



# Government College of Engineering

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No. GECA/EED /2019-20/ 2615  
To,

Date 14 AUG 2019

GECA Notice Board/ GECA Website

## Subject :- Quotation for Equipment of Electrical Department.

Dear Sir, You are requested to send your competitive quotations for the supply of the following items subject to the following conditions.

### Terms & Conditions -

- 1 Rates quoted should be FOR AURANGABAD or free delivery at the Institute inclusive of all lead and Lift.
- 2 Detailed specifications of the articles you intend to supply should be given. If not according to the specification, laid down here under.
3. The material should be supplied within (07) days from the date of order. List of material is given below.
4. The earliest delivery period should be quoted if you cannot supply within the period mentioned above.
5. Quotation should be in sealed cover and superscripted as **“Quotations” for Equipment of Electrical Department.** Due on ~~28~~ 08 -2019, at 5.00 P.M.
6. Quotation should be valid for 31.03.2020
7. Right to reject any or all quotations are reserved with the under signed.
8. Rates quoted must be inclusive of All applicable Taxes.
9. Delivery of the material will be carried out free of cost at our institute in EED Dep. 1<sup>st</sup> Floor in PG Lab.
- 10 **Installation of the material will be carried out free of cost at our institute by the supplier.**
10. No advance shall be paid and No part payment shall be made.
11. Quotation not complying with the above conditions and incomplete once will not be considered

Sr. No.	Item with Specifications	Qty	Remarks
01	<b><u>3 phase diode rectifier + 3 phase inverter stack-4leg :</u></b> Specifications : Input AC Voltage:-415 Volt DC Voltage:- 560 Volt O/P AC Voltage:- 415 Volt O/P AC Current 30 Amp Switching Frequency 20 kHz Fundamental Frequency 50 Hz Type of Cooling:- Forced Air Ambient Temp:- 40 Deg Electrolytic capacitor, Busbar, IGBT snubbers, fan and thermal trip . Whole assembly should be encapsulated in polycarbonate box.	01 No.	

02	<p><b><u>THREE PHASE Voltage source Inverter :</u></b>  <b>Specifications :</b>  THREE PHASE Voltage source Inverter  Input :3 PHASE 0-415VAC, 50 HZ (or) 0-600VDC  Output :1 Ø /3Ø, 200V /415V, Variable Voltage, Variable frequency ( OR) 0 +/- 580VDC  Capacity:3KW  Number of PWM Input :6  Maximum PWM Frequency:20KHZ  PWM Level: 0-3.3/5V  3Ø diode rectifier to converter input AC voltage to DC Bus voltage with discharge resistor  DC Capacitor at diode rectifier output side for Filter. Analogue DC Voltmeter ( 0-600VDC) to measure DC Bus voltage  3 numbers of Hall effect current sensor for 3Ø output AC/DC Current 25A measurement  1 numbers of Hall effect current sensor for Input DC bus Current upto 25A measurement.  SemikronIGBT based inverter with suitable heat sink and snubber circuit for protection</p>	01 No.	
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Yours faithfully



Head of Electrical Engineering  
Govt. College of Engineering  
Aurangabad