

TENDER DOCUMENTS

FOR

**FOR THE PURCHASE OF MACHINERY & EQUIPMENT
AND
ENERGY METER TESTING INSTRUMENTS
DURING FY 2022-23**

**UNDER THE PROJECT
“ESTABLISHMENT OF METER TESTING LAB AND ADDITIONAL
ELECTRIC INSPECTOR OFFICES IN PUNJAB”**



**DIRECTOR TECHNICAL (POWER)
O/o, CHIEF ENGINEER (POWER)
ENERGY DEPARTMENT, PUNJAB
OFFICE: 1st Floor, Central Design Building,
Irrigation Secretariat, Energy Department,
Old Anarkali, Lahore
OFF: TEL: 042-99212794, FAX: 042-99212796.
November, 2022**

**OFFICE OF THE
CHIEF ENGINEER (POWER)
ENERGY DEPARTMENT**

Central Design Building, 1st Floor
Irrigation Secretariat, Old Anarkali, Lahore
(Ph: 99212794, 99212795, Fax: 9212796)
Dated _____ 2022

SECTION-A**INVITATION TO BID**

**TENDER NOTICE FOR THE YEAR 2022-23
SUPPLY OF MACHINERY & EQUIPMENT AND ENERGY METER TESTING INSTRUMENTS
FOR THE SCHEME TITLED
“ESTABLISHMENT OF METER TESTING LAB AND ADDITIONAL ELECTRIC
INSPECTOR OFFICES IN PUNJAB”**

Sealed tenders / bids are invited on single stage, one envelope basis for the Purchase of Items of different lots for the office of **Chief Engineer (Power), Energy Department, Government of the Punjab 1st Floor Central Design Building, Irrigation Secretariat Old Anarkali, Lahore** as listed below. Completed bids in all respect should reach the office on or before **28-11-2022 at 10:30 AM**. The tender will be opened on the same day at **11:00 AM** in the same venue in the presence of bidder's representatives who may like to attend the Bid Opening meeting. Full specification of items alongwith terms and conditions are given in the tender documents.

LOT-1 (Estimated Cost 1.5 Million)

MACHINERY & EQUIPMENT		
Sr. #	Item	Quantity
1	DC Inverter Split Air Conditioners	10

LOT-2 (Estimated Cost 45.6 Million)

ENERGY METER TESTING INSTRUMENTS		
Sr. #	ITEM	Quantity
1	Energy Analyzer	09
2	Power Quality Analyzer	09
3	Digital Earth Resistance Tester	09
4	Digital High Voltage Insulation Tester	09

TERMS & CONDITIONS:

1. The procurement shall be completed in accordance with PPRA rules, 2014 (amended upto date) on a Single-Stage, one Envelop bidding procedure.
2. A complete set of Tender Documents (in English Language) is available in the office of undersigned and can be purchased at the cost of Rs. 1000/- deposited in National Bank of Pakistan on a written request through authorized person of bidder during office working hours (09.00 AM to 05.00 PM) from the date of publication of this Tender on PPRA and Energy Department websites up to one day before the closing day.
3. The lowest technical compliant bidder of Lot # 01 should be in a position to deliver and install the aforesaid items of Lot # 01 in Lahore, Faisalabad, Multan, Islamabad, Bahawalpur, Gujranwala & Sargodha within two months after the award of contract.
4. The lowest technical compliant bidder of Lot # 02 should be in a position to deliver the aforesaid items of Lot # 02 at Lahore within four months after the award of contract.

