



GOVERNMENT POLYTECHNIC, JALNA

AURANGABAD ROAD NAGEWADI, JALNA 431203 (Maharashtra)

Phone : 95-2482-282323, 282929, Fax. (02482)220105, Email-gpjalna@yahoo.com

No. : GP /Store/inst purchase/2017-18/ 318
Date:

01 FEB 2018

QUOTATION

Sub: Quotation for purchase of equipment.
(Due Date 09/02/2018)

Sealed Quotations are from eligible and interested manufacturers/ dealers/distributors/ for the following items on the terms and conditions mentioned below.

Sr. No.	Name of the item with specification	Quantity required	Estimated cost
1.	Moving Coil Permanent Magnet ammeters – Each having two ranges 0-10 A & 0-20 A.	05	13000
2	Moving iron voltmeters - Each Ranges – 0-10V	05	10500
3	Moving iron voltmeters - Each having two ranges 0-15V & 0-30V.	05	12500
4	Moving iron voltmeters - Each having two ranges 0 - 75V & 0-150V.	05	13000
5	Moving iron voltmeters - Each Having two ranges 0-150V & 0-300V.	05	13000
6	Moving iron voltmeters - Each Having two ranges 0-300V & 0-600V.	05	13000
7	D.C. Permanent Magnet Each Moving coil voltmeters Voltmeter having two ranges 0-5V & 0-10V.	05	2100
8	D.C. Permanent Magnet Each Moving coil voltmeters Voltmeter having two ranges 0-15V & 0-30V.	05	10500
9	D.C. Permanent Magnet Each Moving coil voltmeters Voltmeter having two ranges 0-75V & 0-150V.	05	12500
10	D.C. Permanent Magnet Each Moving coil voltmeters Voltmeter having two ranges 0-150V & 0-300V	05	13000
11	D.C. Permanent Magnet Each Moving coil voltmeters Voltmeter having two ranges 0-300V & 0-600V.	05	13000
12	Wattmeters Single phase, dynamometer type each Single phase with reversing switch. Voltage Range : 75/300/600 & Current Range : 2.5/5 A	05	7500
13	Wattmeters Single phase, dynamometer type each With reversing switch. Voltage Range : 75/300/600V Current Range : 10/20A	05	8000
14	Wattmeters Single phase, dynamometer type each With reversing switch. Voltage Range : 75/150/300 v. Current Range : 5/10A	02	4000
15	Wattmeters Single phase, dynamometer type each With reversing switch. Voltage Range: 50/300/600V Current Range : 15/30A	05	10000
16	Stroboscope Flash repetition, Rate 200 -20000 per min. adjustable. Flash duration: 10 to 15 micro sec. Accuracy: + or - 1% above 1000 rpm = or - 2% below 1000 rpm. Should operate on 230V 50Hz A. C. Supply.	01	10000
17	Digital Multi meter 4-1/2 digits, LCD, Multi meter. Ranges: D.C. Voltage: up to 1000v in 5 or more ranges. A.C. voltage: up to 750 v in 5 oranges., D.C. Current : up to 10Amp in 5 or more ranges., A.C. Current : up to 10 Amp in 5 ranges., Resistance up to 20 M ohms in six ranges., Frequency up to 200 kHz in three ranges.	05	13500

