अखिलभारतीयआयुर्विज्ञानसंस्थान, रायपुर(छत्तीसगढ़)
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क्रमांक. AIIMS/R/CS/Electrical items/17/15/LPC/A दिनांक: 12.12.2017

विषय : Inviting Quotations for purchase of Electrical items for Project cell (Electrical wing), AIIMS Raipur.

QUOTATION NOTICE

Sealed quotations are invited from intending registered Stockiest/ Distributors having GST No./relevant documents for supply of Electrical items Project cell (Electrical wing) AIIMS, Raipur and should be submitted to **Medical College Building, 2nd Floor, Gate no. 05** office of Store Officer up to 3:00 pm on 18.12.2017 item description as per detailed bellow

S.n. क्र. स.	Name of the Item आइटम का नाम	Qty मात्रा	Make / Model	HSN code एच.एस.एन कोड	UNIT RATE IN Rs. इकाइ दर रु में	GST@% जी.एस.टी @%	Unit rate incl. GST यूनिट दर जी.एस.टी सहित	Total amount in Rs कुल मूल्य
01	Anemometer Handheld	01 no.						
02	Hygrometer + Digital Temp Meter Handheld	01 no.						
03	LUx Meter Handheld	01 no.						
04	Earth Tester Clamp type (65 mm Jaw)	01 no.						
05	Clamp Meter 600 V & 600 Amp (AC/DC) with resistance, Capacitance , Continuity, Frequency Measurement	02 no.						
06	Clamp Meter 600 V & 400 Amp (AC/DC) with resistance, Capacitance , Continuity, Frequency Measurement	03 no.						
07	Digital multimeter 1000 V & 10A with resistance, Capacitance , Continuity, Frequency Measurement, Diode	04 no.						
08	IR Temp Gun (0- 300 Deg C)	01 no.						
09	Insulation Tester Hand Driven (500V/500mohm)	01 no.						
10	Insulation Tester (1000V/2000 Ohm) Battery operated	01 no.						

Note: 1. The instruments should be pre-calibrated.
2. Has to supplied with cable set (test lead) and all accessories
3. Provide with minimum 1 year warranty

नियम व शर्तें:

1. Rate should be mentioned in words & figure both.
2. Taxes, if any (should be clearly mention).
3. Delivery Schedule – within 15 days from the date of issue of PO.
4. Price should be FOR Destination basis.(i.e. concerned department)
5. LD @ 0.5% of delayed supply per week or part of week for delay of supply of material subject to maximum up to 10%. After expiry of delivery period material cannot be accepted without extension of delivery period.
6. Quotation No/Name and Due date of opening must be written on top of envelop.
7. GST rates applicable on your quoted item may please be confirmed. **HSN code** for each item should be clearly mention.
8. Please confirm if there any change (Upward/Reduction) in your Basic Price structure. And you are also requested to pass the Input Credit as per the following Anti Profiteering Clause of GST. "Upon Implementation of GST, any reduction in the rate of tax on supply of goods or service or the benefit of input tax credit shall be passed on to AIIMS Raipur by way of commensurate reduction in the prices.
9. In the event of increase in price, detailed justification and supporting evidence may be submitted for our consideration.
10. The GST registration details may please be furnished.
11. 100% payment against receipt and acceptance of material.
12. Validity of offer should not be less than 90 days
13. No Part supply or Part Payment will be entertained.
14. RTGS detail required for payment purpose.
15. Expenditure will be debitable to GIA-general.
16. Brand & Make should be clearly mentioned in offer (If require).
17. AIIMS Raipur reserve the right to place the order for full or part quantity to one or more items.
18. The Quantity of above column is totally tentative. It may be increased or decreased at the time of placement of order.

भंडार अधिकारी
अखिल भारतीय आयुर्विज्ञान संस्थान,
रायपुर (छ.ग.)

