



File No: J-12011/08/2021-IA.I(R)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 10/03/2025



To,

Mr. Sanjay Darbari
M/s. NHPC LIMITED
NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD, HARYANA NHPC OFFICE COMPLEX,
SECTOR-33, FARIDABAD, HARYANA, SECTOR - 33, 121003
envdivnhpc@gmail.com

Subject: Uri-I Stage-II Hydroelectric project of 240 MW as Run of River scheme in an area of 102 ha in Sub District Uri, Boniyar, Kreeri, Baramulla and Rafiabad, District of Baramulla (Jammu and Kashmir) by M/s NHPC Limited – Environmental Clearances - Reg.

Sir/Madam,

This refers to your online application No. IA/JK/RIV/463699/2024, submitted on 30/07/2024 to this Ministry for the grant of Environmental Clearance (EC) under the provisions of the EIA Notification, 2006, and its subsequent amendments. The application pertains to the 240 MW Uri-I Stage-II Hydroelectric Project, proposed as a Run-of-River scheme over an area of 102 ha, covering Sub-Districts Uri, Boniyar, Kreeri, Baramulla, and Rafiabad in Baramulla District, Jammu and Kashmir. The project is being undertaken by M/s NHPC Limited.

2. The particulars of the proposal are as below :

| | |
|--|---|
| (i) EC Identification No. | EC24A0501JK5394531N |
| (ii) File No. | J-12011/08/2021-IA.I(R) |
| (iii) Clearance Type | Fresh EC |
| (iv) Category | A |
| (v) Project/Activity Included Schedule No. | 1(c) River Valley/Irrigation projects |
| (vi) Sector | River Valley and Hydroelectric Projects |
| (vii) Name of Project | Uri-I Stage-II Hydroelectric Project (240 MW) |
| (viii) Name of Company/Organization | NHPC LIMITED |
| (ix) Location of Project (District, State) | BARAMULLA, JAMMU AND KASHMIR |
| (x) Issuing Authority | MoEF&CC |
| (xi) Applicability of General Conditions as per EIA Notification, 2006 | No |

3. In view of the particulars provided in Para 1 above, the project proposal, including Form-1 (Parts A, B, and C), along with the EIA and EMP Reports, was submitted to the Ministry of Environment, Forest and Climate Change (MoEF&CC) for appraisal by the Expert Appraisal Committee (EAC) under the provisions of the EIA Notification 2006 and its subsequent amendments.

4. The proposal seeks Environmental Clearance for the Uri-I Stage-II Hydroelectric Project (240 MW). The project is designed as a Run-of-River scheme spanning 102 ha and covering Sub-Districts Uri, Boniyar, Kreeri, Baramulla, and Rafiabad in Baramulla District, Jammu and Kashmir. The project is being developed by M/s NHPC Limited.

5. The Expert Appraisal Committee (EAC) after examining the information submitted and detailed deliberations recommended the proposal for grant of prior Environmental Clearance by the Ministry to Uri-I Stage-II Hydroelectric project of 240 MW as Run of River scheme in an area of 102 ha in Sub District Uri, Boniyar, Kreeri, Baramulla and Rafiabad, District of Baramulla (Jammu and Kashmir) by M/s NHPC Limited, under the provisions of EIA Notification, 2006, as amended subject to compliance of applicable Standard EC conditions with the certain specific environmental safeguard conditions (Annexure I).

6. The details of the project as per the information submitted by the Project Proponent are enclosed as Annexure (II)

7. The Ministry has examined the proposal in accordance with the provisions of the EIA Notification, 2006, and its subsequent amendments. Based on the recommendations of the Expert Appraisal Committee, Environmental Clearance is hereby granted for the Uri-I Stage-II Hydroelectric Project (240 MW) as a Run-of-River scheme over an area of 102 ha, covering Sub-Districts Uri, Boniyar, Kreeri, Baramulla, and Rafiabad in Baramulla District, Jammu and Kashmir. The clearance is subject to strict compliance with the specific conditions prescribed for this project, in addition to the Standard EC conditions as applicable (Annexure I).

8. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006, as amended. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

10. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

11. The Project Proponent is obligated to implement all commitments made in the Environmental Management Plan (EMP), which forms an integral part of this Environmental Clearance (EC).

12. The validity of the Environmental Clearance (EC) extends up to 13 years to the start of production operations or the commissioning of the project. The EC's validity becomes perpetual if production operations commence on or before the specified date. Should the Project Proponent fail to initiate production operations within the EC validity period, an application for an extension must be submitted to the regulatory authority, in accordance with Para 9.0 of the EIA Notification, 2006, as amended.

13. General Instructions:

(a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

(b) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the

same for 30 days from the date of receipt.

(c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

(d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during perational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(f) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(g) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(h) PP needs to comply the OM dated 24.07.2024 of MoEFCC, where it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign " EK Ped Ma ke Naam" (एक पेड़ माँ के नाम) (and the details of the same shall be uploaded in the MeriLife portal (<https://merilife.nic.in>)).

14. This issues with the approval of the Competent Authority.

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 - 110 001.
3. Deputy Director General of Forests (C), Integrated Regional Office, Jammu, IWDP Complex, Narwal, Jammu-180010.
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.
5. The Member Secretary, J & K Pollution Control Committee. Email:-membersecretaryjkspcb@gmail.com
6. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
7. Guard File/Record File/Monitoring File/Website of MoEF&CC

Annexure 1

Specific EC Conditions for (River Valley/irrigation Projects)

1. Miscellaneous:

| S. No | EC Conditions |
|-------|--|
| 1.1 | After 5 years of the commissioning of the project, a study shall be undertaken regarding impact of the project on the environment. The study shall be undertaken by an independent agency. |
| 1.2 | Bio-Gas plant shall be installed in the Project affected area for Utilizing Cattle waste (Cow Dung) |

| S. No | EC Conditions |
|-------|---|
| | into renewable source of fuel. |
| 1.3 | PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. |
| 1.4 | PP shall procure construction material only from those Organizations having all valid legal/statutory clearances/permissions or necessary permission to be obtained for quarrying construction materials for the project as per the EIA Notification, 2006 and as amended thereof. |
| 1.5 | An institutional mechanism to be developed to ensure the preference of jobs to PAFs and also a policy for preferential treatment for award of sundry works to the PAFs and their dependents. |

2. Socio-economic

| S. No | EC Conditions |
|-------|---|
| 2.1 | Land acquired for the project shall be suitably compensated in accordance with the prevailing guidelines of the state government and provisions under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013. |
| 2.2 | Solar panel be provided to the families living in rural areas within 10 km radius of project with annual maintenance. |
| 2.3 | School up to 12 th Standard with smart classes shall be established and managed to provide free quality education for children from project affected villages/Tribal villages. |
| 2.4 | 50 bed multi-speciality hospital shall be established to cater the need of tribal population/locals. The tribal population within 10 km radius of the project shall be given free of cost medical facility. |
| 2.5 | The compliance of above conditions shall be monitored by IRO, MoEF&CC and regularly site visit once in year. The compliance report of IRO shall be regularly submitted to MoEF&CC. |
| 2.6 | Skill development Centre shall be established within 10 km radius of the project and regular training programmes for development and promotion of traditional art/products of tribal/local population. |

