



Bharatiya Vidya
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(Founded in 1938 by Kulapati Dr. K. M. Munshi with the blessings of Mahatma Gandhi)

आ नो भद्रा : ऋतवो चन्तु विश्वतः।

Let noble thoughts come to us from every side

SARDAR PATEL INSTITUTE OF TECHNOLOGY
(Autonomous Institute)

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Ref. SPIT/Procurement/21-22/ Dated: 5th April 2021

Dear Sir/Madam

Quotations are invited on mail for the items given in Table 1 from reputed manufacturer/ Authorized Dealers/Suppliers who have reputed customer base like IIT/BARC/ICT/Reputed Industries.

We request you to give your lowest, no regret offer for all items. Terms and conditions are listed in Table 2.

The eligibility criteria is given in Table 3.

The detailed specifications are given in Annexure A.

You are appealed to give the best possible, no regret offer till Friday, 9th April 2021, 5:00 pm.

Thanking you

PRINCIPAL

Table1. Items to be procured.

Sr. No.	Brief Description	Quantity*	Delivery period	Comprehensive on site warranty
1	Laptop Core I3, 10 th Generation	40	4 weeks	3 years
2	Laptop Core I5, 10 th Generation	40	4 weeks	3 years
3	Analog/Digital Circuits Testing Platform for conduction of experiments at undergraduate level	150	6 weeks	3 years
4	Embedded and IoT interface testing platform for conduction of experiments at senior undergraduate level for various microcontrollers/DSPs	50	6 weeks	3 years

***Quantity may vary**

Table 2 : Terms and conditions of the supply

1. The rates quoted must be inclusive of Taxes, Duties Transportation, Loading unloading, any other incidental charges, P and F, Insurance. However, clearly break up must be given. The bids will be evaluated on the total cost including admissible duties, taxes, transport etc
2. Payment: 100% against delivery after satisfactory demonstration of the equipment. If required, 50 % advance payment can be made against the bank guarantee of equivalent amount.
3. Material will be accepted only after Inspection.
4. The material will be delivered at S.P.I.T, Andheri (W) within the delivery period.
5. The penalty for late delivery will be 1 % per week limited to 5 %. There after the order stands cancelled automatically.
6. Payment will be made within 15 days of the receipt of material and after satisfactory demonstration/commissioning of the equipment.
7. Payment shall be made by Cross Cheque/online transfer.
8. Supplier will provide a technical person for calls logging till the warranty period
9. Supplier's engineer will install one time OS in all the supplied computers
10. The down time for any item should not exceed 7 days.
11. A performance guarantee of 5 % will be with institute and returned after warranty period.

Table 3. The Eligibility Criteria

1	The bidder should be registered with Central Govt/State Govt/Public University / Public Sector / Institutions of repute/Industries of repute.
2	The bidder/supplier should have paid I.T, GST and other all mandatory Government taxation for the last financial year.
3	The Bidder/ Supplier should be the authorized supplier/Dealer
4	The turn over for the last financial year for item 1 and 2 should be more than 50 lakhs
5	The bidder should have service center at Mumbai.
6.	The bidder should have supplied similar items to reputed customers in past three year.

Annexure A. : Detailed Specifications

1. Laptop CORE I3, 10TH GENERATION.

Laptop: Core i3 10th generation and above, 4GB, 256GB SSD, Full HD (1080P) 14", windows 10 Home.

Quote separately for Commercial model (**HP Pro Book, Dell Vostro, Think pad, Acer Aspire etc**) and Consumer Model.

Battery back up : Minimum 6 hours

Quote separately for additional warranty for 4th and 5th year.

2. Laptop CORE I5, 10th Generation

Laptop: Core i5 10th generation and above, 8GB, 256GB SSD, Full HD (1080P) 14", windows 10 Home

Quote separately for Commercial model (**HP Pro Book, Dell Vostro, Think pad, Acer Aspire etc**) and Consumer Model.

Battery back up : Minimum 8 hours

Quote separately for additional warranty for 4th and 5th year.

3. Analog and Digital Circuit Testing Platform

Analog and Digital circuits Testing Platform with DAS (This makes it easy to design, experiment with, and test circuitry without soldering. Students can explore a wide

variety of electronic concepts simply by sticking components into the breadboard. This is to perform the experiments of typical courses like digital electronics, linear integrated circuits, Analog Electronics, EDC, Circuit analysis, mini project/capstone project of related courses, in the college or at home. The experiments can be performed remotely as well. Specifications:

- The Board should have Onboard +/- 15 V/1A and +5 V/2A regulated DC Supply
- 4 Analog input sections with 4-Channel simultaneous sampling, 1MHZ Bipolar +/- 5 V 10 Bit ADC
- 16 Channel Digital i/o ports
- 2 Channel 1Mhz, Bipolar10-Bit DAC
- Sine / Triangular/square waveform generation
- Digital pulse 10k, 100k, 1 M, manual single pulse generation facility. Necessary arrangements for external connection of resistors, BJTs and FETs
- Arrangements for Digital/Analog IC Sockets
- LCD Display 16X4 blue background
- Computer Desktop/Laptop interfacing and data Acquisitions
- Interfacing of external Arbitrary function generator
- Arrangement of DIP switches, connectors, sockets and indicating LEDs for inputs and outputs.
- Single board or two separate boards for analog and digital
- Cabinet: Fiber or equivalent, Industrial grade PCB and connectors.

4. Embedded and IoT testing platform

Embedded and IoT interfaces Testing Platform (to explore Architecture, Working, and Applications of Internet of Things and Embedded Systems. Using a variety of sensors and actuators) Specifications:

- The Board should have Onboard +12 V/1A 5V, and 3.3V regulated DC Supply
- Provision for piggyback mounting of ATMEL/PIC/ARM/TI/NODEMCU CPUs
- 8-LEDs, 8-DIP I/Ps, 4x1 & 4x4 KBD
- Relay, Actuator, STEPPER, DC, and Servo Interface
- Sine/Triangular/square waveform generation
- Various analog and digital sensors
- Arrangements for Digital/Analog IC Sockets
- LCD Display 16x4 Blue Background
- Computer Desktop/Laptop interfacing and data Acquisitions
- Arrangement of DIP switches, connectors, sockets and indicating LEDs
- 12V Stepper Motor 1.8 Degrees
- 5V geared servo motor 13Kg-cm torque 180 degrees rotation
- Geared DC Motor 150 rpm
- Cabinet: Fiber or equivalent, Industrial-grade PCB & Connectors