



**KAMLA NEHRU INSTITUTE OF TECHNOLOGY,
SULTANPUR (U.P)- 228118**

Phone & Fax - 05362-240454

INVITATION FOR QUOTATION
(Under National Shopping of Goods/Equipment TEQIP-III)

You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications. Sealed and separate quotations for the different packages of various departments are invited for supply of items along with earnest money deposit (EMD) in the shape of Demand Draft of PNB/SBI/BOB/BOLLD/CBI/UBI in favour of Director KNIT Sultanpur Avadh (UP)/ cash receipt of the Institute.

Quotation opening schedule: Quotations can be submitted on or before **11/12/2017 up to 15.00 hrs** and will be opened on same day i.e. on **11/12/2017 at 15.30 hrs** in the **committee room of the institute**.

GENERAL INSTRUCTIONS

1. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations under National shopping is issued.
2. Each downloaded duly quoted package should be submitted along with nationalized/scheduled bank demand draft of appropriate amount as an Earnest money deposit (EMD) in favour of “**Director, K.N.I.T. Sultanpur (UP)**, (as amount mentioned in each package, @2% for each package,) else bid(s) is/are liable for rejection in toto. **Separate draft of EMD** should be for each package.
3. Supplier(s)/Bidder(s) should be manufacturer/distributor/dealer/authorized firm of the mentioned product(s)/goods and should submit the copies of ST No., company/firm registration or equivalent registration with the Central/State Government of India if any. Copies of OEM / Latest authorized dealership certificate for respective items should be enclosed.
4. The quotation(s)/bid(s) shall be sent in sealed envelope either by courier / post or in person only, within stipulated time period given in the respective package/bid document. The Package no. should be clearly mentioned on the left side corner of the sealed envelope. The bid(s)/quotation(s) shall be submitted to the office of the **Coordinator (Procurement), TEQIP-III Cell, K.N.I.T. Sultanpur-228118 (UP)** before the stipulated date and time. Bidder(s) should ensure that the bids submitted should reach well within stipulated day and time. Delay in submission of bid(s) for whatsoever reason will not be considered. Such bids are liable for rejection.
5. For the suppliers quoting for more than one package, the quotations should be submitted separately in separate envelope along with separate EMD of appropriate amount.
6. Prices quoted should be inclusive of all taxes. Rate should be quoted “FOR” K.N.I.T. Sultanpur – 228118 (UP). Rate should be quoted in Indian Rupees **inclusive of** all Taxes, Duties, Transportation, Insurance, Installation, Commissioning etc. All duties and other levies payable by the supplier under the contract shall be included in the unit price. Break up of applicable taxes shall be quoted separately for all items.
7. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
8. The Prices should be quoted in Indian Rupees only. Format for submission of quotation is in Annexure-I.

9. The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing. Signature of the Supplier should be there on every page of the bid.
10. The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. Quotation shall remain valid for a period not less than **60** days from date of opening.
11. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which are properly signed; and confirm to the terms and conditions, and specifications. The Quotations would be evaluated for all items together for each package.
12. Award of contract: The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
 - (i) 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.
 - (ii) 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.
13. Payment shall be made in Indian Rupees as follows:
Satisfactory Delivery Installation and Acceptance - 100% of total cost
14. All supplied items should be under warranty of **12 months** from the date of successful acceptance of items.
15. Commissioning / Installation is at suppliers cost. Supplier should provide free demonstration for the equipment / item provided and training, if necessary. At least one hard copy/soft copy (CD) of working manual of each equipment/item(s) should be provided during the supply of goods at free of cost.
16. Conditional Bid(s)/Quotation(s) will not be accepted. Any breach of term(s) of contract at any stage and/or non-execution of firm Purchase Order by the supplier(s)/Bidder(s) shall be lead to forfeiture of Earnest money deposit(s).
17. All legal disputes are subjects to the jurisdiction of **Sultanpur (UP)** court only.
18. Right to accept or reject any bid or all bids without assigning any reason is reserved with the Institute (or Purchaser).

