

## Chenab Valley Power Projects [P] Limited

[A Joint Venture among NHPC Limited (A Govt. of India Enterprise),  
JKSPDC (A Govt. of J&K Undertaking) and PTC India Ltd]  
CIN-U40105JK2011PTC003321  
E-mail: gmkwahrep@gmail.com

## Kwar HE Project

Chenab Nagar - II  
Distt. - Kishtwar  
(J&K) - 182206  
Ph. no. 01995 259230

CVPP/KWAR/GM/2020-21/ 377

Dated: 24.11.2020

Deputy Director General of Forests (Central),  
Northern Regional Office,  
Ministry of Environment, Forests and Climate Change, GoI,  
Bays No. 24-25, Sector 31-A,  
Chandigarh- 160030  
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**Sub: Kwar HE Project (540 MW) in District Kishtwar, J&K: Submission of Environment Clearance Compliance Report (ECCR) for the period from April 2020 to September 2020.**

**Ref: Environmental Clearance granted to the Project vide letter no. J-12011/4/2010-IA.1 dated: 10.04.2017.**

Sir,

We are enclosing herewith Six Monthly Environment Clearance Compliance Report in respect of Kwar HE Project for the period from April 2020 to September 2020 for your kind information.

Thanking you and Warm Regards.

Yours Sincerely,

  
General Manager

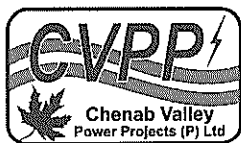
Kwar H.E Project

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Copy to:

1. **Dr. S. Kerketta, Director, Impact Assessment Division-1,  
Ministry of Environment, Forests & Climate Change,  
Indira Paryavaran Bhawan, Jor Bagh Road, Ali Ganj,  
New Delhi- 110003  
Email: s.kerketta66@gov.in, suna1466@rediffmail.com**
2. **Member Secretary, J&K State Pollution Control Board,  
Parivesh Bhawan, Sheikh-ul-Alam Campus,  
Behind Govt. Silk Factory, Raj Bagh, Srinagar (J&K)  
Email: membersecretaryjkspcb@gmail.com**
3. **General Manager, Planning Division, CVPPPL, Jammu.**





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### Kwar HE Project (540 MW)

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. The project is located in district Kishtwar of J&K State

#### 1. Status of Clearances:

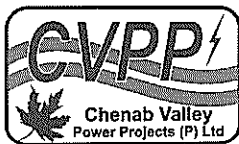
Clearance	Status
Appraisal by CEA	Appraisal accorded by CEA vide letter no. 2/NHPC/57CEA/2007-PAC/41-75 dated 23.02.2017.
Forest Clearance (by J&K State Govt.)	Govt. of J&K has accorded Forest Clearance on 08.08.2014 for diversion of 29.75 Ha forest land.
Environmental Clearance (by MOEF&CC)	Accorded by MOEF&CC vide letter no. J- 12011/4/2010-IA.I on 10.04.2017.
R&R Plan	GoJK accorded approval to the R&R plan of the project vide Govt. Order No.-44- DMRR&R of 2018 dated 03.08.2018.

#### 2. Status of Tender

The Project is to be executed in the following three packages

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

<b>Civil Works Package (Lot I)</b>	:	Tender documents for Lot I Civil package was issued on 28.07.2017 with last date of submission on 18.06.2018. Technical Bids received were opened on 18.06.2018. M/s L&T Emerged as L1. The Tender had been cancelled on 04.03.2020 due to anticipated delay in accord of CCEA approval of the Project and the process of e-tendering with reverse auction is in progress. Fresh NIT has been floated.
<b>HM Package (Lot II)</b>	:	Tender documents for Lot II HM package was issued on 27.10.2017 with last date of submission on 07.12.2018. Technical Bids received were opened on 07.12.2018. The Offline tender for Lot II HM Package was cancelled on 26/08/2019 and the bidders were informed for the same. Process of e-tendering work is in progress.
<b>E&amp;M Package (Lot III)</b>	:	Tender documents for Lot III EM Package was issued on 30.10.2017 with last date of submission on 27.08.2019. The Offline tender for Lot III EM Package was cancelled on 26/08/2019. Process of e-tendering work is in progress.



