

SCHEDULE-VI

Decision on EIA

1. **Name, address of proponent:** Director (Dams & Railways),
Frontier Works Organization,
Dams & Railway Cell (BOT Dte),
509 Kashmir Road, R.A Bazar,
Rawalpindi.
Ph No. 051-9271370.
2. **Description of project.** The Shogo-Sin 132 MW Hydro Power Project is proposed to be a Run of River (RoR) Project. The diversion structure on Lukhto River is Concrete Face Rockfill Dam (CRFD) with its crest level at elevation 1805 m.a.s.l. and a maximum height of 37m above the river bed level at the axis centre line. Construction of about 7590 meter long tunnel is proposed to obtain a gross head of 248.5m at Khura Lash to carry water from dam site to power house site. The weir site is located at Shogore village and power house site at Khura Lasht and Shalli Baba village about 13 km downstream weir site. The project will complete and commission in 5 years.
3. **Location of project.** The Project is located in District Chitral.
4. **Date of filing of EIA.** 06/09/2018
(Ref: EPA Diary No.868)
5. After careful review, the Environmental Protection Agency, Govt. of Khyber Pakhtunkhwa has decided to accord approval of the Environmental Impact Assessment (EIA) for "Shogo-sin Hydro Power Project (132 MW), District Chitral" for construction phase, in line with the Khyber Pakhtunkhwa Environmental Protection Act, 2014 and IEE/EIA Regulations, 2000, subject to the following terms & conditions:-
 - a) The proponent will adopt all precautionary and mitigation measures identified in EIA Report as well as any un-anticipated impacts during the construction and operation phase of project. The mitigation measures proposed in the EIA report are considered as "commitments" and institutional arrangement for its implementation shall be finalized before the start of construction so that proposed mechanism of environment protection should work in time.
 - b) Arrangement for compensation to the affectees in case of loss of agriculture land, crops and property etc. will be finalized before the start of construction. Any money involved in compensation will be deposited with District Govt./Revenue Department for disbursement

- among the affectees. As far as possible recommendations of a committee comprising of land/house owners and tenants shall be taken into consideration during finalizing the compensation package. All conflicting issues regarding compensation etc. to be settled before executing/commencing of the project activities and a certificate in this regard should be submitted to this Agency.
- c) Ecological flow shall be maintained in the river.
 - d) Safety zone/adequate engineering measures should be provided to overcome fears of the residents regarding effect of pond to their houses.
 - e) Submergence of Road/Highway should be reconstructed in another suitable place.
 - f) Damage to forest should be assessed and mitigation/compensation plan be finalized with the Forest Department, prior to construction. To minimize erosion, afforestation programme in consultation with forest Department should be planned and implemented in the catchment area of the proposed dam. A copy of the proposed plan shall be submitted to EPA.
 - g) Existing water rights shall be protected.
 - h) Separate NOC/Legal Approval is required for batching/crushing plant and construction of Town/Colony under Khyber Pakhtunkhwa Environmental Protection Act, 2014.
 - i) No extension would be permitted in the future in the existing hydropower project without prior approval of the EPA/Govt of Khyber Pakhtunkhwa.
 - j) The Project management may consider the possibility of implementation of a social development programme in the area (health, education, communication etc) in consultation with local community and District Administration.
 - k) The proponent shall ensure to avoid dumping of debris into down slope or in water bodies. A proper designated area should be identified for disposal of debris and be stabilized by proper plantation, bio engineering and engineering techniques. The same should be provided to EPA.
 - l) In case, the blasting is inevitable, the controlled techniques, in accordance with Pakistan Explosive Act should be adopted in sliding and perspective sliding prone areas.
 - m) The proponent shall ensure the strict and efficient health and safety measures for the protection of workers and passersby backed by a comprehensive emergency response plan.
 - n) The proponent shall replace all public utilities, such as water supply pipes, power/phone lines and other infrastructures like masjids, schools, graveyards, hospitals etc to be lost by the execution of the project. If it is inevitable then alternative may be provided to the people of the area before construction with respective agencies under the intimation to Khyber Pakhtunkhwa-EPA.
 - o) Existing Right of Way (RoW) shall not be disturbed. Proper access track shall be developed for construction activities.
 - p) The issue of net hydel profit raised by Khyber Pakhtunkhwa Govt./under litigation is resolved/decided upon.
 - q) Non-technical jobs shall be provided to local community. Employment record for all positions shall be provided to EPA-Khyber Pakhtunkhwa and priority should also be given to local in technical jobs.

The proponent shall provide the copy of this approval and EIA report to the contractor for information and compliance.

The Proponent shall be liable for correctness and validity of the information supplied by the environmental consultant.

The proponent shall be liable for compliance of Sections 13,14,17 and 18 of IEE/EIA Regulations, 2000, regarding approval, confirmation of compliance, entry, inspections and monitoring.

8. This approval is accorded only for the installation/ construction phase of the project. The Proponent will obtain approval for operation of the hydro power project in accordance with the Section 13 (2) (b) and Section 18 of the IEE/EIA Regulations, 2000.
9. Any change in the approved project shall be communicated to EPA, Khyber Pakhtunkhwa and shall be commenced after obtaining the approval.
10. This approval shall be treated as null and void if all or any of the conditions mentioned above is/are not complied with.
11. 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.
12. In exercise of the power under Section 13 of the Khyber Pakhtunkhwa Environmental Protection Act, 2014, the undersigned is pleased to approve the EIA Report for construction phase of the project with above mentioned terms and conditions.

Dated: Peshawar 26-04-2018

Tracking/File. No. EPA/EIA/132MW-Shogo-Sin-HPP/Chitral/19/878

**DIRECTOR GENERAL,
EPA, Khyber Pakhtunkhwa,
3rd Floor, SDU Building,
Khyber Road Peshawar Cantt.**

