

**No. J-12011/14/2018 – IA-I(R)**  
Government of India  
Ministry of Environment, Forest & Climate Change  
[IA. I - Division]

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

**Dated: 29<sup>th</sup> March 2019**

To  
The Executive Director (Env.&DM)  
NHPC Ltd  
Faridabad, Haryana

**Sub: Construction of Head Regulator and Indo-Nepal Link Canal at village Sailanigoth, Tanakpur, Distt. Champawat, Uttarakhand by M/s NHPC Ltd. – Regarding amendment in Environment Clearance.**

Ref: i) NHPC letter No. NH/Env. & DM/30.122/3143 dated 18.05.2018  
ii) NHPC letter No. NH/Env. & DM/30.122/208 dated 06.06.2018

Sir,

This has reference to the proposal submitted online on 02.05.2018 for grant of ToR, the proposal was put up in the Expert Appraisal Committee (EAC) meeting held on 28.05.2018, wherein EAC noted that the proposed activity has neither cultural command area nor hydroelectric power component. Accordingly, it would not require prior Environmental Clearance as per the EIA Notification 2006 and its subsequent amendments. However, as the EC for the Tanakpur Project had been accorded on 20.01.1983, an amendment to the existing EC may be applied.

2. Subsequently, NHPC Ltd submitted the fresh proposal online on 08.06.2018 for amendment in already accorded EC with inclusion of construction of Head regulator and Indo-Nepal Link Canal.

3. EAC noted that as per the Mahakali treaty, a bilateral agreement between Nepal & India which was entered in 1996, Govt. of India is obligated to supply 70 MU per annum of energy generated from Tanakpur Power Station to Nepal and to construct a Head Regulator near the left under-sluice of the Tanakpur Barrage and also the waterways of the required capacity up to Nepal-India Border for supplying 28.35 Cumecs of water in wet and 8.5 Cumecs in dry season to Nepal.

4. The present proposal envisages construction of head regulator (35 m length) consists of two bays of 4.0 m width, with crest at EL 244.25 m and a pier of 1.5 m thickness and Indo-Nepal

link canal (1144.50 m length) on the left bank of Mahakali River (Sharda river). The irrigation canal is R.C.C lined and a cross drainage of 23.0 m width has been proposed at RD 941.1 m to RD 966.6 m to pass flood water from the existing nallah crossing the canal alignment Tanakpur Barrage will transport water 28.35 cumecs (1000 cusecs) and 8.5 cumecs (300 cusecs) during wet and dry seasons respectively to Nepal for irrigation purpose. The command area for which water is supplied is in Nepal. The water is to be supplied to Nepal as per the Mahakali Treaty, a bilateral agreement between Nepal and India which was entered in 1996. Total land requirement is about 12 ha (Forest land). Total cost of the project is about Rs. 80 Crores and proposed to be completed in 18 months.

5. The proposal was put up in the 15<sup>th</sup> Expert Appraisal Committee (EAC) meeting held on 28.06.2018. The EAC after detailed deliberations, recommended for **grant of amendment in Environmental Clearance (EC)** to the earlier EC dated 20.01.1983 to the project subject to submission of Stage-I Forest Clearance.

6. Forest land required for the construction of Tanakpur Link Canal project is only 12ha. The clearance for the diversion of 12.00 ha of forest land has been accorded vide MoEF & CC, Regional office letter No. 08 B/ UCP/02/90/2018/FC/1939, dated 14/12/2018.


7. Based on the Expert Appraisal Committee recommendations in its meeting held on 28.05.2018 and 28.06.2018, the Ministry of Environment, Forest & Climate Change hereby accords amendment in Environmental Clearance as per the provisions of Environment Impact Notification, 2006 and its subsequent amendment for the construction of Head Regulator and Indo-Nepal Link Canal with the specifications as mentioned in Para 4.0 above, subject to compliance of following conditions:

#### **Part A: Specific Conditions**

- i) The project proponent should take necessary steps to remove scars of construction by levelling and landscaping etc. Necessary soil conservation measures should be taken during construction of canal.
- ii) Necessary consolidation and compaction of the earth for formation of embankment and refilling purpose should be strictly adhered.
- iii) Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded.
- iv) Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards. Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.

