

SCHEDULE-VI

Decision on EIA

1. **Name, address of proponent:** Mussarat Zuberi
Chief Executive Officer
Star Hydropower Limited
House No. 534, Margalla Road
Sector F-10/2, Islamabad Pakistan
Tel # 051-2212610
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2. **Description of project.** The Patrind Hydro Power Project has planned to install on River Kunhar located on the boundary of District Abbottabad of Khyber Pakhtunkhwa and District Muzaffarabad of AJK with a total capacity of 150 MW. The project has a total catchment area of 2429 Km². The project will require the resettlement of houses. The Project area lies in the high degree seismic risk zone.
3. **Location of project.** The project is located in District Abbottabad.
4. **Date of filing of EIA.** 08/07/2009
(Ref: EPA Diary No.2179)
5. After careful review, the Environmental Protection Agency, Govt. of Khyber Pakhtunkhwa has decided to accord approval of the Environmental Impact Assessment for Patrind Hydro Power Project (150 MW) District Abbottabad, for construction phase, in line with the guidelines issued by Pak. EPA and IEE/EIA Regulations, 2000, subject to the following terms & conditions:-
 - a) Water level in the pond created by construction of Patrind weir should be maintained at EI 765m. amsl. Safety zone/adequate engineering measures should be provided to overcome fears of the residents regarding effect of pond to their houses.
 - b) The level difference of 2 meter from 765m.amsl to 767m will act as safety zone so the owner of the land and housing structures falling within the zone should be compensated as per laid down procedure of compensation of the government.
 - c) Land and houses should be acquired through Revenue Department of Khyber Pakhtunkhwa and the Compensation should be made to the affectees as per government policy before starting the construction activities. Current land use such as barren or agriculture land should be taken into consideration. All conflicting

issues regarding compensation etc to be settled before executing or commencing of the project activities and a certificate in this regard should be submitted to this Agency.

- d) As pointed out in the public hearing of the project and later on discussed in the committee constituted for this purpose, the 25 houses in Sarrati area located near the weir, 2 houses in Deedal and 6 houses of Mr. Ghulam Ali may be affected by the project and thus should be acquired by the company as per acquisition policy of the Govt of Khybe Pakhtunkhwa. Compensation to the affectees should be paid prior to construction/taking possession of the houses.
- e) Any land or building acquired on temporary basis should be handed over to the owner in its original position.
- f) Arrangements for compensation should be made through National Bank of Pakistan, Union Council Boi, Hussainabad, Abbottabad Khyber Pakhtunkhwa (if possible).
- g) The project management should contribute towards the repair of the road to be used during construction and operation activities of the project.
- h) Retaining walls should be constructed as and where required to protect the soil erosion due to the project.
- i) The trees supposed to be submerged should be counted in the presence of all stake holders i.e Owners, Land collectors/Patwari representing Revenue Department, representative of EPA and Forest/Agriculture Department. After the determination of exact number, type and ownership of trees be finalized and paid as per laid down procedure of the government.
- j) 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 will be finalized before the start of construction so that proposed mechanism of environmental protection should work in time.

- Minimum flow of 2 m³/s in the downstream of weir in Kunhar river should be kept and provision for 10% extra of this amount of water for emergency in the downstream should also be kept in the plan.
- l) Present right of way of irrigation (If any) should be protected.
 - m) To minimize erosion, afforestation programme should be planned and implemented in the catchment area of the proposed dam/pond.
 - n) Non-technical jobs should 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 but not at the cost of merit or requirement of the management of the project.
 - o) Separate NOC is required for batching/crushing plant.
 - p) No extension would be permitted in the future in the existing hydropower project without prior approval of the EPA/Govt of Khyber Pakhtunkhwa.
 - q) 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 (if possible).
 - r) The proponent shall provide the copy of this approval and EIA report to the contractor for information and compliance.
 - s) The proponent should ensure to avoid dumping of debris into down slope. A prior area should be identified for disposal of debris and be stabilized by proper plantation, bio engineering and engineering techniques.
 - t) 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.
 - u) The proponent should ensure the strict and efficient health and safety measures for the protection of workers and passers by backed by a comprehensive emergency response plan.
 - v) In the case the articles of archeological importance like artifacts, coins rock-arts and other archeological relics are discovered, the work at the site should immediately be stopped and the concern department or agency should be consulted for the appropriate action.

The proponent shall ensure all public utilities, such as water supply pipes, power / phone lines which should not be disturbed by the execution of the project. If it is inevitable then alternative may be provided to the people of the area before consultation with respective agencies under the intimation to Khyber Pakhtunkhwa-EPA.

- x) Proponent will be responsible to facilitate EPA team for any visit for inspection, monitoring etc.
- y) The issue of water use charges is settled with Govt. of Khyber Pakhtunkhwa.

6. The proponent shall be liable for correctness and validity of the information supplied by the environmental consultant.
7. 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 12 of the Pakistan Environmental Protection Act, 1997, the undersigned is pleased to approve the EIA Report for construction phase of the project with above mentioned terms and conditions.

Dated: Peshawar 14-4-2011
Tracking/File.No. EPA/EIA/Patind-Hydro/ 68

30-11
14/4/11
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