

INVITATION FOR BIDS USING E-PADS

ICB-SCADA-PH-01

“Design, supply, installation, testing, and commissioning / operational of SCADA System Phase-1, including SCADA software, servers, Remote Terminal Units (RTUs), field devices, installation of HMI machines in the control room as per requirements, establishment of a complete communication solution, staff training on the SCADA System for capacity building initiatives, and provision of all fixtures, furniture, desktops, laptops, and other related equipment in the control rooms, along with ancillary equipment for eight grid stations under the jurisdiction of Faisalabad Electric Supply Company (FESCO), based on Engineering, Procurement, and Construction (EPC) through FESCO’s own resources.”

(Complete Solution in all Respects)

“Faisalabad Electric Supply Company (FESCO) is an Electric Distribution Company which supplies Electricity to 08 Districts of the Province Punjab namely Faisalabad, Jhang, T.T. Singh, Chiniot, Sargodha, Khushab, Bhakkar & Mianwali. FESCO network comprises at present 118 No. Grid stations & provision for upcoming Grid Stations and Independent Grid Stations under the jurisdiction of FESCO and 1333 No. 11 KV Feeders. The network operations/rehabilitation are performed through 06 No. Operation Circles, 02 No. Construction Circles, 01 No. M&T Circle & 01 No. GSO Circle. For reliable Power supply to its consumers, FESCO invites bids for Design, Supply, Installation, Testing and Commissioning / operational of SCADA System, based on Engineering Procurement & Construction (EPC) Phase-1 including SCADA software, servers, Remote Terminal Units (RTU), Field devices, Installation of HMI machines in the control room as per the requirements, provision / establishment of complete communication solution, providing staff training on the SCADA System and for establishing and enhancing capacity building initiatives, providing all fixtures, furniture’s, desktop, laptops and other related equipment’s in the control rooms and ancillary equipment for 08 No. Grid Stations under jurisdiction of Faisalabad Electric Supply Company (FESCO) under FESCO’s own Resources to establish a **Supervisory Control and Data Acquisition(SCADA) /Distribution Management System (DMS) Network.**” (Complete solution in all respects).

Detail of 08 No. Grid Stations are as under:

Sr. No.	Name of Grid Station
1.	132-KV Grid Station Old Thermal FESCO.
2.	132-KV Grid Station Tariqabad FESCO.
3.	132-KV Grid Station Jaranwala Road FESCO.
4.	132-KV Grid Station Wan Buchran FESCO.
5.	132-KV Grid Station Bhakkar FESCO.
6.	132-KV Grid Station Sammundari Road FESCO.
7.	132-KV Grid Station Factory Area FESCO.
8.	132-KV Grid Station Faisalabad City FESCO.

Objective of the Project:

The project will implement digital technologies for:

- Automatic fault location, isolation and service restoration.
- Optimal network reconfiguration (ONR) at the substation and feeder level.
- Improve service reliability by reducing outage frequency and duration time
- Reduce electricity losses.
- Power transformer monitoring
- To implement substation automation for remotely controllable and implement functionalities from the control center.
- To Integrate the AMI and GIS systems.

- A redundant communication infrastructure will be put in place to continuously assure the service reliability.

Scope of the Project:

The scope of the Project will be as follows:

- Modern Load dispatch center with required Data, Application and Engineering servers, HMI, Display board and ancillary systems.
- SCADA/DMS System covering 132/11.5KV Network.
- Substation/network adaptation work, including RTU, MDF and transducers etc.
- Power Transformer monitoring.
- Redundant Telecommunication Network.
- Provision / establishment of Communication solution

The scope of work includes **Design, Supply, Installation, Testing, and Commissioning / operational** of:

- SCADA System (Phase-1)
- SCADA software
- Servers
- Remote Terminal Units (RTUs)
- Field devices
- Ancillary equipment
- Delivering complete and comprehensive SCADA solutions.
- Providing staff training on the SCADA System and for establishing and enhancing capacity building initiatives.
- Installation of HMI machines in the control room, as per the requirements
- Provision / establishment of communication system.

The project covers **08 Grid Stations** under the jurisdiction of **FESCO**.