Sr. No.	Name of the item with specification	Quantity required	Estimated cost
18	Megger (Portable) Insulation tester hand operated 500 v/1000 v Range: 0-100 M ohm with infinity indication.,	01	8000
19	Electronic Earth tester (portable) Resistance Ranges: 0.01 ohm to 19.99, 0.1 ohm to 199.9 & 1.0 ohm to 1999. Along with 4 terminals with suitable nicd rechargeable battery complete with test leads earth-spites leather case & charging leads.	01	7600
20	Energy meter Single phase Induction type, Domestic grade., Current Range : 5/10A Voltage Range: 230 V, Freq. : 50 Hz.	02	8000
21	Energy meter three phase Induction type, Three phase, Three/Two Element. Current Range: 10A, Voltage Range: 415 Volts, Freq.50 Hz.	02	18000
22	Tacho meter (non contact type) 0-3000 rpm	02	9000
23	Temp. Gauge Liquid in metal type. Range : 0-200°c, Capillary : thermally insulated, 3 Mts. Dial : 150mm.	01	2500
24	Rotameter For Water Range 0-50 lit/Min., Linear scale.	01	3500
25	Level Indicators Capacitance type probe with suitable power supply & analogue indicator. Range – Max. 1mt.	01	3500
26	Set of Gauges a. Range 0-1 met., b. Float type : Dial 150mm., c. Magnetic reed type.	01	2500
27	LVDT Range: + or – 20 mm, Excitation voltage : AC sinusoidal voltage 1v, 4KHz, Sensitivity : 1mV/0.01 mm displacement.	01	7000
28	Electrician tool kit Screw-drivers, phase-tester, test-lamp, multi-meter, clip-on ammeter, pliers, cable-knife growler, slip-nose pliers, wire-cutter soldering iron, blow-lamp etc. wire stripper, wire-gauge.	01	4500
29	Fuses of different types Glass carbridge : 1 A to 5 A, Fast & slow blow type with holders H.R.C.: 15 A to 100 A with holder & removing instrument D.T.: 15 A to 60 A with holder.	15	1350
30	Characteristics of UJT kit	01	5500
31	Characteristics of Zener Diode as voltage regulator kit	01	5600
32	LC and RC oscillator kit	01	6300
33	Strain Guage kit	01	9000
34	Pressure Guage kit	01	9500
35	Frequency response of commen emmitter kit	01	7000
36	Kirchhoffs current and voltage law kit	03	16800
37	Super position theorem kit	03	14100
38	Thevenins and Nortons theorem kit	03	18000
39	RLC series and parallel kit	03	16500
40	Maximum power transfer theorem kit	03	14400
41	Single Phase full wave controlled rectifier with R and RL load, with and without free wheeling diode kit	03	24000
42	Three Phase full wave controlled rectifier with R and RL load, with and without free wheeling diode kit	03	37500
43	Single phase series inverter kit	02	16000
44	Current cummuteted step down chopper kit	02	16800
45	Battery charging using SCR kit	02	20000
46	Speed control of dc series motor of using SCR	02	19000
47	Speed control of three phase induction motor using PWM inverter	02	16400
48	Earth fault over current relay Current setting range : 10% to 40% in equal steps of 5 % of 5Amp	02	15000

