



सरदार वल्लभभाई राष्ट्रीय प्रौद्योगिकी संस्थान, सूरत
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF
TECHNOLOGY, SURAT
विधुत इंजीनियरिंग विभाग
ELECTRICAL ENGINEERING DEPARTMENT

SVNIT

No. DoEE/ APG / **1722** / 2025-26

Date : 30-01-2026

To,

Sub: Enquiry for Supply of "Laboratory items – Kits, Resistive Load, Rheostats and Variac as per Annexure A"

Dear Sir,

You are requested to quote your prices for supply of stores listed overleaf. The quotations may be sent to the undersigned in a sealed envelope and subscribed as: "Quotation with reference to Enquiry No. DoEE/APG / **1722** / 2025-26, dated: 30-01-2026" Your quotation should reach the undersigned on or before **14-02-2026 at 5:00 PM.**

The quotations should be furnished with the following information.

1. The brand or make of each item should be specifically stated and wherever Necessary, Complete set of specifications and dimensions should be given.
2. If asked, samples accompanying the quotations or demonstration to be provided in the Department at any stage of purchase without claiming any financial benefits.
3. Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
4. The period of validity of the quotation should be at least **120 Days or more**. Offers subject to prior sale may please be avoided.
5. The delivery period is to be clearly mentioned in the quotation. The work completion period is **maximum 30 Days**.
6. The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
7. All concessions available to an educational institution should be specified and also taken into account while quoting.
8. This Institute is located within the limits of S.M.C. & exempted from the paying of Octroi duty on incoming goods from outside limits of S.M.C.

9. Payment is normally made by Account pay/cheque/PFMS on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 after satisfactory installation, successful testing in department and official procedure from account section with Institute terms and conditions. If case of any official delay, any type of claimed extra payment will not be considered.
10. Your Specification & terms-conditions should be as per the format attached, must be on your company letterhead & signed by an authorized person.
11. Offered quotation may be rejected if any ambiguity is found in offered specification, terms & conditions supplied by party in specified tabular format.
12. Preference may be given to the supplier having status of authorized dealer of manufacturer, with a view to ensure reliable after sales service for the item.
13. **Items will be accepted after satisfactory performance in our laboratory according to our requirement.**
14. At least one year warranty certificate is compulsory along with quotation as well as invoice of the consignment.
15. The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.
16. The Head of Department /Director reserves the right to stop the purchase process at any stage.
17. An enquiry may send in the following address.

To

The Director,

(kind attention, Head, Department of Electrical Engineering),

Sardar Vallabhbhai National Institute of Technology (SVNIT), Dumas road, Ichchhnath,

Surat-395007 (Gujarat)

Ph 0261-2201572 (office, DoEE)

Yours faithfully,

Arthul
30/01/25

Electrotechniques Lab In-charges, DoEE

Rishabh Mehta
30/01/26



[Signature]
30/1/26

Head, DoEE

विभागाध्यक्ष / Head

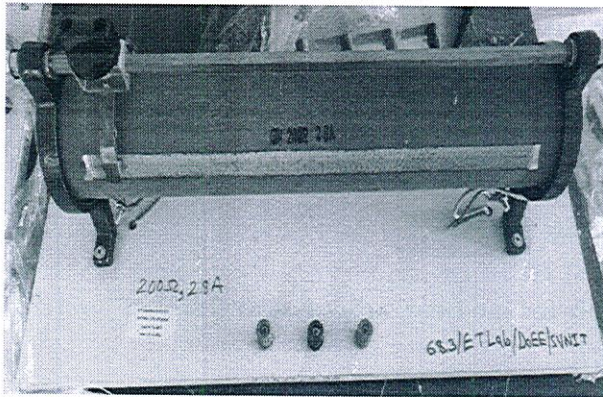
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Department of Electrical Engineering

