

SCHEDULE-VIII

Decision on IEE

1. **Name and address of the proponent:**

Chief Executive/ Project Director
Dargai Rehabilitation Project Pakistan Water and Power
Development Authority (WAPDA)/ Capacity Enhancement
Project WAPDA Chitral.
Contact # 0943-413102/0344-9666463

2. **Description of project:**

“Chitral Capacity Enhancement Project from 1 MW to 5 MW” is located at Shingur Village of Chitral on right side of Luthko River - a right tributary of Kunar River (Chitral River) at District Chitral. The existing Chitral Hydel Station has a 2,670 m length of power channel, with a cross section of width 2.0 to 2.75 m and a depth of 2.5 m, carrying 5.66 m³/s flow for a 1.0 MW installed capacity, which was commissioned in 1975 and has achieved its design life, thus far facing numerous problems. In the proposed Chitral capacity enhancement Project, the existing alignment from intake to power house will be used, the size of the power channel is 4.5 m × 2.4 m with a box culvert designed to carry 16.24 m³/s flows for 5.0 MW of installed capacity along with meeting the irrigation water requirements of the communities. The project will require upgradation & rehabilitation of civil structures, construction of a permanent weir intake structure, installation of latest equipments, and connecting the project with national grid. It is run-of- the river project and E.flow of 6.18 m³/s will be allowed for downstream riparian survival. The existing land, owned by WAPDA, will be used for widening, whereas, about 10 Kanal private land adjacent to the powerhouse will be required for switchyard construction. The project will be constructed by WAPDA with the financial support from French Agency for development Cooperation (AFD). This project will contribute to a sustainable power and clean energy supply in Chitral and Pakistan.

3. **Location of project:**

The project is located at Shingur Village, Garam Shashma Road, Chitral Town on right side of Luthko River - a tributary of Kunar River (Chitral River), District Chitral Khyber Pakhtunkhwa Pakistan.

GPS Coordinates (As per KMZ file):

Intake structure	: N 35.931437°, E 71.808641°
Settling Basin	: N 35.926395°, E 71.810260°
Forebay Structure	: N 35.903240°, E 71.809162°
Power House Site	: N 35.902939°, E 71.809797°
Switchyard area	: N 35.902267°, E 71.809343°

4. **Date of filing of IEE:**

15/07/2022 (Ref. EPA, RO Swat Diary No. 2642)

5. After a careful review, the Environmental Protection Agency, Regional Office, Swat Govt. of Khyber Pakhtunkhwa has decided to accord construction phase approval of the Initial Environmental Examination (IEE) Report of “**Chitral Capacity Enhancement Project from 1.0 MW to 5.0 MW**” in line with the guidelines issued by Khyber Pakhtunkhwa Environmental Protection Act, 2014 and Khyber Pakhtunkhwa Environmental Assessment Rules, 2021 subject to the following terms & conditions:-

- a) The proponent shall adopt and implement all precautionary and mitigatory measures identified in IEE report and commitments made in subsequent correspondences as well as any unanticipated impacts during the construction and operation phase of the project.
- b) All the effluents and emissions (if any) shall be kept within the permissible limit of National Environmental Quality Standards (NEQS).
- c) The proponent/ operator shall be bound to adhere to the “**Guidelines for Sensitive and Critical Areas**” notified by government of Pakistan in designing, planning, management and operations of all the components of the project.
- d) The proponent shall strictly adhere to building by-laws and site plan during designing and implementation of the Hydropower project with due consideration to the natural & manmade disasters and emergencies.
- e) The proponent has to abide by the provisions of national and provincial Climate Change Policies and shall implement the adaptation and mitigation measures proposed in Climate Change Action Plans.
- f) No nuisance by way of noise, dust, odor, soil and/or ground water contamination shall be caused to the public and surrounding environment during construction and operation of the activity.
- g) The conventional weir structure, without the appropriate consideration of fish passage, is considered to be a barrier or potential barrier to fish passage and disintegrating aquatic habitats and ecological systems. To keep intact the aquatic life in the stream, provide free passage up and downstream of the weir intake structure and fish ladder to ensure fish movement for seasonal migration.
- h) Personal Protective Equipments shall be provided to all workers to ensure health and safety with first aid box for emergency medical use.
- i) The channel shall be box culvert type, in case of open channel safety measures like fencing/ railing or equivalent protection shall be provided for settling basin, forbay, manholes etc. to keep livestock and public access protected and away from the water ponds/channel.
- j) Proper mitigation and safety measure shall be adopted in design and operation for power channel passing through the campus of Chitral University and the construction activities in the university area shall be planned and implemented during the summer or winter vacations and closure times.
- k) The proponent shall be bound to strictly ensure dumping of soil, muck/ excavated material on designated/identified site and avoid dumping of the same to down slopes, river side/water bodies etc. Moreover, the same should be stabilized by engineering techniques, proper plantation and bio engineering.
- l) Proper mitigation measures shall be formulated and implemented to avoid soil erosion, land sliding and sedimentation to nearby water bodies or other properties.

