



NATIONAL INSTITUTE OF ELECTRONICS
Ministry of Science & Technology
Government of Pakistan
17, H-9, Islamabad



Tel: 051-9265009-13 (Ext: 217)

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TENDER NO. 03/2020-21/NIE

MISC. EQUIPMENT I.E. PRECISION RESISTANCE, MIXED SIGNAL/ DIGITAL STORAGE OSCILLOSCOPE, DIGITAL EARTH/ GROUND RESISTANCE TESTER, VOLTAGE STABILIZER/ AUTOMATIC VOLTAGE REGULATOR, INSTALLATION AND COMMISSIONING OF ISOLATION TRANSFORMER AND EARTHING PIT FOR COTC-EP LAB

S. No.	Name of Item	Qty	Unit Price	Total Price
1	<p>Precision Resistance Box with standard accessories and following specifications:-</p> <p>Make: EU/USA origin (IET/ Fluke/ HP/ Agilent or any Equivalent renowned manufacturer)</p> <p><u>Specifications:-</u> The quoted device shall be able to provide the resistance range from 1 Ω to 10 MΩ adjustable with following specifications:</p> <ul style="list-style-type: none">• Accuracy of 0.5% or above/better• Power Rating 0.5 Watts or equivalent/better• Resolution: 1Ω or above/better• Residual Resistance < 0.40 Ω or better/above• The required range can be in one unit or 2 units covering the entire range with better/equivalent accuracies & shall be separately quoted (If any).• Any Other additional/ better specification/options etc. would be preferred.• Calibration certificate ISO 17025 accredited would be preferred (Local/International Lab)• The price of product and calibration certificate shall be separately quoted.	02 Nos.		
2.	<p>Mixed Signal/ Digital Storage Oscilloscope with standard accessories and following specifications:-</p> <p>Make: EU/USA origin (Rigol/ Fluke/ HP/ Agilent or any Equivalent renowned manufacturer)</p> <p><u>Specifications:-</u> Operating voltage 220 volts at 50Hz with necessary fuse protection & with following specifications:</p> <ul style="list-style-type: none">• 2 Analog Channel+ 16 Digital Channel or better.• Analog bandwidth: 150 MHz or better• Sample rate: 4 GSa/s or above/ better• Waveform Capture Rate >300,000 wfms/s or better.• Power analysis function shall be separately	01 No.		

	<p>quoted.</p> <ul style="list-style-type: none"> • 1x, 10x and 100x probe must be included in package. • Built-in Digital Voltmeter • 6-digit frequency counter + totalizer • 9-inch capacitive multi-touch screen, 256-level intensity grading display, with color persistence • USB HOST&DEVICE, LAN(LXI), HDMI, TRIG OUT, and USB-GPIB or better. • Calibration certificate ISO 17025 accredited would be preferred (Local/International Lab) • The price shall include standard accessories i.e. Passive Probes, (One per channel), Power Cord, USB Cable. • Any Other additional/better specification/options etc. would be preferred. • Price be separately quoted for Oscilloscope, additional accessories, and ISO 17025 calibration certificate. 			
3.	<p>Digital Earth/ Ground Resistance Tester with standard accessories and following specifications:-</p> <p>Make: Any renowned manufacturer like UNI-T, kyoritsu, Hp or Equivalent</p> <p>Specifications:- Handheld Earth Resistance Tester should be capable to measure resistance of earth/ ground accurately with following specifications:</p> <ul style="list-style-type: none"> • 2/3/4-wire measurements for different on-site applications etc. • Low Resistance measuring range of 4 Ohms or better for measurement of low value resistances like 0.1 Ohms etc. accurately. • Calibration certificate ISO 17025 accredited would be preferred (local lab). • Any additional function would be an added advantage 	01 No.		
4.	<p>Voltage Stabilizer/ Automatic Voltage Regulator (AVR) with standard accessories and following specifications:-</p> <p>Make: APC/ IPC or any Equivalent renowned manufacturer</p> <p>Specifications:- Voltage Stabilizer/ Automatic Voltage Regulator should be capable to provide stable voltage such as 220 V AC @ 50 Hz with necessary protection with following specifications:</p> <ul style="list-style-type: none"> • Single phase and rated @ 8 kVA or better • Output Voltage accuracy: $\pm 3\%$ or better • Input Voltage range: 190 to 250 V AC • Selective output range • Price shall be quoted with Installation in laboratory 	01 No.		