Sd/-

Coordinator (Procurement)

On behalf of the

Director, K.N.I.T.Sultanpur(UP) – 228118

Annexure-I
FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

The Director,
K.N.I.T. Sultanpur-228118 (UP)

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____

KAMLA NEHRU INSTITUTE OF TECHNOLOGY, SULTANPUR
Electrical Engineering Department
Package Name- KNIT/EED/PELab/NS-01

Earnest Money Deposit (EMD) – Rs. 28600=00			
Delivery Period—45 days			
S.No	Item Name	Item Description/ Specification	Item Quantity
1.	IGBT based bridge inverter	IGBT based bridge inverter with complete experimental setup	4
2.	Speed control of DC Motor using Chopper	Speed control of DC Motor using Chopper with complete experimental setup	4
3.	Micro Controller based single phase cyclo-converter	Micro Controller based single phase cyclo-converter with complete experimental setup	4
4.	Trainer kit to study closed loop control of separately excited DC Motor	Trainer kit to study closed loop control of separately excited DC Motor with complete experimental setup.	4
5.	Speed control of three phase induction motor using three phase AC Voltage controller	Speed control of three phase induction motor using three phase AC Voltage controller with complete experimental setup	4
6.	Speed control of three phase induction motor using three phase voltage source inverter	Speed control of three phase induction motor using three phase voltage source inverter	4
7.	Power Electronics Trainer Development System	Power Electronics Trainer Development System	1
8.	DC Motor Speed Control Trainer	DC Motor Speed Control Trainer	1
9.	AC Motor Speed Control Trainer	AC Motor Speed Control Trainer	1
10.	Brushless DC Motor Trainer	Brushless DC Motor Trainer	1
11.	3 Phase High Voltage [HV] Thyristor Control Trainer	3 Phase High Voltage [HV] Thyristor Control Trainer	1
12.	Uninterrupted Power Supply Trainer Kit	Uninterrupted Power Supply Trainer Kit	1

**KAMLA NEHRU INSTITUTE OF TECHNOLOGY,
SULTANPUR**

Electrical Engineering Department

Package Name- KNIT/EED/MPLab/NS-02

Earnest Money Deposit (EMD) – Rs. 7700=00			
Delivery Period—45 days			
S.No	Item Name	Item Description/ Specification	Item Quantity
01.	Microprocessor Based PID Controller trainer kit	Microprocessor Based PID Controller trainer kit (Complete Setup)	02
02.	8085 and 8086 Microprocessor Trainer kit with interface	8085 and 8086 Microprocessor Trainer kit with interface	06

**KAMLA NEHRU INSTITUTE OF TECHNOLOGY,
SULTANPUR**

Electrical Engineering Department

Package Name- KNIT/EED/EMILab/NS-05

Earnest Money Deposit (EMD) – Rs. 3800=00			
Delivery Period—45 days			
S.No.	Item Name	Item Description/ Specification	Item Quantity
1.	TEMP. Development Trainer System	TEMP. Development Trainer System	1
2.	Strain Gauge Trainer Development Trainer	Strain Gauge Trainer Development Trainer	1
3.	Load Cell Trainer System	Load Cell Trainer System	1
4.	Pressure Measurement Trainer	Pressure Measurement Trainer	1
5.	LVDT Measurement Trainer System	LVDT Measurement Trainer System	1
6.	Water Flow Trainer System	Water Flow Trainer System	1

