

# Procurement of Design, Supply and Installation of Primary and Secondary Equipment for selected Substations

Country: Mongolia

Submission date: 13 October 2023

Funding: KfW (BMZ 201465129; BMZ 201665009)

Procurement No.: 510214

Project Title: Energy Efficiency in the Central Transmission and Distribution Network

Contract Title: Procurement of Design, Supply and Installation of Primary and Secondary Equipment for selected Substations

Type of Notice: Tender Notice

Content: The project has two components:

- Primary equipment: Refurbishment of Outdoor Primary Equipment at thirty two (32) substations
- Secondary equipment: Provision of new HMI and SCADA interface at four (4) substations.

## Detailed Design

The Contractor shall submit, a detailed design package, for each substation 60 days prior to start of work at the respective substation to be approved by the client for the following:

- Primary equipment component, covering thirty-two (32) substations.
- Secondary equipment component covering four (4) substations.

## Primary Plant at thirty-two (32) substations

- Dismantling of existing equipment.
- Safe disposal and removal, and relocation of PCB contaminated equipment, and oils, to a client safe storage site, designated by the client.
- Refurbishment / modification / installation of new of civil structures (supports, etc.) where required.
- Manufacture, supply, installation, testing, and commissioning of the following new 35kV /110kV/220kV primary equipment:
  - Outdoor circuit breakers
  - Outdoor Current transformers
  - Outdoor disconnector (with ES)
  - Outdoor Voltage transformers
- Installation of new junction kiosks, and control cabling from the outdoor primary equipment to the associated control panels housed within substation buildings.
- Installation of indoor control panels associated with the new primary equipment, including DC supply panels as required.

## Secondary Plant at four (4) substations

- New local substation HMI based on client input requirements, at four (4) substations
- SCADA interface RTU's at four (4) substations, with full compatibility to communicate with the National Control Centre.

## Safe treatment of PCB contaminated oil and equipment

- All equipment shall be tested for PCB contamination prior to commencement of work on the respective equipment

- Collection, transport, treatment or disposal of PCB containing oils and equipment.

The works should be completed within 760 days. No margin of preference will apply for bidders who offer a shorter completion time.

Bidding will be conducted by means of the International Competitive Bidding procedure with qualification as specified in KfW's Procurement Guidelines ("KfW Guidelines")<sup>1</sup>.

**Submission details:** Bids must be delivered to the address indicated in the clause ITB 22.1 of the bidding document on or before 13 October 2023, 2:00 pm Mongolia time. Late Bids will be rejected.

The bid language is English. Bid validity is 120 days. All Bids must be accompanied by a Bid Security from a reputable Bank. The amount of the Bid security is EURO 200,000.00

In the first public session, only the Technical Bids will be opened in the presence of the Bidders' designated representatives. In the second public session only the financial Bids of those Bidders who have fulfilled the technical requirements as per the tender document will be opened.

**PEA:** Munkhtur G. Secretary of Tender Evaluation Committee,  
Senior Officer of Electrical Division  
Policy Implementation and Coordination Department  
Ministry of Energy  
3<sup>rd</sup> Floor, Room No.304,  
14<sup>th</sup> Governmental Building  
Chinggis avenue, Khan-Uul district,  
Ulaanbaatar – 17060, Mongolia  
E-mail: munkhtur.g@energy.gov.mn

Interested, eligible Bidders may obtain further information from PEA office.

**Contact:** A complete set of bidding documents may be purchased by any interested Bidders on the submission of a written application to the address above and upon payment of a nonrefundable fee of USD 300 (Three hundred US dollars). The method of payment will be direct deposit to the following account.

Account Name: "National Power Transmission Grid" SOSC  
Account No.: 5085194182  
Beneficiary's Bank: KHAN BANK of Mongolia, Ulaanbaatar, Mongolia  
SWIFT code: AGMOMNUB

The document will be provided to registered representative of the Bidders by hard copies and PDF files from the day of Bid issued.

**Remarks:** The bidding documents received from the Purchaser are not transferable.

The Employer will be not responsible for any costs or expenses incurred by Bidders in connection with the preparation or delivery of their Bids.

Bidders must ensure to fulfil any local requirements as may be needed.

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<sup>1</sup> <https://www.kfw-entwicklungsbank.de/PDF/Download-Center/PDF-Dokumente-Richtlinien/FZ-Vergaberichtlinien-V-2021-EN.pdf>