

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

CIN: U40105JK2011PTC003321

Kwar HE Project, Chenab Nagar II, Distt. Kishtwar-182206 (I&K)

Ph:01995-259230

CVPP/KWAR/GM/2019-20/ 148

Dated: 29 .11.2019

Additional Director General (Central),
Northern Regional Office,
Ministry of Environment, Forests and Climate Change, Gol,
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 2019 to September 2019.

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 2019 to September 2019 for your kind information.

Thanking you and Warm Regards.

Yours Sincenely,

General Wanager

Email: gmkwarhep@gmail.com

Copy to:

- 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
- Member Secretary, J&K State Pollution Control Board, Parivesh Bhawan, Shelkh-ul-Alam Campus, Behind Govt. Silk Factory, Raj Bagh, Srinagar (J&K) Email: membersecretaryjkspcb@gmail.com
- 3. Chief 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 Gov (by J&K State Govt.) 29

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

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 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. Price Bid

Evaluation is under Progress.

HM Package (Lot II)

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. Now the tenders are to be invited online and PQ meeting expected to be held shortly for fixing the Qualification Criteria.

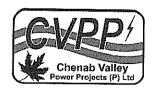
E&M Package (Lot III)

: 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. Now the tenders are to

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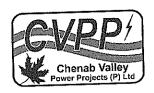
3. Status of Land Acquisition

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 17.35 Crores has been disbursed to the land owners/adjusted against payment of State land till date.

4. Status of Infrastructure Works:-

- LOA for construction of approach road to the Dam site issued in April 2018. A progress of 4.00 Km (earthwork) has been achieved against 4.48 Km and the protection works are under progress.
- 2. LOA for construction of 70R double lane Steel Truss Bridge over River Chenab was issued on 31/08/2018.Bridge location has been changed because bridge axis falling in the vicinity of DT outlet which may cause damage to bridge. The excavation works on right bank is in progress.

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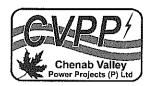
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ANNEXURE-I

Six Monthly Environment Clearance Compliance Report (ECCR) for Kwar HE Project (540MW), in District Kishtwar of J&K State (April 2019 to September 2019)

1	Name of Project	Kwar HE Project (540 MW)	
	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.1 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) 33º21'01"N (d) 75º53'39"E	
5	Address for Correspondence (a) Address of concerned Project Head (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) Address of concerned HOD in Corporate Office (with Pin code, Telephone/Fax no.)	(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: S. No. EMP 1. Biodiversity Conservation Management 2. Catchment Area Treatment Plan (CAT) 3. Fisheries Development Plan	

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		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	Forest Land: 29.75 ha	
	details)	Private Land: 17.03 ha	
		State Land: 89.57 ha	
		Total Land: 136.35 ha	
8	Breakup of Project affected population	No of affected Villages : 5	
	with enumerations of those losing		
	house/dwelling units only, agriculture		
	1	Displaced PAFs : 29	
	land only, both house and agriculture land and landless labours / artisians.	Non Displaced PAFs : 34	
	land and landless labours / artislans.		
	(a) SC/ST/Adivasis		
	(b) Others	(a) Cabadulad Triba	
9	Financial Details	(a) Scheduled Tribe : 19 families.	
9		TEA command and Dr. 4040 04 0 44	
	(a) Project cost as originally	TEA approved cost: Rs. 4,949.24 Cr (April	
	planned and subsequent	2016 PL)	
	revised estimates and the year	Updated cost under consideration for PIB	
	of price reference	Clearance: Rs. 4,948.26 Cr (July 2018 PL)	
	(b) Actual expenditure incurred on		
	the Project so far	Actual expenditure: 137.20 Crs (till September	
	(c) Allocation made for	2019)	
	Environment Management		
	Plan	Allocations for EMP: 137.35 Crs	
	(d) Actual expenditure incurred on EMP so far	(as approved by MoEF&CC)	
		Actual expenditure incurred on EMP:	
ĺ		Payment released on account of Forest	
		clearance:	
		Rs 3.44 Crs	
		Payment released towards extraction of	
ļ		Forest trees: Rs 4.83 Lakh	
		1 0163(11663, 1/3 4.03 LAKI)	

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10	Forest Land Requirements (a) Status of approval diversion of Forest Land for non-forestry use	(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) The status of clear felling of trees in Forest Land	(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.
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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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			
Speci	Specific Conditions				
i ii	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. 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.				
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.			
	A	Empowered committee recommended the plan for			