Annexure-A

s. n.	Item	Specification	Qty	Make
1	**Anemometer Handheld**	(1) Work height : Maximum 2000m (2) Work mode : Frequency of wind speed conversion (3) Sampling time : About 0.4s/time (4) Low battery indicator : + - sign displays on LCD (5) Maximum show value : 9999 (6) has USB PC Interface cable and software for recording data on the PC. (7) MAX/MIN Measurement and Record Function. (8) Measures Wind speed in m/s, km/h, ft/s, knots, mil/h, ft/m Scales (9) Measures Wind Volume in CFM, CMM, CMS Scale (10) Over-Range Indication **Technical Specification**: Wind Speed Measuring Range Resolution Accuracy m/s 0.80 ~ 30.00 m/s 0.01 m/s ±(2.0% reading + 50characters) 30.00 ~ 40.00 m/s km/h 1.40~108.00 km/h 0.01km/h ±(2.0% reading + 50 characters) 108.0 ~ 144.0 km/h ft/s 1.30 ~ 98.50 ft/s 0.01 ft/s ±(2.0% reading + 50 characters) 98.50 ~ 131.20 ft/s Knots 0.80 ~ 58.30 knots 0.01 knots ±(2.0% reading + 50 characters) 58.30~77.70 knots mil/h 0.90 ~ 67.20 mil/h 0.01mil/h ±(2.0% reading + 5 characters) 67.20~90.00 mil/h ft/m 78 ~ 5900 ft/m 1ft/m ±(2.0% reading + 5 characters) 5900 ~ 7874 ft/m Ambient Temperature, Dew Point Temperature, Wet Bulb Temperature: -10°C~60°C 0.1°C ±1.5°C 14°F~+140°F 0.1°F ± 2.7°F Relative Humidity: (20~80)%RH 0.1%RH ±3%RH@25°C (<20 or >80)%RH 0.1%RH ±5%RH@25°C Air Volume: Unit Range Area CFM 0 – 99990 0 - 9.999 ft^2 CMM 0 – 99990 0 - 9.999 m^2 CMS 0 – 9999 0 - 9.999 m^2 **NOTE: METRAVI make AVM-03 model or its equivalent or latest**	1	Metravi /Fluke /CIE /Yokogawa /Megger

2	**Hygrometer + Digital Temp Meter Handheld**	(1) Work height: Maximum 2000m (2) Sampling rate: 1/s (3) Sensor type: High-Accuracy digital temperature and humidity Module (4) Impact strength: Can withstand the impact of landing from 1 meter's height (5) Measures Temperature in Celsius and Fahrenheit Scales (6) MAX/MIN Record Function (7) LCD display: 4 Digit Backlit LCD Dual display. (8) Safety Confirms to: EN61326-1 (9) Pollution level: 2 (10) Working temperature and humidity: 0°C ~ 40°C (not greater than 90%RH) (11) Storage temperature and humidity: -20°C ~ 60°C (not greater than 75%RH) (12) Low battery indicator: + - sign displays on LCD (13) Data Hold (14) Auto Power Off (15) Overload Indication (16) Shows "MAX/MIN". **Technical Specification**: Function Range Resolution Accuracy Description Humidity 0 ~ 100.0%RH 0.1%RH ±5%RH Under normal temperature condition (23°C ±5°C) Temperature -10 ~ 60°C 0.1°C ±1°C Under normal humidity condition (40%RH ~ 75%RH) **NOTE: METRAVI make HT-305 model or its equivalent or latest**	1	Metravi /Fluke /CIE /Yokogawa /Megger
3	**Lux Meter Handheld**	(1) Measuring light source including all visible (2) Measures intensities of illumination in Lux or footcandles. (3) Sampling rate : 2.5 time per second (4) Cosine angular corrected (5) Low battery indicator (6) Over-Load Indication (7) data hold (8) auto range (9) Zero adjustment (10) Sensor: Silicon photodiode and filter (11) Measuring range: 20,200,2000,20000,200000Lux 20,200,2000,20000 Footcandles (12) Accuracy: ±3% (calibrated to standard incandescant lamp 2876K) ±6% other visible light source (13) Angle deviation from cosine charactristics: 30° ± 2% 60° ± 6% 80° ± 25% **NOTE: METRAVI make 1332A model or its equivalent or latest**	1	Metravi/Fluke /CIE /Yokogawa /Megger
4	**Earth Tester Clamp Types**	(1) Working Temprature: -10 °C - 55 °C (2) Relative humidity: 10%-90% (3) Span of Jaw: 32X65mm (4) Protection level: Double insulation (5) Range shift: Automatic (6) External magnetic field: < 40A/m (7) External electric field: < 1V/m (8) Single measuring time: 1 second (9) Resolution: .001Ω (10) Resistance measuring range: .01-1200Ω Range & Accuracies Range Resolution Accuracy 0.010-.099Ω 0.001Ω ±(1%+0.01Ω) 0.10-0.99Ω 0.01Ω ±(1%+0.01Ω) 1-49.9Ω 0.1Ω ±(1.5%+0.1Ω) 50-99.5Ω 5Ω ±(2%+0.5Ω) 100-199Ω 1Ω ±(3%+1Ω) 200-395Ω 5Ω ±(6%+5Ω) 400-590Ω 10Ω ±(10%+10Ω) 600-880Ω 20Ω ±(20%+20Ω) 900-1200Ω 30Ω ±(25%+30Ω) **NOTE: METRAVI make CET-02 model or its equivalent or latest**	**1**	Metravi/Fluke /CIE /Yokogawa /Megger