KAMLA NEHRU INSTITUTE OF TECHNOLOGY, SULTANPUR

Civil Engineering Department

Package Name- KNIT/CED/TELab/NS-11

Earnest Money Deposit (EMD) – Rs. 8600=00

Delivery Period—45 days

S.No.	Item Name	Item Description/ Specification	Item Quantity
1.	Ductility Testing Machine	Ductility Testing Machine with Digital Temp Indicator Ref. Standards IS:1208, ASTM D113, AASHTO T 51 It should be designed to test three specimens simultaneously. The machine should consist of a carriage moving over a lead screw. An electric motor driven reduction gear unit must ensure smooth constant speed and continuous operation. The entire assembly is to be mounted with water bath completely encased in metal bound hardwood. It is to be equipped with an electric pump circulator and heater. The temperature is to be controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1cm/min are to be provided. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply. Supplied with Ductility Mould, with Base Plate	1
2.	Penetration Test Apparatus	Universal Penetrometer Ref. Standards - IS:1448 (Part 60), IS:1203, ASTM D 5, IP 49, ASTM D1321, ASTM D 2884, ASTM D1403, IP 310, BS:1377, BS:2000- (Part 49), BS:4691, BS:4698, ASTM D 937, ISO 2137, IP 50, IP 179, ASTM D 217, AASHTO T49, EN DDENV 1991-2 An accurately fabricated steel base has to be designed to facilitate penetration tests to be made over a wide surface area of sample. Adjustable feet are to be provided in the base for levelling. Upright should be rotated to permit the testing of samples immersed in a thermostat bath. Penetrometer should be supplied with a plunger weighing 47.5 g for testing bituminous product, and one each of 50g and 100 g weights, including cone and Penetration Unit. The unit should be compact with in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws. Penetration Cone Ref. Standards IS:1448 (Part 60), ASTM D 937, IP 179, BS:4698, ASTM D217, IP 50, ISO 2137. For empirical estimation of the consistency of lubricating grease and petroleum. Made of brass with a hardened steel tip. The stem of the cone is to be interchangeable with all types of Penetrometers manufactured to close tolerances, providing a unified cone and ensuring that there is no shoulder between the tip and the body. Weight : 102.5 ± 0.05g Bitumen Penetration Kit Ref. EN 1426, 13179-2 Consists of the following: • Penetration Needle	1

		<ul style="list-style-type: none"> • Transfer Dish made of copper. • Aluminium Sample Containers, Set of two. 	
3.	Softening Point Apparatus	<p>Ring and Ball Apparatus, Semi Automatic Ref. Standards - IS:1205, ASTM D 36, E 28, IP 198, IP 58, STPTC PT 3, AASHTO T53, BS:2000, EN 1427</p> <p>It should have magnetic stirrer with heating facility and digital display of temperature, the heating should be adjusted through knob. Suitable for operation on 220 V, 50 Hz, single phase, AC supply. Each unit is to be supplied with a bath of heat resistant glass and Supplied with the following :</p> <ul style="list-style-type: none"> • Tapered Rings 2 Nos. • Ball Centering Guide 2 Nos. • Steel Balls of 9.5 mm dia 2 Nos. • Ring holder 1 No. • Electric Heater (Hot Plate) 1 No. • Thermometer IP 60C • Thermometer IP 61C 	1
4.	Constant Temperature Chamber 15 to 105 °C	Serological Water Bath, Double Walled, with Digital Controller Cum Indicator with stirring arrangement, Inside Stainless Steel, Temp. Range Amb. +5°C to 95°C +/- 0.2°C Size 450x300x175mm (for 6 racks)	1
5.	Electronic Balance	Electronic Balance, Capacity 3000g x 0.1g with NABL calibration Certificate	2
6.	Electronic Balance	Electronic Balance, Capacity 300g x 0.01g with NABL calibration Certificate	1

KAMLA NEHRU INSTITUTE OF TECHNOLOGY, SULTANPUR

Civil Engineering Department

Package Name- KNIT/CED/GISLab/NS-12

Earnest Money Deposit (EMD) – Rs. 48000=00			
Delivery Period—45 days			
S.No.	Item Name	Item Description/ Specification	Item Quantity
1.	Total Station	<p>1. Telescope Image Erect Magnification 30x Objective Aperture 40 mm Minimum focussing dist. Less than 1.8m Field of View 10 30'</p> <p>2. Angle Measurement Accuracy 1'' Least Count 1'' Angle Method Absolute Encoder</p> <p>3. Distance Measurement Range Range with Prism 5 km or better Range without Prism 500 m or better Accuracy with Prism 2 mm ±2 ppm XD Accuracy without Prism 4 mm ±2 ppm XD</p> <p>4. Compensator Dual Axis Compensator Compensator Range +/- 3' or better</p> <p>5. General Specifications Plummet Type Laser Internal Memory 16 GB External Memory 64 GB Battery Backup 36 Hours Operating Emperature -200 C to +500 C Humidity 95% non condensing Keyboard Colour touch screen on both sides with Alphanumeric keyboard Software Data downloading software with all the civil engineering capabilities (area calculation, volume calculation, contouring, level plotting, etc.) as basic features and also compatible with AUTO CAD Data Communication via Bluetooth, pen drive, USB data cable as standard features</p> <p>Standard Accessories to accompany the machine</p>	2

