



ENUGU ELECTRICITY DISTRIBUTION Plc

Expression of Interest to Setup Advanced Metering Infrastructure for EEDC.

Enugu Electricity Distribution Plc (EEDC) is looking for potential and experienced Companies that will provide AMI Software Platform which will be used for the integration of all installed meters.

Detailed Request for Proposals will be issued to bidders that have been prequalified through this EOI process.

Consequently, reputable firms interested in rendering such specialist services to the company are requested to send in their Expression of Interest (EOI) for that purpose.

Objective:

- 1) Stability and Availability of AMI services across EEDC
- 2) Scalability of the platform to meet EEDC expected customer growth.
- 3) Establish an authentic 'single source truth' of metering data for EEDC.
- 4) Identify the customers who exceed their prepaid credits for some reasons so as to control loss of revenue to EEDC.
- 5) Provide visibility and diagnose non communicating meters so as to get full benefits from the investment into smart meters.
- 6) Integration with EEDC's Prepaid Vending platform (i.e., JUICE), Customer Relationship Management System (CRM i.e., ODOO) and other business applications to achieve optimum business process automation.
- 7) Remotely recharge prepaid credits and support customers for addressing any issues like reconnect into the meters.
- 8) Provide the investigative technical insights into meters data to mitigate meter tampers and bypass so as to protect the revenue of EEDC.
- 9) Leverage the huge data being collected from the smart meters by way of providing visual analytics and reports.

Scope of Work:

EEDC invites all perspective bidders to show their intent to implement a best of the breed AMI solution covering but not limiting following scope-

- 1) Detailed business requirements analysis of EEDC.
- 2) Design, engineer, supply, customize, integrate, configure, install, test, commission, user training, administration training, system handover, post-handover warranty and support a robust AMI system to meet the objectives of EEDC as stated in the earlier section.
- 3) The intended AMI system should typically cover –
 - a) **Head End system (HES)** - to acquire the meter data from EEDC's existing and future breed of meters.
 - b) **Communication Monitoring and Diagnose**- to provide online monitoring of meters communication (success/ success) and facilitate diagnose the cause of non-communicating meters.
 - c) **Meter Data Management System (MDMS)** – to maintain and treat the acquired meter data as per standard utility practices and EEDC needs. This meter data must be useful for postpaid billing, prepaid customers, and revenue protection analytics.
 - d) **Dashboard, Analysis and Reports**- to depict various dashboards, analysis and generate EEDC's user specified reports for routine usage and revenue protection.
 - e) **Integration**– integration with EEDC's existing and future breed of meters, prepaid vending system, postpaid billing platform, CRM, CMS, and other systems
 - f) **Cyber Security** – design, supply and implement cyber security for the proposed solution.
 - g) **Deployment**- Deploy the intended solution on EEDC's public cloud platform i.e., IONOS by 1&1 (USA)
- 4) Provide entire solution compliant to industry accepted standards in terms of – protocols, technology, web interface, performance, security etc.
- 5) Should be able to integrate with GIS to bring visibility to field operations using our already mapped network
- 6) Should be able to transmit Energy Readings to a third party, from our feeder meters and Autorecloser meters
- 7) Should be able to detect energy imbalance at injection substations and Distribution transformer meters.
- 8) Should be able to transmit outage information and voltage profile from various injection substations and Distribution substations.
- 9) Integration of HES with present and future breeds of meters is a key success factor to this project. As such the scope invariably includes to integrate all the existing and future breed of panel meters, distribution transformer meters and customer meters. Currently EEDC has an installation base of meters from

MOJEC, ARMES, PROTOGY, MBH, ITRON and L&G. The details of these meters shall be provided by EEDC.

10)The scope also covers setting up and testing of the solution on EEDC's DR site.

11)The scope also covers 1-year post-handover warranty and 3 years of support covering but not limited to- bug fixing, repairs, maintenance, updates, change management of the entire system.

Qualifying Criteria:

- 1) The bidder should either be a reputed original equipment manufacturer (OEM) or should be a system integrator in consortium with OEM. The bidder should attach relevant documents in support of this.
- 2) The bidder should have a proven track record of successful design, integration, and implementation of AMI projects of the scale of handling at least 2 million meters with electricity distribution utilities.
- 3) The bidder should have adequate experience of integration of different breed of meters with the proposed head-end system (HES)
- 4) The bidder should have a sound financial track record for past 10 years.
- 5) The bidder should have proven experience of implementation of similar projects in Africa, preferably in Nigeria.
- 6) The bidder should have well experienced personnel to handle this project that essentially to include- Project/ program manager, HES expert, MDMS expert, Communication expert, Data analyst, Technology expert, Cyber security expert, Utility subject matter expert etc.

EoI Response:

The bidders should respond to this EoI based on their best technical solution to meet EEDC's objectives and the scope of work described in earlier sections. The bidders should also provide all relevant details in support of the qualifying criteria as described in the section earlier. The bidders should also provide any other details in their support.

Mandatory (Without which companies will be disqualified):

Mandatory documents for qualifying for the consideration: -

- 1) Evidence of registration with Corporate Affairs Commission.
- 2) Certified true copies of Memorandum and Article of Association.
- 3) Evidence of payment of tax for the last three (3) years (2017, 2018 and 2019), as at when due (such evidence should reflect the value of the projects undertaken by the Company in the last three (3) years) (2017, 2018 and 2019).
- 4) Certificate of Compliance issued by the National Pension Commission as evidence of fulfilling employer's obligation to employees with respect to pensions.
- 5) Evidence of payment of training contributions to ITF (Industrial Training Fund).

- 6) Evidence of registration with Nigerian Standard Organization as a Manufacturer.
- 7) Audited Accounts for the last three years (2017, 2018 and 2019).
- 8) Company profile showing nature of business, plants and equipment, personnel, product profiles, Health and Safety Policy.
- 9) Reference letter from not less than three clients.

Submission

Applications for EoI accompanied by the relevant documents should also be forwarded in sealed envelope marked at the top left corner and boldly written;

“EoI in respect of Advanced Metering Infrastructure”
and addressed to:

*The Head Procurement department
Enugu Electricity Distribution Plc.
62 Okpara Avenue, Enugu
Enugu State
e-mail: - procurementdepartment@enugudisco.com*

Closing Date

All submissions must be received at the above Office not later than 16.00pm on 16th April 2021.

1. Important Notice

- *Only shortlisted firms will be contacted.*
- *The company reserves the right to reject any or all the responses to this request for EoI.*

Signed

MANAGEMENT