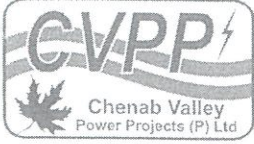


CHENAB VALLEY POWER PROJECTS (P) LIMITED

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



KIRU H.E PROJECT, Chenab Nagar-II, Distt. Kishtwar (J&K)-182206.
CIN:U40105JK2011PTC003321 Fax no. 01995-259505
e-mail: gmkkcvcpp@gmail.com website: www.cvcppindia.com

CVPP/Kiru/CE/2018/365

Dated:- 31.05.2018

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: chdmofenv@gmail.com, ajay.mehrotra13@gov.in

Subject: Environment Clearance of Kiru HE Project (624 MW) in Kishtwar, J&K: Compliance Report.

Reference: Environmental Clearance granted to the Project vide letter no. J-12011/32/2008-IA.I dated: 24.06.2016.

Sir,

We are enclosing herewith Six Monthly Environment Clearance Compliance Report (ECCR) in respect of Kiru HE Project for the period from October 2017 to March 2018 for your kind information.

Thanking you and Warm Regards.

Yours Sincerely,

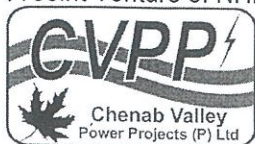
Chief Engineer (Civil)
Kiru H.E Project
Email: gmkkcvcpp@gmail.com

Copy to:

1. **Dr. S. Kerketta, Director, Impact Assessment Division-1**
Ministry of Environment, Forest & Climate Change,
Indira Paryavaran Bhawan,
Jor Bagh Road, Ali Ganj,
New Delhi- 110003
Email: s.kerketta66@gov.in, suna1466@rediffmail.com
2. **GM (Planning) CO Jammu.**

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Kiru H E Project (624 MW)

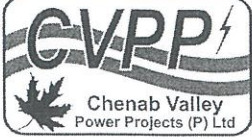
Kiru Hydro Electric project, a run-of-river scheme is located in Distt. Kishtwar of J&K State. The Kiru H E Project of 624 MW installed capacity is proposed on river Chenab and envisages construction of 135 mtr high Dam and an underground Power House with 4 units of 156 MW each.

1. Status of Clearances:

Clearance	Status
Appraisal by CEA	TEA accorded by CEA vide letter no. 2/NHPC/54/CEA/2006-PAC/652-86 dated 13.06.2016.
Forest Clearance (by J&K State Govt.)	Govt. of J&K has accorded Forest Clearance on 19.05.2016 for diversion of 82.05 Ha forest land.
Environment Clearance (by MOEF&CC)	Accorded by MOEF&CC vide letter no. J-12011 /32 /2008 -IA -1 on 24.06.2016.
Indus water Clearance	IWT clearance has been accorded by MOWR (RD&GR), Indus Wing on 24.10.2016.
PIB/CCEA	NHPC has submitted the revised Draft PIB to MOP on 10.08.2017 for infusion of equity by NHPC and investment approval for construction of the project. Both NHPC and GoJK have given their consent to MOP for infusion of required equity in the project.
R&R Plan	<p>R&R plan for PAFs as approved by MOEF&CC was submitted to DC Kishtwar on 12.07.2016. R&R plan was finalized by DC Kishtwar & submitted to Divisional Commissioner Jammu on 17.03.2017 for approval of Govt.</p> <p>GoJK has constituted Empowered Committee for implementation of R&R plan of Kiru HE Project on 24.08.2017.</p> <p>CVPP timely requested the GoJK (vide letter dated 12.06.2017) to enhance the cost provision for displaced PAFs pertaining to 'Land for House and House Construction Assistance' from Rs. 18 lacs to Rs. 33 lacs per displaced family. The request was duly considered by Empowered Committee in its meeting held on 06.10.2017 and revision</p>

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was advised.

Accordingly, the plan was revised by DC Kishtwar and resubmitted. The revised plan was forwarded by Divisional Commissioner, Jammu to Commissioner / Secretary Revenue Deptt. on 03.01.2018 for approval of GoJK.