5	**Clampmeter 600 v & 600 Amp (AC/DC) WITH RESISTANCE, CAPACITANCE, Continuity, frequency measurement**	(1) AC response: True-rms for accurate measurements on non-linear signals (2) Min, max, average and inrush recording to capture variations automatically. (3) Safety rating CAT III 1000 V, CAT IV 600 V (4) Continuity: ≤ 30 Ω (5) Data Hold Range Resolution and Accuracy: Range / Resolution / Accuracy AC current via jaw: 600 A / 0.1 A / 2 % ± 5 digits AC current via iFlex™: 2500 A / 0.1 A / 3 % ± 5 digits DC current: 600 A / 0.1 A / 2 % ± 5 digits AC voltage: 600 V / 0.1 V / 1.5 % ± 5 digits DC voltage: 600 V / 0.1 mV / 1 % ± 5 digits Resistance: 60,000 Ω / 0.1 Ω / 1 % ± 5 digits Frequency: 500 Hz / 0.1 Hz / 0.5 % ± 5 digits Capacitance: 1 µF to 1000 µF / 1 µF / 1 % ± 4 digits **NOTE: FLUKE make 375 model or its equivalent or latest**	2	Metravi/Fluke /CIE /Yokogawa /Megger
6	**Clampmeter 600 v & 600 Amp (AC/DC) WITH RESISTANCE, CAPACITANCE, Continuity, frequency measurement**	(1) AC response: True-rms for accurate measurements on non-linear signals (2) Safety rating CAT III 600 V, CAT IV 300 V (3) Min, max (4) Data Hold Range and Accuracy: Range / Accuracy AC current: 40.00 A/400.0 A / 2 % ± 5 digits (45 Hz to 65 Hz) 2.5 % ± 5 digits (65 Hz to 400 Hz) DC current: 40.00 A/400.0 A / 2 % ± 5 digits AC voltage: 600.0 V / 1.5 % ± 5 digits DC voltage: 600.0 V / 1.0 % ± 5 digits Resistance: 400.0 Ω/4000 Ω/40.00 kΩ / 1 % ± 5 digits Frequency: 5.0 Hz to 500.0 Hz Capacitance: 100.0 µF to 1000 µF Continuity: ≤ 30 Ω Contact temperature: -10.0 °C to 400.0 °C (14.0 °F to 752.0 °F) **NOTE: FLUKE make 325 model or its equivalent or latest**	3	Metravi/Fluke /CIE /Yokogawa /Megger
7	**Digital Multimeter 1000 V & 10A with resistance, capacitance, continuity, frequency, Measurement, Diode**	(1) Work height : Maximum 2000m (2) Data Hold (3) Electromagnetic environment: IEC 61326-1: Portable (4) IP rating: IP 40 (5) Safety: IEC 61010-1, IEC61010-2-030 CAT III 600 V, CAT II 1000 V, Pollution Degree 2 Range Resolution and Accuracy: Range / Resolution / Accuracy AC volts (40 Hz to 500Hz): 4.000 V / 0.001 V / 1.0 % ± 3 40.00 V / 0.01 V 400.0 V / 0.1 V 1000 V / 1 V DC volts: 4.000 V / 0.001 V / .5 % ± 3 40.00 V / 0.01 V 400.0 V / 0.1 V 1000 V / 1 V AC millivolts: 400.0 mV / 0.1 mV / 3.0 % ± 3 DC millivolts: 400.0 mV / 0.1 mV / 1.0 % ± 10 Diode test: 2.000 V / 0.001 V / 10% Resistance (Ohms): 400.0 Ω / 0.1 Ω / 0.5 % ± 3 4.000 kΩ / 0.001 kΩ 40.00 kΩ / 0.01 kΩ 400.0 kΩ / 0.1 kΩ 4.000 MΩ / 0.001 MΩ 40.00 MΩ / 0.01 MΩ Capacitance: 40.00 nF / 0.01 nF / 2 % ± 5 400.0 nF / 0.1 nF / 2 % ± 5 4.000 µF / 0.001 µF / 5 % ± 5	4	Metravi/Fluke /CIE /Yokogawa /Megger