3. Disaster Management:

| S. No | EC Conditions |
|-------|--|
| 3.1 | Disposal of the excavated muck and its filling on the low-lying area with proper measures for the stabilization and greenery to minimize the impacts of the generated construction muck shall be taken up pari passu with construction work. |
| 3.2 | Stabilization of muck disposal sites using biological and engineering measures shall be taken up |

| S. No | EC Conditions |
|-------|--|
| | immediately to ensure that muck does not roll down the slopes and does not pollute the natural streams and water bodies in surrounding area. The plantation on muck disposal site with local species for restoration of ecology and environment of the project site area shall be done as per instructions of the Forest Department. |
| 3.3 | Necessary control measures such as water sprinkling arrangements, and construction of paved roads leading to muck disposal sites etc. shall be taken up on priority to arrest fugitive dust at all the construction sites. |
| 3.4 | Solid waste generated, especially plastic waste, etc. should not be disposed of as landfill material. It should be treated with scientific approach and recycled. Use of single-use plastics may be discouraged. |

4. Environmental Management And Biodiversity Conservation:

| S. No | EC Conditions |
|-------|---|
| 4.1 | The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP reports and as amended by the EAC. The total amount to be earmarked under Catchment Area Treatment (CAT) Plan would be 1,346.05 lakh and for the Biodiversity Conservation & Wildlife Management Plan the total amount would be 186 lakh bringing the total EMP budget to 3,052.7 lakh. The budgetary provisions for implementation of EMP, shall be fully utilized and not to be diverted to any other purpose. In case of revision of the project cost or due to price level change, the cost of EMP shall also be updated proportionately.” |
| 4.2 | The contract clause limiting the No. of vehicles used during excavation and transportation shall followed scrupulously and the same shall informed to the ministry. |
| 4.3 | Ambient Air Quality Monitoring Stations for real time data to be installed at project site before commencement of the construction, shall be displayed at project site and its report to be submitted to IRO, MoEF&CC. |
| 4.4 | No vehicle purchase shall be allowed from funds earmarked for implementation of Wildlife Conservation plan. Measures for minimizing the human–animal conflict specially for black bear and leopard be suitably incorporated in the wildlife conservation plan in consultation with State Forest Department. |
| 4.5 | Plantation of saplings shall be carried out as a part of the tree plantation campaign "Ek Ped Ma Ke Naam" and the details of the same shall be uploaded in the MeriLiFE Portal (https://merilife.nic.in). |

Standard EC Conditions for (River Valley/Irrigation projects)

1. Statutory Compliance

| S. No | EC Conditions |
|-------|--|
| 1.1 | The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. |

| S. No | EC Conditions |
|-------|---|
| 1.2 | The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. |
| 1.3 | The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area). |
| 1.4 | The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee. |
| 1.5 | NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC. |
| 1.6 | Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores. |

2. Air Quality Monitoring And Preservation

| S. No | EC Conditions |
|-------|--|
| 2.1 | 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. This shall be used as a baseline data for post construction EIA / Monitoring purposes. |
| 2.2 | 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. |
| 2.3 | Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites. |
| 2.4 | Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with natural drainage system (if applicable). |
| 2.5 | Remodelling of existing natural drains (link drains) and connecting them with irrigated land through constructed field drains, collector drains, etc. are to be ensured on priority basis (if applicable). |
| 2.6 | Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam. |
| 2.7 | As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project. |

| S. No | EC Conditions |
|-------|--|
| 2.8 | Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet be submitted to the Regional Office, MoEF & CC and to the CWC on weekly basis. |
| 2.9 | Mixed irrigation shall be practised and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective (if applicable). |
| 2.10 | On Farm Development (OFD) works like landscaping, land levelling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report (if applicable). |

3. Noise Monitoring And Prevention

| S. No | EC Conditions |
|-------|--|
| 3.1 | All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as 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. |
| 3.2 | 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. |

4. Catchment Area Treatment Plan

| S. No | EC Conditions |
|-------|---|
| 4.1 | Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project. |

5. Waste Management

| S. No | EC Conditions |
|-------|--|
| 5.1 | 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. |
| 5.2 | Solid waste management 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. |

6. Green Belt And Wildlife Management

| S. No | EC Conditions |
|-------|---|
| 6.1 | Based on the recommendation of Cumulative Impact Assessment and Carrying capacity study of river basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow. |
| 6.2 | Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly. |
| 6.3 | Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department. |
| 6.4 | To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department. |
| 6.5 | Compensatory afforestation programme shall be implemented as per the plan approved. |
| 6.6 | Fish ladder/pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure its effectiveness. |

7. Public Hearing And Human Health Issues

| S. No | EC Conditions |
|-------|---|
| 7.1 | Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt. |
| 7.2 | Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto. |
| 7.3 | 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. |
| 7.4 | 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. |
| 7.5 | Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites. |

8. Risk Mitigation And Disaster Management

| S. No | EC Conditions |
|-------|---|
| 8.1 | Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast. |
| 8.2 | Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities. |
| 8.3 | Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan. |
| 8.4 | Stabilization of muck disposal sites using biological and engineering measures shall be taken up to ensure that muck does not roll down the slopes and shall be disposed safely and that it does not pollute the natural streams and water bodies in surrounding area. The engineering measures for the muck disposal arrangements be evolved after carrying out required slope stability analysis. |
| 8.5 | Catchment area treatment plan shall be prepared and sufficient fund shall be provided for afforestation, rim plantation, pasture development, nursery development. |