5. Quoted prices must be inclusive of all applicable taxes and other charges/expenses like handling, loading, and transportation etc. Quoted prices must also be inclusive of cost for the free maintenance of above mentioned items for a period of one year.
6. Quoted price shall be valid for Three (3) months from the opening date of the bids.
7. Income Tax and GST will be deducted as per rules.
8. This office has the right to cancel the tender without assigning any reason thereof as per PPRA rules.
9. The bids shall be submitted in sealed envelope on the following address, clearly showing the name of tender.
10. The Bidder shall furnish as part of his bid, a Call Deposit/Pay Order equivalent to 2% of the total estimated cost for each LOT as Earnest Money crossed in favor of "**Chief Engineer (Power), Energy Department Govt. of the Punjab Lahore**". Any bid not accompanied by Earnest Money shall be rejected without any right of appeal. In case of cancellation of Purchase Order as default of the Supplier the earnest money shall be forfeited in favor of **Chief Engineer (Power) Energy Department Govt. of the Punjab Lahore**. (Earnest Money will be returned/released in case of failure to win the tender).
11. Bidders will quote each LOT separately and can also participate in one or more LOTs.
12. In case of holiday on the closing or opening date, next date shall be considered as closing or opening day, as the case may be.
13. Successful bidder has to deposit 10 % performance security till the expiry of the warranty period.
14. In case any further clarification, please contact the undersigned in office hours.

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O/o, Chief Engineer (Power)
Government of the Punjab
1st Floor Central Design Building,
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SECTION-B

INSTRUCTIONS TO THE BIDDERS

1. Office of the Chief Engineer (Power), Energy Department intends to purchase the Machinery & Equipment (Lot #01) from the Firms / Suppliers / Dealers registered with Sales Tax & Income Tax Departments on the basis of wholesale rates and **Energy Meter Testing Instruments (Lot #02) for office use from the Manufacturer's or Authorized dealers** registered with Sales Tax & Income Tax Departments on the basis of wholesale rates mentioned in this document and as per specifications given at **Annex-A**.
2. In case you are the Registered Firms as mentioned above for the current financial year 2022-23, you are invited to submit your bids for the goods subject to the terms and conditions mentioned below:
 - i. The bidder shall submit a single stage one envelope bid completed, signed, stamped, sealed in conformity with the Tender Documents.
 - ii. The bidder shall be required to quote price of each item of each LOT inclusive of all applicable duties & taxes as mentioned in Annex-A of this Tender Documents.
 - iii. The procurement shall be completed in accordance with Punjab Procurement Rules 2014 (Amended up-to-date) on a Single Stage-One Envelope Procedure.
 - iv. The validity of bid shall be for a period of 90 days from the date of opening of the bids.
 - v. Brand new and original goods of Lot # 01, as per specifications mentioned at **Annex-A** of this tender document shall be supplied and installed in the office of **Chief Engineer (Power), Government of the Punjab 1st Floor Central Design Building, Irrigation Secretariat Old Anarkali, Lahore, Electric Inspector Lahore-I, Electric Inspector-Lahore-II, Electric Inspector Faisalabad, Electric Inspector Multan, Electric Inspector Bahawalpur, Electric Inspector Gujranwala, Electric Inspector Sargodha & Electric Inspector Islamabad (as per quantity mentioned in Annex-A for LOT # 1). However, LOT# 2 shall be supplied (as per quantity mentioned in Annex-A for LOT# 2) in CE(Power) office Lahore only within 120 days from the date of the acceptance of Purchase Order;** otherwise, the bid security shall stand forfeited and the firm shall be blacklisted.
 - vi. All bids should include:
 - a. Company's profile, list of clients with their telephone number and address.
 - b. Brochures and other technical material of the quoted equipment.
 - c. The Call Deposit Receipt/ Pay Order / Demand Draft @2% of the estimated price for each LOT as Bid Security in favour of Chief Engineer (Power), Energy Department, Government of the Punjab 1st Floor Central Design Building, Irrigation Secretariat Old Anarkali, Lahore shall be submitted along with the sealed bid. Any bid not accompanied by Bid Security shall be rejected & disqualified being non-responsive.
 - vii. The estimated price of **LOT-1** is **Rs. 1.5 Million**.

