



No.GCOEARA/Store/2018/7072

Date :

**QUOTATION**

**5 DEC 2018**

Sub: Quotation for purchase of equipment.( for Civil Engineering)  
( Due Date 20.12.2018)

Sealed Quotations are from eligible and interested manufacturers/ dealers/distributors/ for the following items on the terms and conditions mentioned below.

Sr. No.	Name of the item with specification	Quantity required	Estimated cost
1	Vibration Machine Vibration Machine meant for vibrating the cement mortar should confirm to IS: 10080, IS: 4031 (Part VI) and able to produce mix in moulds at a frequency of 12,000 ± 400 cycles per minute. The vibrator should be mounted over coiled springs and the vibrations are developed by means of a revolving eccentric shaft. The centre of gravity of the vibrator, including the cube and mould, should be either at the centre of the eccentric shaft or within 25 mm below it. The machine should facilitate easy assembly and dismantling of the cube moulds.	1	60000
2	Vibration Table Vibration Table meant for compacting cement concrete should confirm to IS: 2514. Size of vibrating table top should be 1 m X 1 m for 16 concrete cube moulds of 150 mm size. The table top shall be constructed from steel plate of not less than 10 mm thickness or equivalent material and shall be suitably braced and stiffened to vibrate evenly so that there is no significant variation in the vibration characteristics of the table top. The frequency of vibration for the table operating at its maximum load capacity shall be between 3 000 to 6 000 cycles per minute. The vibration acceleration of the table operating at its maximum load capacity shall not be less than four times the acceleration due to gravity. The table top should be equipped with assembly to hold cube moulds in order to prevent moulds from sliding off the table during operation.	1	85000
3	High Volume Sampler High Volume Sampler :Flow Rate: 0.9 – 1.4 m <sup>3</sup> /min free flow; Particle Size: Particles of 10 microns & below collected on Filter Paper holder. SPM bigger than 10 microns collected in a separate sampling bottle under the cyclone. Sampling Time: 28 hours (maximum);, Sampling Time Record: 0 to 9999.99 hrs. recorded on a Time Totalizer; Automatic Sampling: 24 hrs programmable timer to automatically shut off the system after pre set time interval; Stabilizer: Voltage stabilizer provided to compensate voltage fluctuation; Power Requirement: Nominal 220 V. Single Phase, 50Hz AC mains supply.	1	45000
4	Impact of Jet on Vanes Impact of Jet on Vanes: General Requirements: The apparatus should consist of a cylindrical acrylic vessel. Water is fed through a nozzle and discharged vertically to strike a target carried on a stem which extends through the cover. Force of the jet is measured by the simple calculating moments about fixed fulcrum. Technical Specifications:- Set of Nozzle: 4 mm and 8 mm (Brass), Set of Vanes: Hemispherical, flat and inclined plates, Jet collection tank : 250 mm Diameter Material of Construction for jet collection tank: Perspex. Sump tank capacity : 75 liter with Matt Buffing, Measuring tank (with piezometer) capacity : 35 liter Material of Construction for sump and measuring tank: Stainless Steel-304 with Matt Buffing, Pump : Monoblock type, 0-60 liter/min, Motor 0.5 HP, Piping with necessary Valves and Fittings, Digital Stop Watch with 1/10 second accuracy.	1	75000
5	Marshall Stability Test Apparatus Marshall Stability Test Apparatus: The apparatus should comprise of: i) A motorized loading unit of capacity 50kN. The load frame should have a fixed speed of 5.08cm per minute and should be operational on 230 Volts A.C.; ii) Compaction pedal with specimen mould holder (01 Number); iii) Compaction Rammers of 4.5kg weight and free fall of 45.7cm (02 Number); iv) Breaking	1	150000

head assembly with provision to fix flow meter (01 Number); v) Specimen mould 10.16cm internal diameter x 7.6cm high with base plate and extension collar (03 Number);vi) Kit for specimen extraction consisting of load transfer bar, steel ball, specimen extracting plate (01 Number); vii)Accessories : Integral type proving ring of capacity = 30 kN, a dial gauge 0.01 x 25mm, stainless steel water bath with false bottom and pyramid shaped lid to accommodates 3 number of marshall specimen, and thermometer 0 – 250oC (Least count = 1oC)		
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### TERMS AND CONDITIONS

