Central Purchase unit
National Institute of Technology Srinagar-190006
Tel:- 0194-2424792/2429423/2424809/2424797 Fax:- 0194-2420475
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No. NITS/CPU/ /2016/Mech/2233-40
Dated.:- 31.05.2016

M/S……..
…….

Sub: Invitation of Bids for the supply of **Lab equipment for Pavement lab of Civil Engg. Deptt**

Dear sir,

1…You are here by invited to submit your most competitive Bid for the lab equipment with detailed Specification of these goods as give in Annexure-A. The offer to be submitted in two bid System.

2. (Envelope- A (Technical Bid) It should contain the following; (As per tender opening format)

(a) Authorization /dealership/manufacturer certificate.
(b) Valid tax clearance certificate for bidders from J&K State.
(c) Technical specification/ literature for the goods/equipment
(d) Bid security @ 3% in the form of CDR in favour of Chairman, Central Purchase Unit NIT Sgr. and tender document fee Rs. 300/- in the form of DD, in favour of Director, NIT Srinagar.
(e) Certificate of sale after sale service support wherever necessary.
(f) Proof of legal status.

3. (Envelope-B (Price Bid) It should contain the following

(a) Bid prices (Preferably in Indian Rupees)
(b) Bid price should be firm for the bid validity period.
© **All duties, taxes and levies (CST/GST/VAT or other taxes) payable, must be quoted separately**.
(d) **As per SRO 129 of Government of Jammu & Kashmir, the institute is Exempted for state entry tax. The Institute will provide Entry tax exemption certificate to successful bidder with supply order. The Institute is also exempted for Custom/Excise duty.**
(e) The rate quoted should be FOR NIT Srinagar.
(f) Bid price should be without over writing, however minor over writing should be clearly signed by the bidder. In case of any discrepancy between price quoted in figures and words, the price quoted in words shall be accepted.
(g) **The rates should be covered with transparent tape.**
(h) Bid form in the format given in Annexure-B
(i) Technical specification Schedule as per Annexure-C
(j) Price bid schedule in the format enclosed in Annexure-D

4. Validity of Bids

Bids shall remain valid at least for 120 days from the date of opening.

5. Evaluation of Bids.

(a) The purchaser shall evaluate and compare the bids which are found substantially Responsive. i.e which are
(i) Properly signed
(ii) Conform to terms and conditions and technical specifications.
(iii) Accompanied with Bid security and all other documents.
(b) Bids shall be evaluated separately for each item.

6. Award of contract

(a Contract shall be awarded to the bidder whose bid is commercially, technically responsive and offered at lowest evaluated price.
(b) Successful bidder shall be notified about the award of the contract where in terms and conditions of supply shall be incorporated.

7. Payment.

100% payment shall be made against delivery of goods at NIT Srinagar Campus in good condition, as per specifications and successful installation/commission.

8. Warranty:

(a) All items shall carry comprehensive standard warranty of two years.

9. Performance security.

(a) Successful Bidders shall submit performance security promptly after award of contract.

(b) Performance security shall be in the form of Bank Guarantee for the amount as mentioned in the award of contract letter/supply order. However it shall not exceed 10% of the contract value.

10. Penalty for delay.

A penalty of 0.15% (fifteen paisa per hundred) per day shall be imposed if the supply is made beyond the prescribed period mentioned in supply order.

11. Settlement of disputes.

Settlement of any dispute will be made under the jurisdiction of Srinagar court.

12. Liquidated Damages.

If the bidder after accepting the purchase order of goods/equipments or services, fails to deliver any or all of the goods/equipments or to perform the services with in the specified period, a penalty of 15 paisa per hundred per day shall be charged. The maximum penalty can be limited to 10% of the cost. Once maximum is reached NIT Srinagar may proceed on its own to consider the termination of the supply order.

13. Submission of Bids.

(a) **The last date for submission of bids is 04.07.2016 upto 4.00 P.M.**

(b) Bids should be properly sealed.