2.	MULTI-FREQUENCY DGPS SYSTEMS	<p>TECHNICAL SPECIFIC FOR MULTI-FREQUENCY RTK DGPS SYSTEMS (Base & Rover)</p> <p>RECEIVER SPECIFICATION</p> <p>Fully independent GNSS satellites tracking systems communication</p> <p>Bluetooth & Wi-Fi etc</p> <p>Indication on Antenna</p> <p>Icons indicating/LED the current status of measure modes, battery, Wi-Fi, Bluetooth & Storage etc.</p> <p>Memory Internal 4GB & 4 GB External through memory Card</p> <p>No. of Channels 500 or more</p> <p>Satellite Signals Tracking and Recording</p> <p>GPS L1, L2, L5 GLONASS L1, L2, L3</p> <p>Beidou B1, B2,</p> <p>Galileo E1, E5A, E5B ,</p> <p>SBAS- QZSS, WAAS, EGNOS, GAGAN</p> <p>Position Rate 20 Hz or better</p> <p>RECEIVER ACCURACY</p> <p>Static Accuracy Horizontal 3 mm+0.1ppm RMS Vertical 3.5mm+0.4ppm RMS</p> <p>RTK Accuracy Horizontal 8 mm+1ppm RMS Vertical 15mm+1ppm RMS</p> <p>Initialization Time < 8 Seconds</p> <p>PHYSICAL SPECIFICATION</p> <p>Temperature Operating -40 °C to +65 °C Storage -40 °C to +80 °C</p> <p>Humidity 100%, Condensing</p> <p>Ingress Protection IP67</p> <p>COMMUNICATION</p> <p>1 Serial & Power Port, 1 Radio Modem Port, 1 GSM/GPRS or CDMA, Integrated Bluetooth & Wi-Fi</p> <p>POWER</p> <p>Internal 8hrs each Li-ion</p> <p>External power 9 V to 18 V,</p> <p>CONTROLLER</p> <p>One Controller with each receiver</p> <p>Keypad Alphanumeric hard keypad</p> <p>Display 3.7" Colored Touch screen Full VGA display with Touch qwerty keyboard.</p> <p>Inbuilt Sensors 5MP Camera with LED flash, L1 GPS 48 Channel , Compass with GIS Feature</p> <p>Communication Bluetooth, WiFi, Cellular Modem, USB, Integrated speaker, microphone and telephone receiver</p> <p>Memory 500MB RAM + 4 GB inbuilt Storage</p> <p>Battery 8 hrs</p> <p>Temperature Operating -30 °C to +60 °C</p> <p>CONTROLLER SOFTWARE</p> <p>Should have following functions</p> <p>Static, Fast Static, RTK. The software should be able to log data for all the signals tracked.</p> <p>- stake Out</p> <p>Should support Graphical stakeout, not only for points but for Lines as well. Should be able perform Real Time Quality Control for stake out positions</p> <p>Feature Coding with Automatic dwg.</p> <p>Active Background maps inform of JPEG/TIFF, DXF/DWG</p> <p>Export to industry standard formats like CSV, DXF, KMLetc</p>	1
----	------------------------------	---	---