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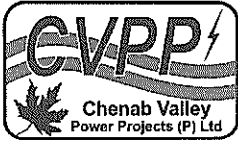
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### **3. Status of Land Acquisition**

Final Award for Land Acquisition has been issued by Collector Land Acquisition, Kishtwar on 22/03/2018 and accordingly Rs 24.35 crores have been placed at the disposal of Collector Land Acquisition, Kishtwar for disbursement to the land owners, out of which Rs 18.835 Crores has been disbursed to the land owners/adjusted against payment of State land till date.

### **4. Status of Infrastructure Works:-**

1. LOA for construction of approach road to the Dam site issued in April 2018. Total length of work (4.695 Km) has been completed.
2. LOA for construction of 81m span 70R double lane Steel Truss Bridge over River Chenab was issued on 31/08/2018. Excavation work on right bank is under progress. Excavation work on left bank is also under progress.



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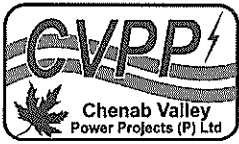
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### ANNEXURE-I

**Six Monthly Environment Clearance Compliance Report (ECCR)**  
**for Kwar HE Project (540MW), in District Kishtwar of J&K State**  
**(April to September 2020)**

1	Name of Project	Kwar HE Project (540 MW)																		
2	Type of Project	Hydro Electric Project																		
3	Clearance letters OM No. and date (a) Environment Clearance  (b) Forest Clearance	(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)																		
4	Locations (a) District (s) (b) State (c) Latitude (d) Longitude	(a) Kishtwar (b) Jammu and Kashmir (c) 33 <sup>0</sup> 21'01"N (d) 75 <sup>0</sup> 53'39"E																		
5	Address for Correspondence (a) Address of concerned Project Head (with Pin code, Telephone/Fax no.)  (b) Address of concerned HOD in Corporate Office (with Pin code, Telephone/Fax no.)	(a) General Manger, Kwar HE Project Chenab Valley Power Projects (Pvt.) Ltd. Chenab Nagar-II, Kishtwar J&K. Pin code- 182206 Telephone:- 01995259230 Email: gmkwarhep@gmail.com  (b) Managing Director, Chenab Valley Power Projects (Pvt.) Ltd. Chenab Jal Shakti Bhawan, Opp. Saraswati Dham, Rail Head Complex Jammu- 180012, J&K Phone/ Fax: 0191 2479826/ 2479835																		
6	Detail of Environmental Management Plan	Environmental Management Plans to be implemented at the project are: <table border="1"> <thead> <tr> <th>S. No.</th> <th>EMP</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Biodiversity Conservation &amp; Management Plan</td> </tr> <tr> <td>2.</td> <td>Catchment Area Treatment Plan (CAT)</td> </tr> <tr> <td>3.</td> <td>Fisheries Development Plan</td> </tr> <tr> <td>4.</td> <td>Solid Waste Management Plan</td> </tr> <tr> <td>5.</td> <td>Public Health Delivery System</td> </tr> <tr> <td>6.</td> <td>Energy Conservation Measures</td> </tr> <tr> <td>7.</td> <td>Muck Disposal Plan</td> </tr> <tr> <td>8.</td> <td>Landscaping &amp; restoration Plan</td> </tr> </tbody> </table>	S. 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
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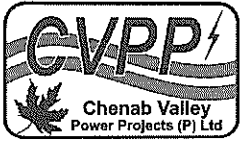
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		9. Air & Water Management Plan
		10. Reservoir Rim treatment Plan
		11. Compensatory Afforestation plan
		12. Rehabilitation & Resettlement Plan
		13. Environmental Monitoring Programme
		14. Disaster Management Plan
7	Breakup for Project area (Land details)	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 / artisans.  (a) SC/ST/Adivasis (b) Others	No of affected Villages : 5 Total PAFs : 63 Displaced PAFs : 29 Non Displaced PAFs : 34  (a) Scheduled Tribe : 19 families.
9	Financial Details (a) Project cost as originally planned and subsequent revised estimates and the year of price reference (b) Actual expenditure incurred on the Project so far (c) Allocation made for Environment Management Plan (d) Actual expenditure incurred on EMP so far	TEA approved cost: Rs. 4,949.24 Cr (April 2016 PL) Updated cost under consideration for PIB Clearance: Rs. 4,948.26 Cr (July 2018 PL)  Actual expenditure: 161.97 Crs (till September 2020)  Allocations for EMP: 137.35 Crs (as approved by MoEF&CC)  Actual expenditure incurred on EMP: Payment released on account of Forest clearance: Rs 3.44 Crs Payment released towards extraction of Forest trees: Rs 4.83 Lakh
10	Forest Land Requirements (a) Status of approval diversion of Forest Land for non-forestry use  (b) The status of clear felling of trees in Forest Land	(a) Forest clearance for diversion of 29.75 Ha forest land from GoJK obtained vide Order no. 268- FST of 2014 dated 08.08.2014.  (b) Clear felling status: Tree felling is in process.  The diverted Forest land has been handed over by Forest Department to CVPPPL on 14.03.2018.



