



NATIONAL INSTITUTE OF ELECTRONICS
Ministry of Science and Technology
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TENDER NO. 11/2021-22/NIE

**PROCUREMENT OF MISC. EQUIPMENT, PARTS, TOOLS AND ACCESSORIES FOR
COMMUNICATION LAB**

S #	Name of Items	Qty	Unit Price	Total Price
1.	Resistor 10K Make: Any Renowned Manufacturer	100		
2.	Variable Resistor 10K Make: Any Renowned Manufacturer	30		
3.	Resistor 1 K Make: Any Renowned Manufacturer	100		
4.	Relay, SSR (2A, 5A) Make: OMRON or Equivalent	30		
5.	PIR Sensor Make: Any Renowned Manufacturer Part No. HC-SR501 OR Equivalent	30		
6.	Fuse Holder with 10 AMP Fuse Make: Any Renowned Manufacturer	30		
7.	Power Supply 5 Volt Make: HILINK or Equivalent	30		
8.	D1 Mini Make: Any Renowned Manufacturer	30		
9.	Transistor 2N2222 Make: Any Renowned Manufacturer	30		
10.	T Block, 2 Pin Make: Any Renowned Manufacturer	60		
11.	Casing Box for Android device Make: Any Renowned Manufacturer	30		
12.	Casing Box for touch panel Make: Any Renowned Manufacturer	10		
13.	Miscellaneous (Cables, Plugs, Screws, etc.) Make: Any Renowned Manufacturer	30		
14.	Battery Lithium Ion, 12V 3 Amp Make: Any Renowned Manufacturer	15		
15.	Charge Controller, 12V 6 Amp Make: Any Renowned Manufacturer	01		

PART-B

S. #	Name of Items	Qty	Unit Price	Total Price
1.	Google Home min – Smart Speaker Make: Google OR Equivalent Specification: <ul style="list-style-type: none">• Wireless• Part No. Home mini	01		
2.	Transistor Make: Any Renowned Manufacturer Specification: <ul style="list-style-type: none">• 2N2222• Through hole• Part # 2N2222	30		
3.	Transistor Make: Any Renowned Manufacturer Specification: <ul style="list-style-type: none">• 2N2222• SOT-23 package• Part # 2N2222-ST0 23	30		
4.	IC ATmega 328 TQFP Make: Any Renowned Manufacturer Specification: <ul style="list-style-type: none">• ATmega 328• TQFP package• Part # ATmega 328 TQFP	30		
5.	PIC16F690 Make: Any Renowned Manufacturer Specification: <ul style="list-style-type: none">• Part:PIC16F690• Part # PIC16F690	30		
6.	Power Supply Make: Any Renowned Manufacturer Specification: <ul style="list-style-type: none">• 220V AC to 5 V DC• Power upto 3Watt	30		
7.	ESP-12E Make: Any Renowned Manufacturer Specification: <ul style="list-style-type: none">• ESP-12F Serial WIFI Wireless Module	30		

8.	Relay Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 20A • SSR • Miniature Size • PCB Mount • Input Voltage : 5VDC 	30		
9.	Relay Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 15A • SSR • Miniature Size • PCB Mount • Input Voltage : 5VDC 	30		
10.	Fuse Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 10A • Cartridge glass • Fast acting 	30		
11.	Fuse Holder Clip Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Compatible with 10A fuse • PCB mount/Through hole 	100		
12.	Resistor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 1K • SMD 	100		
13.	Resistor Make: Any Renowned Manufacturer Specification <ul style="list-style-type: none"> • 330 • SMD 	100		
14.	Resistor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 1M • SMD 	100		