9. Corporate Environment Responsibility

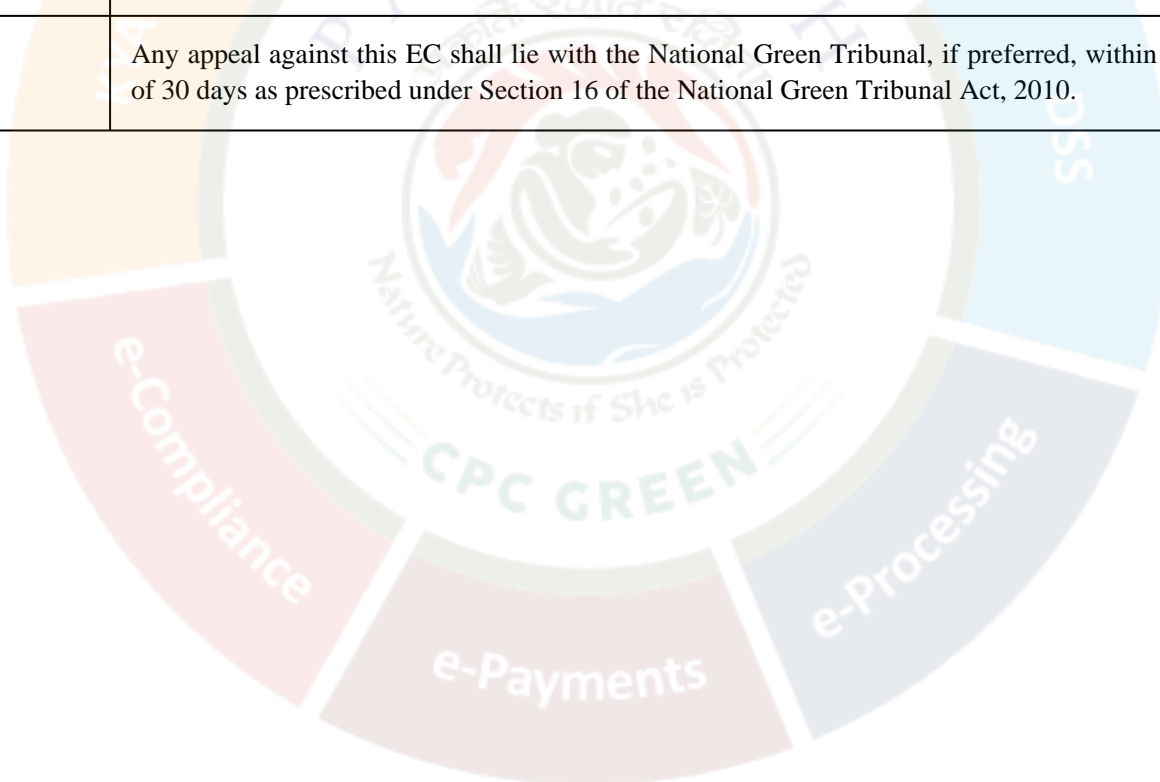
| S. No | EC Conditions |
|-------|---|
| 9.1 | The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30th September, 2020, as applicable, regarding Corporate Environment Responsibility. |
| 9.2 | Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation |
| 9.3 | The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation/violation of the environmental / forest / wildlife norms/conditions and / or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report. |
| 9.4 | A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization. |
| 9.5 | Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report. |
| 9.6 | Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project. |

| S. No | EC Conditions |
|-------|---|
| 9.7 | Multi Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report the Committee shall be uploaded in the website of the Company. |
| 9.8 | Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes |

10. Miscellaneous

| S. No | EC Conditions |
|-------|---|
| 10.1 | The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently. |
| 10.2 | The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. |
| 10.3 | 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. |
| 10.4 | The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal. |
| 10.5 | The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company. |
| 10.6 | The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project. |
| 10.7 | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. |
| 10.8 | The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee. |
| 10.9 | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC). |
| 10.10 | Concealing factual data or submission of false/fabricated data may result in revocation of this |

| S. No | EC Conditions |
|-------|---|
| | environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986. |
| 10.11 | The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. |
| 10.12 | The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. |
| 10.13 | The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports. |
| 10.14 | The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter. |
| 10.15 | Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010. |



Uri-I Stage-II Hydroelectric project of 240 MW as Run of River scheme in an area of 102 ha in Sub District Uri, Boniyar, Kreeri, Baramulla and Rafiabad, District of Baramulla (Jammu and Kashmir) by M/s NHPC Limited.

The salient features of the project: -

The Project Proponent and the accredited Consultant M/s. R S Envirolink Technologies Pvt. Ltd., made detailed presentation on the salient features of the project and informed that:

- i. The proposed Uri-I Stage-II HEP is planned as per provision kept in the DPR of Uri-I Power Station. NHPC Ltd. has signed Memorandum of Understanding (MoU) with Government of Jammu Kashmir for execution of Uri-I Stage-II HE Project (240 MW) on Build, Own, Operate & Transfer (BOOT) basis for the period of 40 years
- ii. The project proposal was considered by the Expert Appraisal Committee (River Valley and Hydropower Projects) in its 10th meeting held on 15.04.2021 and recommended for grant of Terms of Reference (ToRs) for the project. The ToR has been issued by Ministry vide letter No. J- 12011/08/2021-IA.I (R); dated 10.06.2021.
- iii. Uri-I Stage-II HEP (240 MW) is an extension of Uri-I Stage-I (480 MW), located on river Jhelum in Baramulla district of UT of Jammu and Kashmir. The Environmental Clearance for Uri-I HEP (480 MW) was accorded by Department of Science and Technology (DST), Govt. of India, in favour of Central Electricity Authority (CEA) on 27.06.1980. The Forest Clearance for diversion of 54.70 ha forest land was accorded by Ministry of Environment & Forest on 21st May 1986. Uri-I Stage-I was commissioned in 1997 by NHPC Ltd. - 21.5 m high barrage, 10.63 km long HRT, an underground powerhouse 480 MW installed capacity, & 02 km long Tail Race Tunnel (TRT).
- iv. The existing structures of Uri-I Power Station like barrage, the surface water conveyance system consisting of Head regulator upto HRT intake of Uri-I Power Station shall be utilized for Uri-I Stage-II HEP. The construction of underground structures like 10.472 km long HRT, surge shaft, pressure shaft, an underground powerhouse complex and 2.28 km long TRT are proposed for Uri-I Stage-II Project. Uri-I Stage-II HE Project shall utilize diverted (additional) waters available after electricity generation from Kishanganga Power Station located near Bandipore in Kashmir Valley. Jhelum river flows through Wular lake and drains additional water coming from Kishanganga HEP and therefore additional water is available

for Uri I Stage II. Kishanganga Power Station was commissioned by NHPC in the month of May-2018. Kishanganga Power Station is a run of the river scheme which involves transfer of water of Kishanganga River in Gurez valley to Bonar nallah, which is tributary of Jhelum River in Kashmir valley.

- v. The geographical co-ordinate of the project are Barrage Site: $74^{\circ}11'00''\text{E}$; $34^{\circ}08'00''\text{N}$; Powerhouse : $74^{\circ}03'00''\text{E}$; $34^{\circ}05'00''\text{N}$.
- vi. The Uri I Stage II Hydro Electric Project envisages construction of Head Race Tunnel, Underground Powerhouse and TRT.
- vii. **Land requirement:** The total land requirement for Uri-I Stage-II HEP is estimated as 102.0 ha, out of which, 85.00 ha is non-forest land, and 17.0 ha is forest land (for underground project structures). The proposal for grant of 'in-principle' approval for the diversion of 17.00 hectares of forest land for the underground work of the Uri-I Stage II HEP has been recommended during the Advisory Committee (AC) meeting held on 26.12.2024. MoEF&CC has issued letter dated 14/01/2025 according Stage I/In principal approval for diversion 17 ha of forest land.