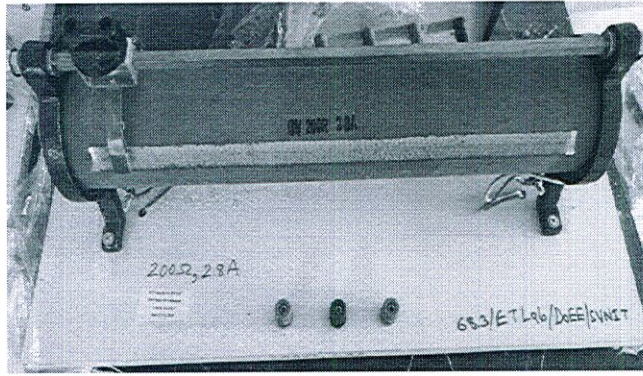
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Annexure-A

Sr. No.	Product Description and Specification
1	<p>Kit for Power measurement of Single phase R-L-C series circuit</p> <ol style="list-style-type: none"> 1) Main Transformer Specification: Secondary Voltage Range: 20 V to 60 V (adjustable in steps of 10 V) <ul style="list-style-type: none"> • Current Rating: 500 mA • Voltage Steps: 20 V, 30 V, 40 V, 50 V, 60 V • Type: Step-down transformer with tap-changing or switchable secondary windings to allow selection of desired output voltage. 2) Two A.C. Voltmeters, 65mm rectangular dial to read 0-75V 3) One A.C. Voltmeters, 65mm rectangular dial to read 0-50 V 4) A.C. Milliammeter, 65mm rectangular dial to read 0-500mA. 5) High wattage resistance, capacitor and inductor 6) Mains ON/OFF and Jewel light. 7) Salient Features: <ul style="list-style-type: none"> • Operative on 230VAC \pm 10% at 50Hz • Adequate no. of patch cords stackable from the rear, both ends 4mm spring-loaded plug, length 100 cm • Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References. • The kit should be housed in ABS Plastic cabinet.
2	<p>1 Ph Resistive Loads (Load bank/trolley)</p> <ul style="list-style-type: none"> • Single Phase Operation • Voltage: 240V AC \pm 10%, 50Hz • Current: 15 A • Power: 3.5 kW • Loading steps: 10 <ul style="list-style-type: none"> – 2 of 0.5 A each – 5 of 1 A each – 3 of 2 A each • MCBs (For steps): <ul style="list-style-type: none"> – Current rating: 5 A (SP) – No. of MCBs: 10 • Auxiliary Supply for fan heat suppression: 230V AC, 50Hz • MCB: 15A (DP) • Supply Indication Lamps • Provide with trolley
3	<p>Kit for study of Half wave and Full wave rectifier with and without capacitor filter</p> <ol style="list-style-type: none"> 1) Input Power Supply : Single Phase, 230Vac, 50Hz AC Mains 2) AC Power supply : 12/ 10 – 0 – 12/ 10Vac, 50Hz 3) Possible filter configurations : L, C, LC and π filters 4) Adjustable load resistance : 100 Ω to 700 Ω 5) Two 3½ digit, digital meters of 0-200V dc & 0-20mA dc <p>Experiments can be performed:</p> <ul style="list-style-type: none"> • Half wave rectifier: without filter, with "L" filter, with "LC" filter, with "C" filter and with "π" filter • Full wave centre tape rectifier: without filter, with "L", with "LC" filter, with "C" filter

	<p>and with “π” filter</p> <ul style="list-style-type: none"> • Full wave bridge rectifier: without filter, with "L" filter, with “π” filter, with "C" filter and with “LC” filter. • Half wave voltage doubler • Full wave voltage doubler • The kit should be housed in cabinet.
4	<p>Kit to study the characteristics of Transistors</p> <ol style="list-style-type: none"> 1) Two 0-10V D.C., continuously variable Power Supplies for Base Emitter & Collector Emitter junctions. Current Rating: 50mA 2) Two Digital Voltmeter DC 3½ Digit having Dual range of 2V / 20V. 3) Two Digital Current meter DC 3½ Digit having Dual range of 200uA / 20mA 4) Two silicon (NPN & PNP) transistors and two Germanium (NPN & PNP) transistors. 5) Salient Features: <ul style="list-style-type: none"> • Operative on 230VAC \pm 10% at 50Hz • Adequate no. of patch cords stackable from the rear, both ends 4mm spring-loaded plug, length 100 cm • Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References. • The kit should be housed in ABS Plastic cabinet.
5	<p>Rheostats (145 Ω, 2.8 Amp) with base and terminals</p> <ul style="list-style-type: none"> • Rugged construction, Rust proof and provided with proper insulating material. • Base made of wooden and strong enough to tolerate jerks. • Minimum thickness of base shall be 1.5 cm and min. height of base legs shall be 1.5 cm. Base shall have minimum margin of 9 cm front, 2 cm back and 7 cm sides from the resistor. • Smooth functioning of slider. • Three terminals provide. (Two for variable and one fix). • It shall not over heat at room temperature for Rated current.  <p>(Picture for Reference)</p>
6	<p>Rheostats (50 Ω, 5 Amp) with base and terminals</p> <ul style="list-style-type: none"> • Rugged construction, Rust proof and provided with proper insulating material. • Base made of wooden and strong enough to tolerate jerks. • Minimum thickness of base shall be 1.5 cm and min. height of base legs shall be 1.5 cm. Base shall have minimum margin of 9 cm front, 2 cm back and 7 cm sides from the resistor. • Smooth functioning of slider. • Three terminals provide. (Two for variable and one fix).

