

Project Summary

Project Background

The Government of Pakistan (GOP) has received a loan from Asian Development Bank (ADB) under Renewable Energy Development Sector Investment Programme for construction of Machai HPP. The Sarhad Hydel Development Organization (SHYDO) Government of NWFP will be the Executing Agency.

Project Objectives

The Machai Hydropower Management Consultants will work with SHYDO and shall provide overview/oversee, supervision, coordination and engineering review services sufficient to perform a continuous due diligence to avoid oversight in the execution of Machai HPP. These services shall provide project support beginning with the selection of the EPC Contractor through to Final Commissioning of the project.

Project Activities

- Review, evaluate and prepare a shortlist of EPC Contractors;
- Prepare the EPC Tender Documents; these documents should be based on the FIDIC/ADB Conditions for EPC/Turnkey Contract for a fixed time fixed cost basis;
- Coordinate and respond to the tenderer's questions and clarifications;
- Complete the initial technical evaluation report of EPC proposed project designs, obtaining clarifications as required;
- Review designs, evaluate cost proposals financing arrangements and condition of repayment;
- Provide assistance to SHYDO in negotiations with the selected bidder in finalizing the EPC contract including any modifications, inclusions, exclusions and conditions to the draft contract.;
- Review power purchase agreement and preparation of power tariff document/model and to provide assistance to SHYDO in negotiations of power tariff with WAPDA/power purchaser;
- Prepare, apply, defend and obtain generation license from NE-PRA/relevant authority;
- Prepare, apply, defend and obtain tariff for sale of power of the project from NEPRA/relevant authority;
- Prepare and help client in negotiation and signing of power purchase agreement for sale of power of the project with power purchase.;
- Assist and draw proposals/plan for training of SHYDO staff for design, construction, operation and maintenance of Hydro Power plant.

Services Provided

- Review of Feasibility Study
- Preparation of Bidding Documents
- Site Supervision
- Training for Design, Construction, O&M

Pakistan

Management, Design and Supervision of Machai Hydropower Project (2.6 MW)

Client

Sarhad Hydel Development Organization, SHYDO

Duration

07/2009 - 06/2013

Personnel

- 3 international experts (36 PM)
 - Teamleader (LTE)
 - Hydropower Design Specialist
 - Contract Expert
- national Experts (80 PM)
 - 1 national LTE
 - pool of national STE

