

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
DELHI TECHNOLOGICAL UNIVERSITY  
(FORMERLY DELHI COLLEGE OF ENGINEERING)  
SHAHBAD DAULATPUR, BAWANA ROAD, DELHI-110042**

**NOTICE INVITING TENDER**

No. F. DTU/EED/Tender/2022/1079

16<sup>th</sup> November, 2022

Sealed Quotations are invited for the supply of the following items in the Electrical Engineering Department of Power Electronic Converters and Control Lab. The sealed envelope containing technical and financial bids separately should reach to the office of the Head, Department of Electrical Engineering, Delhi Technological University, Delhi-110042 latest by 25.11.2022, 5:30 PM.

S. No.	Items/Specification	Qty
1	Continuously variable voltage 3-phase Autotransformer 10KVA, 415V/0-470V AC, 20A (Detailed Specification Sheet is attached)	5
2	Continuously variable voltage single-phase Autotransformer 4.05KVA, 240V/0-270VAC, 15A (Detailed Specification Sheet is attached)	10

*Pragati Kumar*  
16.11.22  
(Prof. Pragati Kumar)

Head,  
Department of Electrical Engineering

Professor & Head  
Electrical Engineering Department  
Delhi Technological University  
(Formerly Delhi College of Engineering)  
Bawana Road, Delhi-110042

### Detailed Specifications

Continuously variable voltage 3-phase autotransformer		
Quantity	:	5
KVA rating	:	10KVA
Nominal input Voltage	:	415V AC, 3 phase 4 wire, 50/60Hz
Nominal output voltage	:	0 to 470V AC, 3 phase 4 wire, 50/60Hz
Current (Max.)	:	20A
Current (continuous)	:	16A
Coil Winding	:	99.9% pure electrolytic copper
Core	:	High-grade CRGO Silicon Steel, resin casting
Brush	:	High-quality carbon brush
Operating temperature	:	0-50°C
Ambient temperature	:	45°C
Insulation resistance	:	>5MΩ at 500V DC
Dielectric	:	2.5kV(rms) for 1 min
Storage temperature	:	-9°C to 70°C
Humidity	:	Up to 95% RH
Type	:	Portable with a sheet steel enclosure for floor mounting
Cooling	:	Air-Cooled
Dimensions (LXWXH)	:	305 mmX375mmX660mm
Weight	:	Greater or equal to 68kg
Standard	:	IS5142

### Detailed Specifications

Continuously variable voltage single-phase autotransformer		
Quantity	:	10
KVA rating	:	4.05KVA
Nominal Input Voltage	:	240V AC, 1 phase, 50/60Hz
Nominal output voltage	:	0 to 270V AC, 1 phase, 50/60Hz
Current (Max.)	:	15A
Current (Continuous)	:	11.5A
Coil Winding	:	99.9% pure electrolytic copper
Core	:	High-grade CRGO Silicon Steel, resin casting
Brush	:	High-quality carbon brush
Operating temperature	:	0-50°C
Ambient temperature	:	45°C
Insulation resistance	:	>5MΩ at 500V DC
Dielectric	:	2.5kV(rms) for 1 min
Storage temperature	:	-9°C to 70°C
Humidity	:	Up to 95% RH
Type	:	Portable with a sheet steel enclosure for floor mounting
Cooling	:	Air-Cooled
Dimensions (LXWXHXMxD)	:	227 mmX265mmX185mmX176mmX11mm
Weight	:	Greater or equal to 25kg
Standard	:	IS5142



