



Tele-Fax : 03512-278058
Email:gkciet_malda@yahoo.co.in

Ghani Khan Choudhury Institute of Engineering & Technology

(Centrally funded Institute and Established by Ministry of H.R.D., Govt. of India.)

Office: GKCIET, Vill & Post: Kotwali, Dist: Malda, Pin- 732144, West Bengal

BID REFERENCE: GKCIET/361

date:22/07/2015

To

Dear Sir,

SUB : Invitation for quotations for supply and installation of Instruments/ Equipment for Department of Mechanical Engineering as specified in **annexure-II**.

1. You are invited to submit your most competitive quotation for the listed items of instruments/equipment as per **Annexure-II**. **For each item, please quote separately in separate envelope superscripted with ITEM Name**. Price bid form as per Annexure-I must be filled with complete numerical values. Please note that each item will include sub-items. **No separate quotations are required for sub-items**.
2. Each bidder shall submit **only one quotation for each item**. Manufacturer/authorized dealers of reputed brands of high technical quality with adequate after-sales support facilities are eligible to apply. The bidder must have supplied similar good to reputed organization to their full satisfaction and furnish a list of the same.
3. **Bid Price (Annexure-I)**
 - a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
 - b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price **F.O.R. GKCIET, Malda**.
 - c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - d) The bid price must be quoted in **Indian Rupees**.
4. **The bid submitted by the bidder must comprise the following:**
 - (a) Detailed technical specifications, conforming to the given specifications (vide Annexure – I), and literature /drawings /manuals of the goods/services to be supplied
 - (b) Authorized dealership certificate from the original manufacturer
 - (c) Credentials and list of organizations where the bidder supplied similar items
 - (d) Warranty period (1 year comprehensive on-site)
 - (e) Valid sales-tax / VAT clearance certificate
 - (f) Price bid as per Annexure-I
 - (g) Each setup in annexure II will have related manual and testing certificate.
5. **Validity of Quotation**

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.
6. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e.

- (a) which are properly signed and
- (b) Conform to the terms and conditions, and specifications.

7. Award of contract

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive, technologically acceptable and who has offered the lowest evaluated quotation price.

- 7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
- 8. Delivery shall be made at **GKCIET, Malda at free of cost.**
- 9. Payment shall be made immediately within 30 days after satisfactory installation, commissioning and acceptance of the good.
- 10. Comprehensive onsite warranty shall be applicable to the supplied goods for a period of **12 months** from the date of installation.
- 11. The Institute is **exempted from payment of custom and excise duty** on items mentioned below:
 - a) Scientific and technical instruments, apparatus, equipment (including computers)
 - b) Accessories, spare parts and consumables thereof
 - c) Computer software, CD-ROM, recorded magnetic tapes, microfilms, and microchips.
- 12. The successful bidder must submit before the release of payment a valid bank guarantee (**Annexure-A**) on any nationalized bank of 10% of the order value towards **Performance Security** during the warranty period. Else, 90% of the payment will be released retaining 10% of the order value towards Performance Security during the warranty period.
- 13. **Liquidated Damage** will be applicable at the rate of 0.5% per week. The purchaser has the right to cancel the purchase order when LD accumulates to 10 %.
- 14. A bank draft or bank guarantee (**Annexure-B**) worth 2% of the quoted value payable to "**Accounts Officer, GKCIET, Malda**" at Malda will be enclosed with the bid by the bidder towards the **Earnest Money Deposit (EMD)**. The EMD shall remain valid for a period of **105 days**.
- 15. Settlement of any dispute will be made under the jurisdiction of Malda Court.
- 16. You are requested to provide your offer latest by 15 hours on **12/08/2015**
- 17. The purchaser will open the bids at 15.30 hours on **12/08/2015** in the seminar room of GKCIET, Malda, TTC campus
- 18. The bid document must be signed and sealed and enclosed with the bid as a token of acceptance of all terms and conditions in the bid document by the bidder.
- 19. The items must be delivered within **60 days** from the date of placement of purchase order at the respective department.
- 20. Comprehensive onsite warranty for **12 months** from the date of satisfactory installation shall be applicable for offered goods.
- 21. All other terms and conditions of GFR 2005 of the Government of India will be applicable.
- 22. **Place of Delivery: GKCIET, Malda.**
- 23. **Installation / commissioning / demonstration requirement: Installation, commissioning, complete demonstration and successful running GKCIET, Malda**
- 24. **Tender document may purchase or download by demand draft in favour of "Accounts officer, GKCIET, Malda" payable at Malda.**

I look forward to receiving your quotations and thank you for your interest in this project.

The bid must be addressed to:

**The Chairman,
Purchase / E-Tender / Store committee
GKCIET, TTC complex, Maliha, Malda**

Whereas
.....(hereinafter called the "tenderer").....
has submitted their offer dated
for the supply of.....
.....(hereinafter called the "tender").....
against the purchaser's tender enquiry No.
KNOW ALL MEN by these presents that WE
ofhaving our registered office at
.....are bound unto.....
(hereinafter called the "Purchaser")
in the sum of
for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns
by these presents. Sealed with the Common Seal of the said Bank thisday of20

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.

- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
 - a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.
 - b) Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force upto and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)
Name and designation of the officer
Seal, name & address of the Bank and address of the Branch

MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To
The Chairman,
Purchase / E-Tender / Store committee
GKCIET, TTC complex, Maliha, Malda

WHEREAS
(name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no dated to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby, affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of
(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20

(Signature of the authorized officer of the Bank)
Name and designation of the officer
Seal, name & address of the Bank and address of the Branch

Mechanical Lab 2

Item 1

Sl. No.	Name of the Lab	Name of the Equipment	Specification	Quantity
01.	I C Engine Lab	Demonstration Board Of Ignition System Of An Automobile 4 Wheeler (Working)	DESCRIPTION: This open demonstration-working unit is made out of original used parts such as switches, ignition coil, Distributor, four spark plugs and a battery for power source, with necessary wiring connections. By switching on the switch and by giving rotation to the Distributor, Sequential Sparks in the spark plugs can be demonstrated.	1 no.
02.	Fluid Mechanics Lab	Closed Circuit Combined Calibration Rig For Venturimeter&Orificemeter	DESCRIPTION: This calibration rig determine the co-efficient of discharge of a venturimeter&Orificemeter COMPONENTS: MEASURING TANK: SS of size 0.3x0.3x0.5m with control valve, Piezometer with scale. SUMP TANK: SS of size 1.0x0.3x0.3m for storage of Water to circulate through experimental unit. SUPPLY PUMP SET: 0.5 HP single phase [ISI marked] pump fitted with a control valve PIPING SYSTEM: Two G.I pipelines of size 20 & 25mm each line fitted with respective size venturimeter/orificemeter& Gate valve provided with a set of distribution chamber having isolating cocks to facilitate experiment on individual venturimeter/ orificemeter. DIFFERENTIAL HEAD MEASUREMENT: Differential mercury manometer with mercury. MAIN SWITCH: Single phase DP switch FRAME WORK MOUNTING: Mounted on structure frame work & completely fitted with all the above items as self-contained unit suitable for operation without any foundation.	1 no.

03.	Fluid Mechanics Lab	Closed Circuit Bernoulli's Theorem Apparatus	<p>DESCRIPTION: Apparatus to verify Bernoulli's theorem.</p> <p>COMPONENTS:</p> <p>i) SUPPLY TANK: Made of Stainless Steel provided with Piezometer for the measurement of total potential head.</p> <p>ii) VARIABLE SECTION TRANSPARENT DUCT: The setup consists of a horizontal converging – diverging duct having a constant with but varying duct. The duct is made of transparent Perspex sheets. A number of Piezometers are fitted on the duct to indicate the Piezometric levels at various sections.</p> <p>iii) MEASURING TANK: Stainless Steel with Control valve, Piezometer with scale.</p> <p>iv) SUMP TANK: Stainless Steel of size for storage of water to circulate through experimental unit.</p> <p>v) SUPPLY PUMP SET: 0.25 HP single phase (ISI mark) pump fitted with control valve.</p> <p>vi) MAIN SWITCH: Single Phase DP switch.</p> <p>vii) FRAME WORK: Mounted on structure frame work & completely fitted with all above items as self-contained unit suitable for operation without any foundation.</p>	1 no.
04.	Fluid Mechanics Lab	Close Circuit Apparatus For Determination Of Metacentric Height	<p>DESCRIPTION: Apparatus to determine the Metacentric height of a ship model or floating vessel. Semi-circular sectioned hollow ship model, provision for loading as cargo and warship, fine arrangement for accurate angle measurement extra weight in Metric unit for tilting coupled.</p> <p>SUMP TANK : SS of size 0.7 X 0.7 X 0.3 mtr a drainplug for floating the model ship.</p> <p>FLOATING VESSEL: Size 16 X 36 cm H X L / Diameter 20.5 cm Inner / FRP or MS.</p> <p>ADJUSTABLE WEIGHT: 200 gms : 8 nos.</p> <p>100 gms : 6 nos.</p> <p>50 gms : 4 nos.</p>	1 no.