		<p>Should support COGO functionality. Should be able to Key in Lines, Sub-divide lines and creating parallel lines for staking out purpose. Calculation of transformation parameters from point list. Data formats: - RTCM Version 2, RTCM 3 or higher, CMR+Input/output Fully integrated RTK kit complete with all necessary accessories, fittings, cables, software's etc. for RTK operations using GSM/GPRS or CDMA and 0.5 W radio modem should be provided (internal/ External) . Internal Receiver radio for Rover: The receiver internal radio should have facility for transmit and receive (Tx& Rx) option to work with RTK functionality. The internal radio needs to be of 0.5 W to 1W Should have datum and projection support. The receiver should have functionality to be preconfigured in office. Should be able to store static data without the use of any external device or controller. POST PROCESSING SOFTWARE Processing of raw data of GPS L1, L2, GLONASS L1, L2, etc Export to RINEX Formats Export to industry standard formats Report Generation Coordinate System Manager Datum and projection support. Baseline processing Feature to process static data of single point for control DWG SOFTWARE Own Powerful CAD Platform for drawing. Data Import data form Total Station, DGPS, Theodolites, Digital Level, raster Image. Automatic Generate Grid Plan base on user defined Axis & Rotation, Contour Plan(Elevation Filter Option Available for Eliminating Erroneous Elevation during Contour Generation and Contour area report) , Traverse adjustments of both closed boundary & open area with both least square method &bauditch methods., UTM Conversion, Generate Cross & L-Section , Area /Volume , etc Export & Import CSV,DXF, XML, RAW, TXT, SDR, RAW etc. S.No Bill of Material Quantity</p> <table border="0"> <tr> <td>1.</td> <td>Integrated GNSS Receiver</td> <td>2</td> <td></td> </tr> <tr> <td>2.</td> <td>Controller</td> <td></td> <td>2</td> </tr> <tr> <td>3.</td> <td>Controller Bracket</td> <td></td> <td>2</td> </tr> <tr> <td>4.</td> <td>Tripod, Tribrach and Adaptor</td> <td></td> <td>2</td> </tr> <tr> <td>5.</td> <td>telescopic Range Pole 2.6M Type Carbon Fiber</td> <td>1</td> <td></td> </tr> <tr> <td>6.</td> <td>Post Processing Software</td> <td></td> <td>1 License</td> </tr> <tr> <td>7.</td> <td>Controller Software</td> <td></td> <td>2 License</td> </tr> <tr> <td>8.</td> <td>Dwg Softwares</td> <td></td> <td>1 License</td> </tr> <tr> <td>9.</td> <td>Hard Plastic carrying case</td> <td></td> <td>2</td> </tr> <tr> <td>10.</td> <td>External Power Cable</td> <td></td> <td>1</td> </tr> </table>	1.	Integrated GNSS Receiver	2		2.	Controller		2	3.	Controller Bracket		2	4.	Tripod, Tribrach and Adaptor		2	5.	telescopic Range Pole 2.6M Type Carbon Fiber	1		6.	Post Processing Software		1 License	7.	Controller Software		2 License	8.	Dwg Softwares		1 License	9.	Hard Plastic carrying case		2	10.	External Power Cable		1	
1.	Integrated GNSS Receiver	2																																									
2.	Controller		2																																								
3.	Controller Bracket		2																																								
4.	Tripod, Tribrach and Adaptor		2																																								
5.	telescopic Range Pole 2.6M Type Carbon Fiber	1																																									
6.	Post Processing Software		1 License																																								
7.	Controller Software		2 License																																								
8.	Dwg Softwares		1 License																																								
9.	Hard Plastic carrying case		2																																								
10.	External Power Cable		1																																								

**KAMLA NEHRU INSTITUTE OF TECHNOLOGY,
SULTANPUR**

Mechanical Engineering Department

Package Name- KNIT/MED/MSLab/NS-20

Earnest Money Deposit (EMD) – Rs. 7200=00			
Delivery Period—45 days			
S.No.	Item Name	Item Description/ Specification	Item Quantity
1.	Inverted High Quality Professional Metallurgical Microscope with Camera and image analysis Software	Magnification: 50X to 1000X Camera: Digital camera with 5 Mega pixel minimum. Image Analysis Software: Complete software for metallurgical microscope to measure <ul style="list-style-type: none">• Particle measurement, Line measurements for distance, Length, Width, Perimeter, Area, Angle• Three point radius.• Phase volume fraction• Nodularity• Porosity• Grain numbers and grain size.• Coating thickness• Manual and auto scaling	1

**KAMLA NEHRU INSTITUTE OF TECHNOLOGY,
SULTANPUR**

Mechanical Engineering Department

Package Name- KNIT/MED/FMLab/NS-21

Earnest Money Deposit (EMD) – Rs. 4600=00			
Delivery Period—45 days			
S.No.	Item Name	Item Description/ Specification	Item Quantity
1.	PELTON WHEEL TURBINE TEST RIG	<ol style="list-style-type: none">1. Pelton Wheel: 300 mm Diameter with 18 Buckets2. Sump tank capacity: 200 liters High Grade Plastic3. Flow rate measurement: Orifice meter with Burdon type pressure gauge4. Pump : Monoblock type, 4 litre/sec, Head 20 mtrs; Motor 5 HP5. Piping with necessary Valves and Fittings6. Digital RPM Indicator7. Detailed Technical Manual and On-site Training	1

