

DEPARTMENT OF TECHNICAL EDUCATION

GOVERNMENT ENGINEERING COLLEGE WAYANAD, MANANTHAVADY.

TEL:04935-271261

No.D1/2123/17/GECWYD

Dated:09/05/2017

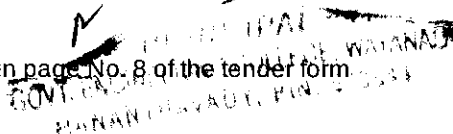
SHORT TENDER NOTICE

Sealed tenders are invited for the supply of Equipment's for Heat and Mass Transfer Lab as per KTU Syllabus of Mechanical Engineering department in Government Engineering College, Wayanad.

The tenders should be superscribed the Tender No:03/2017-18 due on 07/06/2017 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 07/06/2017 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.945/- 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.980/- 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 07/06/2017.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.475/- per copy.As per condition the tenderer should send along with his tender an priliminary 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

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



DEPARTMENT OF TECHNICAL EDUCATION

GOVERNMENT ENGINEERING COLLEGE, WAYANAD

No.D1/2110/17/GECWYD

Dated: 07/05/2017

The Principal, Govt. Engineering College Wayanad, Mananthavady,

Thalappuzha - 670644 Phone: 04935 271261 Web: www.gecwya.ac.in/downloads/tenders

TENDER NOTICE

supply of Equipment's for HMT Lab as per KTU Syllabus in Mechanical Engineering department

Cost of tender form original	:900+5%vat=945/-
Cost of tender for duplicate	:475/-
By Post(Original)	:980/-
Last date and time of scale of tender form	:07/06/2017 at 1.pm
Last date and time receipt of tender	:07/06/2017 at 2.pm
Date and time of opening of tender	:07/06/2017 at 3.pm

PAC:444900/-

EMD:4450/-

Dr. Abdul Hameed KM

Principal



Detailed Item with Specification:-

SL.No	ITEM AND SPECIFICATION	QUANTITY
1.	<p style="text-align: center;">STEFAN BOLTZMAN APPARATUS</p> <p>HEMISPHERE</p> <ul style="list-style-type: none"> • Diameter : 200 Mm. Material : Copper <p>OUTER JACKET</p> <p style="padding-left: 40px;">Diameter : 250 Mm. Material : Copper</p> <p>HYLUM BASE PLATE</p> <ul style="list-style-type: none"> • Thick :12 mm • Test Disc Size : 20 mm Dia X 1.5 mm Thick <p>WATER TANK WITH IMMERSION HEATER</p> <ul style="list-style-type: none"> • Material : S.S. <p>MEASURING INSTRUMENTS</p> <ul style="list-style-type: none"> • Digital Temp. Indicator with Selector Switch. : Ambient To 199.9 Deg.C. <p>THERMOCOUPLES</p> <ul style="list-style-type: none"> • Type : Cr.Al. Length : 1 Mtr 	1
2.	<p style="text-align: center;">HEAT TRANSFER THROUGH COMPOSITE WALL</p> <p>MILD STEEL, ASBESTOS & COPPER SLABS</p> <ul style="list-style-type: none"> • Thickness : 150 OD 6 mm Thick <p>MEASURING INSTRUMENTS</p> <ul style="list-style-type: none"> • Digital Voltmeter, Range : 0 To 300 V • Digital Ammeter, Range : 0 To10 Amps • Digital Temp. Indicator with Selector Switch. : Ambient To 	1

199.9 Deg.C.

THERMOCOUPLES

- Type : Cr.Al * Length : 1 Mtr

ELECTRONIC DIMMER

Range : 0 To 220 Volts Ac

HEAT PIPE DEMONSTRATOR

HEAT PIPES

- Material : Brass
- Diameter : 25 Mm (Approx.)
- Length : 300 Mm (Approx.)
- Material : Copper
- Diameter : 25 Mm (Approx.)
- Length : 300 Mm (Approx.)
- Material : S.S.
- Diameter : 25 Mm (Approx.)
- Length : 300 Mm (Approx.)

COOLING JACKETS

- Size : 150 X 100 X 50 Mm(Approx.)
- Material : S.S. * Quantity : 3 Nos.

MEASURING INSTRUMENTS

- Digital Voltmeter, Range : 0 To 300 V
- Digital Ammeter, Range : 0 To 10 Amps
- Digital Temp. Indicator with Selector Switch. : Ambient To 199.9 Deg.C.

THERMOCOUPLES

- Type : Cr.Al. *Length : 1 Mtr

ELECTRONIC DIMMER

3.

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Range : 0 To 220 Volts Ac

**THERMAL CONDUCTIVITY OF INSULATING POWDER
(CONCENTRIC SPHERE)**

OUTER SPHER (TOP AND BOTTOM)

- Diameter : 20 Cm. *Material : Copper

INNER SPHERE (TOP AND BOTTOM)

- Diameter : 10 Cm.*Material : Copper

MEASURING INSTRUMENTS

- Digital Voltmeter, Range : 0 To 300 V
- Digital Ammeter, Range : 0 To 10 Amps
- Digital Temp. Indicator With Selector Switch
- Range: Ambient To 199.9 Deg.C.

THERMOCOUPLES

- Type : Cr. Al. *Length : 1 Mtr.

ELECTRONIC DIMMER

Range : 0 To 220 Volts Ac

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THERMAL CONDUCTIVITY OF LIQUIDS

CONTROL HEATER PLATE:

- Diameter : 90 Mm (Approx.)
- Material : Brass
- Heater Ring
- Diameter : 100/150mm Inner / Outer(Approx)
- Cooling Plate
- Diameter : 90 Mm (Approx.)
- Height of Specimen: 50 Mm (Approx.)

MEASURING INSTRUMENTS:

5.

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- Digital Voltmeter, Range : 0 To 300 V
- Digital Ammeter, Range : 0 To 10 Amps
- Digital Temp. Indicator with Selector Switch. Ambient To 199.9 Deg.C.

THERMOCOUPLES:

- Type : Cr.Al. *Length : 1 Mtr

ELECTRONIC DIMMER

Range : 0 To 220 Volts Ac

CALIBRATION OF THERMOCOUPLE

- 'J' type Thermocouple used as sensor
- One AD590 sensor for cold junction compensation
- Signal conditioner for 'J' type thermocouple output: 0-5V
- Built in Instrumentation power supply
- 3½ digit digital indicator to display the temperature.
- Offset variable provision
- An optional heating Source.
- Detailed Documentation.

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PRINCIPAL
 GOVT. ENGINEERING COLLEGE
 MAHARAJA RAJESWARI