	<p>premises.</p> <ul style="list-style-type: none"> • Any Other additional/better specification/options etc. would be preferred. 			
5.	<p>Installation and Commission of Isolation Transformer (10 KVA) with standard accessories and following specifications:-</p> <p>Make: Any renowned manufacturer</p> <p><u>Specifications:-</u> Installation and Commission of Isolation Transformer (10 kVA) inside laboratory premises to power up Electrical safety and Electromagnetic capability testing benches including all necessary terminations, wirings, breakers, safety devices etc.</p>	01 No.		
6.	<p>Development of Earthling Pit with following standard specifications:-</p> <p>Make: Any renowned manufacturer</p> <p><u>Specifications:-</u> Development of Earthling pit</p> <ul style="list-style-type: none"> • Depth: 50 feet and above (to achieve water level) • Copper Rod OR Plate: 75 mm or better <p>Including all wiring, terminations, etc.</p>	01 No.		



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TERM & CONDITIONS:

1. Price to be quoted in Pak Rupees on (FOR) free home delivery basis.
2. As the equipment/ items to be procured are based on high tech technology therefore for competitive bidding single stage-two envelopes bidding procedure shall be adopted.
 - (i). the bid shall be comprised a single package containing two separate envelopes, containing separately “**TECHNICAL PROPOSAL**” and “**FINANCIAL PROPOSAL**”.
 - (ii). the envelope shall be marked as “**TECHNICAL PROPOSAL**” and “**FINANCIAL PROPOSAL**” in the bold, properly sealed and with legible letters to avoid any confusion.
 - (iii). initially the envelope marked with “**TECHNICAL PROPOSAL**” shall be opened.
 - (iv). the envelope marked with “**FINANCIAL PROPOSAL**” shall be retained in the custody of NIE without being opened.
 - (v). upon evaluation of technical proposals, NIE shall publically open the financial proposal of the technically accepted bids only. The financial proposal of the bids found technically rejected shall be returned un-opened to the respective firms.
3. The bids of the firm operating from their residential address and P.O. Box number will not be considered.
4. Tender number must be specified on the left corner of the bidding envelope.
5. The rates should be valid for at least “**90**” days from the date of tender opening.
6. The offered equipment/ items must be brand new of the original manufacturer and covered under normal warranty/guarantee with necessary back-up support.
7. The bid must be supported with necessary catalogue/ brochure indicating make, model detailed specification and country of origin of the offered equipment.
8. The scope of supplies includes supply of equipment, installation, testing and commissioning of equipment and if necessary training to NIE Personnel's.
9. The financial bid should reflect at sight the following costs separately for fair comparison purpose.
 - i. Unit Price of equipment.
 - ii. GST, if applicable.

10. Conditional/ ambiguous bids will not be entertained.
11. Earnest money @ 2% of quoted prices (Refundable) must be accompanied with tender in shape of a crossed bank draft/ pay order in favour of the Director General NIE.
12. E/M of the successful bidder will be refunded upon submission of prescribe performance/ bank guarantee to NIE and the same shall be released after satisfactory completion of warranty/ guarantee period of the supplied goods.
13. The successful bidder shall provide 5% performance/ bank Guarantee of the total order value of the order to NIE for satisfactory execution of the supply order.
14. The bid found to be lowest evaluated bid shall be accepted only either overall whole tender/items base or each item wise.
15. The estimated delivery/ completion period of supplies/ work must be specified in the quotation.
16. In case of any delay in supplies of ordered items, the successful bidder shall bound to inform NIE to prior to "15" days of the ending of last date of delivery, so that necessary approval regarding extension in delivery period may be obtained from Director General NIE otherwise at the time of payment to firm a penalty @ 2% per month of the total order value will be charged from the successful bidder without any notice.
17. Tender of all items may be awarded either to a single party or can be divided among different parties depending upon their professional capabilities and competitiveness in prices individually.
- 18. No advance payment will be made.**
19. NTN and GST number must be mentioned on the quotation along with providing copy of its documentary evidence, failing which bid will not be considered.
20. Payment will be made on submission of the prescribed bill in duplicate through crossed cheque OR through Inland L/C after satisfactory completion of supply order and our acceptance thereof, which includes installation, testing, commissioning of the equipment and training etc. The bill presented on the letterhead of the firm will not be accepted for payment purpose.
21. As per Government Policy payment to the firm is subject to the registration of firm name in **Active Tax Payer List of FBR**, otherwise payment will be stopped till the appearance of vendor name in ATL of FBR.
22. Income Tax/ Sales Tax etc. will be deducted from bill as per Govt. Rules.
23. Last date for receipt of the tender in the Procurement Section of NIE is **November 23, 2020 up to 11:00 hours**. Technical proposals of the received firms shall be opened on the same day at **11:30 hours** in the presence of those who wish to be present. Tenders received late will not be considered in any case.
24. The Director General NIE reserves the right to accept or reject any or all tenders in part or whole, or change the quantity of tendered items as per provision of PPRA Rules.

Muhammad Umair Habib
Dy. Director Procurement
NIE, Islamabad
Ph: 051-9265009 (Ext: 217)