Therefore, no revenue land (private/ government) is required for the proposed project, no acquisition of private or community assets is required and hence, displacement of the population/ persons is not involved.

viii. **Demographic details in 10 km radius of project area:**

The proposed project falls in the Uri & Boniyar tehsil of Baramulla district of Union Territory of Jammu & Kashmir. In the study area, 91 inhabited villages fall within a 10 km radius of proposed project. The population of the villages in the study area is 139213 with 54.06% males and 45.93% females. The sex ratio was found at 849 females per 1000 males. The total Scheduled Tribes (ST) population is 14.78% of the total population. Literate population constitute about 48 % of the total population of the study area.

Apart from agriculture, horticulture and cattle rearing, livelihood of most of the people of the study area depends on government and private jobs. About 35% of the working population are engaged in agriculture and allied services and 62.64% of the working population are engaged in the services category viz. Trade, commerce, business, Transport, Government and private jobs.

The Educational facility in the area is good up to secondary school level. Senior secondary schools and colleges are located within 20.0 km distance from villages. The most important road passes through the area are National Highway 1A (Baramulla to Uri).

Transportation facilities are good in the area, all the village roads are well connected to highway through metaled roads.

Basic medical facilities are good in the surveyed villages Primary health centres cater the basic medical facilities in the area. In addition to these NHPC Hospital at Gingal also provides basic medical facilities to the villagers. There is a one Pvt. Hospital at Buniyar. The District Hospital and Medical College at district headquarter Baramulla is the only government hospital serving as referral center for complicated cases in the district.

Spring water and piped public water supply are the main sources of drinking water in the area. The majority of the surveyed villages have irrigated land. A network of canals and springs are the main source of irrigation.

- ix. **Water requirement:** 453 Cumecs (design discharge)
- x. **Project Cost:** The estimated project cost is Rs 2167.61 crore. Total capital cost earmarked towards Environment Management Plan/environmental pollution control measures is Rs. 3010.70 lakh and the Recurring cost (operation and maintenance) will be about Rs. 2819.91 lakh about i.e. Rs 402.84 lakh per annum.
- xi. **Project Benefit:** Total Employment will be 500 persons as direct & persons indirect after expansion. Industry proposes to allocate Rs. 1038.80 Lakh towards CER (as per Ministry's OM dated 30th Sep 2020).
- xii. **Environmental Sensitive area:** Kazinag National Park, Lachipora Wildlife Sanctuary and Limber Wildlife Sanctuary are the nearest protected areas from Uri-I Stage-II HE Project. All the project components are outside the notified ESZ of the protected areas. In this regard; Office of the Pr. Chief Conservator of Forests (Wildlife)/Chief Wildlife Warden, Govt. of J&K has issued a letter No. WLP/Tech/2024-25/134-36 dated 14.05.2024 conveying that the proposed project components fall outside the boundaries of Kazinag National Park, Limber and Lachipora Wildlife Sanctuaries, also outside the notified limits of the Eco-sensitive Zone around these Wildlife Areas. Uri-I Stage-II HE Project is run of the river project and is proposed on Jhelum River.
- xiii. MoU signed with the State Government on 24-12-2020 MoU no. IN-JK00767002578097S.
- xiv. **Resettlement and Rehabilitation:** At present 85.00 ha of non-forest land required for the proposed project is in possession of NHPC Ltd. No revenue land (private/ government) is required for the proposed project, no acquisition of private or community assets is required and hence, displacement of the population/ persons is not involved. Therefore, requirement

of preparation of Resettlement & Rehabilitation Plan is not envisaged in the present case.

- xv. **Scheduled – I species:** As per Wildlife Protection Amendment Act, 2022, Common Leopard (*Panthera pardus*), Himalayan Musk Deer (*Moschus leucogaster*), Himalayan Goral (*Naemorhedus goral*), Jungle Cat (*Felis chaus*), Leopard Cat (*Prionailurus bengalensis*), Grey mongoose (*Herpestes edwardsii*), Small Indian mongoose (*Herpestes auropunctatus*), Golden Jackal (*Canis aureus*), Red Fox (*Vulpes vulpes*), Bengal Fox (*Vulpes bengalensis*), Cuon alpinus (Wild Dog), Asiatic Black Bear (*Ursus thibetanus*), Himalayan Weasel (*Mustela sibirica*), Common Otter (*Lutra lutra*), Red Giant Flying Squirrel (*Petaurista petaurista*) and Indian Crested Porcupine (*Hystrix indica*) are the mammalian species and Crested-serpent eagle (*Spilornis cheela*) is listed as Schedule I species.
- xvi. **Alternative Studies:** Diversion structure of URI-I Power station i.e. Barrage, Head regulator, desilting basin, power channel, Surplus escape, Boniyar Intake structure, Boniyar nala culvert structure and Power intake structures which is already constructed and are utilized for Uri-I Stage II H.E. Project, hence no Alternative study for diversion structure is required for URI-I Stage-II H.E. Project.
- xvii. **Baseline Environmental Scenario:**

| Period | From September 2021 To May 2022 | | | | |
|---|---|-----------------------------------|----------------------------|--|-------------------|
| AAQ parameters at 06 locations (min. &Max.) | Unit in $\mu\text{g}/\text{m}^3$ | | | | |
| | Core | Min | Max | | Standards |
| | PM 2.5 | 21.77 | 24.22 | | 60 |
| | PM 10 | 55.92 | 60.92 | | 100 |
| | SO2 | 6.92 | 7.88 | | 80 |
| | NO2 | 9.72 | 10.82 | | 80 |
| | Buffer | Min | Max | | |
| | PM 2.5 | 20.60 | 23.67 | | 60 |
| | PM 10 | 53.94 | 59.42 | | 100 |
| | SO2 | 7.67 | 8.70 | | 80 |
| | NO2 | 9.23 | 10.43 | | 80 |
| Incremental GLC Level | | | | | |
| | Criteria Pollutant [PM10, PM2.5, SO2, NO _x , Other parameters specific to the sector (Please | Unit [$\mu\text{g}/\text{m}^3$] | Baseline Concentration [A] | Predicted incremental value considering worst case stability class [B] | Total GLC [A]+[B] |

| | | | | | |
|---------------------------------|--------------------|--|------------|------------|------------------|
| | specify)] | | | | |
| | | | | | |
| | PM10 | µg/m ³ | 23.0 | 20 | 43.0 |
| | PM2.5 | µg/m ³ | 58.4 | 10 | 68.4 |
| | SOx | µg/m ³ | 7.4 | 4 | 11.4 |
| | NOx | µg/m ³ | 10.3 | 5 | 15.3 |
| | | | | | |
| River water samples(05 samples) | Core Zone | | | | |
| | S. No | Parameters | Min | Max | Standards |
| | 1 | pH | 6.59 | 8.06 | 8.5 |
| | 2 | Total Dissolved Solids, mg/L | 89.7 | 156 | 500 |
| | 3 | Dissolved Oxygen (mg/l) | 7.72 | 10.2 | 3 |
| | 4 | Chloride (as Cl), mg/L | 7.8 | 14.3 | 0 |
| | 5 | Total Hardness (as CaCO ₃), mg/L | 60.78 | 88.53 | |
| | 6 | Biological Oxygen Demand (mg/l) | 2 | 2 | 250 |
| | 7 | Chemical Oxygen Demand (mg/l) | 6 | 6 | 500 |
| | 8 | Total Coliform (MPN/100 ml) | 2 | 2 | 300 |
| | Buffer Zone | | | | |
| | S. No | Parameters | Min | Max | Standards |
| | 1 | pH | 7.1 | 7.79 | 8.5 |
| | 2 | Total Dissolved Solids, mg/L | 124 | 163 | 500 |
| | 3 | Dissolved Oxygen (mg/l) | 8.5 | 9.4 | 3 |
| | 4 | Chloride (as Cl), mg/L | 8.4 | 12.4 | 0 |
| | 5 | Total Hardness (as CaCO ₃), mg/L | 91.32 | 96.33 | 6 |
| | 6 | Biological Oxygen Demand (mg/l) | 2 | 2 | 250 |
| | 7 | Chemical Oxygen Demand (mg/l) | 6 | 6 | 500 |
| | 8 | Total Coliform (MPN/100 ml) | 2 | 2 | 300 |

