

TECHNICAL SPECIFICATIONS

FOR THE PROCUREMENT OF TEST EQUIPMENT
(AUTOMATED WATT-HOUR METER TEST EQUIPMENT)

A. RATIONALE

The Consumer Affairs Service (CAS) is primarily responsible in handling consumer complaints and ensuring the adequate promotion of consumer interests pursuant to Section 41 of the EPIRA or Republic Act No. 9136. It is also responsible in ensuring the accuracy of watt-hour meters used by all distribution utilities under the jurisdiction of the Commission pursuant to Section 16 (d), (e), (f) and (g) of Commonwealth Act No. 146 otherwise known as the Public Service Act, to wit:

(d) To fix just and reasonable standards, classification, regulations, practices, measurements, or service to be furnished, imposed, observed and followed thereafter by any public service.

(e) To ascertain and fix adequate and serviceable standards for the measurement of quantity, quality, pressure, initial voltage and other condition pertaining to the supply of the products or service rendered by any public service, and to prescribe reasonable regulations for the examination and test of such product or service and for the measurement thereof.

(f) To establish reasonable rules, regulations, instructions, specifications, and standards, to secure the accuracy of all meters and appliances for measurement.

(g) To compel any public service to furnish, safe, adequate and proper service as regards the manner of furnishing the same as well as the maintenance of the necessary material and equipment.

The Automated Watt-Hour Meter Test Equipment would ensure the optimum accuracy of test of kWhr meters with a maximum error limit of two hundredth percent (0.02%). This high accuracy of meter test equipment will ultimately provide consumer protection in terms of accuracy on kilowatt-hour registration of their electricity consumption and meter registration. In compliance with the international meter standard, this test equipment will have an internationally-accredited calibration certificate to maintain its chain of traceability and the necessary accuracy limit.

B. OBJECTIVE

The procurement of this equipment is intended to comply with the international meter standards and for ISO accreditation of the Meter Division in terms of meter standards. For this reason, the Meter Division (MD) endeavored to cause the procurement of an equipment that would automate testing of meters, especially those subject of dispute and/or complaints.

C. RESPONSIBILITIES OF THE WINNING BIDDER

The following are the responsibilities/obligations of the winning bidder:

1. It shall be responsible for the safe-keeping of the items until it reaches the final destinations;
2. Provide After Sales Service and Technical support within seven (7) days for minor issues and within ninety (90) days for major issues;
3. Provide an updated Calibration Certificate traceable to ILAC-MRA;
4. Provide Hands-On-Training for a minimum of five (5) Meter Division Personnel within one month from acceptance, or within two (2) weeks from the lifting of local travel restriction;
5. Coordinate with the ERC General Services Division (GSD) and the Meter Division (MD) at least three (3) days before the date of delivery; and
6. Provide Certificate of Warranty for One (1) Year (at least).

D. RESPONSIBILITY OF THE ERC

1. Acknowledge receipt of item, after testing and acceptance by the ERC Technical Property Inspection Committee (TPIC), including pertinent details such as quantity, date and condition of the items received;
2. Prepare payments due to the Winning Bidder after the delivery to the ERC Main office and acceptance of the item; and
3. Return the Performance bond to the Winning Bidder after it had complied with the requirements.

E. SCHEDULE OF DELIVERY

The Winning Bidder should deliver the Equipment to the ERC Main Office, Pacific Center Building, 33 San Miguel Avenue, Pasig City, within sixty (60) calendar days from receipt of the Notice to Proceed.