(c) The two envelopes A & B should be kept in separate one envelope. Enquiry No., due date of opening and **Quotation for supply of equipment for pavement lab Civil Engg.Deptt.** must be mentioned on this envelope.

(d) Bids should be addressed to Chairman Central Purchase unit NIT Srinagar.

(e) Bids shall be accepted up to one hour before opening.

(f) Bidders not from Srinagar shall dispatch bids sufficiently well in advance s as to reach the destination one day prior to bid opening.

14. Bid opening

(a) The Technical Bid (Envelope- A) will be opened first and price Bid (Envelope-B) of the bidder will be opened after qualifying the Technical Bid (Envelope-A).

(b) Interested bidders can attend the bid opening.

15. Not withstanding above the purchaser reserves the right to reject any or all the bids.

16. We look forward for your quotation.

Thanking you,

Chairman
Central Purchase unit, NIT Srinagar

Note:

1. Before preparing your valuable bid kindly go through the document fully and take care of all the requirements.
2. Bidders from outside Srinagar may please send their Bids much in advance so that they are received in time.

Annexure-A

Schedule of Requirements.

Details of Equipment:-

S. No	Item	specifications	Qty	Delivery Period
1	Pensky-Martens Flash Point (open) and Fire Point apparatus/Tester	Flash Point (open) and Fire Point pensky-Martens apparatus, with brass coil cups with heat resistant handle, hot plate and energy regulator. Suitable for Oils and Paving Asphalt Binder Temperature Range upto 405°C Operational at 220V, single/three phase supply, Complete with All Required Accessories	2	60 days
2	Ring and Ball Softening Point Apparatus	Ring and Ball Softening Point Apparatus for determination of softening point of Bituminous materials, complete with steel balls, brass rings, metallic support, beakers, thermometers etc., Complete with All Required Accessories	2	
3	Electronic Digital Top Balance.	Digital, Capacity: 60kg x 1.0g	1	
4	Electronic Digital Top Balance.	Digital, Capacity: 5kg x 0.1g Accuracy: 0.1gm (Min)	1	
5	Electronic Digital Top Balance.	Digital, Capacity: 1kg x .01g Accuracy: 0.01gm (Min)	1	
6	Electrically Operated Hot Plate	Hot Plate, electrically operated, thermostatically temperature controlled (upto minm^{m} 100^{0}C) minimum 20cm dia, Complete with All Required Accessories	2	
7	Laboratory Water Bath, Big	Laboratory Water Bath, steel body, electrically operated, minimum 60 litre capacity and Thermostatically Controlled (upto 100^{0}C), Complete with All Required Accessories	1	
8	Cast Iron Spheres/Balls for LA Abrasion Test	Cast Iron Spheres/Balls, Approx 48mm Diameter and 390-445g in Weight for Los Angeles Abrasion Testing of Aggregates	30	
9	Buoyancy Balance for Aggregate Specific Gravity and Water AbsorptionTest	Buoyancy Balance for Aggregate Specific Gravity and Water Absorption Testing, with Aluminium/SS Basket, Electronic Balance etc., Complete with All Required Accessories	1	
10	Uninterrupted	Three Phase Uninterrupted Power System/Source	1	