The plan was discussed in the meeting of Empowered Committee held on 06.04.2018 wherein the plan has been recommended for approval of GoJK. The formal approval order is awaited.

2. Status of Tendering process

Kiru HE 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) : Evaluation of Stage-I Bid stand completed and Price bids opened on 28.06.2017. The contract can be awarded immediately after investment approval of the project from GOI.

HM Package (Lot II) : Evaluation of Bids has been completed and Price bid opened on 11.12.2017.

E&M Package (Lot III) : Evaluation of Bids has been completed and Price bid opened on 19.04.2018.

3. Status of Land Acquisition

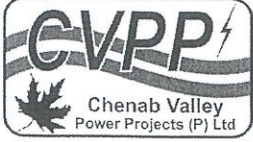
Final award for acquisition of land measuring 1750 Kanal 17 Marla for construction of the project has been issued by Collector, Land Acquisition, Kishtwar on 01.07.2017. An amount of Rs 26.94 crores has been deposited with ACR (Collector Land acquisition) for disbursement to PAFs and Rs. 10.60 crores have been disbursed so far.

4. Status of Infrastructure works

- i) Construction of approach roads for DT inlet and outlet awarded on 07.02.2017.
 - 850m work completed on alternate DT inlet road against total length of 1600m.
 - On DT outlet side formation cut is completed.

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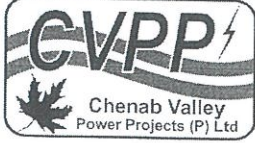


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- ii) Construction of road to Dam top from PMGSY's Chicha Road of the project has been awarded on 12.06.2017. Road cutting has been started and a progress of 200 m length achieved against total length of 215m
- iii) Letter of award to CWPRS has been issued on 08.12.2016 for conducting Hydraulic Model Studies of the project. The same is in progress.

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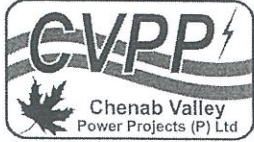
ANNEXURE-I

Six Monthly Environment Clearance Compliance Report (ECCR) for Kiru HE Project (624MW), in District Kishtwar of J&K State (October 2017 to March 2018)

1	Name of Project	Kiru HE Project (624 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-12011/32/2008-IA.I dated 24.06.2016. (b) Letter no. 143- FST of 2016 dated 19.05.2016 of GoJK (for 82.05 Ha land)
4	Locations (a) District (s) (b) State (c) Latitude (d) Longitude	(a) Kishtwar (b) Jammu and Kashmir (c) 33°20'37"N (d) 75°57'34"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) Chief Engineer (I/C), Kiru HE Projects, Chenab Nagar-II, Kishtwar, J&K. Pin code- 182206 Telephone:- 01995259505 Email: gmkkcvcpp@gmail.com (b) Managing Director, Chenab Valley Power Projects (P) Ltd., Chenab Jal Shakti Bhavan, Opposite Saraswati Dham, Rail Head Complex, Jammu (J&K) Pin 180012.

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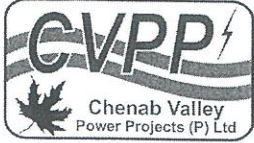
Fax no. 01995-259505

website: www.cvppindia.com

		Phone/ Fax: 0191 2479826/ 2479835																														
6	Detail of Environmental Management Plan	<p>Environmental Management Plans to be implemented at the project are:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>EMP</th> </tr> </thead> <tbody> <tr><td>1.</td><td>Biodiversity Conservation & Management Plan</td></tr> <tr><td>2.</td><td>Catchment Area Treatment Plan</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 & restoration Plan</td></tr> <tr><td>9.</td><td>Air & Water Management Plan</td></tr> <tr><td>10.</td><td>Reservoir Rim treatment Plan</td></tr> <tr><td>11.</td><td>Compensatory Afforestation plan</td></tr> <tr><td>12.</td><td>Rehabilitation & Resettlement Plan</td></tr> <tr><td>13.</td><td>Environmental Monitoring Programme</td></tr> <tr><td>14.</td><td>Disaster Management Plan</td></tr> </tbody> </table>	S. No.	EMP	1.	Biodiversity Conservation & Management Plan	2.	Catchment Area Treatment Plan	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
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7	Breakup for Project area (Land details)	<p>Forest Land: 82.05 ha Private Land: 36.2725 ha State Land: 51.27 ha River Bed Land (State Land): 61.00 ha Total Land: 230.5925 ha</p>																														
8	<p>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.</p> <p>(a) SC/ST/Adivasis (b) Others</p>	<p>No of affected villages : 3 Displaced PAFs : 93 Non-displaced PAFs : 66 Total PAFs : 159</p> <p>(a) Scheduled Tribe : 140 families</p>																														
9	<p>Financial Details</p> <p>(a) Project cost as originally planned and subsequent revised estimates and the year of price reference</p>	<p>TEA approved Cost : 4640.88 Cr (Sept. 2014 PL) Revised cost under consideration for PIB clearance: 4605.18 Cr (May 2017 PL).</p>																														

