



**INVITATION
LETTER**

Package Code: CRS/TEQIP-III/2020/UP/mmug/03

Current Date: 25-Feb-2020

Package Name: MUTMECRS03

Method: National Shopping

To,

Sub: INVITATION LETTER FOR MUTMECRS03

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)	Required Delivery Time
1	Surface roughness tester	01	MMMUT, Gorakhpur	Applicable	Within 4 weeks after issuing of Purchase order
2	Probe sonicator	01	MMMUT, Gorakhpur	Applicable	Within 4 weeks after issuing of Purchase order
3	Optical microscope with vision measuring system	01	MMMUT, Gorakhpur	Applicable	Within 4 weeks after issuing of Purchase order

2.	NPIU-MHRD (Government of India) has received a credit from the International Development Association (IDA) towards the cost of the Collaborative Research Scheme (CRS) under 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 is issued.	
3.	Quotation	
	3.1	The contract shall be for the full quantity as described above.
	3.2	Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
	3.3	All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
	3.4	Applicable taxes shall be quoted separately for all items.
	3.5	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.
	3.6	The Prices should be quoted in Indian Rupees only.
4.	Each bidder shall submit only one quotation.	
5.	Quotation shall remain valid for a period not less than 60 days after the last date of quotation submission.	
6.	Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which	
	6.1	are properly signed; and
	6.2	Confirm to the terms and conditions, and specifications.
7.	The Quotations would be evaluated for all items together.	

8.	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.	
	8.1	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.
	8.2	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.
9.	Payment shall be made in Indian Rupees as follows:	

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation	30	80
Satisfactory Acceptance	30	20

10.	Liquidated Damages will be applied as per the below: Liquidated Damages Per Day Min %: 0.01 Liquidated Damages Max %: 10
11.	All supplied items are under warranty of 12 months from the date of successful acceptance of items and AMC/Others is.
12.	You are requested to provide your offer latest by 15:00 hours on 11-March-2020 .
13.	Detailed specifications of the items are at Annexure I.
14.	Training Clause: In-house (MMMUT) training for two days
15.	Testing/Installation Clause: Complete Installation and demonstration is required for all three setup/devices as mentioned in S. No. 1, 2 and 3.
16.	Certificates of manufactures/authorized dealers/agents must be attached with the quotation.
17.	Copy/List of purchase orders of similar equipment/goods supplied to other reputed organizations should be attached with the quotations in support of quoted rates.
18.	Should follow Environmental Management System like ISO- 14001:2001 Consistent with the Bidders Environmental Policy. Compliance to Quality Management System like ISO- 9001:200 function effectively by adopting a process approach. Should have adopted Quality, Environment, Health and Safety Policy to meet changing expectations of customers, to use resources in environment friendly manner and to minimize hazards/risks in compliance with occupational health and safety practices.
19.	The bidder should not have been blacklisted by central/ state Government/ PSU entity in India or similar agencies globally for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices as on date of submission of the proposal.
20.	The bidder should have a registered number of GST registration certificate from GSTN, where business is located. The bidder should have a registered income tax/ PAN number and must have a clearance status
21.	Any deviation from the printed specifications should be clearly mentioned in the offer document by the Bidder.

22.	In case the firm decline to offer the specified equipment after receiving the purchase order it will be get blacklisted by the MMMUT and the concerned firm will not be qualified for bidding in future.
23.	At least one or more similar nature of work should be executed in any NIT/IIT/Govt. Institutions. Necessary document must be accompanied along with the bid.
24.	Successful bidders kindly Provide Performance security @ 10% of the goods cost (where total package cost exceeds Rs. 5 lacs), valid for 1 Year
25.	Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
26.	The OEM should have GAC/GRIHA/IAQ certified products.
27.	Company shouldn't be blacklisted in recent years.
28.	In order to provide better service to institution, the bidder should have local service setup at Gorakhpur
29.	The Bidder should have its own in-house testing facility. Quality Management System as per International Standards. The Bidder shall furnish all such certificates as and when required.
30.	Sealed quotation to be submitted/ delivered at the address mentioned below, The Registrar, M. M. M. University of Technology, Deoria Road, Gorakhpur – 273010
31.	We look forward to receiving your quotation and thank you for your interest in this project.
32.	Any dispute shall be settled in Gorakhpur jurisdiction only.

(Authorized Signatory)

Name & Designation

**FORMAT FOR QUOTATION
SUBMISSION**
(In letterhead of the supplier with seal)

Date: _____

To: _____

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. _____

Specifications of Equipments

Name of items	Z direction	±500µm
1.Surface roughness Tester (Advanced Research Grade Model)	X direction	50 mm
	Evaluation length	0.1 to 50 mm
	Straightness accuracy	0.3 µm/ 50 mm
	Detector vertical movement volume	50 mm
	Measurement	0.15, 0.3, 0.6, 1.5, 0.3/0.05. 0.2, 1 mm/s (switching)
	Pickup sensing type	Diffrenetial induance
	Measurement method	Skid less/skid (optional)
	Z direction resolution	0.0001 µm/40 µm, 0.00125 µm/500µm
	Measurement force	0.75 mN
	Stylus radius	rtio- 2µm
	Stylus angle	60° cone
	Stylus material	Diamond
	Calculation standards	Comply with JIS203/2001, JIS994, JIS 1982, ISO1997/2009, ISO13565, DIN1990, ASME2002/2009, ASME1995, CNOMO
	Parameter- profile curve	Pa, Pq, Pp, Pv, Pc, PSm, PΔq, PPc, Psk, Pku, Pt, Pmr(c), Pmr, Poc, Rz82, TILTA, AVH, Hma, Hmin, AREA, Rmax, Rz, Sim, Δa, Δq, λa, λq, Lr, Rsk, Rku, Rq, Rpk, Rvk, Mrl, Mr2, Vo, K, tp, tp2, Hp
	Parameter- Roughness Curve	Ra, Rq, Rv, Rc, Rv, Rc, Rt, RSm, RΔq, Rsk, Rku, Rmr (c), Pmr, Pc, Rz94, R3z, RΔa, Rλa, Rλq, Ry, Lr, Sm, S, tp, tp2, PC, RPcJIS, RPc, ISP,