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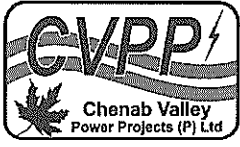
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11	Status of Construction (a) Date of commencement (actual and/or planned) (b) Date of completion (actual and/or planned)	(a) Date of commencement (planned) : After Investment approval by Gol. (b) Date of completion (planned): 54 months from the start of major works.
12	Reasons for the delay (If the Project is yet to be started)	Investment approval from Gol is awaited.
13	Details of Site visits (a) By Monitoring Committee (b) By Regional Office	Nil Nil
14.	Brief note on the status of compliance of the conditions stipulated by MOEF&CC	Details are enclosed as Annexure-II.







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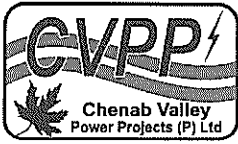
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### ANNEXURE-II

#### 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.	Conditions	Compliance Status
<b>Specific Conditions</b>		
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.
iii	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. GoJK constituted the Empowered Committee under the Chairmanship of Chief Secretary, GoJK to finalize and monitor the implementation of R&R plan of Kwar HEP vide G.O. No. 1281-GAD of 2017 dated 09.10.2017.  Empowered committee recommended the plan for approval of Government,



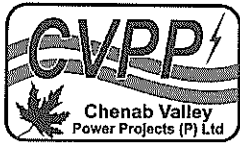
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		<p>after detailed deliberations, in its meeting held on 27.11.2017. The minutes of the meeting were issued vide No. DMRRR/Rehab/24/2017 dated 28.12.2017.</p> <p>GoJK has approved the R&amp;R plan of the project vide Govt. Order No.-44-DMRR&amp;R of 2018 dated 03.08.2018.</p>
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.	GoJK constituted the Empowered Committee under the Chairmanship of Chief Secretary, GoJK to finalize and monitor the implementation of R&R plan of Kwar HEP vide G.O. No. 1281-GAD of 2017 dated 09.10.2017.
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.	GoJK approved the R&R plan of the project vide Govt. Order No.-44-DMRR&R of 2018 dated 03.08.2018 wherein approval has also been granted for constitution of Project level committee under the Chairmanship of Deputy Commissioner. Committee is yet to be constituted.
vi	All the commitments made during the public hearing should be fulfilled completely by project proponent and record maintained.	<p>Shall be complied</p> <p>The R&amp;R Plan has been prepared by District Administration while duly considering the aspirations and demands of local people.</p> <p>The R&amp;R Plan shall be implemented, as approved by the GoJK.</p>



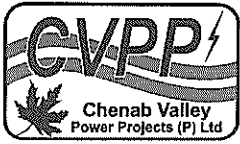
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vii	A minimum environmental flow of 16.49 cumec during lean season (December to March), 74.09 cumec during monsoon season (June to September) and 16.79 cumec during remaining four months (October-November & April-May) shall have to be maintained. On 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 <sup>3</sup> of muck to be generated, 8.13 lakh m <sup>3</sup> will be reused in various project components and remaining 30.60 lakh m <sup>3</sup> 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 is yet to be started)
ix	Proposed Compensatory Afforestation Programme in 59.50 ha of 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  Requisite 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.  The compensatory afforestation shall be carried out by Forest Department under CAMPA for which the matter has been taken up with the appropriate Authorities.
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	Shall be complied.



