

NOTICE

THE INTERESTED FIRM MUST FILL THE BELOW INFORMATION URGENTLY AND EMAIL AT proc.wbprojects@pedo.pk with SUBJECT: FIRM NAME - ASSIGNMENT TITLE

1	ASSIGNMENT TITLE	
2	FIRM NAME & ADDRESS	
3	CONTACT PERSON NAME & CONTACT NUMBER	
4	CONTACT PERSON EMAIL ADDRESS	

Terms of Reference -(draft)

GOVERNMENT OF KHYBERPAKTUKHWA

Pakhtunkhwa Energy Development Organization (PEDO)

**Khyber Pakhtunkhwa Hydropower Development Program
(KPHDP)**

TERMS OF REFERENCE (TOR)

FOR

PLANNING CONSULTANT

NOVEMBER 2019

I. Introduction

1.1 The Government of **Khyber Pakhtunkhwa (GOKP)** has obtained an advance from the credit from the World Bank for the **Khyber Pakhtunkhwa Hydropower Development Program (KPHDP)**. The overall project development objective program is to facilitate the expansion of electricity supply of hydro-power in Khyber Pakhtunkhwa and Pakistan. PEDO is now starting the implementation of the program with assistance from the World Bank. This "Terms of Reference" is for the Planning Consultant. This activity will be financed by the loan from the World Bank for KPHDP.

II. Objectives and Scope of Work

2.1. The primary objective of the services to be provided by the Planning Consultants is to assist PEDO in Development of Comprehensive Plan for Hydropower and Energy Systems in KPK and preparation of specific projects.

2.2. In this capacity the PLANNING CONSULTANT is expected to assist PEDO inter alia, in the Development of Comprehensive Plan for Hydropower and Energy Systems in KPK;

- i. Assessment and Appraisal of potential hydropower and alternative renewable energy sites in KP, and preparation of a long-term integrated plan for development of renewable energy and hydropower resources in the province;
- ii. Sequencing of the investment program over 10 years, 20 years and 30 years periods considering priorities, objective agreed criteria, demands and implementation constraints etc and electricity price for the generators and consumers.
- iii. Determining appropriate mode of financing and project development considering all options, private, public, a combination, and community etc,
- iv. Development of power evacuation plan and grid connectivity;
- v. Development of Institutional structures for PEDO and each investment project proposed in the long term plan;
- vi. Development of financing strategy, modes, and structure for the funding the investment program;

2.3. Preparation of specific Projects;

- i. Pre-feasibility of about 10 high priority sub-projects out of the comprehensive short, medium, and long term plan agreed with the employer ;
- ii. In addition preparation of Bankable feasibility studies including ESIA studies of about 8 high priority projects, out of the comprehensive short, medium, and long term plan agreed with the employer; and p Design and bidding documents of three high priority projects agreed with the employer;
- iii. Carry out geotechnical investigation of 10 projects in addition to those in items (i) and (ii) above.

Detailed Scope of the Services

2.4. The scope of services provided by Planning Consultant shall, inter alia, include to assist PEDO in PEDO in Development of Comprehensive Plan for Hydropower and Energy Systems in KPK and preparation of specific projects. The scope of services outlined above are further detailed, but not limited to the items below:

Task 1: Assessment and Appraisal of potential hydropower and alternative renewable energy sites in KP, and preparation of a long-term integrated plan for development of renewable energy and hydropower resources in the province;

Task 1-A. Sequencing of the investment program over 10 years, 20 years and 30 years periods considering priorities, objective agreed criteria, demands and implementation constraints etc and electricity price for the generators and consumers.

Task 2: Development of Institutional structures for PEDO and each investment project proposed in the long term plan;

Task 2-A: Development of financing strategy, modes, and structure for the funding the investment program;

Task 2-B Determining appropriate mode of financing and project development considering all options, private, public, a combination, and community etc,

Task 3: Development of power evacuation plan and grid connectivity;

Task 4: Preparation of specific Projects;

Task 4- Pre-feasibility of about 10 high priority sub-projects out of the comprehensive short, medium, and long term plan agreed with the employer ;

Task 4-B In addition preparation of Bankable feasibility studies including ESIA studies of about 8 high priority projects, out of the comprehensive short, medium, and long term plan agreed with the employer; and p Design and bidding documents of three high priority projects agreed with the employer;

Task 4-C: Carry out geotechnical investigation of 10 projects in addition to those in items (i) and (ii) above.