

DEPARTMENT OF TECHNICAL EDUCATION

GOVERNMENT ENGINEERING COLLEGE WAYANAD, MANANTHAVADY.


TEL:04935-271261

No.D1/4259/17/GECWYD

Dated:14/08/2017

SHORT TENDER NOTICE

Sealed tenders are invited for the supply of equipments for the use of Power Electronics and Instrumentation Lab in Electronics and Communication Engineering department of Government Engineering College,Wayanad. The tenders should be superscribed the **Tender No:10/2017-18** due on **20/09/2017 at 2.PM** and addressed to the Principal Government Engineering College Wayanad. Late tenders will not be accepted. The tenders will be **opened at 3. PM on 20/09/2017** in the presence of such of the tenders or their authorised representatives who may be present at the time. Intending tenderers may on application to the Principal, Government Engineering College Wayanad, obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of **Rs.896/-**which is the price fixed for a form / set of form and which is not refundable under any circumstances. Those who need the tender form by post should send M.O.Rs.940/- to the Principal, Government Engineering College Wayanad. The tender forms are not transferable. Detailed specification of the item will be obtained from the office along with tender form. Sale of tender forms will be **closed at 1 PM on 20/09/2017**.DD/Cheque /Postage stamps etc. will not be accepted towards the cost of the tender forms not will forms be sent by VPP. Duplicate tender forms, if required will be issued at Rs.448/- per copy.As per condition the tenderer should send along with his tender an preliminary agreement executed and signed in Kerala Stamp paper value of Rs.200/- and Earnest money deposit 1% of the total cost of articles tendered. Tenders without agreement, tender form and Earnest money deposit will be rejected.


PRINCIPAL
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GOVT. ENGINEERING COLLEGE, WAYANAD
MANANTHAVADY, PIN: 670644

NB. The format of agreement is attached in page No. 8 of the tender form.

DEPARTMENT OF TECHNICAL EDUCATION

GOVERNMENT ENGINEERING COLLEGE, WAYANAD

No.D1/4259/17/GECWYD

Dated: 14/08/2017

The Principal,

Govt. Engineering College Wayanad, Mananthavady,

Thalappuzha - 670644 Phone: 04935 271261

Web: www.gecwyd.ac.in/downloads/tenders

TENDER NOTICE

Supply of equipments for the use of Power Electronics and Instrumentation Lab in Electronics and Communication Engineering department of Government Engineering College, Wayanad.

Cost of tender form original	:Rs.800+12%GST=896/-
Cost of tender for duplicate	:Rs.448/-
By Post(Original)	:Rs.940/-
Last date and time of scale of tender form	:20/09/2017 at 1.pm
Last date and time receipt of tender	:20/09/2017 at 2.pm
Date and time of opening of tender	:20/09/2017 at 3.pm

PAC=358000/-

EMD:3580/-



Dr. Abdul Hameed KM

Principal
GOVT. ENGINEERING COLLEGE, WAYANAD,
MANANTHAVADY, PIN: 670644

- Copy to
- 1.The Superintendent, Govt. Presses, Thiruvananthapuram.
 - 2.The Additional Director, Public Relation Office, Govt. Secretariate, Thiruvanthapuram.
 - 3.Sri.Abid Tharavattathu, Computer Programmer, for publishing College webste.
 - 4.SF&OC