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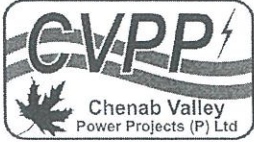
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	<p>(b) Actual expenditure incurred on the Project so far</p> <p>(c) Allocation made for Environment Management Plan</p> <p>(d) Actual expenditure incurred on EMP so far</p>	<p>Actual expenditure: 94.27 Cr (till March 2018)</p> <p>Allocations for EMP: 162.43 Crs (as approved by MoEF & CC)</p> <p>Actual expenditure incurred on EMP: Payment released on account of Forest clearance:- Rs. 9.44Crs Payment released toward extraction of Forest trees:- Rs. 52.99 lakhs</p>
10	<p>Forest Land Requirements</p> <p>(a) Status of approval diversion of Forest Land for non-forestry use</p> <p>(b) The status of clear felling of trees in Forest Land</p>	<p>(a) Forest clearance for diversion of 82.05 Ha forest land accorded by GoJK vide Order no. 143- FST of 2016 dated 19.05.2016</p> <p>(b) Clear felling status: Tree felling is in process by State Forest Corporation.</p>
11	<p>Status of Construction</p> <p>(a) Date of commencement (actual and/or planned)</p> <p>(b) Date of completion (actual and/or planned)</p>	<p>(a) Date of commencement (planned) : August 2018</p> <p>(b) Date of completion (planned): 54 months from the start of major works.</p>
12	<p>Reasons for the delay (If the Project is yet to be started)</p>	<p>Investment approval from GOI is awaited.</p>
13	<p>Details of Site visits</p> <p>(a) By Monitoring Committee</p> <p>(b) By Regional Office</p>	<p>Nil</p> <p>Nil</p>
14.	<p>Brief note on the status of compliance of the conditions stipulated by MOEF&CC</p>	<p>Details are enclosed as Annexure-II.</p>

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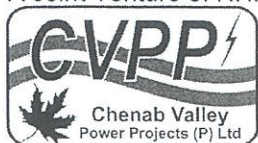
ANNEXURE-II

Status of Compliance to the conditions stipulated by MoEF&CC, Govt. of India vide Environmental Clearance letter no. J-12011/32/2008-IA-1 dated 24.06.2016 and Corrigendum to EC dated 29.07.2016.

S. No.	Specific Conditions	Compliance Status
i	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. Financial allocation of Rs. 1883.82 lakhs for CAT plan implementation shall be fully utilized and the same shall not be diverted for any other purpose.	Shall be complied Construction of major project works is yet to be started as the Investment Approval from GOI is awaited.
ii	R&R benefits for the land losing households will be as per NRRP-2007 & J&K state Govt. Adequate publicity of the compensation package should be circulated in the affected villages. However, this is to be compared with the state Rehabilitation and Resettlement policy, and the more beneficial policy is to be adopted for the PAF's. All R&R issues shall be completed before commissioning of the project.	The R&R Plan of Kiru HE Project was submitted to DC Kishtwar on 12.07.2016. The plan was forwarded by DC Kishtwar to Divisional Commissioner Jammu on 17.03.2017 for approval of Govt. Empowered Committee for implementation of R&R Plan for Kiru HE Project was constituted by GoJK vide G.O. no. 1088-GAD of 2017 dated 24.08.2017. CVPP timely requested the GoJK (vide letter dated 12.06.2017) to enhance the cost provision for displaced PAFs pertaining to 'Land for House and House Construction Assistance' from Rs. 18 lacs to Rs. 33 lacs per displaced family. The request was duly considered by Empowered Committee in its meeting held on 06.10.2017 and revision was advised. Accordingly, the plan was revised by DC Kishtwar and resubmitted. The revised plan was forwarded by Divisional