05.	Fluid Machinery Lab	Close Circuit 2 H P Pelton Turbine Test Rig	<p>DESCRIPTION:</p> <p>Capacity : 2 HP</p> <p>Rated Speed : 1000 RPM</p> <p>Discharge : 400 LPM</p> <p>Supply Head : 40 Mts.</p> <p>Buckets : Gun Metal</p> <p>Casing : Grey Cast Iron</p> <p>Shaft : High Carbon Steel</p> <p>Type : Impulse</p> <p>Supply Pump : 2.5" x 2'</p> <p>Discharge : 400 LPM</p> <p>Total Head : 45 Ltrs</p> <p>Motor Capacity : 7.5 HP</p> <p>Starter : Dol/ Star Delta</p> <p>Flow Measurement : Venturimeter</p> <p>Size : 50mm</p> <p>Material of Construction : CI Body with Brass lining</p> <p>Pressure Measurement: Double Column differential Mercury Manometer</p> <p>Speed Measurement: Digital RPM indicator.</p> <p>Sump Tank : SS</p> <p>Loading : Rope Brake</p> <p>Drum Diameter : 200mm</p>	1 no.
06.	Fluid Machinery Lab	Closed Circuit Single Stage Multispeed Centrifugal Pump Test Rig - 01 Hp	<p>DESCRIPTION: Test Rig used to obtain the performance characteristics of a Centrifugal pump and to Determine its specific speed.</p> <p>PUMP: Centrifugal Pump of size 40 mm to discharge about 150 LPM at 15 m total head when run at maximum speed. (Make: Kirloskar).</p> <p>MOTOR : 01 HP, 2880 RPM, 3 Phase, 400 / 440 V, AC Supply (ISI marked)</p> <p>SPEED VARIATION: Stepped pulley "V" belt drive to run the pump at 3 different speeds.</p> <p>ELECTRICAL PANEL: Switch, and Energy meter for the measurement of input power.</p> <p>MEASURING TANK: SS of Size 0.8 x 0.5 x 0.6 m with control valve, piezometer with scale and an overflow arrangement.</p> <p>SUMP TANK: SS of size 1 x 1 x 0.4 m for storage of water to circulate Through</p>	1 no.

			<p>experimental unit. OTHERS: Piping system consisting of Pipes, Pressure relief valve, Gate Valve and fitting with Pressure gauge.</p>	
07.	Fluid Machinery Lab	CLOSED CIRCUIT RECIPROCATING PUMP TEST RIG:	<p>DESCRIPRION:Test Rig. to obtain the performance characteristics of a reciprocating pump and to Determine its specific speed. PUMP: Double acting reciprocating pump of size 25 x 20 mm with airvessel to discharge about 20 LPM at 20 meters total head MOTOR:1 HP, 1440 RPM, Single phase, 200 / 220 V, AC Supply. SPEED VARIATION: Stepped pulley reduction “V” belt drive to run the pump at 4 different speeds. ELECTRICAL PANEL:Switch and Energy meter for the measurement of power input. MEASURING TANK: SS of size 0.3 x 0.3 x 0.5 m with control valve, Piezometer with scale and an overflow arrangement SUMP TANK: SS of size 1.0 x 0.3 x 0.4 m for storage of water to circulate through experimental unit. OTHERS :Piping system consisting of Pipes, Pressure relief valve, Gate Valve and fitting with Pressure gauge.</p>	1 no.
08.	AutoCAD Practice Lab.	AutoCAD Demonstration & Practice Desktops	<p>DESCRIPTION: Type: Microsoft Windows 8.1 Professional class 64-Bitdesktop with Microsoft Windows 7 Pro loaded onsystem Processor: Intel i5-4570 (3.20GHz, 6MB) OR AMD FX-8120(3.1GHz, 8MB); Both Intel & AMD must supportVirtualization Memory:8.0GB DDR3-1600, with free slots, expandable to16.0GB Video Card:Installed PCIe 512MB (non-shared memory) DVI-DDual Link Dual Monitor capable, support for DirectX9 and WDDM 1.0 Hard Drive: 1TB SATA 3.0GB/s, 7200RPM Optional drive:8X DVD +/-RW USB Port: Six (6) Total: Two (2) in Front, Four (4) in Back USBv2.0 and USB v3.0 (Minimum of two (2) of these ports must be USBv3.0) Keyboard:Enhanced USB Keyboard Mouse: USB, 2-button, Optical mouse with scroll Hardware Warranty:3 Year, Next Business Day, On-Site UPS: Standard backup</p>	3 Nos.



GHANI KHAN CHOUDHURY INSTITUTE OF ENGINEERING & TECHNOLOGY
(Estd. by Ministry of Human Resource Development, Govt. of India)
Office: Vill+Post. Kotwali, Dist. Malda, Pin- 732144, West Bengal, Ph- 03512278058

SHORT TENDER NOTICE

Sealed tenders are invited by GKCIET, Malda from bona-fide suppliers / agencies for supply of Lab Equipment's / Machineries / Accessories. The last date of submitting quotation on **12/08/2015** up to **3 pm**. Quotation will be opened on **12/08/2015** at **3.30 pm**. Interested bona-fide suppliers / agencies may apply to " The Chairman, Purchase / E-Tender / Store committee, GKCIET, TTC complex, Maliha, Malda. For details, visit our website: [http// www.gkciet.ac.in](http://www.gkciet.ac.in)

Sd/-
AR/GKCIET,Malda