

No. J-12011/4/2010-IA-I
Ministry of Environment, Forest & Climate Change
Government of India
(IA-I Division)

Indira Paryavan Bhavan
3rd Floor, Vayu Wing
Jor Bagh Road
New Delhi - 110 003

Date: 26th August, 2015

To

Shri Naseer Ahmad Dhar

General Manager (Planning)

M/s. Chenab Valley Power Projects Pvt. Ltd.

2nd Floor, JKPCC Building,

Rail Head Complex, Panama Chowk,

Jammu - 180006.

Subject: Kwar HEP (540 MW) in Kishtwar District of Jammu & Kashmir by M/s. Chenab Valley Power Projects Pvt. Ltd- for TOR - regarding

Sir,

This is with reference to your letter no. CVPP/GM/P&I/2015/1422 dated 08.06.2015 on the above-mentioned subject and Scoping Clearance earlier issued vide letter no. J-12011/4/2010-IA-I dated 17.03.2010.

2. Kwar HEP (520 MW) was granted scoping/TOR clearance for by MoEF&CC on 17.03.2010 in favour of NHPC. The project has been transferred to Chenab Valley Power Projects Pvt. Ltd. The project envisages construction of a 109 m high concrete gravity dam across river Chenab near village Padyarna in Kishtwar District of Jammu & Kashmir to generate 520 MW of hydropower. This is run-of-the river scheme. The catchment area of the project is 10325 Sq.km. An underground powerhouse is proposed on right bank with 4 units of 130 MW each.


3. The EIA studies have been undertaken as per the approved TOR. Based on water availability series during preparation of DPR, installed capacity of the project increased from 520 MW to 560 MW for which DPR was prepared and submitted to CEA/CWC. Draft EIA/EMP reports prepared for 560 MW installed capacity. The Public Hearing was conducted on 28.10.2013 and the final EIA and EMP reports were submitted to MoEF & CC on 15.3.2014 for environmental clearance.

4. The project was earlier appraised Expert Appraisal Committee (EAC) for River Valley and Hydro Electric Power Projects (RV&HEP) in 74th meeting of EAC held on 5-6th May 2014. The EAC observed that Scoping Clearance was accorded on 17.3.2010 and was valid till 16.03.2014. Public Hearing and submission of final report for appraisal was done within the validity of scoping clearance. Installed Capacity of project was enhanced from 520 MW (at the time of Scoping Clearance) to 560 MW for which draft EIA/EMP reports were prepared, Public Hearing conducted and final report submitted to MoEF for appraisal. Revised scoping clearance for change in installed capacity was not obtained. The EAC recommended that scientific studies for determination of environmental flows to be conducted by the proponent and to apply for fresh scoping clearance for revised capacity of 560 MW.

5. The said revised proposal was examined by the Expert Appraisal Committee (EAC) for River Valley and Hydro Electric Power Projects (RV&HEP) in its 85th meeting held on 20-21st July, 2015. The comments and observations of EAC may be seen in the minutes of the meeting which are available on the web-site of this Ministry.
6. It is noted that the optimized capacity of project as approved by CEA/CWC is 540 MW. The project envisages construction of a 109 m high concrete gravity dam across river Chenab near village Padyarna to generate 540 MW of hydropower. This is run-of-the river scheme. The catchment area of the project is 10325 sq.km. The total land requirement for the project has been assessed as 138.21 ha comprising of forest/government/private land. An underground powerhouse is proposed on right bank with 4 units of 135 MW each. The project is estimated to cost around Rs. 4375.50 Crores and proposed to be completed in 54 months.
7. Based on recommendations of the EAC, the Ministry of Environment, Forests & Climate Change hereby accords clearance for pre-construction activities at the proposed site as per the provisions of the Environmental Impact Assessment Notification, 2006 and subsequent amendment, 2009 for preparation & updation of EIA/EMP report. While preparing EIA/EMP report prevailing norms shall be strictly followed with respect to environmental flows and muck disposal sites & management and other relevant aspects.
8. The project has got scoping clearance in 2010 without any stipulation of free flow stretch/environment flow and project's limitation under Indus Water Treaty (IWT), project can proceed with same parameters and available free flow stretch. However environment flow provisions as recommended needs to be implemented.
9. Environment flow provisions should be in line with the findings of the detailed scientific study for peak flow period and other months, however, for lean flow period 20% of average lean season flow should be released. Therefore, final environment flow provisions to be made in the project are 16.49 cumec for lean flow period (December–March), 74.09 cumec for peak flow period (June–September) and 16.79 cumec for remaining four months (Oct, November, April & May). Ministry may however, take an appropriate view on lean season environmental flow as the river comes under IWT.
10. In case, some changes are envisaged in the installed capacity due to recommended environmental flow provision for lean flow period, project proponent shall have to intimate the ministry about the change in installed capacity, if any, however, the terms of reference for conducting EIA studies shall remain the same for the capacity, so updated.
11. The final capacity approved by CEA is 540 MW. Therefore, the TOR is for 540 MW capacity only for updating EIA/EMP report. The baseline data already collect may be used for updating EIA/EMP study. As such, a fresh Public hearing may not be needed in the present case.
12. The Consultant engaged for preparation of EIA/EMP report has to be registered with Quality Council of India (QCI)/NABET under the scheme of Accreditation & Registration of MoEF & CC. This is a pre-requisite.
13. Consultants shall include a "Certificate" in EIA/EMP report regarding portion of EIA/EMP prepared by them and data provided by other organization(s)/ laboratories including status of approval of such laboratories.
14. The TOR will remain valid for a period of 2 years from the date of issue of this letter for submission of EIA/EMP report to the Ministry.


15. Non-compliance of the conditions may lead to withdrawal of the TOR.
16. This has approval of the Competent Authority.

Yours faithfully,


(B.B. Barman)
Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi -1.
2. The Secretary, Ministry of Water Resources, RD & GR, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110001.
3. The Secretary, Department of Power, Government of Jammu and Kashmir, Civil Secretariat, Srinagar, Jammu & Kashmir
4. The Secretary, Department of Forest, Environment & Wildlife Management, Government of Jammu and Kashmir, Civil Secretariat, Srinagar, Jammu & Kashmir.
5. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhawan, R. K. Puram, New Delh-110066.
6. Member Secretary, Jammu and Kashmir State Pollution Control Board, Gladini, Narwal, Jammu, Jammu & Kashmir
7. EI-Division, Ministry of Environment, Forest & Climate Change, New Delhi-110003.
8. PS to JS (BS)/Director (B.B. Barman)/PVS Rao (Sci. C).
9. NIC Cell -uploading in MOEF's website.
10. Guard File.


(B. B. Barman)
Director