Advance Contracting Notice

Date: 27 June 2017

Country/Borrower: Pakistan

Title of Proposed Project: LOAN 48078-004 (PAK) MFF Power Transmission Enhancement Investment Program II Tranche 2

Name and Address of Executing Agency:

National Transmission & Despatch Company Limited
WAPDA House, Shahrah-e-Quaid-e-Azam, Lahore, Pakistan

Brief Description of the Project:

The Asian Development Bank approved on 23 August 2016 a multitranche financing facility (MFF II) to Government of Pakistan with an aggregate facility amount of up to $810 million [$ 800 million from ADB’s ordinary capital resources (OCR), and $10 million equivalent from special fund resources (ADF)] for the Second Power Transmission Enhancement Investment Program. The investment program aims to expand and reinforce Pakistan’s power transmission system, enabling the system to provide a reliable and quality service capable of meeting increasing customer demand and supporting economic growth.

The project is the 2nd Tranche under the investment program and supports improvement of system reliability and power supply quality of supply through reinforcement and improved monitoring and control as well as meet increasing consumer demand. It will also help improve the financial management, regulatory relations, planning, project management, and procurement capacities of the transmission system owner and operator which is the National Transmission and Despatch Company Limited or (NTDC).

Brief Description of Goods and Related Services, Works or Consulting Services to be Procured and Retroactive Financing:

To improve PAK power transmission coverage, reliability, transparency, and quality of service, the following packages will be procured under the project:

(i) Procurement of plant-design, supply, installation, testing and commissioning of 220 kV substations (Lot I – Mirpur Khas S/S and extension at Hala Road S/S, and Lot II – Zhob S/S and extension at D.I. Khan S/S): To meet growing demand in HESCO customers, uprate existing system voltage profile to acceptable conditions, improve system reliability and voltage profile, and reduce transmission loss.

(ii) Procurement of plant-design, supply, installation, testing and commissioning of 220 kV transmission line [Lot 1- T/L associated with Mirpur Khas S/S (80 km); Lot 2 – T/L D.I.
Khan-Zhob (220 km); Lot 3 – T/L Guddu-Shikarpur (150 km); Lot 4 – T/L Shikarpur-Uch (100 km); and Lot 5 – T/L Uch-Sibbi (110 km): To eliminate load shedding and transmission loss, increase power supply at northeastern Balochistan, uprate existing system voltage profile to acceptable conditions, and improve system reliability and electricity quality.

(iii) Procurement of plant-design, supply, installation, testing and commissioning of SCADA Phase 3 and Revenue Metering System (RMS) for NTDC: To enable the Pakistan grid operator to monitor and control the grid in real-time and prevent or reduce the duration of outages in the network. The SCADA Phase 3 and RMS component will give the needed command and control to NPCC thus greatly increasing system reliability and stability.

(iv) Implementation support consultant for NTDC’s SCADA Phase 3 and RMS: The consulting assignment aims to support NTDC in management, construction, supervision, and implementation of the project. The consultant will assist NTDC in achieving technically viable, optimal, and cost effective development and implementation of the project keeping in view environmental and social aspects of the project. When completed, this project will allow the NTDC visibility of all energy coming onto the NTDC grid as well as all energy dropping off the NTDC grid to DISCOs and bulk power consumers. The intent is to include every possible connection between now and close of turnkey contract. This inclusion will also allow for new common delivery points/ system for settlement (SFS) points which as well will help the revenue metering of sites added to the system after contract award, but before closeout. This should avoid any real-time gaps in the data streams for NTDC as new data is brought online from the respective sites. The consultant will also make recommendations as to how the NTDC should proceed after end of the SCADA Phase 3 contract to connect new sites to the SCADA system and SFS. The consultant’s recommendations should help NTDC make a comprehensive plan to ensure that upcoming stations are added immediately to the SCADA system. The consultant shall also recommend relevant changes in the NEPRA Grid Code to ensure that all new grid stations or power plants that come onto the system provide all facilities and equipment so that they are integrated into the SCADA system.

Date of Advance Contracting and Retroactive Financing Approval: Following MFF approval on 23 August 2016, retroactive financing and advance contracting are also approved for all Tranches under the MFF.