## TERMS AND CONDITIONS

1. Manufacturers (OEMs) or their Authorized Distributors/Suppliers/Agents/Channel Partners only should submit their bids.
2. The specifications mentioned/issued with this form of tender must not be altered by the Suppliers.
3. Demonstration of equipments has to be arranged by the suppliers, if desired by the institute. The technical committee may visit production facility if so desired for sample verification.
4. The quotation should be valid for a period of one year from the date of opening of the tender.
5. Rates are to be quoted in INR (Rupee terms) only and any revision thereof is not allowed after the tenders have been opened.
6. The delivery period should be clearly mentioned against each item, incase, the items are not readily available, ex-stock offer will be preferred.
7. Rates should be quoted F.O.R Institution. Taxes and Duties namely Sales tax/VAT/Custom Duty (against Custom Duty Exemption Certificate)/Excise Duty should be mentioned clearly.
8. Consignment will not be insured at the Institute/University Cost.
9. The payment will be made within 30 days after the successful demonstration/installation of the equipment and fulfilling of other obligations (like training etc., if any) as per the purchase/work order, against a bill/Invoice; containing therein details of goods delivered/services performed. Rejected items/goods should also be removed within 30 days after which no responsibility will be accepted by University.
10. In the event of the item(s) being imported product(s), Custom Duty Exemption Certificate (CDEC) will be issued by the University on the written request of the supplier; who, in turn, will furnish copies of relevant Customs Related Documents namely Airways Bill, Packing List, TR-6 challan etc. along with Bill/Invoice.
11. Conditional quotations and/or incomplete quotations in any respect will be rejected.
12. In case you cannot quote for one or more of the items asked for in the tender the word "NOT QUOTED" (in the rate column) should be indicated.
13. The specification of the item quoted by the firm should confirm to the University specifications.  
Confirmation, in this respect should be specifically mentioned in the tender. Where the tenderer feels that the specification of the item not fully given or differ, from the specification of the item mentioned by the university, the exact specification of such item should be attached with the tender indicating the item quoted.
14. The Firm is required to link the University specifications with catalogues & leaflets/literature and also mention Make and the Model for each item. Detailed features, for compliance of specification should be provided on specification sheet & appropriate reference i.e. page no. & para of literature, leaflet wherefrom the relevant information has been checked, should be indicated.
15. There is no EMD for this tender.
16. The Purchase Order/Contract will be awarded to the successful Bidder whose bid has been determined to be responsive and has been determined to be the lowest evaluated bid, provided further the Bidder is determined to be qualified to execute the Order/Contract satisfactorily.

17. There shall not be any negotiation normally. However, in exceptional cases, negotiations can be held with the lowest evaluated responsive bidder only. Counter offers tantamount to negotiations and shall be treated at par with negotiations.
18. The Competent Authority reserves the right to reject any or all the tenders and annual the bidding process at any time prior to award of Contract, without assigning any reason, without thereby incurring any liability to the affected Bidder or Bidders, and his decision will be final.
19. The supplies shall have to be made within the period specified in the purchase order failing which the order shall be cancelled.
20. Service manuals, wherever available/required, should be provided along-with the Equipments.
21. The University reserves the right at the time of award of PO/Contract to increase or decrease the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions. Further, the quantities in the PO/Contract may be enhanced by 30% within the delivery period.
22. In the case of purchase of may items against one tender, which are not inter-dependent or where compatibility is not a consideration, comparison would be made on the basis of prices quoted by the firms for identifying the lowest quoting for each item.
23. WARRANTY: All products must have a minimum of One Year Warranty. A Warranty Certificate should invariably be supplied along with the item at the time of delivery. If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the supplier shall rectify the defects, errors or omissions by repair or by partial or complete replacement on free of cost basis.
24. The Competent Authority reserves the right to levy liquidated damages up to 2% of the value of the order for delayed supply. If the supply is delayed beyond the extended period, the University reserves the right even to cancel the order and forfeit the EMD of the firm/ tenderer.
25. DEFAULT: - In the event of default and unsatisfactory service of the contractor/Supplier firm, the DTU will be at liberty to repair/get the item serviced from other party at the cost of supplier/contractor/ tenderer.
26. FAILURE AND TERMINATION: - If the Contractor/Supplier fails to deliver the stores or any installment thereof within the period fixed for such delivery or at any time repudiates the contract before the expiry of such period, DTU may without prejudice to the right of the purchaser recover damages for breach of the contract.
27. The technical & financial bids of only those bidders will be opened who fulfill the eligibility criteria and whose documents are found in order. If any of the date earmarked for opening of technical or financial bids happens to be a holiday, the bids will be opened on the very next working day.
28. For any query/clarification in r/o technical aspect of the enquiry, HOD (Electrical Engineering), DTU may be contacted.
29. Disputes, if any, arising out of this tender shall be subject to exclusive jurisdiction of Courts of Delhi/New Delhi only.
30. **Only Delhi based vendors should apply for these items. They are also required to furnish their VAT to Govt. of NCT of Delhi.**