



NATIONAL INSTITUTE OF ELCTRONICS
Ministry of Science and Technology
Government of Pakistan
17, H-9, Islamabad



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

Fax: 051-9260527

TENDER NO. 10/2021-22/NIE
PROCUREMENT OF MISC. EQUIPMENT, PARTS, TOOLS AND ACCESSORIES FOR IOT
BASED SMART LED LIGHTS - SMT LAB

S. #	Name of item	Qty	Unit Price	Total Price
1	LED 2835, 0.5 watt with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> <ul style="list-style-type: none">❖ C-T 6000 Natural White❖ 110-130 Lumens/watt❖ 3000 Pcs/ Real	1		
2	LED 2835, 0.5 watt with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> <ul style="list-style-type: none">❖ C-T 3500-4000 Warm white❖ 110-130 Lumens/watt❖ 3000 Pcs/ Real	1		
3	LED 2835, 1 Watt with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> <ul style="list-style-type: none">❖ C-T 6000 White❖ 110-130 Lumens/watt❖ 3000 Pcs/ Real	1		
4	LED 2835, 1 Watt with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> <ul style="list-style-type: none">❖ C-T 3500-4000 Warm white❖ 110-130 Lumens/watt❖ 3000 Pcs/ Real	1		
5	Solder Paste with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> <ul style="list-style-type: none">❖ RMA 20-21T, 500g Jar	2		
6	IPA with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u>	1		

	❖ Lab grade 99% gravity 2.5 Liter Bottle Fine Quality			
7	Solder Flux with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Medium Quality ❖ 450 gram packing	1		
8	Solder Flux fine quality Make: Any Renowned Manufacturer	1		
9	Soldering Wire with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ 60/40 0.8mm ❖ Fine quality	1		
10	Soldering wick fine quality Make: Any Renowned Manufacturer	2		
11	Surgical Gloves fine quality Make: Any Renowned Manufacturer	1 Box		
12	Heat Sink Compound Pack of "01" Kg Make: Any Renowned Manufacturer	1		
13	Lab Coats with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ White (Medium)	6		
14	Lab Coats with following detail:- Make: Any <u>Specifications</u> ❖ White (Large)	6		
15	Slippers Size 9(42) Make: Any Renowned Manufacturer	6		
16	Slippers Size 10(44) Make: Any Renowned Manufacturer	6		
17	First Aid Kit (Lab Standard) Make: Any Renowned Manufacturer	1		
18	Silicon Sticks for Glue gun Make: Any	10		
19	Magnifying Glass (Hand Held) Make: Any Renowned Manufacturer	1		

20	Pneumatic Pipe (8mm x 5mm) Make: Any Renowned Manufacturer	50m		
21	Drill bits Set for metal work (2mm to 10mm) Make: Any Renowned Manufacturer	2		
22	Cable ties, Size: 6" Make: Any Renowned Manufacturer	2 Pack		
23	Cable ties, Size: 10" Make: Any Renowned Manufacturer	2 Pack		
24	JST 2 pin DC Connectors Male (White wire) Make: Any Renowned Manufacturer	200		
25	JST 2 pin DC Connector Female(White wire) Make: Any Renowned Manufacturer	200		
26	Paper Cutters With blades set Make: Any Renowned Manufacturer	2		
27	Lint Free dusters 15 x 15 Inch (Non-Woven fabric lint free) Make: Any Renowned Manufacturer	10		
28	Led Driver with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ 8-12 watt ❖ Ac input 90-260V ❖ Output Voltage ❖ 25-42V ❖ Output Current 300mA	200		
29	Extension Boards with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Long Cord, Pure Copper	6		
30	Vernier Caliper Small Digital, Size: 6" Length Make: Any Renowned Manufacturer	2		
31	Hard Disk 1TB Make: Any Renowned Manufacturer	1		
32	Solder Sucker, fine quality Make: Any Renowned Manufacturer	3		
33	Glue Gun fine quality Make: Any Renowned Manufacturer	1		
34	Optical Mouse, fine quality Make: Any Renowned Manufacturer	3		