| | | | | | | | | |
|--|-------------|---------------------------------|---------------|-------|-------------------|------|-------------------|-------|
| | | | | | | | | |
| Pond water samples | - | | | | | | | |
| Groundwater samples quality at 1 location | S. No | Parameters | Min | Max | Standards | | | |
| | 1 | pH | 6.59 | 8.06 | 8.5 | | | |
| | 2 | Total Dissolved Solids, mg/L | 89.7 | 156 | 500 | | | |
| | 3 | Dissolved Oxygen (mg/l) | 7.72 | 10.2 | 3 | | | |
| | 4 | Chloride (as Cl), mg/L | 7.8 | 14.3 | 0 | | | |
| | 5 | Total Hardness (as CaCO3), mg/L | 60.78 | 88.53 | | | | |
| | 6 | Biological Oxygen Demand (mg/l) | 2 | 2 | 250 | | | |
| | 7 | Chemical Oxygen Demand (mg/l) | 6 | 6 | 500 | | | |
| | 8 | Total Coliform (MPN/100 ml) | 2 | 2 | 300 | | | |
| Noise levels Leq (Day & Night) at 06 locations | Noise Level | Zone | Leq Day dB(A) | | Leq Night dB(A) | | Prescribed Limits | |
| | | | From | To | From | To | Day | Night |
| | Core | Commercial | 45.2 | 65 | 35.3 | 50.1 | 65 | 55 |
| | Buffer | Commercial | 51.4 | 63.1 | 40.1 | 48.7 | 65 | 55 |
| Soil Quality at 6 Locations | Core Zone | | | | | | | |
| | S. No. | Parameters | Min | Max | Prescribed Limits | | | |
| | 1 | Calcium (mg/kg) | 239 | 290 | 500 | | | |
| | 2 | Sodium Absorption Ratio | 3.4 | 4.1 | 10 | | | |
| | 3 | Phosphorus (kg/ha) | 28 | 35 | 50 | | | |
| | 4 | Carbon (%) | 1.1 | 1.21 | 1 | | | |
| | 5 | Salinity (ppt) | 0 | 0 | 0.01 | | | |
| | 6 | Magnesium (mg/kg) | 50 | 56 | 500 | | | |
| | 7 | Nitrogen (kg/ha) | 180 | 200 | 500 | | | |
| | 8 | Potassium (kg/ha) | 210 | 240 | 500 | | | |
| Buffer Zone | | | | | | | | |

| | | | | |
|--------------------------|-------------------------|--|------|------|
| 1 | Calcium (mg/kg) | 172 | 216 | 500 |
| 2 | Sodium Absorption Ratio | 2.9 | 4.3 | 10 |
| 3 | Phosphorus (kg/ha) | 26 | 44 | 50 |
| 4 | Carbon (%) | 0.69 | 1.11 | 1 |
| 5 | Salinity (ppt) | 0 | 0 | 0.01 |
| 6 | Magnesium (mg/kg) | 38 | 120 | 500 |
| 7 | Nitrogen (kg/ha) | 106 | 260 | 500 |
| 8 | Potassium (kg/ha) | 240 | 410 | 500 |
| Flora & Fauna | | Schedule-I species observed in the study area: As per Wildlife Protection Amendment Act, 2022, Common Leopard (<i>Panthera pardus</i>), Himalayan Musk Deer (<i>Moschus leucogaster</i>), Himalayan Goral (<i>Naemorhedus goral</i>), Jungle Cat (<i>Felis chaus</i>), Leopard Cat (<i>Prionailurus bengalensis</i>), Grey mongoose (<i>Herpestes edwardsii</i>), Small Indian mongoose (<i>Herpestes auropunctatus</i>), Golden Jackal (<i>Canis aureus</i>), Red Fox (<i>Vulpes vulpes</i>), Bengal Fox (<i>Vulpes bengalensis</i>), Cuon alpinus (Wild Dog), Asiatic Black Bear (<i>Ursus thibetanus</i>), Himalayan Weasel (<i>Mustela sibirica</i>), Common Otter (<i>Lutra lutra</i>), Red Giant Flying Squirrel (<i>Petaurista petaurista</i>) and Indian Crested Porcupine (<i>Hystrix indica</i>) are the mammalian species and Crested-serpent eagle (<i>Spilornis cheela</i>) is listed as Schedule I species. | | |

- xviii. Details of Solid waste/ Hazardous waste generation/ Muck and its management:
- For disposal of Municipal Solid Waste generated during construction and operation phase of project Solid Waste Treatment Plant (including organic waste composter at NHPC Uri-Power Station Colony) has been proposed at project site.
 - NHPC Ltd. signed MoU with MSTC Limited regarding collection and disposal of non-degradable waste including e-waste during construction and operational phase of project.
 - For disposal of Bio-medical Waste facilities at NHPC Hospital at Ginagal and District Hospital Baramulla will be utilized.
 - For Disposal of waste oil vendors authorized by State Pollution Control Committee shall be engaged.
 - The pre-identified 04 sites for disposal of muck are under possession of NHPC are located near (<500m) from source. All four sites are more than 30m away from HFL of Jhelum river.
- xix. Public Hearing for the proposed project has been conducted by the State Pollution Control Committee on 21.12.2023. Publications of notice for public hearing were given in state level newspaper "Rising Kashmir" and "Chattan" daily" dated 22.11.2023. The meeting was

chaired by Additional District Magistrate, District Baramulla. The main issues raised and replies by the user agency during the public hearing are:

