

Office of the Principal, Rajiv Gandhi Institute of Technology,
Kottayam

SHORT TENDER NOTICE

No. D1/4747/20/RIT

Dated: 09.05.2022

e-Re tenders are invited for the supply of Various Lab Equipments for the use of Building science Lab I in Architecture Engineering Department of Rajiv Gandhi Institute of Technology, Kottayam.

Sl.No	Tender No	Item
1	D1/4747/20/RIT	Temperature humidity meter (Specifications attached)
2	D1/4747/20/RIT	Solar power meter (Specifications attached)
3	D1/4747/20/RIT	Globe thermometer for the measurement of radiant heat,(Specifications attached)
4	D1/4747/20/RIT	Digital vane Anemometer(Specifications attached)
5	D1/4747/20/RIT	Hotwire thermal anemometer (Specifications attached)
6	D1/4747/20/RIT	Thermal imager (Specifications attached)
7	D1/4747/20/RIT	Sound source (Specifications attached)

Cost of e-tender

:₹ 2301/- including GST₹
351/-

Last date and time of submission of e- tender

:26/05/2022, 10 am

Date and time of opening of Technical Bid of E-tender

:28/05/2022, 03 pm

Date up to which rates are to be firm

:31/03/2023

Total Estimated cost- ₹ 6,72,000/-

Cost of tender form is acceptable only by on-line payment. As per condition the tenderer should send along with this tender an agreement executed and signed in Kerala Stamp paper worth Rs.220/- and Earnest money deposit ,1%(Minimum amount ₹ 1500/-) of the total cost of articles tendered. Tenders without agreement, tender form and Earnest money deposit will be rejected.

While filing the BOQ care should be there as only gross amount will be consider for financial bid. GST may be calculated on the total amount (column 13)and should be on par with government approved rate.

Dr. Sathishkumar C
Principal

Copy to 1.College website
2.SF/OC

List of Required Items

Sl. No.	Item	Quantity
1.	<p>Temperature humidity meter <u>Specifications</u> Display: 3 1/2 Digit LCD Range: -50 C~1300 C Resolution: 1° C Accuracy: ± 2 C~ -50 C to 0 C Battery: Standard 9 V battery(NEDA 1604, IEC 6F22)</p>	10 Nos.
2	<p>Solar power meter <u>Specifications</u> Display 3½ digits, 2000 readings Range 2000 W/m2, 634 BTU / (ft2xh) Resolution 0.1 W/m2, 0.1 BTU/ (ft2xh) Sampling time 0.25 second Power supply: 9 V battery x1</p>	3 Nos.
3	<p>Globe thermometer for the measurement of radiant heat <u>Specifications</u> Thermocouple type K Measuring range: 0 to + 120 ° c</p>	2 Nos.
	<p>Digital vane Anemometer 4 Digit LCD Backlight Display. - MAX - HOLD function. Measurement Units : knots, mph, Km/h, m/s, ft/min. Memory of maximum, minimum and average record</p>	

4	<p>for both temperature and wind speed — Air velocity average reading upto 8 multiple points. — Auto power off function — 2 meters coiled cable Operating Temperature Meter :0°C to 50°C (32° F ~122° F), < 75 % relative humidity Vane : 0°C to 60°C (32° F ~140° F), Storage Temperature: - 20°C to 55°C at < 80 % relative humidity</p>	4 Nos.
5	<p>Hotwire thermal anemometer with temperature measurement 0-500 C</p>	4 Nos.
6	<p>Thermal imager</p> <ol style="list-style-type: none"> 1. IR resolution (FPA size) 160 x 120 EPA 2. Spectral band 7.5 μm to 14 μm (long wave) 3. NETD (Thermal sensitivity) < or= 0.08°C at 30°C target temp (80 mK) 4. FOV(Field of view)22.5°H x 31°V 5. IFOV (Spatial resolution) 3.39 mRad 6. IR Fusion technology PIP (1.2 m (4 ft) to 4.6 m (15 ft)), FULL IR, FULL VISIBLE 7. Minimum IR focus distance 122 cm (48 in) 8. Battery (field-replaceable, rechargeable) <p>Memory storage minimum 2 GB SD memory card</p>	1 No.
7	<p>Sound source SOUND POWER LEVEL: 0 to 118 dB re 1 pW, mains operated 0 to 115 dB re 1 pW. battery operated Variable attenuation from 0 to —40 dB in 10 dB steps. SOUND POWER SPECTRUM :Wide band: 100 Hz to 4 kHz +0 dB to —10 dB re: max. level 63 Hz to 10 kHz, +0 dB to —30 dB re: max. level Spectrum I: Fulfills ASTM E 597 Spectrum II:Fulfills ASTM E 597 OVERLOAD INDICATION: Indicates max. sound power level (overload) and —3 dB re overload</p> <p>PINK NOISE OUTPUT: (to external fitter input): Pink Noise from 50 Hz to 10 kHz: 0.7 V RMS. Max. Load: 500 Ohm</p>	1 No.