- It shall not over heat at room temperature for Rated current.



(Picture for Reference)

7 1 Ph Variac / Auto Transformer

- Input Voltage: 0-240 V Ac, 50 Hz
- Output Voltage: 0-270 V AC
- Current Rating: 10 A
- With a movable carbon tip, fixed to a brush-arm sliding on a silver plated commutator. Rotation of the brush-arm by manual.
- Confirms to I.S. 5142 of 1969.
- Rugged construction, Rust proof and provided with proper insulating material.
- With minimum Voltage Regulation and High Efficiency.
- No Waveform distortion.
- Low Operating Torque
- Smooth and Linear Output
- Low magnetizing current
- Negligible Maintenance and Trouble-free Long life
- It shall not over heat at room temperature for Rated current.

Handwritten signature and date: 22/3



PRICE LIST

Enquiry for Supply of Laboratory items

No	Description	Specification	Qty.	Unit/1 no cost including all charges (in Rs.) without GST	Total cost (in Rs.) without GST
1	Kit for Power measurement of Single phase R-L-C series circuit	(as per the Product Specification given in Annexure A)	02		
2	1 Ph Resistive Loads (Load bank/trolley)		02		
3	Kit for study of Half wave and Full wave rectifier with and without capacitor filter		02		
4	Kit to study the characteristics of Transistors		01		
5	Rheostats (145 Ω , 2.8 Amp) with base and terminals		03		
6	Rheostats (50 Ω , 5 Amp) with base and terminals		03		
7	1 Ph Variac / Auto Transformer		02		
Total Rs.					
GST @ _____%					
Grand Total with GST Rs.					

Note:

1. Quote item cost/price including all type of charges and GST.
2. Attached Photograph of above items (if possible)
3. **Quotation will not be considered for further process without Compliance Report in form of ANNEXURE-B.**

Terms & Conditions

1.	Percentage of GST	
2.	Work Completion Period	
3.	Validity of the quotation	
4.	Warranty/Guarantee	
5.	Make and model for each items	
6.	Other Terms & conditions	
7.	Submission of Compliance Report in ANNEXURE-B	Yes/ No

Place:

Date :



Signature and stamp of agency

ANNEXURE-B

Compliance Report submitted by Agency

Sr. No.	Item Description for Calibration and servicing	Estimated value according to standard/ attached Documents	Compliance Yes/No
1.	Kit for Power measurement of Single phase R-L-C series circuit (as per the Product Description and Specification given in Annexure A)		
2.	1 Ph Resistive Loads (Load bank/trolley) (as per the Product Description and Specification given in Annexure A)		
3.	Kit for study of Half wave and Full wave rectifier with and without capacitor filter (as per the Product Description and Specification given in Annexure A)		
4.	Kit to study the characteristics of Transistors (as per the Product Description and Specification given in Annexure A)		
5.	Rheostats (145 Ω , 2.8 Amp) with base and terminals (as per the Product Description and Specification given in Annexure A)		
6.	Rheostats (50 Ω , 5 Amp) with base and terminals (as per the Product Description and Specification given in Annexure A)		
7.	1 Ph Variac / Auto Transformer (as per the Product Description and Specification given in Annexure A)		

Place:

Date :

Signature and stamp of agency