Sr. No.	Name of the item with specification	Quantity required	Estimated cost
49	Inverse time over-current relay (Induction type) Self power, single pole, flush mounting type, conforming to Is: 3231/87, with following specifications. i) Current range setting : 50 to 200% of 5 Amp a-c 50Hz in about seven equal steps ii) Burden: 5 VA at 5 amp.iii) Insulation level: corresponding to 240 V a.c.iii) Insulation level: corresponding to 240 V a.c.	02	29000
50	Miniature Circuit Breaker Should be provided with in-build static tripping device. Rated Voltage: 415v, 3 Phase, 50Hz, A.c. Current : 15 Amp, Adjustable with setting- plug from 50% to 100%. Conforming to the relevant IS:8828.	02	5000
51	Miniature Earth Leakage Circuit Breaker Rated Voltage 230v with electronic detection 50Hz., Single phase, in (2 Pole version) Rated Current 10 Amp, or 15 Amp., Rated sensitivity:30 mA,100 mA.	02	12000
52	Differential Relay Single pole relay, draw out type conforming to IS:3231 series with restraining and operating windings and with following differential characteristics : 1) Rated current: 5A, 50Hz. Ac. 2) Auxiliary xmx DC supply : 220v 3) Current setting: A) Restraint current: 25 to 100% in steps. B) Differential current: 20to 40% in steps. 4) Operating time-restrained operation: around 0.2 sec(max) at 5 times the set current-details to be furnished by mfr. 5) Accuracy class: $\pm 10\%$ or to be furnished by mfr. 6) Out put contacts: 2 Nos. 7) Burden: 5v max. Aerated current. 8) Insulation level: corresponding to 250v AC operating voltage. 9) A set of No & NC contacts & fault indicator with reset facility.	02	12400
53	Laboratory D.C. Power Supply (Rectifier)Static converter of rating 200-250 volts 50 amps as per following specifications and Details Input :- Three phase Three wire , 50 Hz, 415 +/- 10 % volts a.c input Output:- 200-250 volts adjustable by means of potentiometer mounted on front panel , in auto mode and by push buttons in manual mode maximum current 50 amp. A switch is provided to select automatic mode or manual mode Output ripple:- less than 2% RMS. Load and Line regulation +/- 2 % only in auto mode Monitoring : Output monitored through digital Voltmeter and Ammeter Protection and Controls :- 1) Input connected through contactor with On/OFF push buttons and HRC fuses 2) Indications lamps for mains ON 3) RC Network provided for SCR to protect against Transient 4) DC output Connected through HRC Fuses 5) Equipment to be protected against overload and short circuit 6) Over voltage Shut down Rating:-Continuous Cooling:- Natural Air cooled	01	49000
54	D. C. series motor for direct loading test 220 v, 3 kw 1500 rpm D.C. series motor generally conforming to IS 4722/92 with screen protection and with drum controller Starter , with and overload & under voltage protection brake loading arrangement with loading drum, spring balance with belt. Class 'B' Insulation. The armature and field terminals should be brought out separately on a terminal board. The motor should be mounted on channel frame.	01	30000
55	Clamp on Power Meter	01	5500
56	Kelvins bridge Kit	02	12000

TERMS AND CONDITIONS

- The bid/quotation should be submitted in two bid format.
- The first envelope will contain Technical specifications of the product, technical literature/ leaflet and other documents mentioned below.
 1. Covering Letter for tender on the company letter head mentioning official address, Contact No, e Mail address and website (if available) address

2. Tender fee and EMD (3% of the quoted cost or Re. 5000 whichever is minimum) OR Exemption certificate from competent authorities, if exemption is claimed.
3. GST registration certificate/ Number
4. GST Clearance Certificate/ GST Challan for last quarter of the Financial year.
5. Authorization/ Distributorship certificate from manufacturer. Proof of permission to manufacture the equipment/ item mentioned in the quotation from competent authorities (to be submitted if the bidder is not a manufacturer).
6. Technical literature / leaflet of the make and model no of equipment quoted .

Additional document may also be asked by undersigned for confirming the details.

- The second envelope will contain the financial bid in which the all inclusive rates F.O.R. Destination will be written and signed with the stamp of the establishment in the following format.

Sr. No.	Name of the item with specification	Quantity required	All inclusive cost per unit	All inclusive cost for quantity mentioned
1.				

Date -
Place -

(Signature)
Rubber Stamp of organisation

- The two envelopes should be sealed with a mention of the type of envelope (technical/ Financial), Reference no., Date of opening the quotation on the front side of the envelope. These two envelopes should be sealed in a third envelope by giving heading "Quotation for supply of **electrical items**" and writing complete address of the undersigned.
- The quotations should reach the undersigned on or before **dt.09/02/2018**
- The material will be checked at this institute.
- No extra charges will be paid for cartage, packing etc. for the material rejected and replaced
- Quotations will be opened at **2.00 PM on dt 12/02/2018**
- Rates should be valid for 6 months from the date of confirmation letter.
- Materials should be quoted for standard makes and minimum pkgs.
- Delivery to the consignee has to be effected within 4weeks from the date of issue of purchase order.
- The undersigned reserves the right to accept or reject any offer or all offers without assigning any reason thereof.

()
Principal
Govt. Polytechnic,

Copy To :1) Main Notice Board , Govt. Polytechnic, Jalna
2)Programmer , Govt. Polytechnic, Jalna