KAMLA NEHRU INSTITUTE OF TECHNOLOGY, SULTANPUR

Mechanical Engineering Department

Package Name- KNIT/MED/DOMLab/NS-22

Earnest Money Deposit (EMD) – Rs. 14400=00			
Delivery Period—45 days			
S.No.	Item Name	Item Description/ Specification	Item Quantity
1.	Pin on disc friction and wear testing machine	<ol style="list-style-type: none"> 1. Normal Load Range - Up to 200N 2. Frictional Force Range- Up to 200N with a resolution of 1N with Tare facility 3. Wear Measurement Range - ± 2000 micro meters 4. Sliding Speed - 0.26 to 10m/s 5. Disc Speed - 0 to 2000 rpm 6. Preset Timer Range - up to 99hrs:59min:59sec 7. Wear Disc Diameter - 165mm 8. Wear Disc Track Diameter - 10 to 140 mm 9. Specimen Pin Diameter/ Diagonal - dia. 3mm to 12mm 10. Pin Length - 25 to 30mm <p>Other ACCESSORIES:</p> <ol style="list-style-type: none"> 1. Data Acquisition System - Real Time Data Acquisition of Friction, Wear, Temperature which can be analyzed and Comparing with different test materials. 2. Pin Heating System - Up to 250⁰ C 3. Lubricating Re-circulation System- Tank Capacity – 3 Liters, Flow Rate – 0-1 Liter/min, Viscosity Range – 90 SAE Max., Temperature – Ambient to 60⁰ C Max. 4. Specimen Holders-Ball, Square & Rectangular – Each 01 no 5. Environmental chamber- With view port for inert gases & steam 6. Wear Disc - EN 31 Mtrl, 58-60 HRC 	1
2.	Abrasive cutting machine	<ol style="list-style-type: none"> 1. Cutting capacity: Up to 50 mm 2. Spindle Speed: 2800 RPM 3. Cut -off wheel dia: 8" (Max) 4. Cutting Motor: 2 HP 5. Vice: Self centering with 360° rotation jaw opening 4" 6. Material: Splash proof, corrosion resistant with see through hood 7. Cooling: By two high flow water jets to provide optimum cooling 8. Illumination: Fluorescent light in the working area provides safe and clear illumination 9. Coolant Tank Capacity: 20 Liters 	1

KAMLA NEHRU INSTITUTE OF TECHNOLOGY, SULTANPUR

Electronics Engineering Department

Package Name- KNIT/EL/Instr.Lab/NS-15

Earnest Money Deposit (EMD) – Rs. 19000=00			
Delivery Period—45 days			
S.No.	Item Name	Item Description/ Specification	Item Qty
1.	TEMP. Development Trainer System	Temperature sensors Lm35,RTD, THERMISTOR, and J type thermocouple Switches facility to switch from one sensor to other, Operational amplifier and signal conditioning circuit to compulsive output Inbuilt ADC conversion LCD 16*2 display to observe temperature of different temperature sensors using Input banana sockets. On board power jack	5
2.	Strain Gauge Trainer Development Trainer	<ul style="list-style-type: none"> • Sensitive, Linear, Stable & Accurate. • Test-Points to Observe Input Output of Each Block. • Onboard Offset Null Adjustment. • Built In DC Power Supplies +5V,-5V DC. • 3½ Digits LED Display. 	5
3.	Humidity Trainer Development System	With Humidity sensor module with resistance type Linear dc Output voltage for 0-100% RH On board SYH-2/SYHW-2 Sensor Wide temp. Compensation range, Microcontroller 8051 based humidity control system.	5
4.	Proximity Trainer Development System	<ul style="list-style-type: none"> • Platform to learn metal detecting facility using proximity metal detector • 12 volt DC motor mechanism to produce rpm • Rpm count display using LCD(16X2) • Switches control to control direction and motor speed 	5
5.	Accelerometer Measurement Trainer System	<ul style="list-style-type: none"> • Acceleration along X, Y, Z axis. • High sensitivity of 800mV/g @1.5g • User selectable acceleration range of ±1.5g or ±6g • Onboard 3.3V low drop voltage regulator • input range of 3.6V to 6V. • Supply voltage (Vdd): 2.2V to 3.6V @ • 400µA (accelerometer supply range) • Sleep mode current: 10 µA • Sensitivity: 1.5g : 800 mV/g 6g : 206 mV/ g • Static acceleration : XOUT,YOUT,ZOUT @ -1g: 0.85V @ 0g: 1.65V @ +1g: 2.45 • Bandwidth: X, Y axis: 400Hz,Z axis: 300Hz • Output Impedance : 32KΩ 	5
6.	LVDT Measurement Trainer System	Specification: - System s withAC-AC spring loaded 20mm LVDT PIC microcontroller based system LCD 16*2 display unit to show LVDT output results 4.2KHZ Frequency generator with test points to adjust frequency	5