- **Faisalabad Electric Supply Company (FESCO) invites E-Bids on the basis of *International Competitive Bidding (ICB)*. The bidding will be conducted under the *Single Stage – Two Envelope* procedure and will be evaluated on “As a whole tender basis” in accordance with PPRA Rules, 2004 (amended up to date). Eligible participants include Contractors, Firms, Manufacturers, Authorized Dealers, or Joint Ventures who meet the following requirements:**

➤ Eligibility Requirements for International Bidders:

1. Joint Venture Formation for International Firm:

- Bidder must participate as a Joint Venture (JV)/Consortium comprising:
 - One **International Firm** (Lead Partner)
 - One **Locally registered Pakistani firm**
- A **legally binding JV Agreement/MoU** must be submitted, defining:
 - Roles and responsibilities

- Roles and responsibilities
- Percentage share of participation
- Lead Partner designation

2. Lead Partner (International Firm):

- Shall act as Lead Partner and be responsible for:
 - Overall technical compliance
 - Design, manufacturing, and execution of the contract
- Must be legally registered/incorporated in its country of origin.
- Must belong to an eligible country (not under embargo/restriction).
- Minimum **5 years of international experience** in similar projects.
- Must demonstrate proven technical expertise, manufacturing facilities, quality assurance systems, and compliance with international standards.
- Bidders must submit No pending certificate with FESCO otherwise the bidder is declared non responsive.

3. Local Partner (Pakistani Firm):

- Must be registered with **Pakistan Engineering Council (PEC)**, Category C-2 or above.
- Must hold valid specialization codes: **EE03, EE05, EE07**.
- PEC registration must be renewed for **2025–26**.
- Must be **Active registered** with:
 - Punjab Revenue Authority (PRA)
 - Federal Board of Revenue (FBR) with valid NTN
- Must be on the **Active Taxpayer List (ATL)** and provide **Income Tax Returns for last 3 years**.
- Minimum **5 years of relevant local experience** in execution, installation, or support of similar projects.
- Must ensure availability of local after-sales service, trained manpower, and spare parts.
- Bidders must submit No pending certificate with FESCO otherwise the bidder is declared non responsive.

Both International & Local Bidders collectively / jointly must fulfill the following conditions:

- At least **2 contracts in last 10 years**, each worth **Rs. 300 Million**.
- Proof via **Operational Acceptance Certificate** (or equivalent).

4. Financial Capacity:

- Combined JV financial capacity will be evaluated.
- Submit **audited financial statements (last 3 years)**.
- Lead Partner must meet at least **5 Billion** of required average annual turnover.
- The **currency component** shall be considered in **local PKR (Pakistani Rupees)**.
- Bidder must quote the bid price firm and final in PKR.

6. Mode of payments (Both International & Local Bidders):

- **Advance Payment (Mobilization) – 15%**
 - Against **Bank Guarantee**.
 - Purpose: mobilization, initial procurement, project kick-off.
- **Approval of Design – 15%**
 - After detailed design of SCADA/DMS.
- **Supply of Major Equipment / Software Delivery – 30%**
 - After shipment/delivery of SCADA/DMS hardware & software.
 - Verified by inspection reports.
- **Installation & Integration – 20%**
 - After successful installation of equipment and integration with existing systems.
 - Certified by project consultant/authority.
- **Testing & Commissioning – 15%**
 - After site acceptance tests (SAT) and system commissioning.
 - Payment released once performance is demonstrated.
- **Final Acceptance / Retention Release – 5%**
 - Retained until completion of **Defect Liability Period (DLP)** or warranty (usually 24 months).
- *All payments, bid security, performance security and other amounts shall be submitted in PKR and through local Pakistani bank.*

5. Execution & Obligations:

- Local Partner must hold **minimum 25% share** during project execution and commissioning.
- Successful bidder shall:
 - Provide **staff training** and capacity building.
 - Deliver complete and comprehensive **SCADA solutions**.
 - Ensure **communication, integration, upgradability** of SCADA system.
 - Install **HMI machines** in control room as required.
 - Provide **fixtures, furniture, desktops, laptops, ancillary equipment** for control center.