	Power System/Source (UPS)	(UPS), Supports Minimum 5 KVA with Battery Bank and minimum 4-Hours Backup, Complete with All Required Accessories		
11	Compression Testing Machine, 2000kN Capacity	Compression Testing Machine, Duly Calibrated and Certified by NABL, Strong Load Frame, Base Carrying a Fine Finished Hydraulic Ram and the Lower Platen. Smooth Loading of the Specimen, Pumping Unit Powered by 1.5 kW Electric Motor and Fully Automatically Controlled, Digital Display of Load, Capacity : 2000kN Max. Ram Travel : 50 mm Day Light clearance : 340 mm Horizontal clearance : 350mm Size of platen : 256 mm Complete with All Required Accessories	1	
12	Pressure Aging Equipment (Vessel)	**Pressure Aging Equipment (Vessel)** for Aging of Asphalt Binder, Stainless Steel Pressure Vessel with Encased Band Heaters and Integral Pressure and Temperature Controls. A Platinum RTD Measures Internal Test Temperature to ±0.1°C. Selectable Test Temperatures (Standard 90/100/110°C) are controlled to ±0.2°C. Pressure is monitored by Transducer and Controlled to 2.1 ± 0.1 MPa. Temperature and Pressure Digital Indicators Display Both Set Points and Actual Values. An Excess Pressure Relief Valve and a Temperature High Limit are Standard Safety Features. Data Logging of Both Temperature and Pressure and PC Transfer of Data at the End of the Test. **Bottled Compressed Air with Regulator**. Supplied Complete with 10 Stainless AASHTO/ ASTM T179 Thin Film Oven Test Pans, Precision Assembled Rack to Support the Pans, Power Card, Operator's Manual, Spare "O" ring Gasket and Serial Data Cable. (Power: 550 W, 50 W at Preheat Temperature, Dimensions: 760x460x762 mm, Weight Approx.: 200 kg) To recover the Sample after PAV Test and to make it fit for Tests like Penetration, Softening Point etc 81-PV0260/1 i.e**. Vacuum Degassing Oven**. 230 V, 50-60 Hz, 1 ph, Along With **Compressed Air Source** with Minimum 6.25 bar, 50 liters/min (Overall dimensions 610x406x304 mm and Weight approx. 85 k g) With All Required Accessories like pressure vessel, Balance, ovens, pressure-controlling devices,	1	

		temperature-controlling devices, pressure and temperature measuring devices, and a temperature and pressure recording system etc. as per ASTM Code D6521 - 13. Complete Integrated System with All Required Accessories Including Training of Staff in NIT Lab		
13	Integrated Testing Equipment for Determination of Performance Characteristics of Asphalt Mixture	(i) Asphalt Mixture Performance Tester (AMPT) for Dynamic Modulus, Flow Number, Flow Time etc (NCHRP developed equipment) (ii) Universal Testing Machine (14KN Pneumatic) having Integrated Multi-Axis Control System (IMACS) Digital Controller, UTS Software with Test Modulus for International and Local Standards, Capable of Working for Wide Range of Paving Material, Environmental Chamber, Complete with all required accessories (Beam (Flexural) Fatigue/ Creep/ Stiffening Modulus etc Tester Equipment for Asphalt Pavements with Environmental chamber, Computer Control etc Complete with all Accessories) (iii) Steel Roller Compactor (EN 12667-33), Samples of Different (Controllable) Dimensions Compacted by Electronically Controlled Mould and Roller Segment and also with Controlled Heating Devices (iv) Bitumen Mixture Mixer, Mixing Capacity 20 L, Temperature of the Oil Bath 0-200 ^{o}C. Temperature Control Accuracy +- 0.5 ^{o}C, Rotation Speed 75 RPM, Electro-Controlled Digital Device, Up and Down Limit Device (v) Different Jigs for; - Fatigue Life of Compacted HMA Subjected to Repeated Flexural Bending. Fatigue Life and Energy for 380mm long x 50mm thick x 63mm wide Beam Specimens of Laboratory or Field Compacted HMA, Subjected to Repeated Flexure Bending Until Failure can be Obtained - Indirect Tensile Strength of (EN 12697-26:2004 and ASTM D6931-2007) Can determine the Dynamic and Static Creep Characteristics of Bituminous Mixtures by means of an Uniaxial Cyclic Compression Test and Creep	1	