**KAMLA NEHRU INSTITUTE OF TECHNOLOGY,
SULTANPUR (U.P)- 228118**

Phone & Fax - 05362-240454

**INVITATION FOR QUOTATIONS FOR
CIVIL WORKS UNDER SHOPPING PROCEDURES**

To

Dear Sirs,

Sub : INVITATION FOR QUOTATIONS FOR CIVIL WORKS

1. You are invited to submit your most competitive quotation for the following works:-

Brief Description of the Works	Approximate value of Works (Rs.)	Period of Completion
	As per Annexure attached	

2. Government of India has received a credit from the International Development Association (IDA) in various currencies towards the cost of the TEQIP-III Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. The Director KNIT Sultanpur(UP), invites bids for civil works detailed in the Annexure.
4. Bidding documents may be downloaded from the institute website www.knit.ac.in
5. Bid must be submitted along with earnest money (as specified up table) in shape of demand draft or cash receipt in favor of **Director KNIT Sultanpur(UP)**,
6. To assist you in the preparation of your quotation, we are enclosing the following:
- Detailed Bill of Quantities,
 - Technical Specifications;
 - Instructions to Bidders
7. Bids must be delivered to the office of the world bank TEQIP-III Cell ,**Coordinator (Procurement), WBTEQIP-III, K.N.I.T. Sultanpur-228118 (UP)** before the stipulated date and time on OR before 15:00 hrs on date **11/12/2017** and will be opened on same day at 15:30 hrs in the presence of the bidders who wish to attend in the committee room of the institute.

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

Sd/-

Coordinator (Procurement)

On behalf of the

Director, K.N.I.T.Sultanpur(UP) – 228118

Instruction to bidders

1. Quotation shall remain valid for a period not less than **90 days** after the deadline date specified for submission.
2. The work must be completed in all respect within specified period from the date of award of work.
3. Each downloaded duly quoted package should be submitted along with nationalized/scheduled bank demand draft of appropriate amount as an Earnest money deposit (EMD) in favour of “**Director, K.N.I.T. Sultanpur (UP)**, (@2% for each package), else bid(s) is/are liable for rejection in toto. Separate draft of EMD should be for each package.
4. Rate must be quoted item wise only. Rate quoted in Percentage or in other form will not be considered. All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
5. The contract shall be for the whole works as described in the Bill of quantities, drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
6. 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. Any quotation received after the deadline for submission of quotations will be rejected and returned unopened to the bidder.
7. Each bidder shall submit only one quotation. The rates should be quoted in Indian Rupees only.
8. Qualification of the bidders – The bidder shall provide qualification information which shall include.
 - (a) Total monetary value of civil / Refurbishment works performed on last three years (with a copy of such proof) & should have satisfactorily completed as a prime contractor at least one similar work of value not less than Rs. 500,000 in the last three years;
 - (b) Income tax clearance certificate of PAN No. from the concerned IT circle.
 - (c) Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.
 - (d) should possess valid electrical license for executing building electrification works (in the event of the works being sub - contracted, the sub-contractor should have the necessary license);
 - (e) should possess required valid license for executing the water supply/sanitary works (in the event of the works being sub-contracted, the sub-contractor should have the necessary license);
9. The quantity of work may be vary up to $\pm 20\%$.
10. The bidder is advised to visit the site of work at his own expense and obtain all information that may be necessary for preparing the quotation.
11. The bidder shall seal the quotation in an envelope addressed to the **Director KNIT Sultanpur(UP)**. Bids must be delivered to the office of the world bank TEQIP-III Cell ,**Coordinator (Procurement), WBTEQIP-III, K.N.I.T. Sultanpur-228118 (UP)** before the stipulated date and time .The envelope will also bear the following identification:-