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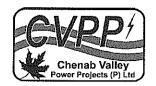
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]		approval of Government, after detailed deliberations,
		in its meeting held on
		27.11.2017. The minutes of
		the meeting were issued
!		vide No.
]		DMRRR/Rehab/24/2017
		dated 28.12.2017.
		GoJK has approved the
		R&R plan of the project
ļ		vide Govt. Order No44-
		DMRR&R of 2018 dated
		03.08.2018. GoJK constituted the
iv	Implementation of R&R plan is to be closely monitored by the	GOOK CONTOURAGE
,,	state Authority and is to be ensured that all Project Allected	Empowered Committee under the Chairmanship of
	Families (PAF's) shall get adequate & timely compensation.	Chief Secretary, GoJK to
		finalize and monitor the
		implementation of R&R
i		plan of Kwar HEP vide G.O.
		No. 1281-GAD of 2017
		dated 09.10.2017.
	A Monitoring Committee for R&R should be constituted	GoJK approved the R&R
V	A Monitoring Committee for R&R should be constituted which shall include representatives of project affected persons	plan of the project vide
	including representative from SC/ST category and a woman	Govt. Order No44-
	beneficiary.	DMRR&R of 2018 dated
	belieficially.	03.08.2018 wherein
		approval has also been
		granted for constitution of Project level committee
		Project level committee under the Chairmanship of
		Deputy Commissioner.
		Committee is yet to be
		constituted.
\	to design the public hearing should be	
vi	All the commitments made during the public hearing should be	man Di mi haa baan
	fulfilled completely by project proportions	prepared by District
	maintained.	Administration while duly
		considering the aspirations
		and demands of loca
	4	people.

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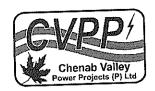


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vii	A minimum environmental flow of 16.49 cumec during lean season (December to March), 74.09 cumec during monsoon season (June to September) and 16.79 cumec during	The R&R Plan shall be implemented, as approved by the GoJK. Shall be complied
	remaining four months (October-November & April-May) shall have to be maintained. On line monitoring system for the eflow 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.	
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 m³ of muck to be generated, 8.13 lakh m³ will be reused in various project components and remaining 30.60 lakh m³ 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.



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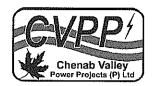
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	Di annot in EMD Penort	Shall be complied.
x	Landscaping & Restoration Plan as proposed in EMP Report, shall be developed. The proposed plan includes Treatment of Borrow Pits and Quarry Sites, Landscaping & Restoration and Greenbelt development. Local indigenous varieties of	Gridin 20 Carry
	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. Solid waste Management Plan as proposed in the EMP report	Shall be complied.
χi	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 purposed.	
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.	Shall be complied. (The matter has been taken up with Forest Department for implementation of Biodiversity Conservation & Management Plan)
	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 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.	

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Lequipments 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 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 81st meeting held of 9th 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. XVII Any other clearances required from any other organization/department should be obtained before commencement of works and commissioning of the project, as applicable. 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. 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. iii Recreational facilities shall be provided to the labourers. Shall be complied. Shall be complied. Shall be complied.						
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vi Restoration of construction area including muck dumping sites Shall be complied.	VI	Restoration of construction area including muck dumping sites	Shall be complied.			
shall be ensured by leveling, filling up of borrow pits,		snall be ensured by leveling, filling up of borrow pits,				

Corporate Office: Jal Shakti Bhawan, Opp. Saraswati Dham, Rail Head Complex, Jammu -180012 (J&K)

Fax: 0191-2475515, 2479835

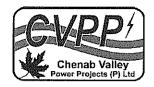


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Kwar HE Project,

	landscaping, etc. The area should be properly treated with plantation.	
vii	monitoring reports shall be submitted to the monitoring reports Schalle be submitted to the monitoring reports Scholle be submitted to the monitoring reports Schalle be submitted to the monitoring reports School be submitted to the monitoring reports School be submitted to the monitoring reports School be	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.
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.
Othe	er Conditions stipulated in EC Letter requiring compliance by C	VPP
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.	
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.	be complied if required.
12.	the right to add additional safeguard	Noted

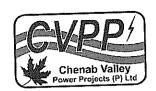


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	measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act, 1986 to ensure effective implementation of the suggested measures in a time bound and satisfactory manner.	
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 Board/Committee and may also be seen at website of MoEF&CC. http://www/moef.nic.in	Complied. Advertisement was published in two news papers viz: 1. Daily Excelsior (English) dated 13.04.2017and 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	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



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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.

No. J-12011/04/2010-IA-1(R) dated 02.05.2019.

1.M(C)