- m) The proponent/contractor will restrict removal or damage of trees and vegetation, and if unavoidable, then cash compensation will be paid to owners along with adequate planting or re-vegetation of the area damaged during construction according to the submitted plantation plan. Furthermore, a separate register for tree records must be kept for each tree cut and new plantation.
- n) Conventional blasting is strictly prohibited and shall not be considered until dully approved by the concerned department/authority. Preference shall be given to alternatives techniques rather than conventional blasting.
- o) River bed mining shall not be conducted without prior approval of concerned Department and this Agency.
- p) The Right of Way (RoW) of river, natural water sheds and roads shall not be disturbed. Moreover, the river shall be also protected from all type of pollution from project related activities.
- q) Proper flood protection and management plan shall be identified and site specific mitigation measures shall be implemented during rainy flood, GLOF events, and flash flooding.
- r) The proponent shall ensure all public utilities, such as road, water supply pipes, water courses, phone lines, natural water springs etc. be not disturbed during construction activities of the project and if interference is unavoidable, alternate shall be ensured with consultation and consent of concerned authority may be sought under intimation to EPA.
- s) The proponent shall rehabilitate all sites to their natural condition affected by temporary use during the construction phase at the end of the construction period.
- t) The proponent must develop detail land, crops, trees and other property acquisition/ resettlement/compensation action plan and undertake the same under a standard legal process by district revenue department before the start of construction. A certificate of conflicts resolution regarding land acquisition and compensation dully verified by district administration may be submitted to this Agency before the commencement of the project.
- u) An environmentalist along with team shall be hired for ~~proper~~ and effective implementation of Environmental Management Plan of IEE Report.
- v) The cultural values and social norms of the area shall be strictly followed.
- w) Separate environmental approvals shall be obtained for transmission line, crush plants and permanent colony etc. under the Khyber Pakhtunkhwa Environmental Assessment Rules-2021.
- x) The recommended 15% Mean Annual Flow (MAF) i.e. $6.18 \text{ m}^3/\text{s}$ in IEE report is approved as environmental flow and irrigation water requirement. Moreover, arrangements shall be made to ensure the promised E.flow in the IEE Report. It must be regularly measured and a separate register/ record shall be maintained for the same for monitoring purposes.
- y) Water rights of the existing beneficiaries for irrigation and other purposes shall be protected.
- z) Employment shall be provided to the local people in non technical jobs and proponent/contractor shall ensure strict compliance to labor laws, especially registration with EOBI/ESSI where applicable.

- aa) Keeping in view the demands/ needs of local, a comprehensive CSR policy shall be formulated and implemented with intimation to this Agency as promised in IEE Report.
- bb) The proponent shall inform the EPA office in writing regarding the date of commencement of construction/installation work on site and operation of the activity for monitoring purposes.
- cc) A copy of this approval and IEE report shall be provided to the contractor/ operator/ for information and compliance and a biannual (six months) performance/ compliance report shall be submitted to this Agency by the proponent.
6. The proponent shall be liable for correctness and validity of the information provided to the EPA in the IEE report and subsequent correspondence.
7. EPA monitoring team will regularly visit the project site and suggest further measures for the improvement of environment; the proponent shall be responsible to facilitate the EPA team during visit/inspection/monitoring.
8. The proponent shall be liable for compliance of Rules 14(2), 15, 18, 19 and 20 of Khyber Pakhtunkhwa Environmental Assessment Rules 2021, regarding approval, confirmation of compliance, validity, entry, inspections and monitoring.
9. This approval is accorded only for the installation/ construction phase of the project; **the proponent will have to obtain separate approval for operation phase** in accordance with the Rule-15 of the KP-Environmental Assessment Rules, 2021.
10. Any alteration/ expansion of the approved project shall be communicated to EPA and shall be commenced after obtaining the approval; likewise, no other activities should be undertaken other than what is stipulated in the IEE Report.
11. This approval shall be treated as null and void under rule-21 of the Rules ibid if all or any of the conditions mentioned above is/are not complied with.
12. This approval does not absolve the proponent of the duty to obtain any other approval or clearance that may be required under any law in force from any other Agency.
13. There shall be no legal case pending in the courts against the project.
14. In exercise of the powers conferred upon the undersigned under Section 13 of the Khyber Pakhtunkhwa Environmental Protection Act, 2014, the undersigned is pleased to approve the IEE Report for the construction phase of the project with above mentioned terms and conditions.


Dated: Swat 27/10/2022

Tracking/File. No. EPA/ROS/IEE/ Chitral CEP (HPP) 1 MW to 5 MW/Chitral/ 3634-35

Tracking Code:



<https://epakp.gov.pk/environmental-approvals/>


27/10/2022
Director (Malakand),
EPA, Regional office Swat,
Govt. of Khyber Pakhtunkhwa.