| Issues/Comments/Observations | Reply by the User Agency |
|---|--|
| Provisions for development of basic infrastructural facilities like facilities like solar streetlight, safe drinking water, bus stops, Improvement of graveyards, drainage in villages, development of public places adjacent to project area and provisions of washroom, provision of Installation of Fire tender at Boniyar and beautification works at Boniyar market. | Facility of safe drinking water shall be taken up under the provisions made under Local Area Development Plan. The implementation of the works shall be taken up with the consultation District Administration. NHPC shall be providing financial assistance to District Administration for purchase of fire tender. |
| Priority of CSR funds to the local area adjacent to project area | The CSR activities involve the development of local area in different sectors viz. Education, Sports, Cultural Activities, Rural Development and Environment, Women Empowerment etc. The provisions under Local Area Development Plan will be made after consultation with the concerned Gram Panchayats and District Administration. |
| Project proponent should make provisions for development and strengthening/upgradation of existing medical by augmenting its machinery and dedicated Power Supply to Public Health Center Boniyar by providing DG Set. | Upgradation of infrastructural facilities in available educational and medical institutes shall be taken up under the provisions made under Local Area Development Plan after consultation with the concerned Gram Panchayats and District Administration. In addition to activities proposed under local area development plan, provision has been kept under Environmental Management Plan for medical camps in the surrounding villages with the help of district health department. |
| Providing free power to local area of Boniyar and Uri. | NHPC is abided to follow the provisions/guidelines of issued by State Government/ Central Government related to free/ subsidized power to project area as well as to state. |

| | |
|---|--|
| <p>The benefits like engagement of workforce, transportation, construction works and hiring of vehicles shall be prioritized for the local workforce.</p> | <p>During the construction phase of the proposed project large number of skilled and unskilled workers shall be engaged in project activities, majority of them will be from the local population/surrounding villages.</p> <p>Employment opportunities shall be provided through the construction company as per eligibility and requirement of Project during the project construction phase.</p> <p>For development of required basic infrastructure facility during construction and maintenance, contracts will be awarded to local villagers through the construction company and priority has been given to locals during hiring of vehicles. An R&R Policy for providing indirect benefits to PAF/locals is also being implemented by NHPC across its projects and the same shall be applicable for Uri-I Stage-II HE Project.</p> |
| <p>Transmission Lines for transmitting the generated power shall be installed carried out in such a manner to minimize land acquisition for towers.</p> | <p>District Administration will take appropriate action to minimize the land acquisition for transmission lines towers.</p> |
| <p>Irrigation facilities shall be restored and revived after successful construction of the project for the affected areas.</p> | <p>A District level committee has been constituted on dated 19.02.2024 for action plan to undertake the irrigation facilities in the area.</p> <p>The implementation of the works shall be taken up with the consultation District Administration.</p> |
| <p>Strengthening of embankments of river Jhelum as per requirement</p> | <p>The reservoir of Uri-I Power Station is under operation since 1997 and no changes are envisaged due to construction of Uri-I Stage-II project.</p> <p>Both banks of the Jhelum River around the existing pondage/ reservoir have also been</p> |

| | |
|---|---|
| | <p>stabilized by rip rap boulder pitching and other protection measures and are well maintained.</p> <p>In addition to ongoing treatment measures taken by Uri-I Power Station, treatment measures for degraded areas with financial provision has been made Catchment Area Treatment Plan.</p> |
| Upgradation and beautification of area and promotion of tourism activities in the project area. | <p>A District level committee has been constituted on dated 19.02.2024 for action plan to undertake the irrigation facilities in the area.</p> <p>The implementation of the works shall be taken up with the consultation District Administration. Provision for the upgradation of religious places and promotion of tourism activities shall be taken up Local Area Development Plan after consultation with the consultation of District Administration.</p> |

xx. The salient features of the project are as under: -

- **EAC Meeting Details:**

| | |
|------------------------------|---|
| EAC meeting/s | 23 rd Meeting |
| Date of Meeting/s | 29.01.2025 |
| Date of earlier EAC meetings | 10 th Meeting (ToR), 15.04.2021 13 th Meeting (EC), 13.08.2024 |

- **Project details:**

| | |
|-------------------------------------|---|
| Name of the Proposal | Uri-I Stage-II Hydroelectric Project (240 MW) |
| Proposal No. | IA/JK/RIV/463699/2024 |
| Location (Including Coordinates) | Uri and Boniyar tehsils of Baramulla district in Union Territory of Jammu & Kashmir Barrage is located at Latitude is 34 ⁰ 08'00" North & Longitude is 74 ⁰ 11'00" East. |

| | |
|--|--|
| | Powerhouse is located at Latitude is 34°05'00" North & Longitude is 74° 03'00" East. |
| Company's Name | NHPC Ltd. |
| CIN no. of Company/user agency | L40101HR1975GOI032564 |
| Accredited Consultant and certificate no. | NABET/EIA/2225/RA 0274 |
| Project location (Coordinates /River/ Reservoir) | Near Village: Boniyar, Jhelum River |
| Inter- state issue involved | Yes |
| Proposed on River/ Reservoir | Jhelum River |
| Type of Hydro-electric project | Run-of-river |
| Seismic zone | IV |

• **Category details:**

| | |
|----------------------------------|--------|
| Category of the project | A |
| Capacity / Cultural command area | 240 MW |
| Attracts the General Conditions | No |
| Additional information (if any) | - |

• **ToR/EC Details:**

| | |
|---|--|
| ToR Proposal No. | IA/JK/RIV/204853/2021 |
| EAC meeting date | 15.04.2021 |
| ToR Letter No. | J-12011/08/2021-IA.I (R) |
| ToR grant Date | 10.06.2021 |
| Cost of project | 2167.61 Cr |
| Total area of Project | 102.0 Ha |
| Height of Dam from River Bed (EL) | 14.5m / 21.5 m (from riverbed level/ deepest |
| Details of submergence area | - |
| District to provide irrigation facility (if applicable) | NA |
| Details of tunnels on upper level & lower level and length of canal (if applicable) | |
| No. of affected Village | None |
| No. of Affected Families | None |
| | Power Generation: |

| | |
|---|--|
| Project Benefits | <p>Uri I Stage II HEP is likely to generate 929.13 MUs in a 90% dependable year</p> <p>Environmental:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Soil Conservation <input type="checkbox"/> Biodiversity Conservation <input type="checkbox"/> Conservation of Riverine Ecology <input type="checkbox"/> Green Energy (The project would replace the carbon emissions to the extent of power generation, which is equivalent to the estimated energy generation of 929.13 MU in 90% dependable year.) <p>Social:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Job Opportunities <input type="checkbox"/> Business Development <input type="checkbox"/> Infrastructure Development |
| R&R details | <p>No private land will be acquired for the proposed project; therefore, no family is affected due to the acquisition of land for the proposed project. Hence, requirement of preparation of Resettlement & Rehabilitation Plan is not envisaged in the present case.</p> |
| Catchment area/ Command area | Catchment Area: 12,570 km ² |
| Types of Waste and quantity of generation during construction/Operation | Municipal Solid Waste- Bio degradable (112.00 Tons), Non degradable (112.00 Tons) |
| Material used for blasting and its composition as per DGMS standards. | <p>Explosives are mainly required for open and underground rock excavation. Explosive Magazine is already available and the said land is in the possession of NHPC. The same Explosive Magazine site was utilized for construction existing Uri I & Uri II Power stations.</p> |

