Land: 29.75 ha Private Land: 17.03 ha State Land. 89.57 ha Total Land: 136.35 ha

8 Breakup of Project affected population with enumerations of those losing house/dwelling units only, agriculture land only, both house and agriculture land and landless labours / artisians. No of affected Villages:- 5 Total PAFs:- 63 Displaced PAFs :- 29 Non Displaced PAFs :- 34

- (a) SC/ST/Adivasis
- (b) Others

(a) Scheduled Tribe: 19 families.

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- 9 **Financial Details** (a) Project cost as originally Project cost: 4,949.24 Cr (April. 2016 PL) TEA approved: 4,949.24 Cr (April 2016 PL) planned and subsequent revised estimates and the vear of price reference Actual expenditure: 27.48 Crs (till Sep. 2017) (b) Actual expenditure incurred on the Project so far Allocations for EMP: 137.35 Crs (c) Allocation made for Environment (as approved by MoEF&CC) Management Plan (d) Actual expenditure Actual expenditure incurred on EMP: incurred on EMP so far Payment released on account of Forest clearance: Rs 3.44 Crs Payment released towards extraction of Forest trees: Ť Rs 4.83 Lakhs 10 **Forest Land Requirements** (a) Forest clearance for diversion of 29.75 Ha forest (a) Status of approval diversion land from GoJK obtained vide Order no. 268- FST of Forest Land for nonof 2014 dated 08.08.2014 forestry use (b) The status of clear felling of (b) Clear felling status: The extraction of forest trees trees in Forest Land is in process. 11 Status of Construction (a) Date of commencement (planned) : April 2018 (a) Date of commencement (actual and/or planned) (b) Date of completion (planned): 54 months from the
 - (b) Date of completion (actual and/or planned)
 - 12 Reasons for the delay (If the Project is yet to be started)

Tendering in Packages (LOT-1, LOT-2, LOT-3) is in process.

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start of major works.

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- 13 Details of Site visits

Details are enclosed as Annexure-II.

Nil Nil

(a) By Monitoring Committee (b) By Regional Office 14. Brief note on the status of

compliance of the conditions

stipulated by MOEF&CC

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ANNEXURE-II

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Status of Compliance to the conditions stipulated by MoEF&CC, Govt. of India vide Environmental Clearance letter no. J-12011/4/2010-IA-I dated 10.04.2017

S.No.	Specific Conditions	Compliance Status
i.	As and when the Cumulative Impact Assessment & Carrying Capacity Studies (CIA& CCS) of the Chenab River Basin of J&K is carried out, the recommendation therein for Kwar HEP shall be followed by PP.	Shall be complied
ii	The Catchment Area Treatment Plan (CAT) as has been proposed in the EMP shall be strictly implemented in consultation with the J&K State Forest Department. Major works of CAT shall be completed before impounding of reservoir. The CAT plan will be implemented in 5 years time and the maintenance work shall be undertaken for next 5 years. Financial allocation of Rs. 2930.56 lakhs for CAT plan implementation shall be fully utilized and not be diverted for any other purpose. As per CAT plan, the area to be treated is 2211 ha.	Shall be complied (Construction yet to be started)
ĔĬĬ	Land acquired for the project shall be suitably compensated with the prevailing guidelines and all commitments made during the public hearing shall be fulfilled. The R&R benefits for the Project Affected Person (PAPs) should be adequately compensated for loss of assets and assisted to re-establish their livelihoods. The assessment has been made as per the norms of the National Rehabilitation & Resettlement Policy (NRRP), 2007 and guidelines of J&K State Government. The project affected population should be resettled and rehabilitated as per the Jammu & Kashmir state R&R policy. All R&R issues shall be completed before commissioning of the project.	The R&R Plan of Kwar HE Project was submitted to DC Kishtwar on 21.04.2017. The plan was forwarded by DC Kishtwar to Divisional Commissioner Jammu on 19.06.2017 for approval of Govt. Approval from GoJK is awaited.
iv	Implementation of R&R plan is to be closely monitored by the state Authority and is to be ensured that all Project Affected Families (PAF's) shall get adequate & timely compensation.	Shall be complied
V	A Monitoring Committee for R&R should be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.	Shall be complied
vi	All the commitments made during the public hearing should be fulfilled completely by project proponent and record	

(Grea) Mgr(C)