- viii. The estimated price of **LOT-2** is **Rs. 45.6 Million**.
- ix. The bids of the firms / supplier who are not registered with Income Tax and GST Departments shall be rejected and disqualified being non-responsive.
- x. The Bid Security shall be returned to the un-successful bidders upon the award of the Purchase Order to the Successful Bidder.
- xi. The Bid Security of successful bidder shall be released after the submission of performance security.
- xii. The bids not submitted according to the terms & conditions of this Tender Documents or by the time fixed for the receipt of the bids shall not be taken into consideration and shall be returned un-opened to the bidders.
- xiii. The Successful bidder shall furnish a Call Deposit Receipt/ Pay Order / Demand Draft as Performance Security @ 10% of the bid price quoted by the bidder, within a period of Seven (07) days after the receipt of Purchase Order from the procuring agency. Failure of the Successful bidder to submit an acceptable performance security shall constitute sufficient grounds for the annulment of the award of work and forfeiture of the Bid Security.
- xiv. The procuring agency may reject all bids or proposals at any time prior to its acceptance. The procuring agency shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals, but shall not be required to justify those grounds.
- xv. No bidder shall be allowed to alter or modify his bid after the closing time for the submission of his bid. The procuring agency may, if necessary after the opening of the bids, seek and accept such clarifications of the bid as do not change the substance of the bid. Any request for clarification in the bid, made by the procuring agency and its response, shall invariably be in writing.
- xvi. The procuring agency reserves the right not to accept the supply if it is not according to the specifications or does not fulfill the conditions of the Tender Document, or is otherwise substandard or is defective and to demand compensation, withhold payment and proceed to blacklist the firm.
- xvii. The rates offered shall be inclusive of all applicable duties & taxes including handling, loading and transportation / distribution etc.
- xviii. Blacklisted firms are not eligible to participate in this tender.
- xix. All applicable Taxes shall be deducted from the total bid price as per rules & regulations.
- xx. The bids shall be received in the office of Chief Engineer (Power), Energy Department, Government of the Punjab, 1st Floor Central Design Building, Irrigation Secretariat Old Anarkali, Lahore on or before **28.11.2022 at 10:30 AM**. The bid shall be opened by the notified Committee at **11:00 AM** on the closing day on the same venue in the presence of the representatives of the bidders who may choose to attend the bid opening meeting.

- xxi. 100% payment of the total value of the bill/purchase order will be released subject to:
- a) Completion of the delivery and installation of the Air Conditioners in respective offices in case of Lot #1 in accordance with the specifications mentioned in the Purchase Order.
 - b) Completion of the delivery of the equipment and training of technical staff in case of Lot #-2 in accordance with the specifications mentioned in the Purchase Order.
 - c) Submission of CDR (to be issued by any renowned schedule bank) being 10% of the total bid value for the warranty period. Guarantee shall be released after successful completion of warranty period. Failing to submit the Bank Guarantee 10% of the bids value, bidder shall be liable to deposit 10% amount of the bid value with this office which shall be retained till to the successful completion of warranty period.
- xxii. For failure to comply with the delivery schedule of Purchase Order (s), to be issued against this tender documents penalty will be imposed on defaulting Supplier as under:
- a) 1% of the cost of entire purchase order or of such item as remains un-supplied/un-completed for every day up to maximum of 10% for 10 days exceeding the delivery period.
 - b) If the item is not supplied even after payment of penalty for 10 consecutive days Chief Engineer (Power) Energy Department reserves the right to cancel the purchase order and to purchase required equipment from elsewhere at risk and cost of the defaulting Supplier.
- xxiii. The bids of the firms / suppliers / dealers who did not purchase the signed copy of the Tender Documents from the office of the undersigned, shall not be accepted and returned unopened to the bidders.
- xxiv. Bidders will quote each LOTs separately and can also participate in one or more LOTs or whole tender.
- xxv. The successful bidder for Lot # 2 will arrange training of the technical Staff of office of CE(P) and all the eight Electrical Inspector offices in Punjab regarding proper use of instruments.
- xxvi. The successful bidder will arrange a pre-shipment inspection of each LOT of the purchase items by a committee of the procuring agency before dispatch of the said purchase items to respective sites.
- xxvii. In case of violation of any Clause of this Tender Documents, shall make the bidder disqualified.