6. Compliance & Integrity:

- Neither partner shall be **blacklisted, debarred, or suspended** by any Government, Semi Government, Autonomous Body, or International Financing Institution.
- All partners must submit valid **Identity Card of Contractor/Managing Partner/Director**.

Eligibility Requirements – Local Pakistani Bidder:

1. Firm Registration & Legal Status:

- Must be a **Pakistani registered firm/contractor/manufacturer/authorized dealer**.
- Must be registered with **Pakistan Engineering Council (PEC), Category C-2 or above**.
- Valid specialization codes: **EE03, EE05, EE07**.
- PEC registration renewed for **2025–26**.
- Bidders must submit No pending certificate with FESCO otherwise the bidder is declared non responsive.

2. Tax & Compliance:

- Active registration with:
 - **Punjab Revenue Authority (PRA)**
 - **Federal Board of Revenue (FBR)** with valid NTN
- Must be on **Active Taxpayer List (ATL)**.
- Provide **Income Tax Returns for last 3 years**.

3. Experience:

- Minimum **5 years of relevant local experience** in execution, installation, or support of similar projects.
- Must have completed at least **2 similar contracts in last 10 years**, each worth at least **Rs. 300 Million**.
- Proof via **Operational Acceptance Certificate (or equivalent)**.
- The offered **SCADA/DMS software** must have been successfully implemented and operational in **at least two (02) companies** engaged in the **power sector** (including distribution, generation, or transmission networks) during the **last five (05) years**.

4. Financial Capacity:

- Submit **audited financial statements (last 3 years)**.
- Must meet required **5 Billion annual turnover**.

5. Execution & Obligations:

- Must ensure:
 - Availability of **local after-sales service, trained manpower, spare parts**.
 - Provide **staff training & capacity building**.
 - Deliver **complete SCADA solutions** with integration & upgradability.
 - Install **HMI machines** in control rooms.
 - Provide **fixtures, furniture, desktops, laptops, ancillary equipment** for control center.

6. **Compliance & Integrity:**

- Firm must not be **blacklisted, debarred, or suspended** by any authority.
- Must submit valid **Identity Card of Contractor/Managing Partner/Director**.

7. **Bid Submission (Both International & Local Bidders):**

➤ **Bid Security:**

- Rs. 40,000,000/-, via CDR/Bank Guarantee.
- Must be uploaded on **E-PADS** and original submitted at bid opening.
- Bid Security valid for **30 days beyond bid validity**.
- Bid validity: **180 days**.
- Submission deadline: **03.03.2026 at 11:30 AM**.
- Technical bids opened same day at **Chief Engineer (Development), PMU FESCO Faisalabad**.
- Only technically responsive bidders qualify for financial bid opening.

8. **Documentation & Compliance (Both International & Local Bidders):**

- Conditional bids not accepted.
- Rates must be in **figures & words**; no overwriting/corrections.
- The **currency component** shall be considered in **local PKR (Pakistani Rupees)**.
- All tender pages must be **numbered, signed, stamped**.
- Certificate required: *“The tender documents consist of page No. 1 to ... pages.”*
- Late bids will be rejected.
- **FESCO reserves the right to reject any or all tenders without assigning any reason, as defined in Clause-33(1) of PPRA Rules-2004 (amended up to 2022).**
- In case of any query, a pre-bid meeting will be held at the office of the Chief Engineer (Development), PMU FESCO.

Note: -

- 1 Original bid security instrument along-with original bid must be submitted to the office of Chief Engineer (Development) PMU FESCO Faisalabad before the online submission deadline of the bid; otherwise, respective bid will not be opened.
- 2 Notification of GRC constituted in terms of Rule-48 of PPRA rules, 2004 is provided on EPDAS at <https://eprocure.gov.pk> and on <http://www.fesco.com.pk>.
- 3 In case of any technical difficulty in using EPADS, prospective bidders may contact PPRA Team, Director MIS Room No.109, 1st Floor, FBC Building Sector G-5/2, Islamabad. Contact Number 051-111-137-237.

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