- The bid/quotation should be submitted in two bid format.
- The first envelope will contain Technical specifications of the product, technical literature/ leaflet and other documents mentioned below.
  1. Covering Letter for tender on the company letter head mentioning official address, Contact No, e Mail address and website (if available) address
  2. GST registration certificate/ Number
  3. GST Clearance Certificate/ GST Challan for last quarter of the Financial year.
  4. Authorization/ Distributorship certificate from manufacturer. Proof of permission to manufacture the equipment/ item mentioned in the quotation from competent authorities (to be submitted if the bidder is not a manufacturer).
  5. Technical literature / leaflet of the make and model no of equipment quoted .

Additional document may also be asked by undersigned for confirming the details.

- The second envelope will contain the financial bid in which the all inclusive rates F.O.R. Destination will be written and signed with the stamp of the establishment in the following format.

Sr. No.	Name of the item with specification	Quantity required	All inclusive cost per unit	All inclusive cost for quantity mentioned.
1.				

Date -

Place -

(Signature)

Rubber Stamp of organisation

- The two envelopes should be sealed with a mention of the type of envelope (technical/ Financial), Reference no., Date of opening the quotation on the front side of the envelope. These two envelopes should be sealed in a third envelope by giving heading "Quotation for supply of \_\_\_\_\_" and writing complete address of the undersigned.
- The quotations should reach the undersigned on or before **dt. 20.12.2018**-
- The material will be checked at this institute.
- No extra charges will be paid for cartage, packing etc. for the material rejected and replaced
- Quotations will be opened at 11 AM on date **21.12.2018**
- Rates should be valid for 6 months from the date of confirmation letter.
- Materials should be quoted for standard makes and minimum pkgs.
- Delivery to the consignee has to be effected within 4weeks from the date of issue of purchase order.
- The undersigned reserves the right to accept or reject any offer or all offers without assigning any reason thereof.



( Dr. A.S. Pant )

Principal

Govt. College of Engineering & Research,  
Awassari khurd



No.GCOEARA/Store/2018/7073

Date : **5 DEC 2018**

### QUOTATION

Sub: Quotation for purchase of equipment.( for Mechanical Engineering)  
( Due Date 20.12.2018)

Sealed Quotations are from eligible and interested manufacturers/ dealers/distributors/ for the following items on the terms and conditions mentioned below.

Sr. No.	Name of the item with specification	Quantity required	Estimated cost
1	Experimental setup for verification of flexural formula 1) Weights and corresponding deflection measuring instrument like dial Gauge. 2) Stresses and strain measuring instrument like strain gauge, 3) Beam should accommodate all types of end conditions (like simply supported, fixed at one end or at both end etc.)	1	80000

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Sr. No.	Name of the item with specification	Quantity required	All inclusive cost per unit	All inclusive cost for quantity mentioned.
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Place -

(Signature)

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( Dr. A.S. Pant )

Principal

Govt. College of Engineering & Research,  
Awasari khurd



No.GCOEARA/Store/2018/ 7077

Date :

5 DEC 2018

### QUOTATION

Sub: Quotation for purchase of equipment.( for Applied Science )  
( Due Date 20.12.2018)

Sealed Quotations are from eligible and interested manufacturers/ dealers/distributors/ for the following items on the terms and conditions mentioned below.

Sr. No.	Name of the item with specification	Quantity required	Estimated cost
1	Verification of Brewster's law setup Brewster's law setup with spectrometer, prism, and supporting apparatus	3	80400
2	Newton's ring apparatus- Newton's ring apparatus- with Travelling microscope (least count 0.001cm), Planoconvex lens and set reflector, condensor etc.	3	13500

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Sr. No.	Name of the item with specification	Quantity required	All inclusive cost per unit	All inclusive cost for quantity mentioned.
1.				

Date -  
Place -

(Signature)

Rubber Stamp of organisation

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( Dr. A.S. Pant )

Principal

Govt. College of Engineering & Research,  
Awassari khurd



No.GCOEARA/Store/2018/ 7075

Date :

**-5 DEC 2018**

**QUOTATION**

Sub: Quotation for purchase of equipment.( for E& TC Engineering)  
( Due Date 20.12.2018)

Sealed Quotations are from eligible and interested manufacturers/ dealers/distributors/ for the following items on the terms and conditions mentioned below.

