

CVPP/Kiru/GM/2019/115

Dated:-28.05.2019

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

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Sub: Kiru HE Project (624 MW) in District Kishtwar, J&K : Submission of Environment Clearance Compliance Report (ECCR) for the period from October 2018 to March 2019.

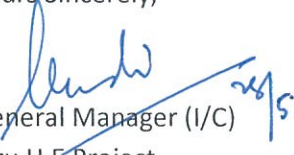
Ref: Environmental Clearance granted to the Project vide letter no. J-12011/32/2008-IA.I dated: 24.06.2016.

Sir,

We are enclosing herewith Six Monthly Environment Clearance Compliance Report in respect of Kiru HE Project for the period from October 2018 to March 2019 for your kind information.

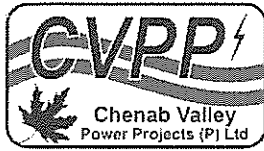
Thanking you and Warm Regards.

Yours Sincerely,


General Manager (I/C)
Kiru H.E Project
Email: gmkkcvpp@gmail.com

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, Forest Complex, Gladini, Narwal, Transport Nagar, Jammu (J&K)
Email: membersecretaryjkspcb@gmail.com
3. CGM, Planning Division, CVPPPL, Jammu.



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

CHENAB VALLEY POWER PROJECTS (P) LIMITED

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

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 HE Project with 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 vides 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	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 Clearance	Public Investment Board recommended the Investment Approval for the project in its meeting held on 28.01.2019. Thereafter, the Investment Approval was granted vide MOP letter dated 08.03.2019.
R&R Plan Approval	R&R Plan has been approved by GoJK vide Government Order No. 11-DMRR&R of 2019 dated 07.03.2019.

2. Status of Tendering process

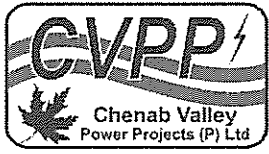
Kiru HE Project is to be executed in the following three packages

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

Civil Works Package (Lot I) : Evaluation of Stage-I Bid stand completed and Price bids opened on 28.06.2017.

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.



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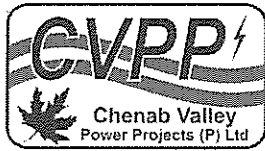
website: www.civppindia.com

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 land owners and Rs. 25.31 crores has been disbursed so far.

4. Status of Infrastructure works

- i) Construction of approach roads for DT inlet and outlet awarded on 07.02.2017. Road completed. All roads leading to major structures like Dam, DT, Power House, TRT have been completed.
- ii) Construction of benches for site Office, protection work is in Progress.
- 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.
- iv) Foundation work for temporary site offices near Dam site: - 75% work has been completed.
- v) Temporary Site Engineer Hall and Meeting Hall have been constructed near Pothead Yard.



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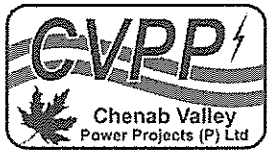
ANNEXURE-I

Six Monthly Environment Clearance Compliance Report (ECCR)

for Kiru HE Project (624MW), in District Kishtwar of J&K State

(October 2018 to March 2019)

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) Govt. Order 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) General Manager (I/C), Kiru HE Project, Chenab Valley Power Projects (P) Ltd., 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. Phone/ Fax: 0191 2479826/ 2479835



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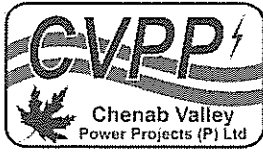
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website: www.cvsppindia.com

6	Detail of Environmental Management Plan	<p>Environmental Management Plans to be implemented at the project are:</p> <table border="1" data-bbox="735 367 1481 987"> <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: Rs. 4640.88 Cr (Sept. 2014 PL) CCEA approved cost: Rs. 4287.59 Cr (July 2018 PL)</p>																														



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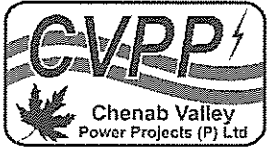
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	<p>(b) Actual expenditure incurred on the Project so far</p> <p>(c) Allocation made for Environment Management Plan</p> <p>(d) Actual expenditure incurred on EMP so far</p>	<p>Actual expenditure: 173.94 Cr (till March 2019)</p> <p>Allocations for EMP: 162.43 Crs (as approved by MoEF & CC)</p> <p>Actual expenditure incurred on EMP: Payment released on account of Forest clearance:- Rs 9.44 crs. Payment released towards 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 at site has been completed by State Forest Corporation. The diverted forest land has been taken over from Forest Department on 14.03.2018.</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) : After Award of Civil Package.</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 was accorded on 08.03.2019. After Sanction of Subordinate loan and Equity Contribution by J&K Govt./GOI, the Project is likely to be awarded.</p>
13	<p>Details of Site visits</p> <p>(a) By Monitoring Committee</p>	<p>Nil</p> 



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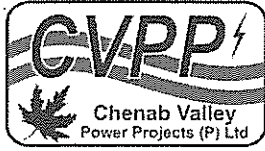
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	(b) By Regional Office	Nil
14.	Brief note on the status of compliance of the conditions stipulated by MOEF&CC	Details are enclosed as Annexure-II.