35	VGA Cables, fine quality Make: Any Renowned Manufacturer	3		
36	TP Link, Wi-Fi Dongle, fine quality Make: Any Renowned Manufacturer	1		
37	Capacitor 1uf, 63-100V with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality	50		
38	Capacitor 2.2uf, 63-100V with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality	25		
39	Capacitor 3.3uf, 63-100V with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality	25		
40	Capacitor 4.7uf, 63-100V with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality	25		
41	Capacitor 6.8uf, 63-100V with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality	10		
42	Capacitor 10uf, 63-100V with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality	50		
43	Capacitor 22uf, 63-100V with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality	10		

44	<p>Capacitor 33uf, 63-100V with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality 	10		
45	<p>Capacitor 47uf, 63-100V with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality 	50		
46	<p>Capacitor 100uf, 63-100V with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality 	50		
47	<p>Capacitor 220uf, 63-100V with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality 	20		
48	<p>Capacitor 330uf, 63-100V with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality 	20		
49	<p>Capacitor 470uf, 63-100V with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality 	30		
50	<p>Capacitor 1000uf, 63-100V with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality 	10		
51	<p>Capacitor 2200uf, 50V with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality 	10		

52	Capacitor 3300uf, 50V with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ Electrolytic, Low ESR, Low Leakage, Fine Quality	10		
53	Wire stripper Standard Make: Any Renowned Manufacturer	2		
54	Soldering Iron with stand with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ 60 Watt, pointed tip	6		

PART-B

S. #	Name of item	Qty	Unit Price	Total Price
1.	7 Watt Led Light False ceiling square fixture with acrylic diffuser with following detail:- Make: Any Renowned Manufacturer <u>Specifications</u> ❖ White , Aluminium die casted, powder coated paint, ❖ Dimensions: Inner length & width (1.2 Inches x 1.2 Inches), Outer length & width (5.4 Inches x 5.4 Inches) with mounting clips	75		

2.	<p>7 Watt Led Light False ceiling square fixture with acrylic diffuser with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ <u>Black</u>, Aluminium die casted, powder coated paint, ❖ <u>Dimensions: Inner length & width</u> (1.2 Inches x 1.2 inches), <u>Outer length & width</u> (5.4 Inches x 5.4 Inches) with mounting clips 	75		
3.	<p>12 Watt Led Light Wall mounted square fixture with acrylic diffuser with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ <u>White</u>, Aluminium die casted, powder coated paint, ❖ <u>Dimensions: Inner length & width</u> (2.3 Inches x 2.3 Inches), <u>Outer length & width</u> (6.3 Inches x 6.3 Inches) with mounting clips 	50		

4.	<p>12 Watt Led Light Wall mounted square fixture with acrylic diffuser with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Black, Aluminium die casted, powder coated paint ❖ <u>Dimensions: Inner length & width</u> (2.3 Inches x 2.3 Inches), <u>Outer length & width</u> (6.3 Inches x 6.3 Inches) with mounting clips 	50		
5.	<p>12 Watt Led Light False ceiling round fixture with double acrylic diffuser with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ <u>White</u> Aluminium, die casted, powder coated paint with 1 Transparent and 1 milky diffuser ❖ <u>Dimension: Inner diameter</u> 3.4 Inches, <u>Outer diameter:</u> 5.4 Inches 	100		

6.	<p>12 Watt Led Light False ceiling round fixture with double acrylic diffuser with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ Black Aluminium, die casted, powder coated paint with 1 Transparent and 1 milky diffuser ❖ <u>Dimension: inner diameter</u> 3.4 Inches, Outer diameter: 5.4 Inches 	100		
7.	<p>12 Watt Led Light False Ceiling Round Fixture with acrylic diffuser with following detail:-</p> <p>Make: Any Renowned Manufacturer</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> ❖ White with powder coating ❖ <u>Dimension: Inner diameter</u> 3.9 inches, Outer diameter 5.4 inches 	50		



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



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

Fax: 051-9260527

TENDER NO. 10/2021-22/NIE

**PROCUREMENT OF MISC. EQUIPMENT, PARTS, TOOLS AND ACCESSORIES FOR IOT
BASED SMART LED LIGHTS - SMT LAB**

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.

GUL HAYAT KHAN
Dy. Director Procurement
NIE, Islamabad
Ph: 051-9265009 (Ext: 217)