F. SPECIFICATIONS OF THE ERC AUTOMATED WATT-HOUR METER TEST EQUIPMENT (0.02%)

1 set Automated Watt-hour Meter Test Equipment

Single Phase Input Power: 100 ~ 250 VAC or wider range (autoranging), 60HZ

Single/Three Phase Precise, Stable Power Output

System Accuracy: 0.02% (worst case)

Measurement Ranges

Current : 10 mA ~ 120 Amps or wider range (programmable)

Voltage : 20 ~ 500 VAC or wider range (programmable)

Power Factor: 0° ~ 359.9° (programmable)

Operating Temperature: (0° ~ 50°C or wider range)

Ability to test ANSI meters

Ability to test IEC meters

Bottom- connected Meter Adapters included (SP & PP)

Sensor/s w/ ability to detect pulses (Visible, Digital, & Ferraris)

Optic Probe/Coupler included

Barcode Scanner/Reader included

Complete Set of Test Cables and Accessories

Removable Reference Standard

Power Supply Cable

Operation Manual (Hard and Soft Copy)

Certificate of Warranty (at least one year)

Updated Calibration Certificate traceable to an International Standard

(to be provided upon delivery of the equipment)

G. MODE OF PROCUREMENT

The procurement shall be undertaken through Public Bidding pursuant to RA No. 9184 and its 2016 Revised IRR.

H. FUND SOURCE and APPROVED BUDGET FOR THE CONTRACT

1. The fund for this engagement shall be sourced from the General Appropriations Act (GAA) for the fiscal year 2020 of the ERC.
2. The Approved Budget for the Contract for the project is **FOURTEEN MILLION PESOS (PhP 14,000,000.00)**, inclusive of all government taxes, and other fees and charges.

I. PAYMENT SCHEME

1. The Total Contract Price which should not exceed the ABC of **FOURTEEN MILLION PESOS (PhP 14,000,000.00)**. Payment shall be released within thirty (30) days after the completion of delivery of the item including the Certificate of Calibration issued by the subject calibration laboratory at the ERC Main office, and final acceptance.
2. Since the above payment shall be subject to the usual government accounting and auditing requirements, the Winning Bidder is expected to be familiar with the Government Accounting and Auditing Manual (GAAM).

J. ACCEPTANCE/REJECTION PERIOD

Testing/Inspection and Acceptance or Rejection: Within fifteen (15) calendar days from the actual delivery date, the ERC authorized representative shall test and inspect the equipment and indicate in the Inspection and Acceptance Report that equipment is in accordance with the required specifications, or if not, indicate in the said Report that there are parts or functionalities that need to be replaced or adjusted. The supplier shall be given a reasonable number of days to make the necessary replacement or adjustment. After which, the ERC authorized representative shall test and inspect the equipment again and either issue an Inspection and Acceptance Report stating that the equipment is in accordance with the specifications, or reject the equipment if it is not found compliant with the required specifications.

K. LIQUIDATED DAMAGES

1. Where the service provider refuses or fails to satisfactorily complete the work within the specified contract time, plus any extension time duly granted and is hereby in default under the contract, the service provider shall pay ERC for liquidated damages, and not by way of penalty, an amount, as provided in the

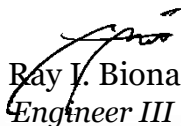
conditions of the contract, equal to one tenth (1/10) of one percent (1%) of the cost of the unperformed portion for every day of delay. The maximum deduction shall be ten percent (10%) of the amount of the contract, of which ERC shall have the discretion to terminate the contract without prejudice to any other action or remedy it may take to recover the losses incurred as a result of the service provider's failure/non-performance, including but not limited to forfeiture of performance security and/or blacklisting of the latter.


2. For entitlement to such liquidated damages, ERC need not prove the damages actually incurred. Said damages in any amount shall be deducted from any money due or which may become due the service provider under the Contract and/or collect such liquidated damages from the retention money or other securities posted by the service provider at the ERC's convenience.


L. RESERVATION CLAUSE

The Energy Regulatory Commission (ERC) reserves the right to reject any and all bids, declare a failure of bidding or not award the contract at any time prior to contract award in accordance with Section 41 of R.A. 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

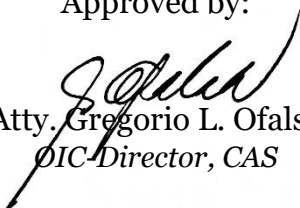
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