GOVERNMENT ENGINEERING COLLEGE,WAYANAD

Details of items with specification


Sl. No.	Name of Item	Technical Specification	Number of Items Required	Remarks
1.	VARIABLE AUTO TRANSFORMER, SINGLE PHASE, CLOSED TYPE, 230 V, 270 VAC, 5 A	INPUT VOLTAGE: 230 VOLTS 1 PHASE AC 50 HZ AND OUTPUT VOLTAGE : 0-270 VOLTS, WITH NO WAVEFORM DISTORTION, PORTABLE, BANANA SOCKETS FOR POWER SUPPLY, CLOSED CONSTRUCTION, TO BE DESIGNED FOR USE ON THE TOP OF A TABLE WITH USER MANUAL & WARRANTY 2 YEARS.	2	
2.	ISOLATION TRANSFORMER, SINGLE PHASE, INPUT VOLTAGE:0-230V, OUTPUT VOLTAGE:115V-0-115V, 5 A	ISOLATION TRANSFORMER, SINGLE PHASE, INPUT VOLTAGE:0-230V, OUTPUT VOLTAGE:115V-0-115V, 5 A, EFFICIENCY MORE THAN 98%,WITH NO WAVEFORM DISTORTION, PORTABLE, BANANA SOCKETS FOR POWER SUPPLY, CLOSED CONSTRUCTION, TO BE DESIGNED FOR USE ON THE TOP OF A TABLE WITH USER MANUAL & WARRANTY 2 YEARS.	2	
3.	ISOLATION TRANSFORMER, SINGLE PHASE, INPUT VOLTAGE:0-230V, OUTPUT VOLTAGE:0-230V,, 2A AND WITH 5PIN SOCKET FOR POWER SUPPLY	ISOLATION TRANSFORMER, SINGLE PHASE, INPUT VOLTAGE:0-230V, OUTPUT VOLTAGE:0-230V, 2 A, EFFICIENCY MORE THAN 98%,WITH NO WAVEFORM DISTORTION, PORTABLE, CLOSED CONSTRUCTION, TO BE DESIGNED FOR USE ON THE TOP OF A TABLE AND WITH 5PIN SOCKET FOR POWER SUPPLY WITH USER MANUAL & WARRANTY 2 YEARS.	15	
4.	AC/DC CURRENT PROBE 100 A, 100 KHZ BANDWIDTH, 10MV/A, 100MV/A SCALING	AC/DC CURRENT PROBE 100 A, 100 KHZ BANDWIDTH, 10MV/A, 100MV/A SCALING WITH USER MANUAL & WARRANTY 2 YEARS.	1	
5.	DUAL DC VARIABLE POWER SUPPLY 30 V- 0- 30V, 2 A, WITH OVERLOAD AND SHORT CIRCUIT PROTECTION AND WITH DIGITAL DISPLAY	DUAL DC VARIABLE POWER SUPPLY 30 V- 0- 30V, 2 A, BANANA SOCKETS POWER SUPPLYWITH OVERLOAD AND SHORT CIRCUIT PROTECTION AND WITH DIGITAL DISPLAY WITH USER MANUAL & WARRANTY 2 YEARS.	5	

6.	DIGITAL MULTIMETER-31/2 DIGIT 1999 COUNT LCD, 17mm LARGE LCD WITH AUDIBLE CONTINUITY, DIODE & HFE TEST	3 1/2 DIGIT 1999 COUNT LCD, 17mm LARGE LCD WITH AUDIBLE CONTINUITY, DIODE & HFE TEST AC VOLTAGE-200mV / 2 / 20 / 200 / 750V AC CURRENT-200µA / 2mA / 20mA / 200mA / 20A (50-500Hz) DC VOLTAGE-200mV / 2 / 20 / 200 / 1000V DC CURRENT-200µA / 2mA / 20mA / 200mA / 20A RESISTANCE-200Ω / 2kΩ / 20kΩ / 200kΩ / 2000kΩ / 20MΩ / 200MΩ DIODE TEST, AUDIBLE CONTINUITY, HFE TEST WITH USER MANUAL & WARRANTY 2 YEARS.	10
7.	DC AMP METER -200 A AC AND DC CURRENT AND 600 V AC AND DC VOLTAGE	AC CURRENT 200A(RANGE) 0.1A (RESOLUTION)2% ± 5 DIGITS (45-65HZ) 2.5% ± 5 DIGITS (65-400HZ)(ACCURACY) DC CURRENT 200A(RANGE) 0.1A (RESOLUTION)2% ± 5 DIGITS(ACCURACY) AC VOLTAGE 600 V(RANGE) 0.1 V (RESOLUTION)1.5% ± 5 DIGITS (45-400HZ) (ACCURACY) DC VOLTAGE 600 V(RANGE) 0.1 V(RESOLUTION) 1% ± 5 DIGITS(ACCURACY) RESISTANCE 300/3000Ω(RANGE) 0.1/1Ω (RESOLUTION)1% ± 5 DIGITS(ACCURACY) CONTINUITY ≤70Ω(RANGE) SAFETY RATING CAT III 600 V WITH USER MANUAL & WARRANTY 2 YEARS.	2
8.	PORTABLE DC ANALOG VOLTMETER(0V TO 1V)	HOUSED IN BAKELITE CASE WITH KNIFE EDGE POINTER & ANTIPARALLAX MIRROR, SCALE OF 140mm LENGTH , QUICK RESPONSE DUE TO UNIQUE DAMPING, CONFIRMING TO BS 89, IEC51 & ISS 1248 RATED ACCURACY : CLASS 1.0 (1% OF FULL SCALE VALUE) AS PER IS 1248/84 BETWEEN 10% - 100% OF THE SCALE WITH USER MANUAL & WARRANTY 2 YEARS.	10
9.	PORTABLE DC ANALOG VOLTMETER0V TO 10V	HOUSED IN BAKELITE CASE WITH KNIFE EDGE POINTER & ANTIPARALLAX MIRROR, SCALE OF 140mm LENGTH , QUICK RESPONSE DUE TO UNIQUE DAMPING, CONFIRMING TO BS 89, IEC51 & ISS 1248 RATED ACCURACY : CLASS 1.0 (1% OF FULL SCALE	10

