

DEPARTMENT OF ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY,
SHIBPUR, HOWRAH-711 103.

No. 167/2020/EE-3/21(KM-PEL)

Dated: 27/02/2020

From : The Head of the Department,
Electrical Engineering,
IEST, Shibpur, Howrah-711 103

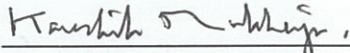
To : Enlisted vendors of the institute and other interested parties/ For Website Tender.

Dear Sir(s),


Sealed quotations are invited for supply of the following item(s) within 06/03/2020. The quotation should include the taxes as per rule, delivery charges, entry tax if any, etc. to Indian Institute of Engineering Science and Technology, Shibpur and should mention a firm delivery period. Preferences will be given to the suppliers who can supply ex-stock.

The vendors, who are not enlisted in the Institute register, should submit the copies of their valid Trade License, PAN, latest Income Tax / Sales Tax Statement /Return, SSI/MSME certificate, GST certificate if any etc. and any other commercial credentials.

Yours faithfully,



Signature of the indenting Officer/
Concerned Faculty Member


Prof. & Head of EE Dept.
IEST, Shibpur, Howrah - 711 103 27/02/2020

List of Items:

Required for Power Electronics laboratory, IEST Shibpur:

- Rheostat, 25 ohms, 5A – 2 no.s tentatively*
- Rheostat, 270 ohms, 1.2A – 2 no.s tentatively*
- Rheostat, 110 ohms, 1.7A – 2 no.s tentatively*

*Final quantities should be decided based on funds available. **Quotations should be made on a per unit basis, for each type advertised.**

Detailed desired specifications/requirement:

The above rheostats should follow the specifications given below:



Prasid Syam
Professor & Head
Electrical Engineering Deptt.
Indian Institute of Engineering Science
and Technology, Shibpur
Howrah-711 103

- (i) Current ratings mentioned in (a), (b) and (c) above are all continuous ratings.
- (ii) Resistance wire should be wound on a SINGLE hexagonal steel tube, vitreous enamelled
- (iii) Wound tube should be fitted in two end castings with mounting holes, duly insulated with micanite cups.
- (iv) Brush should be of Copper graphite to provide lubrication and prevent wear and tear of wire.
- (v) Heat resistant compression springs to be used to ensure firm contact of Brush with the resistance winding.
- (vi) Winding should be covered with a perforated steel sheet enclosure with only the Slider Knob & two Insulated Banana plug Terminals accessible externally from all sides, except bottom, to ensure that the operator cannot come in contact with the slider bar/winding to avoid shock hazard.
- (vii) The Rheostat should meet the requirements of IS:9051 in respect to
 - (a) Tolerance on resistance value : + 20% to -5%
 - (b) H.T. Test : 2kV for 1 minute
 - (c) Temperature rise : 375°C (mounted vertically)
 - (d) Maximum working voltage : 500 V
 - (e) Ambient room Temperature : 0 - 45°C
- (viii) Ratings in Amperes & ohms to be provided on a duly marked Nameplate affixed with Rivets to the Rheostat

Manufacturer of the rheostat should be reputed, who

- (a) have proved past experience of supplying to Government Educational Institutions / Public Sector Companies in the past 3 years as follows: a) One order of Rs 2.4 Lacs OR b) Two orders of Rs 2.0 Lacs OR c) Three orders of Rs 1.6 Lacs (Please provide necessary documents in support of your claim)
- (b) have an in-house NABL accredited Electrotechnical Laboratory with Traceable capabilities of measuring Resistance. (Please provide necessary documents in support of your claim)
- (c) Manufacturer's test certificates have to be provided during supply of items.
- (d) Warranty of at least one year has to be given.