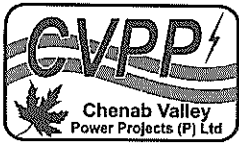
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	in consultation with State Forest Department. The allocated budget of Rs. 224.04 lakhs shall be fully utilized for this purpose and not to be diverted to any other purpose.	
xi	Solid waste Management Plan as proposed in the EMP report shall be implemented, the plastic waste generated should be disposed of by recycling and not by land filling. Allocated grant of Rs 221.60 lakh shall be fully utilized and not to be diverted for any other purpose.	Shall be complied.
xii	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 be diverted for any other purpose.  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.	Shall be complied. (The matter has been taken up with Forest Department for implementation of Biodiversity Conservation & Management Plan)
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 shall not be diverted for any other purpose.	Shall be complied.  The matter has already been taken up with J&K State Fisheries Department for implementation of Fisheries Development Plan.
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.	Being complied.  Skill Mapping is in Progress.
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 complied	Shall be complied.  The major project construction works are yet to start.
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 <sup>st</sup> meeting held of 9 <sup>th</sup> 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	Forest Clearance for diversion of 29.75 Ha Forest land was accorded vide Govt. order no: 268-FST of 2014 dated 08.08.2014.



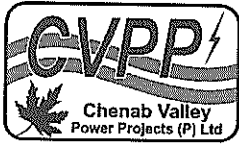
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	Ministry accordingly.	
xvii	Any other clearances required from any other organization/department should be obtained before commencement of works and commissioning of the project, as applicable.	Shall be complied as and when required.
<b>General Conditions</b>		
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
ii	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. Monitoring exercise shall be conducted after start of major construction works.
viii	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 in consultation with District Disaster Management Authority.



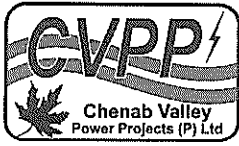
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ix	An Environmental Management Cell (EMC) shall be established at the project level with sufficient manpower. The head of the EMC shall report directly to the head of the project for speedy implementation of EMP & related issues.	Complied EMC has been constituted on 22.06.2018.
<b>Other Conditions stipulated in EC Letter requiring compliance by CVPP</b>		
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 monitoring the implementation of environmental safeguards and to undertake inspection.	Shall be complied
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.	There is no change in scope of the Project. 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.	Noted
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	Complied.



## Chenab Valley Power Projects [P] Limited

[A Joint Venture among NHPC Limited (A Govt. of India Enterprise),  
JKSPDC (A Govt. of J&K Undertaking) and PTC India Ltd]  
CIN-U40105JK2011PTC003321  
E-mail: gmkwarhep@gmail.com

## Kwar HE Project

Chenab Nagar - II  
Distt. - Kishtwar  
(J&K) - 182206  
Ph. no. 01995 259230

	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 Board/Committee and may also be seen at website of MoEF&CC. <a href="http://www/moef.nic.in">http://www/moef.nic.in</a>	Advertisement was published in two news papers viz: 1. Daily Excelsior (English) dated 13.04.2017 and 2. Daily Udaan (Urdu) dated 13.04.2017.
17.	The project proponent shall also submit six monthly reports on the status of compliance of stipulated EC conditions including the results of monitored data (both in hard copies as well as by e-mail) to respective Regional Office of MoEF&CC.	Being Complied.  Six monthly EC Compliance Reports are being timely submitted. Monitoring shall be undertaken upon start of major project construction works.
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.	Approval for constitution of MDC was accorded by MoEF&CC vide letter No. J-12011/4/2010-IA-1 dated 09.07.2018 with amendment issued vide No. J-12011/04/2010-IA-1(R) dated 02.05.2019.