		VALUE) AS PER IS 1248/84 BETWEEN 10% - 100% OF THE SCALE WITH USER MANUAL & WARRANTY 2 YEARS.		
10.	PORTABLE DC ANALOG VOLTMETER 0V TO 30V	HOUSED IN BAKELITE CASE WITH KNIFE EDGE POINTER & ANTIPARALLAX MIRROR, SCALE OF 140mm LENGTH , QUICK RESPONSE DUE TO UNIQUE DAMPING. CONFIRMING TO BS 89, IEC51 & ISS 1248 RATED ACCURACY : CLASS 1.0 (1% OF FULL SCALE VALUE) AS PER IS 1248/84 BETWEEN 10% - 100% OF THE SCALE WITH USER MANUAL & WARRANTY 2 YEARS.	10	
11.	PORTABLE DC ANALOG AMMETER 0uA TO 100uA	HOUSED IN BAKELITE CASE WITH KNIFE EDGE POINTER & ANTIPARALLAX MIRROR, SCALE OF 140mm LENGTH , QUICK RESPONSE DUE TO UNIQUE DAMPING. CONFIRMING TO BS 89, IEC51 & ISS 1248 RATED ACCURACY : CLASS 1.0 (1% OF FULL SCALE VALUE) AS PER IS 1248/84 BETWEEN 10% - 100% OF THE SCALE WITH USER MANUAL & WARRANTY 2 YEARS.	10	
12.	PORTABLE DC ANALOG AMMETER 0mA TO 1mA	HOUSED IN BAKELITE CASE WITH KNIFE EDGE POINTER & ANTIPARALLAX MIRROR, SCALE OF 140mm LENGTH , QUICK RESPONSE DUE TO UNIQUE DAMPING. CONFIRMING TO BS 89, IEC51 & ISS 1248 RATED ACCURACY : CLASS 1.0 (1% OF FULL SCALE VALUE) AS PER IS 1248/84 BETWEEN 10% - 100% OF THE SCALE WITH USER MANUAL & WARRANTY 2 YEARS.	10	
13.	PORTABLE DC ANALOG AMMETER 0mA TO 10mA	HOUSED IN BAKELITE CASE WITH KNIFE EDGE POINTER & ANTIPARALLAX MIRROR, SCALE OF 140mm LENGTH , QUICK RESPONSE DUE TO UNIQUE DAMPING. CONFIRMING TO BS 89, IEC51 & ISS 1248 RATED ACCURACY : CLASS 1.0 (1% OF FULL SCALE VALUE) AS PER IS 1248/84 BETWEEN 10% - 100% OF THE SCALE WITH USER MANUAL & WARRANTY 2 YEARS.	10	
		HOUSED IN BAKELITE CASE WITH KNIFE EDGE POINTER & ANTIPARALLAX MIRROR, SCALE OF 140mm LENGTH , QUICK RESPONSE DUE TO UNIQUE		