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		maintained.	NMALINE
	vii	A minimum environmental flow of 16.49 cumec during lean season (December to March), 74.09 cumec during monsoon season (June to September) and 16.79 cumec during remaining four months (October-November & April- May) shall have to be maintained. On line monitoring system for the e-flow releases measurement shall be installed and data be displayed at appropriate site for civil society and stake holders. Six monthly results shall be submitted to the Regional office of the Ministry.	Shall be complied
	viii	Dumping and consolidation/compaction of the muck shall be carried out only in the designated muck dumping sites as submitted in the EIA/EMP report. As per the proposed muck disposal plan given in EMP, out of the 38.73 lakh m ³ of muck to be generated, 8.13 lakh m ³ will be reused in various project components and remaining 30.60 lakh m ³ will be dumped at 3 designated disposal sites in an allocated area of 34.35 ha. The dumping sites shall be more than 30 m away from the HFL of the river and the toe walls for muck disposal sites shall be constructed at least 30 m away from HFL of River. Allocated grant of Rs. 3,419.30 lakhs shall be fully utilized and not to be diverted for any other purpose.	Shall be complied (Construction of major project works yet to be started)
	ix	Proposed Compensatory Afforestation Programme in 59.50 ha of ^a degraded forest area shall be undertaken in consultation with State Forest Department. Allocated grant of Rs. 385.03 lakh shall be fully utilized and not to be diverted for any other purpose.	Shall be complied An amount of Rs 3.44 Crs was deposited with Forest deptt for diversion of 29.75 Ha of Forest land including Rs 41.65 lakhs towards compensatory afforestation. Compensatory afforestation shall be carried out by Forest Department under
k	x	Landscaping & Restoration Plan as proposed in EMP Report, shall be developed. The proposed plan includes Treatment of Borrow Pits and Quarry Sites, Landscaping & Restoration and Greenbelt development. Local indigenous varieties of plants to be planted and maintained till their full growth including gap filling. The implementation shall be undertaken in consultation with State Forest Department. The allocated budget of Rs. 224.04 lakhs shall be fully utilized for this purpose and not to be diverted to any other purpose.	

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xi	Solid waste Management Plan as proposed in the EMP report shall be implemented, the plastic waste generated should be disposed of by recycling and not by land fillings. Allocated grant of Rs 221.60 lakh shall be fully utilized and not to be diverted for any other purpose.	Shall be complied
	Proposed Biodiversity Conservation & Management plan as outlined in the EMP shall be implemented with State Forest Department. The allocated budget of Rs. 140.48 lakhs for this purpose shall be fully utilized and shall not to be diverted for any other purpose.	Shall be complied
xii	Proposed Reservoir Rim Treatment Plan with both biological and engineering measures shall be implemented strictly, allocated amount of Rs. 1043.69 lakhs should be fully utilized and shall not be diverted for any other purpose.	
xiii	The Fisheries Development Plan as proposed in the EMP shall be implemented completely with the State Fisheries Department. As proposed, a fish hatchery shall be developed in 2 ha of area for development of fingerlings for stocking of reservoir and river. The budget of Rs. 798.59 lakhs provided for fisheries development plan should be fully utilized for this purpose and not be diverted for any other purpose.	Shall be complied
xiv	Skill mapping of the area to be got conducted, mentioning the skills inherent of the local people, and based on the skill mapping, the training to the youths be incorporated for their appropriate engagement in the Project.	Shall be complied
xv	Equipments likely to generate high noise levels during construction period or otherwise shall have to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA) 1986. This shall be strictly compiled	Shall be complied
xvi	The case for diversion of 29.75 ha of forest land for the project has been approved by the J&K State Forest Advisory Committee in its 81 st meeting held of 9 th of December 2013 and requisite payment in this regard has also been deposited with the Forest Department. Necessary forest clearance required for the project shall be obtain and informed this Ministry accordingly.	diversion of 29.75 Ha Forest land was accorded vide Govt. order no: 268 FST of 2014 dated
xvii	Any other clearance required from any other organization/department should be obtained before commencement of works and commissioning of the project, as applicable	