- v) The equipment likely to generate high noise levels during the construction period or otherwise shall meet the ambient noise level standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986. Ambient Noise level monitoring shall be conducted on a monthly basis during the period of construction at suitable locations and copy of the test reports to be submitted to Regional Office, MoEF& CC, Dehradun on six monthly basis.
- vi) The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- vii) Muck disposal be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly. Sufficient funds are to be allocated for this purpose in the budget.
- viii) Solid waste management, if any should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.
- ix) Peripheral Plantation of different plant species and grassing of the slop of embankment should be undertaken at alongside of the canal in consultation with State Forest Department.
- x) Compensatory afforestation programme shall be implemented as per the plan approved.
- xi) PP shall procure/extract construction material only from those Pvt. agencies/corporations/etc. that are having all applicable legal/statutory clearances (EC, FC, NBWL etc.).
- xii) Any other clearance from any other organization/ department, if required shall be obtained.

#### **Part-B: General Conditions**

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- i) Adequate arrangements for providing free fuel like LPG shall be made at the project cost for the labour engaged in the construction work so that indiscriminate felling of trees is prevented.
  - ii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  - iii) Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases.

- iv) The labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit.
- v) Restoration of construction area including dumping sites of excavated materials shall be ensured by levelling, filling up of borrows pits, landscaping etc. The area should be properly treated with suitable plantation.
- vi) Acquisition of private land and displacement of families is involved, if any, then the R & R to be followed as per the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013
- vii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- viii) Environmental parameters shall be monitored and six monthly monitoring reports shall be submitted to the concerned Regional Office of the Ministry, Dehradun.

8. The Project Proponent shall provide full cooperation and all required documents /data to the Officials from concerned Regional Office of the Ministry, Dehradun who would be monitoring the implementation of environmental safeguards.

9. The responsibility of implementation of environmental safeguards and carrying out environmental monitoring rests fully with the NHPC Ltd and Government of Uttarakhand.

10. Besides the above stated conditions, the Project Proponent shall also implement all requisite environmental safeguards. The Regional Office, MoEF& CC, Dehradun shall monitor implementation of environmental safeguards at regular intervals.

11. In case of change in the scope of the project, the same shall be intimated to the Ministry and fresh approval, if required, shall be taken from the Ministry.

12. The 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 safeguard 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 commissioning of the project.

14. The present modified proposal is additional of earlier Tanakpur Hydroelectric Project for which Environment Clearance was already granted.

15. A copy of the 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.



16. State Pollution Control Board Committee shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's / Tehsildar's Office for 30 days.

17. 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 clearance letters are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment, Forest & Climate Change at <http://www.moef.nic.in>.

18. After 5 years of the commissioning of the Project, a study shall be undertaken regarding impact of the project on the environment and downstream ecology. The study shall be undertaken by an independent agency, decided in consultation with the Ministry.

19. The Project proponent shall also submit six monthly reports on the status of compliance of stipulated EC conditions including the results of monthly monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF&CC.

20. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days from the date of issue, as prescribed under Section-16 of the National Green Tribunal Act, 2010.

Yours faithfully,

  
(Dr. S. Kerketta)  
Director

**Copy to:**

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi -110 001.
2. The Secretary, Ministry of Water Resources, RD&GR, Shram Shakti Bhawan, Rafi Marg, New Delhi – 110001.
3. The Principal Secretary (Irrigation & Power), Government of Uttarakhand, Dehradun -248 006.
4. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhawan, R. K. Puram, New Delhi - 110 066.
5. The Addl. Principal Chief Conservator of Forests (Central), Ministry of Environment, Forest and Climate Change, Regional Office (NCZ), Pearson Road, P.O. New Forest, Forest Research Institute (FRI) campus, Dehradun - 248006.
6. PPS to JS (GM).
7. The Member Secretary, Uttarakhand Environment Protection & Pollution Control Board, Paryavaran Bhawan, E-115, Nehru Colony, Dehradun.
8. Guard File.

  
(Dr. S. Kerketta)  
Director