14.	PORTABLE DC ANALOG AMMETER 0mA TO 100mA	DAMPING, CONFIRMING TO BS 89, IEC51 & ISS 1248 RATED ACCURACY : CLASS 1.0 (1% OF FULL SCALE VALUE) AS PER IS 1248/84 BETWEEN 10% - 100% OF THE SCALE WITH USER MANUAL & WARRANTY 2 YEARS.	10
15.	LINEAR VARIABLE DIFFERENTIAL TRANSDUCER TRAINER KIT	RANGE: ± 20 mm. (ACCURACY ± 1 mm, ± 1 DIGIT) MOVING ACTION: 6 WIRES, SPRING LOADED TYPE AXIAL. ON BOARD HAVING THE FOLLOWING BUILT IN PARTS. (A) ± 12 V D.C. AT 50mA I.C. REGULATED POWER SUPPLY FOR SINE WAVE OSCILLATOR. (B) 4KHZ FIXED SINE WAVE OSCILLATOR HAVING VARIABLE AMPLITUDE 0-10V (P-P). (C) DIGITAL PANEL METER $3\frac{1}{2}$ DIGITS RANGE 200mV. (D) DETECTOR CIRCUIT WITH OUTPUT ADJUSTMENT POTENTIOMETER. MAINS ON/OFF SWITCH AND FUSE. ADEQUATE NO. OF PATCH CORDS STACKABLE 4MM SPRING LOADED PLUG LENGTH $\frac{1}{2}$ METRES., TERMINAL/SOCKETS IS TO BE PROVIDED AT APPROPRIATE PLACES ON PANEL FOR CONNECTIONS OBSERVATION OF WAVEFORMS. WITH USER MANUAL & WARRANTY 2 YEARS.	1
16.	TEMPERATURE CONTROLLER TRAINER KIT USING RTD	± 12 V DC AT 100 mA. IC REGULATED POWER SUPPLY. IMPLEMENTATION OF WHEATSTONE BRIDGE IN TEMPERATURE CONTROL SYSTEM. RELAY 12 V DC, ONE CHANGE OVER. $3\frac{1}{2}$ DIGITS DISPLAY PANEL METER, TO DISPLAY TEMPERATURE IN $^{\circ}$ C. RTD SENSOR WITH 3 PIN CONNECTOR. ONE SWITCH FOR SETTING TEMPERATURE ON ONE SIDE AND TO READ ACTUAL TEMPERATURE ON OTHER SIDE. POTENTIOMETER TO CONTROL TEMPERATURE. AC MAINS SOCKET TO CONNECT LOAD WHOSE TEMPERATURE IS TO BE CONTROLLED. MAINS ON/OFF SWITCH AND FUSE 400 mA. THE UNIT IS OPERATIVE ON $230V \pm 10\%$ AT 50Hz AC MAINS, TERMINAL/SOCKETS IS TO BE PROVIDED AT APPROPRIATE PLACES ON PANEL FOR CONNECTIONS/ OBSERVATION OF WAVEFORMS. WITH USER MANUAL & WARRANTY 2 YEARS.	1

17.	THERMISTOR/THERMOCOUPLE TRAINER KIT	<p>TRANSUCERS : 4 NOS.: I. NTC. THERMISTOR, II. PLATINUM R.T.D., III. K TYPE THERMOCOUPLE, IV. IC TEMPERATURE SENSOR. HEATING ELEMENT: WIRE-WOUND RESISTANCE 47 W.. SIGNAL CONDITIONING CIRCUITRY : 1. INSTRUMENTATION AMPLIFIER 2. X100 AMPLIFIER 3. DC AMPLIFIER 4. COMPARATOR 5. ELECTRONIC SWITCH.</p> <p>INPUT CIRCUITS: ROTARY & SLIDE POTENTIOMETERS, OUTPUT CIRCUITS : 1. RELAY 2. BUZZER</p> <p>INTERCONNECTIONS : 4mm. BANANA SOCKETS</p> <p>POWER SUPPLY : 220 V ±10 %, 50 HZ / 60 HZ, POWER CONSUMPTION : 2 VA (APPROX.) DIMENSIONS (MM) . W 340 × D 240 × H 105, ACCESSORIES : LINE CORD, SET OF PATCH CORDS.</p> <p>WITH USER MANUAL & WARRANTY 2 YEARS.</p>	1	
18.	PRESSURE TRANSDUCER TRAINER KIT	<p>PRESSURE TRANSDUCER : 0 TO 100 PSI, DIFFERENTIAL INPUT PRESSURE GAUGE : 0 TO 150 PSI PRESSURE VESSEL : 0 TO 100 PSI SAFETY VALVE : 0 TO 100 PSI VALVES : NON-RETURNING VALVE & MANUAL VALVE</p> <p>HOSES : 1.5 m FOOT PUMP : 0 TO 150 PSI V-I SPECIFICATION : 0 TO 5 VDC INPUT, 4 TO 20mA</p> <p>OUTPUT, BUZZER INDICATOR : 5VDC LED INDICATOR : 5V DC DIGITAL VOLTMETER : 0 TO 10V, TEST POINTS : 18 NOS., PC INTERFACE : USB, POWER SUPPLY : 220 V+ 10%, 50 HZ. WITH USER MANUAL & WARRANTY 2 YEARS.</p>	1	


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