

Rajiv Gandhi Institute of Technology, Kottayam

No. D3/2842/16/RIT

Dated: 23.02.2017

TENDER SCHEDULE

Superscription	: Tender No.D3/2842/16/RIT, Purchase of various Current Measuring Equipments for QIP Research Centre in EEE Department
Last date and time receipt of tender	: 21/03/2017 2 p.m
Date and time of opening of tender	: 25/03/2017 2 p.m
Last date and time of sale of tender form	: 21/03/2017 11 a.m
Date upto which the rates are to be firm	: 31/10/2017
Cost of tender form	: Original Rs.1890/- Duplicate Rs.Nil By Post Rs.Nil
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, VELLOOR P.O, PAMPADY, KOTTAYAM , KERALA, PIN - 686 501

List of Items Required

<u>Details of items</u>	<u>Quantity</u>
1 List attached	

PRINCIPAL

List of items required

Sl.No	Item	Specification	Quantity
1	AC/DC Current amplifier with current probe	AC/DC Current amplifier with current probe: AC/DC input coupling, range-1A/5A/10A/50A, band-width: DC-100MHz; Rise time is less than or equal to 23ns; autobalance,manual blance and with accessories; current probe: DC - 100MHz, 50A max, warranty:3 years.	2 nos
2	Clamp-on current probe	Clamp-on current probe Measurement Range: 1 A to 400 A ac rms,Output: 1 mA/A, Accuracy: 2 % +0.06 A,45 Hz to 400 Hz. Typical Bandwidth: 5 Hz to 20 kHz, 'WorkingVoltage: 1000 V ac rms, in compliance with EN61010, 'Common Mode Voltage: 1000 V ac rms from earth ground, in compliance with EN61010, Load Impedance: <10 ohm, Maximum Non-destructive Current: 1000 A, Duty Cycle:1 A to 400 A continuous,Influence'of Adjacent Conductor:<7.5 mA/A, Influence of Conductor Position in JawOpening: ±1.0% of reading+0` .05 A, warranty: 3 years.	2 nos
3	Clamp-on current meter	Mini Clamp-OnTest Meter for AC Leakage Current, 3/30mA/30/60 Amp nwith LCDdisplay; CAT III,600V; IEC safety standards 61010 and 61010-2-032; CE marking; powersupply-3V battery	2 nos
4	Flexible AC current probe	20k Hz bandwidth and adapter; Meter Side Connector: 4 mm Double Banana Plug, Shrouded; Probe Side Connector: Flexible Cord Probe; Current Range Min : 1A Current Range Max: 2kA For Use With: Fluke Multimeters, Recorders, Data Loggers Product Range: -Output: 100mV, 10mV, 1mV per A ; Current ProbeRange:Range: 1 Ato 2kA; Current Range AC: 20A, 200 A, 2000A; Safety Category: 600V CATIII ; cable Diameter Max: 178 mm Weight: 180 g; Battery Size Code : 2 x AA Battery Lifetime: 200h	2 nos
5	High voltage differential probe	High voltage differential probe Attenuation :50X / 500X, Differential Input Voltage:500X: ±1300 V, 50X: ±130 V, Common Mode Voltage:500X: ±1300 V, 50 X : ±130 V, Maximum Rated Input Voltage (each side rated to round):1000V CAT II , Bandwidth:100 MHz, Differential Input Impedance: 10 MΩ 2pF, Input Impedance between each Input and Ground: 5MΩ, 4 pF, Cable Length:1.8m, Typical CMRR:DC: >80 dB, 100 kHz : >60 dB, 3.2 MHz: >40 dB, 50 MHz: >30 dB, Accessories: 2 hook clips, 2 alligator clips, 2 pincer clips, 2 extension cables. For Use With: All Makes &Models of Oscilloscopes, Warranty: 3 years.	3 nos
6	Digital multimeter	Digital multimeter DMM Functions: AC/DC Current, AC/DC Voltage, Capacitance, Frequency, Resistance Current Measure AC Max: 10A; Current Measure DC Max: 10A ;Voltage Measure AC Max: 1kV ;Voltage Measure DC Max: 1kV ;Resistance Measure Max: 50Mohm ;DMM Response Type: True RMS Display Count: 6000 No. of Digits: 3.75; Range Selection : Auto, Manual, emperature Measuring Range Resolution: 0.1 C; Capacitance Measuring Range Resolution: 1nF; Current Measuring Range Resolution AC: 0.01mA; Voltage Measuring Range Resolution DC: 600mV to 1k V; 0.1mV Voltage Measuring Range DC:Safety Category: EN61010-1 ;Current Measuring Range DC: 60mA to 10A; Capacitance Range Accuracy: ± (1.2 %+2) DMM Type: Hand Held; Frequency Measuring Range Resolution: 0.01Hz Ranging: Auto, Manual Resistance	2 nos

Measuring Range Resolution: 0.1ohms ACVoltage Range
Accuracy: $\pm (1.0\%+3)$, Warranty: 3years.