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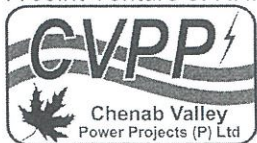
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		<p>Commissioner, Jammu to Commissioner / Secretary Revenue Deptt. on 03.01.2018 for approval of GoJK.</p> <p>The plan was discussed in the meeting of Empowered Committee held on 06.04.2018 wherein the plan has been recommended for approval of GoJK. The formal approval order is awaited.</p>
iii	<p>Implementation of R&R plan shall have to be closely monitored by the state authority and is to be ensured that all PAF's shall get adequate & timely compensation.</p>	<p>Empowered Committee for implementation of R&R plan has been constituted by GoJK vide G.O No. 1088-GAD of 2017 dated 24.08.2017 under the chairmanship of Chief Secretary, GoJK.</p>
iv	<p>A Monitoring Committee for R&R should be constituted which shall include representatives of project affected persons from SC/ST category and a woman beneficiary.</p>	<p>Monitoring Committee for R&R shall be constituted by the Government.</p> <p>The matter was taken up in the meeting of Empowered Committee held on 06.04.2018 wherein it was decided that the R&R Committee shall be constituted. Government Order in this regard is awaited.</p>
v	<p>All the commitments made during the public hearing should be fulfilled completely by project proponent and record maintained.</p>	<p>Shall be complied District Administration prepared the R&R Plan for Govt. approval after consultations with all stake holders and duly considering the aspirations and demands of local people.</p> <p>The plan as approved by GoJK shall be implemented.</p>

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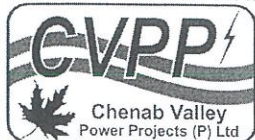
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vi	A minimum environmental flow of 16.33 cumec (20%) during lean season (December to March), 73.37 cumec (10%) during monsoon season (June to September) and 16.62 cumec (10%) during remaining four months (October – November & April – May) shall have to be maintained. Continuous monitoring system for the flow 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 Continuous monitoring system for flow measurement shall be installed.
vii	Dumping and consolidation/compaction of the muck shall be carried-out 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 25.78 lakh cubic meter of muck to be generated, 8.36 lakh cubic meter will be utilized for construction purpose and remaining 17.42 lakh cubic meter will be dumped at four designated disposal sites in an allocated area of 28.22 ha. The dumping sites shall be more than 30m away from the HFL of the river & the toe walls for muck disposal sites shall be constructed at least 30m away from HFL of river. Allocated grant of Rs. 1697.57 lakhs shall be fully utilized and not to be diverted for any other purpose.	Shall be complied (Major project works are yet to start)
viii	Proposed Compensatory Afforestation Programme in 164.10 ha of degraded forest area shall be undertaken in consultation with State Forest Department. Allocated grant of Rs. 1036 lakh shall be fully utilized and not to be diverted for any other purpose.	Shall be complied An amount of Rs 9.4463cr was deposited with forest deptt. for diversion of 82.05 Ha of Forest land including Rs. 1.1487cr towards compensatory afforestation. The compensatory afforestation shall be carried out by Forest Department under CAMPA.
ix	To enhance the quality of environment of project site, green belt, as proposed in EMP report, shall be developed. The proposed green belt along the project appurtenances shall be undertaken in consultation with State Forest Department. The allocated budget of Rs 28.78 lakhs shall be fully utilized for this purpose and not to be diverted for any other purpose.	Shall be complied
x	Proposed Biodiversity Conservation & Management plan as outlined in the EMP shall be implemented with State Forest Department. The allocated budget of Rs. 139.80 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. 620.17 lakhs should be fully utilized and shall not be diverted for any other purpose.	Shall be complied