Quotation for _____ (Name of the Contract)
Do not open before _____ (time and date of quotation opening).
12. Information relating to evaluation of quotations and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.
13. Payments to the party for the refurbishment/repairing work may be released in the following manner:-

Payment of 50% amount of the award of contract can be made after 75% of the total work executed

14. Within 15 days of receiving letter of acceptance, the successful bidder shall deliver the performance security (either a bank guarantee or a bank draft in favour of the **Director KNIT Sultanpur(UP)**.) for an amount equivalent of 3 % of the contract price. The Performance Security shall be valid till the expiry of the period of maintenance of the work.
15. The work must be completed within the time allowed for the same. In case of any delay the contractor has to pay compensation for the delay @200/- per day subjected to the maximum 10% of the value of total work. The date of completion can be extended by the approval of **Director KNIT Sultanpur(UP)** on proper justification.
16. The “Period of Maintenance” for the work is six months from the date of taking over possession or one full monsoon season whichever occurs later. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.
17. The **Director KNIT Sultanpur(UP)** reserve the right to accept or reject any bid and to cancel the bidding process and reject all bids at any time prior to the award of contract.
18. The “Defects Liability period” for the work is six month from the date of completion. During this period the contractor will be responsible for rectifying any defects in work free of cost to the Employer.
19. Rest condition will be as per P.W.D. Norms.
20. All legal disputes are subjects to the jurisdiction of **Sultanpur (UP)** court only.

Sd/-

Coordinator (Procurement)

On behalf of the

Director, K.N.I.T.Sultanpur(UP) – 228118

KAMLA NEHRU INSTITUTE OF TECHNOLOGY, SULTANPUR
Central Facility (Civil Works)

Package Name- KNIT/CF/CW/NS-33

Estimated Total Cost Rs. 3500000=00 Earnest Money Deposit (EMD) – Rs. 70000=00 Period of Completion of Work-90 days			
S.No.	Item Name	Item Description/ Specification	Item Quantity
1.	Civil Works Repairing Partitioning, Repairing etc. in Labs	Repair work, Partitioning, Painting, Old window Cement Plaster etc.,	1

Bill of qty for Renovation/Refurbishment work in Lab and Academic Buildings

SN	Item	Qty	Rate	Amount
1	Providing and laying vitrified floor tiles in different sizes (thickness 8 mm to 10 mm or to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622 of approved make, colors and shade laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete as (D.S.R. 11.41.2) (D.S.R. – Delhi Schedule of Rates)	1700m ²		
2	Oil bound distemper two coat on wall including supply of all materials labour and tools and plants etc. required for proper completion of the work as (S.I. 649+650) (S.I. - Schedule of Rate no of Sultanpur)	3060m ²		
3	12mm thick plaster with cement mortar in proportion 1:2 with 1 cement and 3 approved coarse sand (S.I. 583)	100 m ²		
4	Repair of Z-section window and grill (with cutting and welding work) including supply of welding rod, necessary Z-section and flat, labour tools and plants required for proper completion of work as per instruction of site incharge.	200m ²		
5	Painting on door and window with enamel paint two coat with approved paint (Asian or equivalent) including supply of all materials, labour tools and plants (SI 645+646)	400m ²		
6	Fixing of new PVC glass sheet panes including removing of old damage glass panes with material putty, labour, tools and plants etc. required for proper completion of work as per direction of site incharge.	50m ²		
7	Supply and fixing of anodized aluminum partition, doors having 2mm thick aluminum section fully/partially glazed made of aluminum door tube section as per direction of site incharge. Door should be open able shutters. The rate will include cost of material fixture 5mm thick glass panes, in door handles, locks, necessary biddings, floor spring for proper completion of work.	164m ²		