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O/o, Chief Engineer (Power)
Government of the Punjab
Energy Department
1st Floor Central Design Building,
Irrigation Secretariat Old Anarkali, Lahore
OFF: TEL: 042-99212794, FAX: 042-99212796.

Note:- For Lot # 01 only

As owner(s) of

M/S _____

It is certified that I / We:

- a) Are registered firm / supplier / dealer of the goods quoted.
- b) Accept the terms and conditions as laid down in this Tender Documents and advertisement Tender Notice.
- c) Shall observe all the conditions & rules/regulations framed by Government of the Punjab for the purpose and shall supply the goods as per specifications and the terms & conditions of this Tender Documents.
- d) Supply goods as per specifications given in **Annex-A**.
- e) Purchase the Tender Documents

Signature and Stamp of the Bidder

Note:- For Lot # 02 only

As owner(s) of

M/S _____

It is certified that I / We:

- a) Are manufacturers or authorized dealers of the goods quoted.
- b) Accept the terms and conditions as laid down in this Tender Documents and advertisement Tender Notice.
- c) Shall observe all the conditions & rules/regulations framed by Government of the Punjab for the purpose and shall supply the goods as per specifications and the terms & conditions of this Tender Documents.
- d) Supply goods as per specifications given in **Annex-A**.
- e) Purchase the Tender Documents

Signature and Stamp of the Bidder

LOT-1

MACHINERY & EQUIPMENT		
Sr. #	Description/Specification	Qty
1	<p>DC Inverter Split Air Conditioners</p> <p>18000 BTU (1.5 Ton), Wall mounted type, Voltage level 220-240V (Both heating and Cooling functions) with low voltage support, LED display, Remote Control with air purification system, color white, Auto Restart. 10 Years Compressor Warranty, 4 years electronic PCB Kit warranty, 2 Years Condenser & evaporator coil Warranty, 01 year parts & service warranty. Complete Installation of Air Conditioners (indoor & outdoor unit) alongwith standard piping & wiring of 10 feet at respective offices.</p>	10

LOT-2

ENERGY METER TESTING INSTRUMENTS		
Sr. #	Description/Specification	Qty
1	<p>Energy Analyzer</p> <p>A portable device with the following functions:-</p> <ul style="list-style-type: none"> • Testing of electricity meter installations with single-phase 2 wire, three-phase 3-wire and three-phase 4-wire circuits • Testing of energy and power registers • Power and energy measurement of active, reactive and apparent energy • 4-quadrant measurement • Frequency-, phase angle- and power factor measurement • Harmonic curve analysis for voltage and current up to the 40th harmonics • Distortion factor measurement • Vector diagram display • Curve sampling • Rotary field indication • Selective power measurement • External thermal-printer for presentation of the measuring results at customer site. • Internal Memory upto 8GB • 3 sets of CT's having range 100A, 300A, and 1000A with clamping diameter of minimum 12mm, 52mm and flexible type. • Accuracy class 0.2, Easy and user friendly operation • No additional error for reactive measurement • Scanning head with manual snap switch. • Unique long-term and temperature stability • Driven by powerful rechargeable battery-bank • Internal memory to store measurement results and customer data • Windows based data management software MTV is for evaluation of the test results and test report generation • A complete and light weight meter test set • European/Japanese Origin or equivalent • 2 years warranty 	09

