

REQUEST FOR EXPRESSIONS OF INTEREST

For OWNER'S ENGINEER to supervise

**Design Supply and Installation OF MULTI-TERMINAL HVDC CONVERTER STATIONS in
PAKISTAN, AFGHANISTAN AND TAJIKISTAN
Alongwith HVDC Line from Sangtuda to Peshawar via Kabul;
and HVAC Line and associated substation works in Tajikistan and Kyrgyz Republic
(Two separate Owner's Engineer Contracts)
for CASA 1000 PROJECT**

Project ID No. P 145054

Date: April 29, 2014

This EOI follows the general procurement notice for this project that appeared in Development Business No: P145054 of November 11th, 2013 on-line and Bank's External website.

The Central Asia-South Asia Electricity Transmission and Trade Project (CASA-1000) aims to facilitate electricity trade between hydropower surplus countries in Central Asia and electricity deficient countries in South Asia by putting in place the commercial and institutional arrangements and the transmission infrastructure required for this trade. The four countries participating in the project are Afghanistan, Kyrgyz Republic, Pakistan and Tajikistan. This project is financed by the Bank and number of other MDBs and financial institutions.

The project will build a cross-border power trade facility, comprising of (i) about 475 km of 500kV HVAC transmission lines to carry power from Kyrgyz Republic to Tajikistan at Khodjant and (ii) 1300 MW HVDC converter in Tajikistan (at Sangtuda) and thereafter a 750km long ± 500 kV HVDC transmission link via a 300 MW HVDC converter in Kabul, to a 1,300 MW terminal with HVDC converter facilities in Pakistan. The AC to DC convertor station would be designed to help power trade in any direction and would offer significant emergency system support to the national grids of the countries connected through HVDC system.

Two consultancy contracts (two separate short-lists) one for the HVDC network and another for the HVAC system will be selected through a competitive process to act as Owner's Engineers. These consultants will be responsible for assisting the CASA-1000 countries in supervising the Design, Supply and Installation contracts until handing over and commercial operation of the facilities, certifying contractors' payments, and assisting the IGC Secretariat with coordination among all relevant institutions. The Consultants will locate its staff at such countries as Afghanistan, Pakistan, Kyrgyzstan and Tajikistan. There will be a single Design, Supply and Installation contract for the DC convertor stations and three or more HVDC line contracts (depending on the financiers) and one or more AC transmission line contracts (depending on the financiers).

I. Owner's Engineer for HVDC Convertor stations and the line

Objective

The services of an Owner's Engineer for HVDC network are required for the implementation phase of the CASA-1000 Project for the 3 (three) DC Converter Stations and the 750 km DC Transmission Line traversing the territories in Tajikistan, Afghanistan and Pakistan. The Project Consultant will assist the 4 (four) implementing agencies of the project in the contract finalization, engineering and technical support, construction supervision, support for project implementation and other services.

Scope of services

The scope of services shall include functions of Project Manager defined in the Standard Contract template included in the World Bank's Standard Bidding Document for Procurement of Plant Design Supply and Installation. Further the Consultant shall support pre-construction phase, construction phase, front-end activities, pre-commissioning, commissioning and taking over of assets, defect liability period and overall project implementation. The detailed TOR shall be provided in the RFP to be issued to short-listed consultants.

II. Owner's Engineer for HVAC Line

Objective

The services of an Owner's Engineer are required for the implementation phase of the CASA-1000 Project for the 475 km 500 KV HVAC Transmission Line (from Datka to Khudjand) traversing the territories of Kyrgyz Republic and Tajikistan. Inside the territory of Tajikistan, a 500KV HVAC transmission line from Regar to Sangtuda is also included (total length 115 km) in the scope of services. The Project Consultant will assist the two implementing agencies of HVAC sections of the CASA-1000 project in construction supervision, support for project implementation, audit and TA. Specifically, the Consultant's support would be needed in the design, construction supervision and commissioning of the 500 KV HVAC line and associated work for the substations.

Scope of services

The scope of services shall include functions of Project Manager defined in the Standard Contract template included in the World Bank's Standard Bidding Document for Procurement of Plant Design Supply and Installation. Further the Consultant shall support pre-construction phase, construction phase, front-end activities, pre-commissioning, commissioning and taking over of assets, defect liability period and overall project implementation. The detailed TOR shall be provided in the RFP to be issued to short-listed consultants.

Based on above the eligible consultants are invited to indicate (separate EOIs for each consultancy contract) their interest in providing the services described above. Interested consultants must provide information indicating that they are qualified to perform the services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc.). Consultants may associate with other consulting firms in the form of a joint venture or a sub-consultancy to enhance their qualifications.

The Consultants are invited to focus on the description of their core business and years in business; Specific Experience similar to the assignment(s) described above, their qualifications in the field of the assignment; the technical and managerial organization of their firm; the general qualifications and number of key staff; absence of conflicts of interest and existence of quality system.

The shortlisting criteria are: eligibility of the firms, General experience of construction supervision of Converter stations & HVDC or HV AC line and substations, experience in similar project (Converter stations and HVDC or HVAC), availability of ISO or other required certificate and quality assurance systems and period the firm been in business.

There will be two separate shortlists for Converter stations & HVDC and HVAC

A consultant will be selected in accordance with the Quality and Cost Based Selection procedures set out in the World Bank's [Guidelines: Selection and Employment of Consultants by World Bank Borrowers](#) (January 2011 edition).

Interested consultants may obtain further information at the IGC – CASA Secretariat (address below) from 09.00 to 16.00 hours between April 30, 2014 and May 23, 2014.

Expressions of interest must be delivered with Russian translation to the address below by 18.00 p.m. Almaty time on May 30, 2014.

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