		RPcEN, Pc, PPI, Rp, Rmax, Rz,I, RS, Rmr2, Mr1, Mr2, Rpk, Rvk, Rk, Vo, K, A1, A2, Rpm, Δa, Δq, Htp
	Waviness profile curve	Wa, Wq, Wt, Wp, Wv, WSm, WPC, Wsk, Wmr, Wc, Wz, Wc, Wku, WΔ, WEM, WE-a, WE-p, WE-v, WE-Sm, WEC-q, WEC-m, WEC-p, WEC-v, WEC-Sm
	Parameter- Motif	R, Rx, AR, W, Wx, AW, Rkv, Rpke, Rvke, NCRX, NR, CPM, SR, S, Var, Wtc, NW, SAW, SW, Mrle, Mr2e, Vo, K
	Evaluation curve	Profile curve, roughness curve, filtered waviness curve, Waviness profile curve, ISO13565, special roughness curve, roughness motif curve, upper envelop waviness curve, rolling circle waviness curve
	Characteristics graphs	Abbot curve, amplitude elasticity function, power graph
	Filter type	Gaussian, 2RC (phase compensation), 2RC (non-phase compensation)
	Cutoff value- λ_c	0.08, 0.2, 0.8, 2.5, 8.25 mm
	Cutoff values- λ_c	None, - 2.5, 8, 25 μm

	Displays	7- inch color liquid crystal touch panel
	Data output	USB connectors for USB memory , micro USB connector for USB communication
	Print output	Inbuilt thermal printer
	Language	Japanese, English, Chinese (traditional Chinese/Simplified Chinese)
	Power supply	AC100 to 240 +10%, 50/60 Hz, single phase
	Power supply charging	Built in battery (to be charged using AC adapter), charging period -3 hours
	Power consumption	Maximum 80VA
	External dimension	Amplifier indicator specimen- 320×167×44 mm/ about 4.2 kg for the entire system
	Standards accessories	Roughness specimen (E-MC-S24C), touch pen (E-MA-S112A) printing paper (E-CH-S25A)*1, instruction manuals, support ware II
Standard accessories:	<ul style="list-style-type: none"> • Basic Measuring unit • Touch display unit with Thermal Printer • Gauge / Detector head • Diamond Stylus of 2μm / 60 Degree (DM43801) • Master Specimen 3.18 μm • Stylus Check Specimen 0.40 μm • Cable Set. • Printer • User Manual • Granite base and column through tilting adjustment to hold the instrument at different angles with stand 	

2.Probe Sonicator with LED Screen Display(Ultrasonic)	Ultrasonic power	500 watts
	Ultrasonic frequency	20 kHz
	Probe	25 mm
	Processing volume	5 ml -500 ml
	Display	LED screen
	Programmable	10 Nos. of program set and stored
	Power supply	AC 230 V & 50/60 Hz, single phase
	Robe material	Titanium alloy TI-6AL-4V
	Frequency control	Tuning
	Amplitude/ power	Variable amplitude & power control programmable controller
	Sealed converter	Piezoelectric lead zirconate titenate crystke (PZT) energy converer
	ON/Off pulse	Controls ON and off cycle independently from 1 to 99 second
	Process timer	Process continuously 1 t 99 minutes
	Temperature indicator	Indicates sample temperature 10 to 99℃
	Temperature controller	Indicates temperature & automatically m/c off when it crsses desired value
	In built protection circuit	Overload protection, power protection, high temperature protection, high voltage & dry ru protection
	Standard accessories	Ultrasonic generator, ultrasonic cable with PT 100 sensor sealed converter, probe (1 standard probe), wrench set
	Certificate	Product CE certificate
	Warranty	One year
	Additional accessories	<ul style="list-style-type: none"> • Sound Enclosure (Stand with Holding Clamp) • Laboratory Jack • Mini Hydraulic Press <ul style="list-style-type: none"> ➤ up to 2 tons, Tolerance 12-15 kg/sq.cm. ➤ quality-07/13mm • Hot Air Oven <ul style="list-style-type: none"> ➤ 1500 watts ➤ Capacity Up to 45 liters ➤ Minimum 2 number of shelves

3.Optical Microscope with Vision measuring system	Reputed brand of research-grade	
	Software	MSU-3Dpro
	Measuring range- standard	150×100×100 mm
	Measuring range optional	X-Axis upto 500 mm, Y- Axis upto 400 mm, Z- Axis upto 300 mm
	Linear accuracy	0.005/0.001/0.0005/0.0001mm
	Linear accuracy	(3+L/200) micron
	Repeatability	0.002 mm
	Vision	1/3" high-resolution CCD camera
	Magnification	Optical magnification 0.7x to 4.5 x & magnification on monitor 35 x- 225 x
	Video edge detection	Standard
	Optical hardware	19" TFT monitor
	Illuminum surface	Fibre optic/ LED
	Illumination contour	Halogen lamp/ LED
	Operation	Manual with quick release knob
	Base platform & column	Metal base/ granite base
	Platform load capacity	30 kg
	Power supply	220-240 V/- 5%, 50/60 Hz
	Printer	Standard make for image printing
	Motion control through joystick	Yes
	Programmable light control	Yes
	Touch probe	Yes
	Nonlinear error correction	Yes
	High speed computer system	i-7 system with 6 GB ram should be incorporated with this device