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	General Conditions		
I	Adequate arrangements for ensuring availability of fuel like kerosene/LPG shall be provided at the project cost for the labourers to be engaged during construction work so that Indiscriminate felling of trees is prevented. The energy conservation measures as provided in EMP shall be fully implemented.	Shall be complied	
	The labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit. Periodic health check-up and medical facilities shall also be provided to the labourers during construction period.	Shall be complied	
iii	Recreational facilities shall be provided to the labourers.	Shall be complied	
iv	Water sprinkling arrangements shall be made to suppress fugitive emissions/ dust.	Shall be complied	
v	Potable drinking water and proper sanitary facilities shall be provided for the labour force. Proper disposal facilities for solid waste are to be ensured.	Shall be complied	
vi	Restoration of construction area including muck dumping sites shall be ensured by leveling, filling up of borrow pits, landscaping, etc. The area should be properly treated with plantation.	Shall be complied	
vii	Environmental parameters shall be monitored and "Six monthly monitoring reports" shall be submitted to the Ministry of Environment, Forest & Climate change, New Delhi including its Regional office for their review.	Shall be complied	
vili	Disaster management plan as provided in EMP shall be implemented in consultation with the District Authorities and early warning system shall be installed.	Shall be complied	
ix	An Environmental Management Cell (EMC) shall be established at the project level with sufficient manpower. The head of the EMC shall report directly to the head of the project for speedy implementation of EMP & related issues.	Shall be complied	
Other Conditions stipulated in EC Letter requiring compliance by CVPP			
7.	The Project Proponent shall provide full cooperation and provide all requisite documents/data to the Officials from concerned Regional Office of the Ministry who would be	Shall be complied	

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st.	monitoring the implementation of environmental safeguards and to undertake inspection.	
8.	The responsibility of implementation of environmental safeguards rests fully with the M/s. Chenab Valley Power Projects Pvt. Ltd. and Government of Jammu & Kashmir. Therefore, these may be critically reviewed jointly & periodically.	Shall be complied
9.	Besides the above stated conditions, the Project Proponent shall also implement all other environmental safeguards, as proposed in the EIA/EMP report and other reports from time to time. The Government of Jammu & Kashmir may also like to monitor implementation of EMP at regular intervals.	Shall be complied
10,	The Environmental Management Plan (EMP) shall be strictly adhered to and a sum of Rs. 137.35 crores, the budgetary provisions for the implementation of EMP, shall be fully utilized and shall not be diverted for any other purpose.	Shall be complied
11.	In case of change in the scope of the project, the same may be intimated to the Ministry and a fresh approval, if required, shall be taken from the Ministry.	Shall be complied, if required.
12.	Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act, 1986 to ensure effective implementation of the suggested measures in a time bound and satisfactory manner.	Shall be complied
13.	This clearance letter is valid for a period of 10 years from the date of issue of this letter for completion of the project.	Noted
14.	A copy of clearance letter shall be marked to concerned Panchayat/Zila Parishad/Municipal Corporation, Urban Local Body and local NGO, if any, from whom any suggestion/representations were received while processing the proposal. The clearance letter shall also be put on website by the project proponent.	Complied
16.	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of the clearance letters are available with State Pollution Control	Complied. The advertisement was published in two news papers viz: 1. Daily Excelsior (English) dated

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[Board/Committee and may also be seen at website of	13.04.2017 and
	MoEF&CC. http://www/moef.nic.in	2. Daily Udaan (Urdu) dated 13.04.2017.
17.	well as by e-mail) to respective Regional Office of MoEF&CC.	Being Complied. This is the first ECCR for the period from April 2017 to September 2017.
18.	After 5 years of commissioning of the project, a study shall be undertaken regarding impact of the project on the environment and over the downstream ecology of the project. The study shall be undertaken by independent agency to be decided in consultation with the Ministry.	Shall be complied
19.	A Multi-Disciplinary Committee (MDC) for monitoring the implementation of environmental safeguards during construction shall be constituted by the project proponent (PP) in consultation with the Ministry as early as possible. A panel may be proposed by the PP and submitted to Ministry and the Government of Jammu & Kashmir. The project proponent shall organize six monthly meetings of the Committee and submit the monitoring report to the ministry. The MDC will monitor' specifically the stability and effectiveness of muck dumping sites during all visits and monitor it & suggest remedial measures, if so required.	Being Complied The proposal for constitution of Multi Disciplinary Committee has been submitted to MoEFCC vide letter no: CVV/KK/C.O/Jmu/2017/70 6-707 dated- 22.11.2017 along with the nomination letters received from various departments of State Govt.

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