


Kerala Tenders		eTendering System Government of Kerala	
Tender Details			
Date : 20-May-2023 12:18 PM			
 Print			
Basic Details			
Organisation Chain	Directorate of Technical Education Govt. Engineering College Thrissur		
Tender Reference Number	D1/3902/23/GECTCR		
Tender ID	2023_DTE_576816_1		
Tender Type	Open Tender	Form of contract	Item Wise
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Online	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No
Payment Instruments		Cover Details, No. Of Covers - 2	
Online Bankers	S.No	Bank Name	
	1	SBI MOPS	
Cover No	Cover	Document Type	Description
1	Fee/PreQual /Technical	.pdf	Scanned copy of Duly Filled and Signed preliminary agreement of Rs. 220/- Kerala stamp paper
		.pdf	Scanned copy of duly signed and filled tender form
		.pdf	EMD Exemption certificate if any
		.pdf	Detailed Product brochure
		.pdf	Detailed specification of the item
		.pdf	Manufacturers authorisation Certificate if any
		.pdf	GST certificate
2	Finance	.xls	Price Bid
Tender Fee Details, [Total Fee in ₹ * - 1,416]			
Tender Fee in ₹	1,416		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	Yes		
EMD Fee Details			
EMD Amount in ₹	5,840	EMD through BG/ST or EMD Exemption Allowed	Yes
EMD Fee Type	percentage	EMD Percentage	1.0%
EMD Payable To	Nil	EMD Payable At	Nil
Click to view modification history			

Work / Item(s)					
Title	Supply of various Equipments for Mechanical Engineering Department				
Work Description	Supply of various Equipments for Mechanical Engineering Department				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	5,84,000	Product Category	Equipments	Sub category	Mechanical equipments
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	60
Location	GOVERNMENT ENGINEERING COLLEGE, THRISSUR	Pincode	680009	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	GOVERNMENT ENGINEERING COLLEGE, THRISSUR
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates			
Publish Date	17-May-2023 02:00 PM	Bid Opening Date	09-Jun-2023 02:00 PM
Document Download / Sale Start Date	17-May-2023 03:00 PM	Document Download / Sale End Date	07-Jun-2023 02:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	17-May-2023 04:00 PM	Bid Submission End Date	07-Jun-2023 02:00 PM

Tender Documents					
NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	Tender Notice	392.94	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	tenderform.pdf	Tender Form	2391.54
	2	Tender Documents	Tenderagreement.pdf	Preliminary Agreement	67.61
	3	Tender Documents	Specification.pdf	Specification	310.15
	4	BOQ	BOQ_851786.xls	Price Shedule	292.00

Bid Openers List			
S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	kgjestin@gmail.com	JESTIN K G	JESTIN K G
2.	ursdhanya@gmail.com	DHANYA V S	DHANYA V S
3.	leethajoseph@gmail.com	LEETHA JOSEPH	LEETHA JOSEPH

Tender Properties			
Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Show Bids Details	Yes
BoQ Comparative Chart model	Normal	BoQ Compative chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

Tender Inviting Authority

Name	Principal
Address	GOVERNMENT ENGINEERING COLLEGE, THRISSUR - 680009

Tender Creator Details

Created By	JESTIN K G
Designation	SENIOR CLERK
Created Date	17-May-2023 12:01 PM

GOVERNMENT ENGINEERING COLLEGE, THRISSUR
NOTICE INVITING e-TENDER

D1/3902/23/GECTCR

17.05.2023

Tender No. : **D1/5/23-24**

Superscription : Purchase of various Equipments for Heat Transfer
Lab of Mechanical Engineering Department

Bidding fee : Rs.1416/-(1200+18%GST)

EMD required : Rs. 5840/-

Address of the Officer to whom hardcopy is to be sent. : THE PRINCIPAL, GOVERNMENT
ENGINEERING COLLEGE,
THRISSUR-680009

Item Details

Sl. No	Item With Specification	Qty
1	Thermal conductivity measurement of metal rod apparatus (Detail Specification Attached) Warranty: Minimum One Year Warranty	2 Nos
2	Thermal conductivity of Composite slab apparatus (Detail Specification Attached) Warranty: Minimum One Year Warranty	2 Nos
3	Thermal conductivity of insulating powder apparatus (digital temperature display with 0.1 degree Celcius precision) (Detail Specification Attached) Warranty: Minimum One Year Warranty	2 Nos
4	1 shell pass 2 tube pass heat exchanger test set up with, flow and temperature measurement devices (Detail Specification Attached) Warranty: Minimum One Year Warranty	2 Nos
5	Emissivity of metal plate apparatus, with two separate heater and controls with two voltmeters ammeters, solid state variac (separate voltmeter, ammeter and dimmerstat for test and reference plates) both plates shall be heated simutaneously, with 3 decimal points (Ampere) precision digital Ammeter (Detail Specification Attached) Warranty: Minimum One Year Warranty	2 Nos

General conditions

1. The unit price, all other charges such as delivery, transporting, packing, shipping, loading and unloading charges etc, and GST must be shown separately and should be furnished unambiguously.