		40.00 µF 0.01 µF 5 % ± 5 400.0 µF 0.1 µF 5 % ± 5 1000 µF 1 µF 5 % ± 5 AC current µA 400.0 µA 0.1 µA 1.5 % ± 3 (40 Hz to 400 Hz) 4000 µA 1 µA AC current mA 40.00 mA 0.01 mA 1.5 % ± 3 (40 Hz to 400 Hz) 400.0 mA 0.1 mA AC current A 4.000 A 0.001 A (40 Hz to 400 Hz) 10.00 A 0.01A 1.5 % ± 3 DC current µA 400.0 µA 0.1 µA 1.5 % ± 3 4000 µA 1 µA DC current mA 40.00 mA 0.01 mA 1.5 % ± 3 400.0 mA 0.1 mA DC current A 4.000 A 0.001 A 1.5 % ± 3 10.00 A 0.01 A Function Overload Protection Input Impedance (Nominal) AC volts 1000V >10 MΩ <100 pF AC millivolts 400mV >1MΩ, <100 pF DC volts 1000V >10 MΩ <100 pF DC millivolts 400m >1MΩ, <100 pF **NOTE: FLUKE make 15B+ model or its equivalent or latest**		
8.	**IR Temp gun (0-300 Deg C)**	(1) Operating temperature 0 °C to 50 °C (32 °F to 122 °F) (2) Storage temperature -20 °C to +60 °C (-4 °F to 140 °F), (without battery) (3) Operating humidity 10 % to 90 % RH non-condensing @ 30 °C (86 °F) (4) Operating altitude 2000 meters above mean sea level (5) Storage altitude 12,000 meters above mean sea level (6) Drop test: 1m Temperature range: -30 °C to 350 °C (-22 °F to 662 °F) Accuracy (Calibration geometry with ambient temperature 23 °C ±2 °C): ≥ 0 °C: ± 2.0 °C or ± 2.0 % of reading, whichever is greater ≥ -10 °C to <0 °C ± 2.0 °C < -10 °C ± 3.0 °C ≥ 32 °F ± 4.0 °F or ± 2.0 % of reading, whichever is greater ≥ 14 °F to <32 °F ± 4.0 °F < 14 °F ± 6.0 °F Response rime (95 %) <500 ms (95 % of reading) Spectral response 8 µm to 14 µm Emissivity 0.10 to 1.00 Distance to spot ratio 8:1 (calculated at 90 % energy) Display resolution 0.1 °C (0.2 °F) Repeatability ±1.0 % of reading or ±1.0 °C (% of reading) (±2.0 °F), whichever is greater Ingress protection rating: IP40 per IEC 60529 Vibration and shock: IEC 68-2-6 2.5 g, 10 to 200 Hz, IEC 68-2-27, 50 g, 11 ms Compliance: EN/IEC 61010-1 Laser safety: FDA and EN 60825-1 Class II Electromagnetic compatibility: 61326-1 EN 61326-2 **NOTE: FLUKE make 59 Max model or its equivalent or latest**	1	Metravi/Fluke/CIE /Yokogawa /Megger
9	**Insulation Tester Hand Driven (500V/500 Mohm)**	(1) Accuracy confirm to ISS: 2992-1987 (2) Rotation speed: 160 or more RPM (3) High voltage test: withstand minimum 2000 volts or (rated voltage + 1000) (4) volt AC (rms) between the electrical circuit and handle for 1 minute. (5) Response time: 3 second	1	Metravi /Fluke/CIE /Yokogawa /Megger
10	**Insulation Tester (1000V/2000 Ohm) Battery operated**	(1) Insulation Resistance Test : 0-500 MΩ (2) Rated Voltage : 1000 V	1	Metravi/ Fluke/CIE /Yokogawa /Megger