



GIK INSTITUTE OF ENGINEERING SCIENCES AND TECHNOLOGY

REQUEST FOR QUOTATION

Sealed quotations, in Pak rupees on D.D.P basis, are invited from registered suppliers/authorized dealers/distributors and manufacturers for supply of the following items:

S#	Item Description	Annexures
1.	Consumable Materials	Detail attached at Annexure- A
2.	Lab Equipment	Detail attached at Annexure- B
3.	Electronics Equipment	Detail attached at Annexure- C

Interested parties are requested to keep following points into consideration before submitting their quotations.

- Your quotations must be delivered to the office of the undersigned on or before **Tuesday, June 06, 2023, at 2:30 PM**. Any quotation received later than the scheduled date and time will be rejected and returned unopened.
- All quotations must be valid for a period of Thirty (30) days from the closing date of the Request for Quotation.
- The quotation shall be completed and signed by an authorized representative of the supplier.
- The quoted price should include all applicable Govt taxes.
- Delivery will be made to GIK Institute, Topi, Swabi.
- Payment will be made within 2-3 weeks after acceptance of the items subject to deduction of taxes as per law.
- In the case of any arithmetical discrepancy between the unit rate and the total amount quoted, then the unit rate shall prevail both for the evaluation of quotations and for the subsequent purchase order.

Assistant Director, Procurement Department, GIK Institute, Topi, Swabi (KP)

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ANNEXURE-A

S#	Item Description	A/C Unit	Qty
1.	Silicon Oil (Viscosity 10 cSt)	No.	01
2.	Teflon TM AF 1601 (6% solution in Fluorinert [®] FC-40)	No.	01
3.	Grafting Tape and double-sided adhesive tape	Each	02
4.	Solder mask (PCB coating ink)	No.	01
5.	PDMS (Dow SYLGARD TM 0.5 kg)	No.	02
6.	Wrapping sheet (Food wrapping sheet)	No.	02
7.	Conductive Ink (silver ink)	Packs	02
8.	Conductive Ink (carbon ink)	Packs	02
9.	Pipette and Tips (0.5-10 μ l and its tips)	No.	01
10.	Gloves and tissues (Disposable Latex Gloves-Medium 100-piece box)	Box (each)	01

ANNEXURE-B

S#	Item Description	A/C Unit	Qty
1.	Spin Coater: PK-SC-A SC-A Spin coater can provide controlled rotary speed instantly, growing thin film by coating liquid and sol-gel on the substrate. Stainless steel Rotor Clear acrylic top cover Speed adjustable Vacuum holding with no leak seals	Nos	01

ANNEXURE-C

S#	Item Description	A/C Unit	Qty
1.	ITO coated glass Slides (8cm x8cm)	Packs	10
2.	Microcontroller Arduino Uno	Nos.	3
3.	Microcontroller Arduino Mega	Nos.	2
4.	Microcontroller ESP32 D	Nos.	5
5.	Data Acquisition Card (National Instrument USB-6001 or similar specifications) (Specifications attached at Annexure-D)	Nos.	01
6.	Data cable (micro-USB)	Nos.	5
7.	MOSFET (IRF 840 N (500V 8A))	Nos.	100
8.	Jumper wires bundle (male to male (10 bundles), male to female (10 bundles) female to female (10 bundles)	Nos.	30
9.	Packs of multiple resistors	Nos.	10
10.	Resistors 100k ohms	Nos.	100
11.	Variable resistor (1K Ω , 10K Ω , 1M Ω)	Nos.	10
12.	Capacitors Kit (1 μ f to 1000 μ f)	Nos.	3
13.	Electrode signal LEDs (2.2k ohms)	Nos.	100
14.	Veroboard (Prototyping board)	Nos.	10
15.	Camera, light and tripod (Panasonic HC-VXI 4K HD Camcorder, 2 table-top LED studio lights, 1 professional tripod)	Nos.	1

USB-6001 Specifications

Number of channels

Differential 4

Single-ended 8

Trigger sources Software

ADC resolution 14-bit

Analog Output..... Analog outputs 2

DAC resolution14-bit

Output range±10 V

Digital I/O

13 digital lines

Port 0 8 lines

Port 1..... 4 lines

Port 21 lines

Digital Input

Input voltage range (powered on)0 to 5 V

Input voltage range (powered off)0 to 3.3 V

Counter Number of counters 1

Resolution 32-bit

Counter measurements Edge counting, rising or falling..

Counter direction Count up.

Counter source PFI 0 or PFI 1.

Maximum input frequency 5 MHz

Minimum high pulse width 100 ns

Minimum low pulse width 100 ns