2. Payment will be made only after the successful supply, installation and testing.

3. F.O.R: Govt. Engineering College, Thrissur.

4. Agreement: Preliminary Agreement in Rs.220/- Kerala Stamp Paper.
5. Date of opening of tender: In case the proposed date declared as holiday, the tender will be opened on the next working day.
6. After E-tendering the hard copy of all documents should be submitted before the date of opening of the tender to the Principal, Government Engineering College, Thrissur.
7. Items to be supplied at Electrical Engineering Department of Govt. Engineering College, Thrissur.
8. The items should have a minimum guarantee period of one year from the date of installation and successful performance.
9. Installation, successful demonstration and training required.
10. Delivery Period: Within Two Months of receipt of supply order.
11. 5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
12. Only GST Registered firms should participate in the tender.
13. Bidder shall be responsible for installation / demonstration as applicable and for after sales service during the warranty and thereafter.
14. Installation and demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual. The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph.0487 2334144.

Principal

Approval Valid

Digitally Approved By

Dr. Satish K P

Date: 17.05.2023

Reason: Approved

The document is digitally approved. Hence signature is not needed.

DETAIL SPECIFICATION

SI No	Item With Specification	Quantity
1	<p>Thermal conductivity measurement of metal rod apparatus</p> <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> i copper test specimen, minimum 200 mm test length, 20 mm diameter, with additional length extended to receive heat from the heater and supply heat to the cooling water. ii Electric Heater on Left end and Cooling water circulation on other end iii Lateral surface insulated by minimum 100 mm thick ceramic wool insulation iv Thermocouples on the surface of the test specimen and also on the insulation at different lengths. v Selector switch for thermocouples, Ammeter and Voltmeter for Electric power measurement with Dimmerstat for regulating Electric power. vi Diagrams showing the dimensions of the test specimen and insulation thickness and locations of the thermocouples vii Operating manual with specifications of components used in the test rig. 	2
2	<p>Thermal conductivity of Composite slab apparatus</p> <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> i Heater sandwiched between 5mm bakelite, 3-5 mm wood/press wood, 30 mm cast iron, with aluminium/ copper plates at the extreme ends of minimum 5 mm thickness. There would be at least one thermocouple in between each plate on either side. The space between each plate shall be applied with thermal paste/ copper paste to avoid any air gap. The lateral surface shall be insulated with ceramic wool insulation of minimum 50mm thickness. There should be cooling fans blowing air on to the extreme end plates to enhance heat loss from the extreme ends. Alternatively cooling can be performed by any other method. The composite slab ends should be open to the surroundings. ii digital temperature display with 0.1 degree Celcius precision with selector switch. iii Digital Voltmeter (0 to 250 V), Digital ammeter with 3 decimal point precision iv Dimmerstat to control the electric power to the heater v Diagrams showing the dimensions of the test specimen and insulation thickness and locations of the thermocouples vi Operating manual with specifications of components used in the test rig. 	2
3	<p>Thermal conductivity of insulating powder apparatus (digital temperature display with 0.1 degree Celcius precision)</p> <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> i digital temperature display with 0.1 degree Celcius precision with selector switch. ii Digital Voltmeter (0 to 250 V), Digital ammeter with 3 decimal point precision iii Dimmerstat to control the electric power to the heater iv Diagrams showing the dimensions of the test specimen and locations of the thermocouples v Operating manual with specifications of components used in the test rig. vi The test rig should be kept open to the surrounding atmosphere to permit heat loss from the outer spherical shell, and shall not be enclosed in any casing 	2
4	<p>1 shell pass 2 tube pass heat exchanger test set up with, flow and temperature measurement devices.</p> <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> i 15 copper tubes per shell, total 30 tubes, minimum 1 m long, 12 mm diameter tubes. ii 5kW Gieser, with thermostat cut off iii digital temperature display with 0.1 degree Celcius precision with selector switch. iv Diagrams showing the dimensions of the test specimen and locations of the thermocouples v Operating manual with specifications of components used in the test rig. vi Diagrams showing the dimensions of the test specimen and locations of the thermocouples vii Operating manual with specifications of components used in the test rig. 	2

5	<p>Emissivity of metal plate apparatus, with two separate heater and controls with two voltmeters ammeters, solid state variac (separate voltmeter, ammeter and dimmerstat for test and reference plates) both plates shall be heated simultaneously, with 3 decimal points (Ampere) precision digital Ammeter</p> <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> i separate heater for test and reference plates. Both the heaters should be able to be operated simultaneously ii Separate Digital voltmeter, Digital ammeter with 3 decimal point precision reading and separate Dimmerstat for test plate heater and reference plate heater. iii Digital thermometers with selector switch iv Operating manual with specifications of components used in the test rig. v The test rig should be kept open to the surrounding atmosphere to permit heat loss from the outerspherical shell, and shall not be enclosed in any casing 	2
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PRINCIPAL

DETAIL SPECIFICATION

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PRINCIPAL