Advance Contracting Notice

Date: 2 June 2016

Country/Borrower: Democratic Socialist Republic of Sri Lanka

Title of Proposed Project: Green Power Development and Energy Efficiency Improvement Investment Program – Tranche 2

Name and Address of Executing Agency:

Ministry of Power and Renewable Energy
Dr. B. M. S. Batagoda
Secretary
Telephone: +94 11 2370130
Email address: secretary@powermin.gov.lk
Office Address: 72, Ananda Kumara Samy Mawatha, Colombo 07, Sri Lanka

Brief Description of the Project:

The Green Power Development and Energy Efficiency Improvement Investment Program (the multi-tranche financing facility [MFF]) was approved by ADB’s Board of Directors on 15 July 2014. Project 1 (Tranche 1 of the MFF) was approved by ADB’s Management on 29 July 2014. The proposed Tranche 2 project is under processing now and aims for Board approval in November 2016. The Tranche 2 project will have the following outputs:

(i) Transmission infrastructure enhanced. This includes (a) construction of 180 km of 220 kV and 25 km of 132 kV transmission lines, 132 kV in and out connection cable line, and second circuit stringing of 100 km 132 kV Habarana-Valachchenai transmission line; (b) augmentation of existing 220/132/33 kV Biyagama and Kotugoda, 220/33 kV Mannar, Colombo C, Kolonnawa Stanley, 132/33 kV Kolonnawa, Padukka, Horana, Dehiwala and Madampe grid substations; (c) construction of 220/132/33 kV Hambantota, 220/33 kV Naddukuda and Biyagama, and 132/11 kV Colombo B grid substations in the Northern, North Central, Western, and Southern provinces to absorb the increased power demand and ensure stable system operation with intermittent wind and solar generation.

(ii) Efficiency of medium-voltage network improved. This includes (a) construction of 73 km of 33 kV lines in Mahailupallama, Ethgala, China Bay, Sooriyawewa and Bentota areas, and gantries in Mahailupallama, Ethgala, China Bay, and Weniwelara areas; and (b) augmentation of 33/11 kV Ethulkotte and Beligahaand primary substations, and construction of 33/11 kV Rattanapitiya primary substation in the Central, Eastern, North Central, Southern and Western provinces to address overloading of conductors and voltage drop in medium-voltage lines.
(iii) Demand-side management for energy efficiency improved. An innovative smart grid and metering pilot subproject, including installation of 10,000 smart meters with the smart metering infrastructure and meter management system, will be developed in the Katunayake Depot Area in the Western Province.

As a result, the Tranche 2 project will ensure increased access to clean and reliable power supply.

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

**Package 1**
- Lot A: Hambantota Grid S/S 220kV development; and
- Lot B: New Polpitiya-Hambantota 220kV, 150km transmission line

**Package 2**
- Lot A: Construction of Nadukuda 220/33kV grid substation and Augmentation of Mannar 220/33kV grid substation; and
- Lot B1: Construction of Mannar-Nadukuda 220kV, 30 km transmission line; and
- Lot B2: Padukka-Horana 132kV, 25km Zebra transmission line and the 2nd circuit stringing of Habarana-Valachchenai 132kV transmission line

**Package 3**
- Lot A2: Augmentation of Kotugoda, Kolonnawa Stanley, Horana, Dehiwala, and Madampe Grid Substations, and Padukka Switching Station
- Lot B: Construction of Biyagama 220/33kV Grid Substation and Augmentation of Biyagama Grid Substation

**Package 4**, which includes
  (i) Construction of 23.4km, 33kV DC Lynx Line from Old Anuradhapura GSS to Mahailuppallama Gantry & Construction of Two Section Single Busbar Gantry at Mahailuppallama;
  (ii) Construction of 33kV 4 km DC Lynx Tower line from Ethgala Gantry to Storefield Gantry, 8 km 4cct Lynx Tower line Kappalthurai GSS to Chinabaya Gantry
  (iii) Construction of SBB (Structural) Gantry at Chinabaya & Construction of SBB (Structural) Gantry at Ethgala; and
  (iv) 8km new 33kV Lynx DC line from Embilipitiya GSS to Weniwelara, 12km new 33kV Lynx DC line from Matugama GSS to Bentota PSS & two section double bus bar Gantry at Weniwelara

**Package 5**, which includes
  (i) Augmentation of Beligaha Primary Substation;
  (ii) Construction of Primary Substation at Rattanapitiya; and
  (iii) Augmentation of Ethukotte Primary Substation

*Asian Development Bank*
Package 6, which includes

(i) Smart meter and home area network;
(ii) Communication backbone, data network, and software; and
(iii) Local control centers

Package 7 - Consulting Services for (Demand Side Management) Smart Grid/Smart Metering

**Date of Advance Contracting Approval:** 7 April 2014