

GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

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No. GCOEARA/Store/2016-17/

1877

Date:

30 JUN 2016

To,
HOD- Computer Engineering for display on College Website


Subject : Quotation for Supply of Equipments for Electric Circuits & Machines (for E & TC Engineering)

Please send your quotation for the following items on the terms and conditions listed below, mentioning our reference letter number, date and due date of quotation on your sealed envelop, on or before **11.07.2016** at 4.00 P.M.

Sr.No.	Specification	Qty.	Unit
1	DC series motor	1	No.
2	DC shunt motor	1	No.
3	Induction motor & Generator set	1	No.
4	Resistive load bank	2	No.
5	Single phase transformer	2	No.
6	Cut section models	1	No.
7	Thevenin's & Nort's theorem study trainer kit	2	No.
8	Rectifier (AC to DC)	1	No.
9	Digital Multimeter	3	No.
10	Digital Tacho Generator	2	No.
11	Rheostat	3	No.
12	Rheostat	3	No.
13	Rheostat double tube open	1	No.
14	3 phase dimmerstate	1	No.
15	1 phase dimmerstate	2	No.
16	AC voltmeter	3	No.
17	AC Ammeter	3	No.
18	DC Voltmeter	3	No.
19	DC Ammeter	3	No.
20	AC Ammeter	3	No.
21	Wattmeter	3	No.
22	Wattmeter	3	No.
23	Power factor meter	1	No.
(Detail scope of supply is as per enclosed sheet)			

Terms & Conditons

- 1 Taxes – Inclusive / if extra clearly mention the percentage.
- 2 Delivery period –
- 3 Payment Terms –
- 4 Quotation Validity –
- 5 Warranty -
- 6 Guaranty-
- 7 Delivery Charges – Free / if extra mention clearly.
- 8 The part supply and its bill will strictly not be entertained.
- 9 If you fail to supply the stores within the specified period, the order will be treated at cancelled without any information.
- 10 The material will be accepted subject at approval(after inspection of the material),if rejected it will be returned to you at your cost.
- 11 The material to be supplied should be strictly according to the specification only.
- 12 Octroi is not applicable since Institute is located in Gram Panchayat area.
- 13 Please attach copy of your shop registration certificate alongwith your quotation, without which your quotation will not be accepted.


(Prof. S.V. Joshi)
I/c Principal

Govt.College of Engineering & Research Awasari
Awasari(khurd)

Government College of Engineering and Research Awasari(Kd) Tal.Ambegaon
Department of Electronics and Telecommunication

Sr. No.	Name of equipment	Name of the Equipment to be procured	Quantity to be purchased
1	DC series Motor	DC Series Motor: Power Rating : 2HP, Voltage rating : 220V \pm 10%, Speed : 1500 RPM \pm 5% , Insulation : Class 'B', Loading Arrangement : Mechanical Brake Drum/Pulley : Aluminum Casted, Digital Meters used DC Voltmeter : 300V DC, Ammeter : 5A (2 Nos.) Digital Tachometer : 20.000 RPM	1
2	DC shunt motor	DC Shunt Motor: Power Rating : 2HP and Voltage Rating : 220V \pm 10%, Speed : 1500 rpm \pm 7.5%, Insulation : Class 'B', Loading arrangement : Mechanical Brake Drum/Pulley : Aluminum casted, Digital Meters used DC Voltmeter : 300V DC Ammeter : 5A (2 nos) Digital Tachometer : 20.000 rpm	1
3	Induction Motor & Generator Set	Induction Motor & Generator Set: Three Phase Mains Supply : 415V \pm 10%, 50Hz , Machines Specification Both the Machines are flexibly coupled and mounted on a single "C" channel base, Three Phase Induction Motor (acts as prime mover) : Type : Squirrel Cage, Power Rating : 2. HP Voltage Rating : 415V \pm 10% Speed : 1440 rpm, Insulation Class : 'B' DC Machine (acts as Generator): Type : DC Shunt, Power Rating : 3HP, Rated Current : 4.1A , Speed : 1500 rpm, Insulation Class : 'B' , Digital Meters used DC Voltmeter : 300V, DC Ammeter : 1A, 5A AC Voltmeter : 500V AC Ammeter : 5A Dimensions (mm) Control Panel	1
4	Resistive Load Bank	<u>Single Phase Operation</u> Voltage : 240V AC \pm 10%, 50Hz Current : 15A Power : 3.5kW Loading steps : 15 MCB Current rating : 10A (SP)No. of MCBs : 15 <u>Three Phase Star Operation</u> Voltage : 415V AC \pm 10%, 50Hz, Current : 15A (per Phase) , Power : 3.5kW, Loading steps : 5 (per Phase), MCBs (acts as a switch) : 10A (SP) <u>Three Phase Delta Operation</u> Voltage : 415V AC \pm 10%, 50Hz, Current : 15A (per Phase), Power : 10.5kW, Loading steps : 5 (per Phase) MCBs Current rating : 10A (SP) No. of MCBs : 15 Auxiliary Supply for fan : 230V AC, 50Hz Star/Delta Switch : 415V 25A MCB - 16A (TPN)	2
5	Single phase transformer	Mains Supply : Single Phase, 230V AC \pm 10%, 50Hz Single Phase Transformer Rating : 1kVA Primary Voltage : 0-125V, 0-125V Secondary Voltage : 0-125V, 0-125V Rated Current : 5A Single Phase Auto Transformer Primary Voltage : 230V Secondary Voltage : 0-270V Rated Current : 5A Digital Meters Used AC Voltmeter : 450V (2 Nos.) C Ammeter : 5A (2 Nos.) Wattmeter : 1500W MCB (SP) : 6A	2
6	Cut section Models	Working Cut Section of AC & DC Machine: a) DC compound motors, b) 3 ph AC Squirrel cage Induction Motor, c) 3 ph AC slip ring Induction Motor (Each one)	1
7	Thevenin's and Norton's theorem study trainer kit	Thevenin's and Norton's theorem study trainer kit: Kit Operated on AC & DC , Technical Specifications : Mains power supply : 90 - 270V \pm 10%, 50Hz DC power supply : +5V, Regulated +12V, Regulated Constant Current Source : 3.2 mA Voltmeter Range : 200mV to 20V Ammeter Range : 200 μ A to 200mA	2
8	Rectifier (AC to DC)	Input : Voltage : 3ph, 350 - 440V AC 4 wire, Frequency : 50 Hz , Output : Voltage : 220 - 240 V DC, Type : Continuously Variable, Cooling : Natural Air, Control : Front panel potentiometer, Rated Current : 30 A, Voltmeter & Ammeter for O / P Monitoring. * Input MCB and O / P HRC Fuse, Overload trip circuit, Single Phase preventer, Meters and controls on recessed front panel , Assembled in an angle frame with caster wheels	1