Sr. No.	Name of the item with specification	Quantity required	Estimated cost
1	<p>4G Communication System- Technical Specifications: GSM - Band (2 / 3 / 5 / 8); WCDMA - Band (1 / 2 / 5 / 8);4G VoLTE (TDD) - Band (38 / 40 / 41),LTE (FDD) - Band (1 / 3 / 5 / 7 / 8 / 20) Tx/Rx Frequency band : GSM/GPRS/EDGE.(850, 900, 1800, 1900 MHz),UMTS/HSPA+ (850, 900, 1900, 2100 MHz),4G VoLTE (B1, 3, 5, 7, 8, 19, 20, 28, 38, 40), Output power : +5... +33dBm/3.2mW... 2 W,OS &amp; Processor Features .Operating system : Android Nougat 7.0,System Architecture : Qualcomm Snapdragon 430,Processor core : Octa Core Processor clock speed : 1.4 GHz,GPU : Adreno 505 at 450 MHz,Display Features,Display size : 5 inch, Touch screen ,Resolution : 1920 x 1080,Resolution type : Full HD, 441 ppi.Other display features : IPS display, 5 point multi-touch,Memory &amp; Storage Features,Internal storage : 16 GB,RAM : 3 GB, Expandable storage : 128 GB,Memory card type : Micro SD,Connectivity Features ,Supported networks : 4G VoLTE (Cat 4),UMTS/HSPA+GSM/EDGE,Internet connectivity: 4G, 3G, Wi-Fi, EDGE, GPRS, Pre-installed browser: Android, Micro USB port: Yes ,Bluetooth support: YesBluetooth version: BR/EDR+BLE 4.2</p> <p>Features: • Supports to 4G VoLTE (Cat 4), 3G (UMTS/HSPA+), 2G(GSM/EDGE) Networks • 5" Touch screen full HD display • Full understanding of 4G Dual SIM VoLTE SmartPhone working principle and signals • Easy measurement of voltages and observation of waveforms on test points • Soldering free fault creation and troubleshooting • Android based application development,IoT related application development</p>	1	85600
2	Video processor kit/card- DSP based Video processing card	1	40000

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Principal

Govt. College of Engineering & Research,  
Awasari khurd





# GOVT. COLLEGE OF ENGINEERING & RESEARCH,

AWASARI (KHURD), TAL. AMBEGAON, DIST. PUNE - 412405

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No.GCOEARA/Store/2018/ 7076

Date :

**-5 DEC 2018**

## QUOTATION

Sub: Quotation for purchase of equipment.( for Instrumentation & Control Engineering) ( Due Date 20.12.2018)

Sealed Quotations are from eligible and interested manufacturers/ dealers/distributors/ for the following items on the terms and conditions mentioned below.