		Characteristics of Bituminous Mixtures by Means of the Triaxial Cyclic Compression Test Complete Integrated System with All Required Accessories Including sample (cylindrical and beam shape) making/casting equipment like sample cutting and core drilling machines and training of Staff in NIT Lab		
14	Accelerated Aggregate Polishing Machine for Polished Stone Value	Accelerated Aggregate Polishing Machine for determining polished stone value, consisting of a road wheel, rubber tyred wheel fitted with lever system (for load), electrically operated vibrating hopper, water reservoir and seven moulds. Dimensions 550mm x 630mm x 1600mm (bottle fitted), 400W Rated Power, 15-325 rpm Road Wheel, Rubber Wheel Dia 200mm x 44mm, 69IRHD±31RHD, Applied Load on Specimens is 715 to 735 N, Appropriate Feed Rates Com, Flour Emery, Power AC 380V 50 HZ, 3 Phase Complete System with All Required Accessories	1	
15	Portable Skid Resistance (friction) Tester	Portable Skid Resistance Tester, Pendulum Type (EN1097-8, EN1341, 1342, 1343), 630mm x 670mm x 190mm, weight approx 19.7kg, Rubber Slider Dimensions 0~1000kpa adjustable, Hardness BS ISO 48:2010 0-50r/min adjustable, Temperature 0, 10, 20, 30, 40 degree centigrade, Resilence% 44-49, 58-65, 66-73, 71-77, 74-79, Skid Box Dimensions 720mm x 720mm x 280mm, weight Approx 18 kg, Provided with 3 pcs of 55HRC Rubber Slider and 3 pcs of 96HRC Rubber Slider with mechanism for leveling, test specimen holder etc., Complete System with All Required Accessories	1	
16	Brookfield Viscometer	Brookfield Viscometer for Asphalt Binder, Capable of Determining the Viscosity of Asphalt/Bitumen Binders and Oils of At Least the Absolute Viscosity Range of 800 to 4800 Poises at 60°C and Kinematic Viscosity Range of 250 to 400+ cSt at 135°C, with thermo-cell (if required), Complete System with All Required Accessories	1	

(Tender opening format)

Name of the firm:-_____

Tender for supply of _____

NIT No. & Date:- _____

Technical specification/ literature attached:-	Yes/No
Valid tax clearance certificate attached:-	Yes/ No
Registration/ Authorization Dealership/ manufacturer certificate attached:-	Yes/ No
Revenue stamp affixed.	Yes/ No
Rates covered with transparent tape:-	Yes/ No
Bid document fee deposited:-	Yes/ No
Call Deposit Receipt enclosed:-	Yes/ No.
Bid price in Indian Rupees:-	Yes/ No
FOR Srinagar:-	Yes/ No
Bid without correction/overwriting:-	Yes/ No

Seal & Signature of the Supplier.

Annexure-B
BID FORM
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From M/S……

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To,

Chairman,
Central Purchase unit, NIT Srinagar.

Ref: NIT No.: NITS/CPU/ /2016-17 Dated:.....goods/Equipment for ……Department

Sir,

With reference to above invitation for bids we would like to say that we have gone through your bid document thoroughly and hence offer our competitive Technical/Price Bid in sealed envelope for the supply of various goods/equipment listed in your document.

The following documents constitute our Bid.

(a) Bid form
(b) Price Bid schedule in the requisite format
(c) Authorization dealer ship certificate from the manufacturer
(d) Valid sales tax certificate
(e) Technical literature for the goods/equipment
(f) Names of organization where this equipment has been supplied. (Applicable for equipment whose unit price exceeds Rs.2.00 lacks
(g) Bid security as mentioned in the schedule of requirements in the form of CDR drawn in favour of the Chairman Central Purchase Unit NIT Srinagar.
(h) Telephone No…….

Kindly feel free for any enquiries and clarifications.

Yours Sincerely

(……..)
From M/S……..

……..

Place…….

Date……

Annexure-C

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Technical specification.

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Name of Equipment /Goods : e.g., Tribometer

Make /Model/ Country of origin: e.g., Marus Tribometers and Instruments/ TR20-2013/ ……...

S. No.	Technical Specifications (as per. NIT/CPU/16/ aaaa-aaaa Advertised)	Technical Specifications of the Make /Model	Complies	Higher/Better (with detail quantification)	
				Higher/Better	Quantification
1			Yes	----	
2				Higher	
3					

Annexure-D

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Price Schedule

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S. No	Name of equipment/goods	Ex Factory/Ex show room cost	Custom Duty & Excise Duty	CST/VAT	Packing & forwarding transportation	Incidental services	Total unit price	Quantity	Total Price