| | |
|--|---|
| E-Flows for the Project | 14.2 cumec release is recommended and adopted as e flow release. The barrage is equipped with a Fish Pass between bay No. 6 and bay No. 7 to release discharge of 2.5 cumec continuously. Balance e flow discharge of 11.7 cumec is provisioned to pass through the Silt excluder gate on a continuous basis. |
| Is Projects earlier studied in Cumulative Impact assessment & Carrying Capacity studies(CIA&CC) for River in which project located. If yes then c) E-flow with TOR/Recommendation by EAC as per CIA&CC study of River Basin. d) If not the E-Flows maintain criteria for sustaining river ecosystem. | No As per Scoping clearance issued by MoEF&CC release of 13.05 cumec discharge is recommended for E-flow. However, as per NGT's order vide OA no- 425/ 2019 for e-flow release, 15% of average lean season (four months i.e., Oct – Jan) flow of Jhelum River at Uri Barrage as per average 10 daily flow series (Database: 1976-77 to 2019-20) is 14.2 cumec . |
| Details on provision of fish pass | Proposed Uri-I Stage-II HEP utilizes existing operational barrage of Uri-I Stage-I Project. The barrage is equipped with a Fish Pass between bay No. 6 and bay No. 7. 2.5 cumec of water is being continuously maintain in the fish ladder which also served as conduit for provision of maintaining partial E-flow. |
| Project benefit including employment details (no of employee) | 500 persons during peak phase of construction period and 120 persons during operational phase |
| Area of Compensatory Afforestation (CA) with tentative no of plantation. | As per forest proposal finalized by DFO Jhelum Valley Forest Division an area 350 kanal has been finalized for Compensatory Afforestation. As per proposal a total of 19300 no. of trees are proposed to be planted under CA scheme. |
| Previous EC details | - |

| | |
|---|---|
| EC Compliance Report by R.O, MOEF&CC | - |
|---|---|

• **Electricity generation capacity:**

| | |
|------------------------------------|---------------------|
| Powerhouse Installed Capacity | 240 MW |
| Generation of Electricity Annually | 929.13 MWH |
| No. of Units | 2 nos. (2 X 120 MW) |

• **Muck Management Details:**

| | |
|--|---|
| No. of proposed disposal area/ (type of land- Forest/Pvt land) | 4 |
| Cross section of proposed muck area, Height of muck with slope. | Attached as Appendix I |
| Distance of muck disposal area (location), from muck generation sources (project area)/River, HFL of proposed muck disposal area. | About 500 m more than 30 m from HFL. |
| Total Muck Disposal Area | 16.90 ha |
| Estimate Muck to be generated | 1158300 Cum |
| Transportation | All 04 pre identifies muck disposal sites are adjacent to proposed construction sites (< 500m). All the proposed sites are already under possession of NHPC Ltd. |
| Monitoring mechanism for Muck Disposal Transportation | All four designated sites for disposal of muck are adjacent to the source. The provisions of Monitoring have been kept under proposed Environmental Monitoring Plan. |

• **Land Area Breakup:**

| | |
|--------------------------------------|--------------------|
| Private land | 85.0 |
| Forest Land | 17.0 (Underground) |
| Submergence area/Reservoir area | None |
| Land required for project components | 102.0 |

• **Presence of Environmentally Sensitive areas in the study area**

| Forest Land/ Protected Area/ Environmental Sensitivity Zone | Yes/No | Details of Certifica |
|--|--------|---|
| Reserve Forest/Protected Forest Land | No | Kazinag National Park, Lachipora |
| National Park | No | Wildlife Sanctuary |
| Wildlife Sanctuary | No | and Limber Wildlife Sanctuary are the nearest protected areas from Uri-I Stage-II HE Project. All the project components are outside the notified ESZ of the protected areas. |
| Archaeological sites monuments/historical temples etc | No | |
| Additional information (if any) | - | |

- **Availability of Schedule-I species in study area:** Yes, As per Wildlife Protection Amendment Act, 2022, Common Leopard (*Panthera pardus*), Himalayan Musk Deer (*Moschus leucogaster*), Himalayan Goral (*Naemorhedus goral*), Jungle Cat (*Felis chaus*), Leopard Cat (*Prionailurus bengalensis*), Grey mongoose (*Herpestes edwardsii*), Small Indian mongoose (*Herpestes auropunctatus*), Golden Jackal (*Canis aureus*), Red Fox (*Vulpes vulpes*), Bengal Fox (*Vulpes bengalensis*), *Cuon alpinus* (Wild Dog), Asiatic Black Bear (*Ursus thibetanus*), Himalayan Weasel (*Mustela sibirica*), Common Otter (*Lutra lutra*), Red Giant Flying Squirrel (*Petaurista petaurista*) and Indian Crested Porcupine (*Hystrix indica*) are the mammalian species and Crested-serpent eagle (*Spilornis cheela*) is listed as Schedule I species

- **Public Hearing (PH) Details**

| | |
|--------------------------------|--|
| Advertisement for PH with date | State level newspaper “Rising Kashmir” and “Chattan” daily” dated 22.11.2023 |
| Date of PH | 21.12.2023 |
| Venue | Recreation Park (Children Park) Boniyar, Distt. Baramulla (adjacent to Uri NH) |
| Chaired by | Additional District Magistrate, District |

| | |
|------------------------------|---|
| Main issues raised during PH | <ul style="list-style-type: none"> • Provision of Employment of local Youth • Provision of Medical Facilities • Financial assistance for strengthening of basic infrastructure in the area |
| No. of people attended | 340 |

• **Brief of base line Environment:**

| Particulars | Details | | | |
|--|--|----------------|--------------|------------------------|
| Period of baseline data collection/Sampling period. | Parameters | Monsoon | Winter | Summer/ Pre-Monsoon |
| | Soil | September 2021 | January 2022 | May 2022 |
| | Air Environment | September 2021 | January 2022 | May 2022 |
| | Noise & Traffic | September 2021 | January 2022 | May 2022 |
| | Water Quality | September 2021 | January 2022 | May 2022 |
| | Vegetation | September 2021 | January 2022 | May 2022 |
| | Fauna surveys | September 2021 | January 2022 | May 2022 |
| | Socio-economic survey of Project affected villages | May 2022 | | |
| (Air, noise, water, land) | | | | |
| flora and fauna of the project | | | | |
| aquatic ecology, etc. | | | | |
| Brief description on hydrology and water assessment as per the approved Pre-DPR: | The water availability series from 1994-95 to 2019-20 (26 years) has been approved by CWC Hydrology (N) Directorate vide their file no. T-11025/1//2021-HYD(N) Dte, dated 15-03-2021. The average annual yield for the series Jun-94 to May-20 is computed as 8080 Mcum (i.e. 633.7 mm). | | | |
| Additional detail (If any) | | | | |