9	Digital Multimeter	AC Voltage, True-rms 0.1 mV to 1000V (1 kHz), DC Voltage 0.1 mV to 1000V, Capacitance 1 nF to 9999 uF, AC Current, True-rms 0.01 mA to 10.00A (20.00 A over-range for 30 seconds), DC Current 0.01 mA to 10.00A (20.00 A over-range for 30 seconds), Frequency 2 Hz to 50 kHz, Temperature -40 °C to +400 °C: -40 °F to +752 °F.	3
10	Digital Tacho generator	Digital Tacho generator: 0-99999 rpm speed	2
11	Rheostat	1.7A, 500 ohm	3
	Rheostat	5A, 20 ohm	3
	Rheostat Double Tube Open	1.7A, 400 ohm	1
12	3 Ph. Dimmerstate	closed type Portable enclosed manual (Air cooling) , 415 V , AC, 50-60 Hz, 3 ph 4 wire, 20 Amp	1
13	1 Ph. Dimmerstate	closed type Portable enclosed manual (Air cooling) , 240V , AC, 50-60 Hz, 1 ph , 20 Amp	2
14	AC Voltmeter	Portable analog type A.C Voltmeter: Scale-triple, Range-150/300/600V, It should be operate in horizontal position	3
15	A.C. Ammeter	Portable analog type A.C Ammeter: Scale-Triple, Range-5/10/25A, Accuracy-1.0%, It should be operate in horizontal position	3
16	D.C. Voltmeter	Portable analog type D.C Voltmeter: Scale-Dual, Range-150/300V, Accuracy-1.0%, It should be operate in horizontal position	3
17	D.C. Ammeter	Portable analog type D. C. Ammeter: Scale-Dual, Range-5/10/20A, Accuracy-1.0%, It should be operate in horizontal position	3
18	A.C. Ammeter	Portable analog type A.C Ammeter: Scale-Triple, Range-1/2A, Accuracy-1.0%, It should be operate in horizontal position	3
19	Wattmeter	Portable analog type Wattmeter: Potential Coil-150/300/600V, Current Coil-5/10A, Accuracy-1.0%, It should be operate in horizontal position	3
20	Wattmeter	Portable analog type Wattmeter: Potential Coil-75/150/300V, Current Coil-10/20A, Accuracy-1.0%, It should be operate in horizontal position	3
21	POWER FACTOR METER	Portable analog type Power Factor meter: Potential Coil-150/300/600V, Current Coil-5/10A, Accuracy-1.0%, It should be operate in horizontal position	1