15.	Resistor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 22K • SMD 	100		
16.	Resistor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 10K • SMD 	100		
17.	Resistor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 4.7K • SMD 	100		
18.	Resistor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 39K • SMD 	100		
19.	Electrical Extension Board Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Export Quality • Length : 3 Meter 	02		
20.	Male Header Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 40 Pin • 0.1 inch spacing 	10		
21.	Female Header Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 40 Pin • 0.1 inch spacing 	20		
22.	Three pin multi plug Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • G type input, Multi output plug 	05		

23.	LED RGB Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Size:3mm 	50		
24.	USB data Cable Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • USB to OTG 	02		
25.	Component Rack Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 24 drawers or close • Black frame • Transparent drawer 	01		
26.	Screw with Nut Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Size: M3X30 • Box 	01		
27.	Screw with Nut Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Size: M3X8 • Box 	01		
28.	Washer Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Size: M3 	50		
29.	Current Sensor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Part :AC714 • Package: 	30		
30.	Capacitor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 0.1uF • SMD 	30		

31.	Capacitor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 1uF • SMD 	30		
32.	Capacitor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 1nF 	30		
33.	Capacitor Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • 47uF • SMD 	30		
34.	Op-Amp Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Part: LM358 	30		
35.	Bridge Rectifier Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Part: W08G 	30		
36.	Push Button Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Type: Momentary 	30		
37.	IC EEPROM Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Part: 24c256 	30		
38.	Voltage Regulator Make: Any Renowned Manufacturer <u>Specification:</u> <ul style="list-style-type: none"> • Part: LM1117 • Output: 3.3V 	30		
39.	15A Universal Smart Plug - 3 PIN Make: Any Renowned Manufacturer	01		

	<p><u>Specification:</u></p> <ul style="list-style-type: none"> • Wifi& RF supported • 15 A • Part # : OS-USP-316-20 			
40.	<p>Customize Plug Casing – Screw Type</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specification:</u></p> <ul style="list-style-type: none"> • Size: 3.5 X 1.7 X1.5 (Inch) • Shape : Rectangle with curved edges • Input : 3 pin male • Output : 3 pin female universal • External Fuse • External button • Screw type • Further requirements can be provided 	15		
41.	<p>Customize Plug Casing – Sealed Type</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specification:</u></p> <ul style="list-style-type: none"> • Size: 3.5 X 1.7 X1.5 (Inch) • Shape : Rectangle with curved edges • Input : 3 pin male • Output : 3 pin female universal • External Fuse • External button, Sealed type • Further requirements can be provided 	15		
42.	<p>Android Application – Internet</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specification:</u></p> <ul style="list-style-type: none"> • Internet based application • One button to send on/off on Google firebase server • On/off through timer • On/off through scheduler • Energy monitoring • Hosted on Google application store • Further requirements can be provided 	01		
43.	<p>Android Application – LAN</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specification:</u></p> <ul style="list-style-type: none"> • WiFi Based application – no Internet • One button to send on/off on LAN • On/off through timer • On/off through scheduler • Energy monitoring • Hosted on Google application store • Further requirements can be provided 	01		



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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. **Non-Blacklist Affidavit/ Certificate** confirming that bidder has never been blacklisted by any government organization.
11. Conditional/ ambiguous bids will not be entertained.
12. 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.
13. 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.

14. NIE may ask the successful bidder to provide 5% performance/ bank Guarantee of the total order value of the order to NIE for satisfactory execution of the supply order.
15. The bid found to be lowest evaluated bid shall be accepted only either overall whole tender/items base or each item wise.
16. The estimated delivery/ completion period of supplies/ work must be specified in the quotation.
17. 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.
18. 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.
- 19. No advance payment will be made.**
20. 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.
21. Payment will be made on submission of the prescribed bill in duplicate through crossed cheque after satisfactory completion of supply order and our acceptance thereof, which includes installation, testing, commissioning of the equipment and training etc.
22. 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.
23. Income Tax/ Sales Tax etc. will be deducted from bill as per Govt. Rules.
24. Last date for receipt of the tender in the Procurement Section of NIE is **November 22, 2021 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.
25. 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.

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