

Rajiv Gandhi Institute of Technology, Kottayam

No. D3/2842/16/RIT

Dated: 26.04.2017

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 : 25/05/2017 2 p.m

Date and time of opening of tender : 31/05/2017 2 p.m

Last date and time of sale of tender form :

Date upto which the rates are to be firm : 31/03/2018

Cost of tender form : **Original Rs.1890/-**

Address of the Officer from whom Tender : THE PRINCIPAL,
Forms are to be obtained to whom tenders are RAJIV GANDHI INSTITUTE OF TECHNOLOGY,
to be send VELLOOR P.O,
PAMPADY,
KOTTAYAM ,
KERALA,
PIN - 686 501

List of Items Required

| <u>Details of items</u> | <u>Quantity</u> |
|----------------------------|-----------------|
| 1 As per the 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 balance 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, Working Voltage: 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 Jaw Opening: ±1.0% of reading +0.05 A, warranty: 3 years. | 2 nos |
| 3 | Clamp-on current meter | Mini Clamp-On Test Meter for AC Leakage Current, 3/30mA/30/60 Amp nwith LCD display; CAT III, 600V; IEC safety standards 61010 and 61010-2-032; CE marking; power supply-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 Probe Range: Range: 1 A to 2kA; Current Range AC: 20A, 200 A, 2000A; Safety Category: 600V CAT III ; 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, temperature 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 Measuring Range Resolution: 0.1ohms AC Voltage Range Accuracy: ± (1.0% +3), Warranty: 3 years. | 2 nos |