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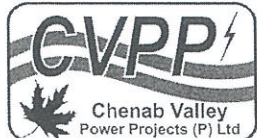
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xi	The Fisheries Development Plan as proposed in the EMP shall be implemented completely in consultation with the State Fisheries Department. As proposed, a fish hatchery shall be developed in 2 ha of area for development of fingerlings for stocking 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 been taken up with Fisheries Department for implementation of the Fisheries Development Plan.
xi(a)	The total project cost is Rs 4640.88 crores and EMP budget is Rs 147.32 crores is about 3.2%. The overall EMP budget should be raised to 3.5% (i.e 162.43 crores) of the project cost.	Complied MoEF&CC itself increased the EMP budget from Rs. 147.32 Crs to Rs. 162.43 Crs by provisioning additional Rs. 15.1073 Crs for Skill Mapping and Development Plan (as per the minutes of 91 st EAC meeting).
xii	As mentioned in EIA, 15 coldwater fish species have been identified in the river stretches including 2 exotic species, therefore, e- flow to be maintained for the downstream river depth, wetter perimeter, water quality and minimize fluctuation in ambient temperature during extreme conditions.	Shall be complied The stipulated seasonal e-flows shall be maintained during Project operation.
xiii	To maintain flourishing fish population/communities in the river, the river must witness all seasonal changes including low flow levels during lean season to maximum during monsoon/floods/high rains.	Shall be complied with release of the stipulated e-flows during Project operation.
xiv	Skill mapping of the area to be conducted, mentioning the skills inherent of the local people, skill requirement of the project and the best ways to develop the skills in the local people so that the locals can be employed in the project.	Being complied. Skill Mapping is in progress.
xv	Use of 82.05 ha of forest land for construction of Kiru HEP by CVPP has been granted by Govt. of J&K vide no. 143-FST of 2016 dated 19.05.2016. The project proponent shall adhere to terms and conditions of this Government order strictly.	Conditions stipulated in Forest Clearance are being complied.
xvi	Any other clearances required from any other concerned authorities should be obtained before commencement of works and commissioning of the project, as applicable.	Being complied
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

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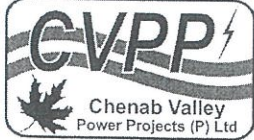
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ii	Medical facilities as well as recreational facilities shall also be provided to the labourers.	Shall be complied
iii	The labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit. Periodic health check up during construction period may also be taken up.	Shall be complied upon mobilization of work force by major contractors
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. Also 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 planted to develop good greenery in the area.	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	Solid waste management & sanitation facility will have to be provided for the labour force.	Shall be complied upon mobilization of work force by major contractors
ix	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
x	An Environmental Management Cell (EMC) shall be constituted 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 25.05.2018.
Other Conditions mentioned in the EC Letter:		
5.	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
6.	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.	Noted for compliance
7.	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.	Shall be complied
8.	The EMP shall be strictly adhered to and a sum of Rs. 162.43 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

CHENAB VALLEY POWER PROJECTS (P) LIMITED

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



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9.	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.
10.	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 for compliance.
11.	The clearance letter is valid for a period of 10 years from the date of issue of this letter for commencement of construction work.	Noted
12.	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.	Complied
14.	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 Board/Committee and may also be seen at website of MoEF&CC.	Complied. Advertisement was published in two news papers viz: 1. Daily Excelsior (English) dated 30.06.2016 and 2. Daily Udaan (Urdu) dated 30.06.2016.
15.	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. EC Compliance Reports for the period from April to September and October to March are being timely submitted.
16.	After five 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
17.	A Multi Disciplinary Committee for monitoring the implementation of environmental safeguards during construction shall be constituted by the project proponent in consultation with the MoEF&CC, New Delhi within six weeks of the issue of the EC letter. The committee shall meet every six month to review the status of implementation of EC conditions in general and monitoring of E-flow and stability and effectiveness of muck dumping sites in particular.	Being Complied The proposal for constitution of Multi Disciplinary Committee was submitted to MoEF&CC on 12.07.2016. Revised proposal along with nomination letters of proposed committee members has also been submitted to MoEF&CC on 24.05.2017. Approval of MoEF&CC for constitution of the committee is awaited.