

RAJIV GANDHI INSTITUTE OF TECHNOLOGY, KOTTAYAM

No. D1/3752/17/RIT

Dated: 26.07.2017

TENDER SCHEDULE

Superscription	: Tender No.D1/3752/17/RIT Supply of various equipments
Last date and time receipt of tender	: 22/08/2017 11 am
Date and time of opening of tender	: 22/08/2017 2 pm
Last date and time of sale of tender form	: 21/08/2017 2 pm
Date upto which the rates are to be firm	: 31/03/2018
Cost of tender form	: Original Rs.700/- + GST as applicable Duplicate Rs.400/- + GST as applicable By Post Rs.735/- + GST as applicable
Address of the Officer from whom Tender Forms are to be obtained to whom tenders are to be send	: THE PRINCIPAL, RAJIV GANDHI INSTITUTE OF TECHNOLOGY, KOTTAYAM VELLOOR.P.O, PAMPADY KERALA, PIN - 686 501

List of Items Required

Details of items	Quantity
1 List attached	

PRINCIPAL

List of Required items

SI No	Item with Specification	Qty
1	Watt Meter (3 phase)250V/ 500V; 10/20 A,upf, Dynamometer type Portable, laboratory type,housed in laminated bakelite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedge pointer. Scale length 140mm. Accuracy $\pm 1\%$ of full scale deflection as pr 1248/84.	2
2	Ammeter (Moving Iron) 0-15/30A, Portable moving iron AC meters, laboratorytype, housed in bakelite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedgepointer. Scale length 140 mm. Accuracyclass 1,($\pm 1\%$ of full scale deflection as per ISS 1248/2003) Sensitivity : 200 ohms/volts	14
3	Ammeter (Moving Coil) 0-1-2, Amps, Portable, laboratorytype, housed in bakelite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedgepointer. Scale length 140 mm. Accuracyclass 1,($\pm 1\%$ of full scale deflection as per ISS 1248/2003) Sensitivity : 200 ohms/volts	10
4	Ammeter (Moving Coil) 0-500 mA, Portable, laboratorytype, housed in bakelite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedgepointer. Scale length 140 mm. Accuracyclass 1,($\pm 1\%$ of full scale deflection as per ISS 1248/2003) Sensitivity : 200 ohms/volts	10
5	Ammeter (Moving Coil) 0-500 μ A, Portable , laboratorytype, housed in bakelite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedgepointer. Scale length 140 mm. Accuracyclass 1,($\pm 1\%$ of full scale deflection as per ISS 1248/2003) Sensitivity : 200 ohms/volts	15
6	Ammeter (Moving Coil) 0-100 μ A, Portable , laboratorytype, housed in bakelite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedgepointer. Scale length 140 mm. Accuracyclass 1,($\pm 1\%$ of full scale deflection as per ISS 1248/2003) Sensitivity : 200 ohms/volts	5
7	Voltmeter (Moving Coil) 0-5-10, Volts, Portable, laboratorytype, housed in bakelite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedgepointer. Scale length 150mm. Accuracyclass 1,($\pm 1\%$ of full scale deflection as per ISS 1248/2003) Sensitivity : 200 ohms/volts	10
8	Voltmeter (Moving Coil) 0-30, Volts, Portable, laboratorytype, housed in bakelite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedgepointer. Scale length 150mm. Accuracyclass 1,($\pm 1\%$ of full scale deflection as per ISS 1248/2003) Sensitivity : 200 ohms/volts	10
9	Digital Frequency meter, Range from 30Hz to 70 Hz	1
10	Wattmeter 250V/ 500V; 10/20 A,upf, Dynamometer type Portable, laboratory type,housed in laminated backlite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedge pointer. Scale length 140mm. Accuracy $\pm 1\%$ of full scale deflection as pr 1248/84.	3
11	Wattmeter 250V/ 500V; 2.5/5 A,upf, Dynamometer type Portable, laboratory type,housed in laminated backlite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedge pointer. Scale length 140mm. Accuracy $\pm 1\%$ of full scale deflection as pr 1248/84.	3
	Single Phase Power Factor Meter(250V,5A) electrodynamic meter type Accuracy $\pm 1.0\%$ of full scale	

12	value as per ISS 1248/84 between 10% to 100% of the scale Portable laboratory type,housed in laminated backlite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knife edge pointer.	2
13	3Phase Powerfactor meter: voltage range 300/600 current range 5/10amp 2 Element electrodyname meter type Accuracy $\pm 1.0\%$ of full scale value as per ISS 1248/84 between 10% to 100% of the scale ,breakdown voltage 2000V for 1 minute insulation resistance 20Mohm at 500V DC, Portable laboratory type,housed in laminated backlite cabinet with detachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedge pointer. Scale length 140mm.	2
14	Loading Rheostat(10kW,400V,three Phase)Loading : 10KW in steps of 0.5KW variable with Heavy duty rotary switches or MCB's are provided to Increase or decrease the resistance in steps.the Wire wound Rheostats are wound with the best quality Cu / Ni or Ni / Cr Alloy Resistor wire having negligible Temp. - Coefficient, on Vitreous enameled drawn Steel Tube / High Alumina based Ceramic Tube, Insulation test 2000 V A.C.Heavy duty insulated types terminals are provided on the front panel will also having necessary fuses and which also serve as input/output terminals.The unit must be housed in a well fabricated cubicle with necessary fins for ventilation, having castors wheels and cooling fan.Temperature Co-efficient Resistance - $\pm 50\%$ ppm - $\pm 100\%$ ppm,Type of Resistance Wire - Self oxidised / Bright Wire,Composition of Resistance Wire -56/44:copper/nickel or 80/20: nickel chrome	1
15	Single Phase Energy Meter(250V,5A, Induction Type)Accuracy class 1.0 frequency 50 \pm 5%Hz	3
16	Ammeter (Moving Coil) 0- 15 /30, Amps, Portable moving coil DC meters, laboratorytype, housed in laminated wooden cabinet withdetachable LID, leather belt and rubber shoesfor horizontal use with mirror scale and knifeedgepointer. Scale length 150mm. Accuracyclass 1,($\pm 1\%$ of full scale deflection as per ISS 1248/2003) Sensitivity : 200 ohms/volts in moving coil	10
17	3 Phase Auto transformer: Input 415 V 50Hz output 0- 470 V 15A Countinously variable, cooling AN Portable Type	3
18	1- Phase Auto transformer: Input 230 V +10%, 50Hz ; output 0- 270 V, 5A Countinously variable, cooling AN Portable Type	5
19	Flux Meter Measuring range:0~100mwb,Accuracy: $\pm 1.0\%$,Resolution:100 μ wb, Instability/drift:0.1 μ Wb/30s,Input resistance:1M Ω ,Functions:Maximum value hold/Measurement, automatic polarity indication,Sorting: setup maximum and minimum limits,Power supply: AC 220V~230V, 50Hz,Accessories:Helmholtz coil Dimension:Ø100 x 85mm(Standard)Structure:Ø100 x 50mm	1
20	Rheostat 100 ohm, 5A	5