Sr. No.	Name of the item with specification	Quantity required	Estimated cost
1	89C51RD2 Kit - Technical Specifications on board:Speed : 16 MHz crystal , I/O Pins: 48 I/O lines through 2 Nos. of 26 pin FRC header.Serial Interface: RS-232c serial interface, Parallel Interface: 25 pin male D connector for JTAG based programming. Display facility: 16 X 2 LCD (Backlit) , 16 X 2 Jumbo LCD (Optional) 20 x 4 LCD (Optional), Key Board: Keyboard interface to support 101 keys PC AT/PS2 keyboard. Battery Backup Lithium battery (3V/48mAH) provided to supply power to RTC.	2	26000
2	AVR Kit 8535- Speed : 16 MHz crystal, I/O Pins: 48 I/O lines through 2 Nos. of 26 pin FRC header. Serial Interface: RS-232c serial interface Parallel Interface: 25 pin male D connector for JTAG based programming. Display facility: 16 X 2 LCD (Backlit) , 16 X 2 Jumbo LCD (Optional) 20 x 4 LCD (Optional) Key Board: Keyboard interface to support 101 keys PC AT/PS2 keyboard.Battery Backup Lithium battery (3V/48mAH) provided to supply power to RTC.	2	34000
3	Thermocouple Calibrator- Oprating Temp: -10° C to 55° C/ -200° C to 1800° C Depending on type. Accuracy:0.3° C +10µV, Resolution:0.1° C, Display : 5 DIGIT LCD Display, Battery Type: Single 9V Battery	1	19000
4	Digital TechoMeter Contact Type Display: 5Digit LCD Display, Sampling Time: 1sec( over 60rpm), Test Range: Auto Ranging, Range: 5-999.9 rpm Accuracy: +/- (0.05%+ 1 Digit), Resolution: 0.1rpm(5-999.9 rpm) Resolution:1rpm(Above 1000 rpm),Battery: 4x1.5V AA Battery	1	3000
5	Digital TechoMeter Non-Contact Type Display: 5Digit LCD Display, Sampling Time: 1sec( over 60rpm)Test Range: Auto Ranging, Range: 5-999.9 rpm Accuracy: +/- (0.05%+ 1 Digit), Resolution: 0.1rpm(5-999.9 rpm) Resolution:1rpm(Above 1000 rpm), Battery: 4x1.5V AA Battery Detecting Distance: 50-500mm	1	3000
6	X-Y Recorder- Fast Pen Response. Slewing Speed of 2200 mm/sec (86.6 in/sec) in the Y-Axis, 2000 mm/sec (78.7 in/sec) in the X-Axis, High Acceleration, 7.6 G in the Y-Axis and 5.1 G in the X-Axis (One-Pen Model)±0.2% Accuracy (RD3023/24), ±0.25% Accuracy (RD3025) 50 µV/cm Max Sensitivity 50 µV/cm Max Sensitivity, Trouble-Free Electrostatic Paper Hold Down with Back-Lighted LED for Accurate Paper Alignment 10 Scales of Calibrated Offset (Std), 16 Speeds of Time Base (Standard on RD3023/24, Optional for RD3025)Remote Control of Sweep Start and Reset, and Pen Lift by External Contact or TTL Level Signals	1	12000

7	<p>Universal Digital IC Tester</p> <p>1. Tests Digital and Analog ICs from 3 to 40 Pins.  2. Built in self-diagnostic functions to ensure error free testing of IC.  3. 16 character x 2 line back-lit LCD display and sealed Membrane type Alpha-numeric keyboard.  4. Automatic testing of variety of ICs.,  5. 2 Nos. of potential free 40 pin ZIF sockets for testing analog and digital ICs.,  6. IC Pack: Digital ICs up to 40 pins and analog ICs up to 20 pins in DIP package.  7. IC Type: Tristate, Open collector &amp; bi-directional TTL / CMOS digital ICs also analog ICs as per list.,  8. ZIF: Two 40 pin DIP ZIFs for analog and digital ICs.  13. Key: Membrane type Alpha Numeric, 50 keys Keyboard. ,  9. Display: 16 character x 2 line back-lit LCD  10. Power Supply: 180 to 270 V AC, 50Hz single phase.</p>	1	31000
8	<p>Digital Flame Photometer</p> <p>Supplied with two filters (Na and K) , 2 1/2 Digit LED Display, Oil Free Air compressor, Air Filter with Pressure Regulator &amp; Gauge, Atomizer Tube, Gas Lighter, Sample Beaker (05 Nos), LPG Tube, Air line PU Tube etc</p> <p>Technical Specification : Range : Na, K, &amp; Li :1-100 ppm and Ca:15-100 ppm  Sensitivity : Na, K, &amp; Li :0.5 ppm and Ca:15 ppm  Linearity : &lt; 3%  Reproducibility : 2% CV for 20 samples  Detector : Photo Cell Ignition System : Manual Ignition Flame System : LPG &amp; Dry Oil Free Air Gas Control : Adjustable with Knob  Automiser : Axial Flow Type Oil free Air Compressor : Supplied with Built-in Air Filter with Pressure Regulator &amp; Gauge to deliver stable and moisture / oil free air supply.  Power Supply : 230 VAC <math>\pm</math>10%, 50 Hz  Optional : Li Filter Ca Filter Auto shut off at power off for LPG Gas Line</p>	1	30000

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