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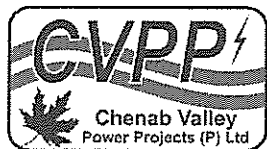
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ANNEXURE-II

Status of Compliance to the conditions stipulated by MoEF&CC, Govt. of India vide Environmental Clearance letter no. J-12011/32/2008-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 Before completion of the project.
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 forwarded by DC Kishtwar to Divisional Commissioner, Jammu on 17.03.2017 for approval of Government. 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. CVPPPL 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 in line with the provision approved for Kishanganga HE Project. 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



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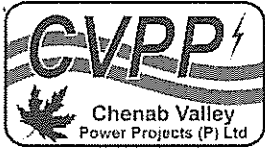
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		<p>resubmitted. The revised plan was forwarded by Divisional Commissioner, Jammu to Commissioner / Secretary Revenue Deptt. on 30.01.2018 for approval of GoJK.</p> <p>The plan was discussed in the meeting of Empowered Committee held on 06.04.2018 wherein the plan was recommended for approval of GoJK. The decision was conveyed through Minutes of Meeting issued on 21.05.2018.</p> <p>The R&R Plan has been approved by the State Administrative Council (SAC) as per Govt. Order no:- 11-DMRR&R of 2019 Dated:- 07.03.2019 as recommended by Empowered Committee.</p> <p>R&R Plan will be implemented before completion of the project.</p>
iii	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.	As per the approved R&R Plan, Deputy Commissioner, Kishtwar has been appointed as Commissioner for the implementation of R&R.
iv	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.	Monitoring Committee for R&R was constituted in the Empowered Committee Meeting held under the chairmanship of Chief Secretary J&K on 06.04.2018. The Committee shall include apart from the officers of the State Govt. as one of its members:- <ol style="list-style-type: none"> 1. A representative of a woman residing in the area, 2. A representative each of SC & ST residing in the area, 3. A representative of a voluntary organization,



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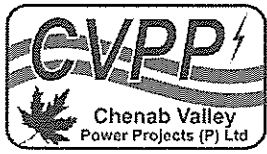
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		<ol style="list-style-type: none"> 4. A representative of the lead bank, 5. Chairperson(s) of the Panchayats and municipalities located in the affected area, or their nominee(s), 6. Members of Parliament and members of Legislative Assembly of the area included in the affected area, 7. The land acquisition officer of the project, and 8. A representative of the requiring body.
v	All the commitments made during the public hearing should be fulfilled completely by project proponent and record maintained.	<p>Shall be Complied</p> <p>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>
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.	<p>Shall be complied</p> <p>Continuous monitoring system for flow measurement shall be installed.</p>



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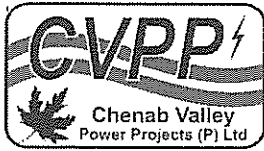
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vii	<p>Dumping and consolidation/compaction of the muck shall be carried-out in the designated muck dumping sites as submitted in the EIA/EMP report. As per the proposed muck disposal plan given in EMP, out of the 25.78 lakh cubic meter of muck to 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.</p>	<p>Shall be complied (Major project works are yet to start)</p>
viii	<p>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.</p>	<p>Shall be complied An amount of Rs 9.4463 Cr was deposited with Forest Deptt. for diversion of 82.05 Ha of Forest land including Rs. 1.1487Cr towards compensatory afforestation. J&K Forest Department was requested to provide physical and financial progress but the details have not been received so far.</p>
ix	<p>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.</p>	<p>Shall be complied</p>
x	<p>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.</p> <p>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.</p>	<p>Shall be complied</p>
xi	<p>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</p>	<p>Shall be complied The matter has been taken up with Fisheries Department for implementation of Fisheries</p>



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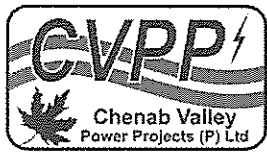
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	Rs. 798.59 lakhs provided for fisheries development plan should be fully utilized for this purpose and shall not be diverted for any other purpose.	Development Plan.
xi(a)	The total project cost is Rs 4640.88 crores and EMP budget is Rs 147.32 crores 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. The work for Skill Mapping is in progress in consultation with District Administration.
xv	Use of 82.05 ha of forest land for construction of Kiru HEP by CVPP has been granted by Govt. of J&K vides 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		



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.*

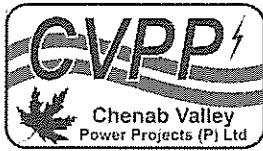
CIN:U40105JK2011PTC003321

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website: www.cvppindia.com

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	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 in consultation with District Disaster Management Authority.
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	Shall be complied



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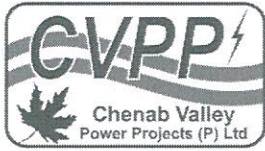
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	monitoring the implementation of environmental safeguards and to undertake inspection.	
7.	Besides the above stated conditions, the project proponent shall also implement all other environmental safeguards, as proposed in the EIA/EMP report and other 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
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.
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	Being Complied The proposal for constitution of Multi Disciplinary Committee was submitted to MoEF&CC on 12.07.2016.



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conditions in general and monitoring of E-flow and stability and effectiveness of muck dumping sites in particular.

Revised proposal along with nomination letters of proposed committee members was submitted to MoEF&CC on 24.05.2017.

Approval for constitution of committee has been granted by MoEF&CC vide letter no. J-12011/32/2008-IA.1 dated 09.07.2018.

However, vide letter dated 25.03.2019 MoEF&CC has been requested for minor amendment in the approval letter for clarity. Amendment from MoEF&CC is awaited.