- **Court case details:** Nil
- **Status of other statutory clearances**

| Particulars | Letter no. and date |
|---|--|
| Status of Stage- I FC | The proposal for grant of 'in-principle' approval for the diversion of 17.00 hectares of forest land for the underground work of the Uri-I Stage II HEP has been recommended during the Advisory Committee (AC) meeting held on 26.12.2024. MoEF&CC has issued letter dated 14/01/2025 accorded Stage I/In principal approval for diversion 17 ha of forest land. |
| Approval of Central Water Commission | CWC Hydrology (N) Directorate vide their file no. T-11025/1//2021-HYD(N) Dte, dated 15-03-2021. |
| Approval of Central Electricity Authority | CEA Letter no. File No.CEA-HY-12-20/3/2021-HPA Division dated 20.03.2021. |
| Additional detail (If any) | |
| Is FRA (2006) done for FC-I | Yes, Attached as Appendix II |

- **Details of the EMP**

| S. No | Component of EMP | Capital Cost (Rs. In lakh) | Recurring Cost (Rs. In lakh) | | | | | | | Total Cost (Rs. In Lakh) |
|-------|---------------------------------|----------------------------|------------------------------|--------|--------|--------|--------|--------|--------|--------------------------|
| | | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | |
| 1 | Catchment Area Treatment Plan | 1297.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1297.00 |
| 2 | Compensatory Afforestation Plan | 71.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71.19 |

| S. No | Component of EMP | Capital Cost (Rs. In lakh) | Recurring Cost (Rs. In lakh) | | | | | | | Total Cost (Rs. In Lakh) |
|-------|--|----------------------------|------------------------------|--------|--------|--------|--------|--------|--------|--------------------------|
| | | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | |
| 3 | Biodiversity Conservation & Wildlife Management Plan | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.00 |
| 4 | Fisheries Conservation and Management Plan | 17.00 | 8.00 | 8.00 | 8.00 | 8.00 | 0.00 | 0.00 | 0.00 | 49.00 |
| 5 | Muck Dumping and Management Plan | 30.00 | 428.14 | 637.22 | 530.19 | 533.11 | 9.50 | 10.00 | 10.00 | 2188.16 |
| 6 | Landscaping, Restoration of Quarry, and Construction Sites | 25.00 | 0.00 | 25.00 | 30.00 | 20.00 | 15.00 | 15.00 | 0.00 | 130.00 |
| 7 | Reservoir Treatment Plan* | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | Green Belt Development Plan | 0.00 | 4.13 | 4.12 | 11.01 | 14.48 | 19.93 | 11.18 | 10.74 | 75.59 |
| 9 | Sanitation and Solid Waste Management Plan | 111.00 | 31.64 | 25.64 | 21.64 | 16.64 | 0.00 | 0.00 | 0.00 | 206.56 |
| 10 | Public Health Delivery System | 50.00 | 29.00 | 29.00 | 29.00 | 29.00 | 0.00 | 0.00 | 0.00 | 166.00 |
| 11 | Energy Conservation Measures | 26.00 | 31.50 | 31.50 | 31.50 | 31.50 | 0.00 | 0.00 | 0.00 | 152.00 |

| S. No | Component of EMP | Capital Cost (Rs. In lakh) | Recurring Cost (Rs. In lakh) | | | | | | | Total Cost (Rs. In Lakh) |
|-------|---|----------------------------|------------------------------|--------|--------|--------|--------|--------|--------|--------------------------|
| | | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | |
| 12 | Labour Management Plan | 35.00 | 4.00 | 7.00 | 7.00 | 7.00 | 0.00 | 0.00 | 0.00 | 60.00 |
| 13 | Disaster Management Plan (Emergency Action Plan) ** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | Control of Air, Noise and Water Pollution | 0.00 | 10.00 | 10.00 | 10.00 | 10.00 | 0.00 | 0.00 | 0.00 | 40.00 |
| 15 | Environmental Monitoring Programme | 0.00 | 11.65 | 11.65 | 11.65 | 11.65 | 0.00 | 0.00 | 0.00 | 46.60 |
| 16 | Rehabilitation and Resettlement Plan*** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | Local Area Development Plan | 1038.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1038.80 |
| | Total | 2886.99 | 558.06 | 789.13 | 689.99 | 681.38 | 44.43 | 36.18 | 20.74 | 5706.90 |
| 18 | NPV under B-land [#] | 116.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 116.66 |
| | Total | 3003.65 | 558.06 | 789.13 | 689.99 | 681.38 | 44.43 | 36.18 | 20.74 | 5823.26 |

* Reservoir Rim Management Plan is already implemented by Uri-I Power Station and Plantation is proposed under Greenbelt Development Plan.

** Emergency Action Plan is already implemented by Uri-I Power Station.

*** Rehabilitation and Resettlement Plan Not required as no private land is acquired for the project.

The cost of NPV shall come under the B-LAND in the DPR.

23.1.3 The proposal was earlier considered by the EAC in its 13th meeting held on 13.08.2024 wherein the proposal was deferred for want of additional information. PP vide letter dated 07.01.2025 submitted the following information sought by the EAC on Parivesh Portal:

ADS Point 1: The Project Proponent (PP) shall submit the data on the environmental flow (e-flow) monitored for the existing project.

Reply: Due to file size limitations, 3 months (January 2023 – March 2023) environmental flow (e-flow) data monitored for the existing project has been provided. The detailed month-wise data (Jan2023 to Nov 2024) has been submitted to the MoEFCC in hard copy.

ADS Point 2: The PP shall submit an approved wildlife conservation plan as project location is in close proximity to Wildlife Protected Area.

Reply: The Biodiversity Conservation & Wildlife Management Plan for Schedule I species has been approved by the office of Principal Chief Conservator of Forests (Wildlife)/ Chief Wildlife Warden vide letter no. WLP/Tech/2024/704-705 dated 14.10.2024. A copy of approval along with the Biodiversity Conservation & Wildlife Management Plan has been submitted.

ADS Point 3: Given that 17 hectares of forest land are involved, the PP shall provide a detailed classification of the project area, including information on forest density, species, diversity and other relevant ecological characteristics.

Reply: The detailed classification of the project area, including information on forest density, species, biodiversity, and other relevant ecological characteristics has been submitted, proposal for grant of 'in-principle' approval for the diversion of 17.00 hectares of forest land for the underground work of the Uri-I Stage II HEP has been recommended during the Advisory Committee (AC) meeting held on 26.12.2024.

ADS Point 4: The PP shall submit a videography of the entire public hearing proceedings to the Ministry.

Reply: A videography of the entire public hearing proceedings shall be submitted to the Ministry in pen drive as due to data size limitation, it cannot be uploaded on PARIVESH portal. Public Hearing video has been presented during next EAC meeting for appraisal of Uri I Stage II HEP.

ADS Point 5: The PP shall submit drone videography of the area where the proposed project is located.

Reply: Drone videography of the area where the proposed project is located shall be submitted to the Ministry in pen drive as due to data size limitation it cannot be submitted online on PARIVESH portal. Drone video has been presented during next EAC meeting for appraisal of Uri I Stage II HEP.