2	<p>Power Quality Analyzer</p> <ul style="list-style-type: none"> It is capable of measuring simultaneous Power & Power Quality measurements, Voltage, Current, frequency, Active & Reactive Power Apparent Power, Active Energy, Reactive energy, Power Factor, neutral Current, Transients, Harmonics, Voltage Quality Dip/ Interruption. Digital output function with USB connection for PC communication & window software for data analyses option & Bluetooth alongwith all allied cables & accessories. European/Japanese Origin or equivalent 2 years warranty 	09
3	<p>Digital Earth Resistance Tester</p> <ul style="list-style-type: none"> Digital Earth Leakage clamp Tester capable of measuring earth Resistance from 0.05 to 1500 ohm without the auxiliary earth spikes in multi earth systems. Capable of measuring True RMS leakage or please current leadings from 0.01 mA to 30 A Memory function upto 100 data entries Bluetooth communication Must be interfaced with android devices equipped with Bluetooth / GPS / Data communication function. European/Japanese Origin or equivalent 2 years warranty 	09
4	<p>Digital High Voltage Insulation Tester</p> <p>It is capable of measuring insulation resistance upto 35 Tera ohms with Multi Test rated Voltage Ranges upto 12KV.</p> <ul style="list-style-type: none"> Including all allied accessories i.e. HV line probe of minimum 5 meter, Earth & Guard Cords, extension prod & main cord. PC software for downloading & Interpreting of data and USB cable. European/Japanese Origin or equivalent 2 years warranty 	09

DETAIL OF MACHINERY AND EQUIPMENT SUPPLIES AT DIFFERENT OFFICES FOR LOT -1

Particulars	C.E.P	EIL-I	EIL-II	EIG.	EIF.	EIM.	EI.Isd	EI.Sgd	EI.Bwp	Total
DC Inverter Split Air Conditioners	2	1	1	1	1	1	1	1	1	10

ABBREVIATIONS

Sr #	Abbreviation	Detail
1	C.E.P	Chief Engineer (Power).
2	EIL-I	Electric Inspector Lahore Region-I, Lahore.
3	EIL-II	Electric Inspector Lahore Region II, Lahore.
4	EIG	Electric Inspector Gujranwala Region, Gujranwala.
5	EI.Isd	Electric Inspector Islamabad Region, Islamabad.

6	EI.Sgd	Electric Inspector Sargodha Region, Sargodha.
7	EIF	Electric Inspector Faisalabad Region, Faisalabad.
8	EIM	Electric Inspector Multan Region, Multan.
9	EI.Bwp	Electric Inspector Bahawalpur Region, Bahawalpur.

FORM OF BID

Date: _____ / _____ /2022

Tender No. _____

**Director Technical (Power)
O/o, Chief Engineer (Power)
Government of the Punjab
Energy Department
1st Floor Central Design Building,
Irrigation Secretariat Old Anarkali, Lahore
OFF: TEL: 042-99212794-95, FAX: 042-99212796**

Gentlemen,

1. Having examined the terms & conditions to Tender Notice and Specifications of goods / supplies mentioned at Annex-A of the Tender Documents bearing No. _____ dated _____/2022, the receipt of which is hereby acknowledged we, the undersigned, offer to supply and deliver all items in conformity with specifications mentioned in tender documents and conditions of Tender for the sum of Rs. _____/-including GST for all tender items (Rupees _____ in words) for LOT _____.
2. Our bid price shall be valid for a period of 90 days from the date of opening of Bid.
3. The validity of Bid Security shall be as per Tender Documents.
4. If our Bid is accepted, we shall deliver the required items mentioned in the tender documents within prescribed period from the date of acceptance of Purchase Order.
5. We agree to abide by the terms & conditions of the Tender from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Until a formal Purchase Order(s) is placed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

Dated this _____ day of _____ 2022.

Signature _____ in the capacity of _____ duly authorized to
sign bids for and on behalf of

(Name of Bidder in Block Capitals)

Complete address: _____

Fax No. _____ Telephone No. _____

(Signature & Stamp)

WITNESS:

1) _____

2) _____