



**Central Purchase unit**  
**National Institute of Technology Srinagar (J&K) -190006**

Email: cpu@nitsri.ac.in

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**Document for Tender No. 36 Dated 02.01.2019**

**"Tender Notice for Invitation of bids for supply of Lab equipments for Transportation lab of Civil Engg.Department"**

**-0-0-0-**

1. Sealed Bids are invited for supply of various equipment having detailed Specifications as given in Annexure –I, in a 2- bid format on the terms & conditions and as per the instructions given below from para-2, from interested eligible bidders:
- 2. Techno-Commercial Bid, Containing the following documents in Envelope- A:-**
  - (a) Proof of being Original equipment manufacturer or Distributor/Marketing agent/ Authorized dealer in the shape of copy of agreement and registration under law in force.
  - (b) *The OEM (Original Equipment Manufacturer) of offered product should be ISO 9001:2015 and ISO 14001:2015 certified or certified by any other national or international regulatory body. The products quoted must also be certified.*
  - (c) PAN card & Tax registration document of the firm.
  - (d) ITR's of previous 3-years.
  - (e) *Proof of annual turnover of the firm for last three years in such trade, which shall not be less than Rs.50.00 lacs., with at-least one such contract worth not less than Rs. 20.00 lacs or two such contracts worth Rs. 30.00 Lacs to reputed Institutes/ organizations/ Departments during last three years.*
  - (f) Proof of availability of after-sale support & service centre at Srinagar.
  - (g) Bid security for Rs. 0.50 lacs in the form of CDR/BD/DD/TDR/FDR pledged to Officer In-charge, Central Purchase Unit NIT Srinagar (J&K) and tender document fee Rs.1,000/- in the form of DD, favoring of Director, NIT Srinagar. Tender without bid security /document fee shall be rejected.
  - (h) Bid form in the format given in Annexure-II duly filled.
  - (i) List of organizations/ Institutions where such equipment has been supplied & installed successfully during last 3-years.
- 3. Price Bid Containing the following in Envelope-B:-**
  - (a) Prices offered and quoted both in words & figures. Prices must be offered /quoted in the format enclosed as Annexure-III in INR only. The rates quoted should be covered with transparent tape.
  - (b) The rate quoted should be FOR NIT Srinagar (J&K).
  - (c) 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 will prevail. Bid price should be firm for the bid validity period.
  - (d) All duties, taxes and levies ( GST or other charges) payable, must be quoted separately. GST as applicable to Educational & Research Institutes shall be charged. Any document required for this purpose from us must be mentioned in the offer which shall be provided along-with the Supply order.
  - (e) As per SRO 129 of Government of Jammu & Kashmir, the institute is Exempted from State entry tax. The Institute will provide Entry tax exemption certificate to successful bidder with supply order. The

**4. Validity of Bids**

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

## **5. Evaluation of Bids.**

(a) The purchaser shall first evaluate and compare the technical bids as per following criteria to determine the techno-commercially qualified bidders:

- (i) Properly filled and signed as per given formats
- (ii) Conform to terms and conditions and technical specifications.
- (iii) Are accompanied with Bid security and all other documents

(b) *In the 2<sup>nd</sup> step, the financial bids of only those bidders who qualify from the above process will be evaluated to determine the final successful bidder.*

*If required samples can be asked from the technically and commercially qualified bidders for approval by an expert committee framed by NIT Srinagar authorities. The samples shall have to be delivered at the Institute premises by the bidders within 10 days of the date of intimation by NIT Srinagar through email in this regard. Those failing to submit samples will not be considered for financial evaluation.*

## **6. Award of contract.**

(a) Contract shall be awarded to the bidder whose bid is commercially-technically qualified and is offered at lowest reasonable evaluated price.

(b) Successful bidder shall be notified about the award of the contract through a supply order where- in terms and conditions of supply shall be incorporated.

## **7. Payment & Performance Guarantee:**

100% (90% + 10%) payment shall be made after successful receipt of goods in good condition and accepted as per prescribed specifications by the nominated committee and after successful installation & commissioning. 10% will however be retained as security deposit against performance guarantee for the warranty period.

## **8. Warranty and after sale service:**

(a) All items shall carry comprehensive standard warranty of 02 years from the date of installation & commissioning as well as service support after expiry of warranty.

## **9. Settlement of disputes.**

Settlement of disputes if any shall be subject to the jurisdiction of Srinagar Courts only.

## **11. 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 within the specified period, a penalty of 0.50% (half percent) of the price value of the item per week or part thereof shall be imposed. The maximum penalty shall be limited to 10% of the cost. Once maximum is reached, NIT Srinagar shall proceed on its own to consider the termination of the supply order, on the risk & responsibility of the defaulting bidder.

## **12. Submission of Bids.**

(a) **The last date for submission of bids is 23.01.2019 up-to 4.00PM.**

(b) Bids should be properly sealed.

(c) The two envelopes A & B should be separately sealed and superscripted as Techno-Commercial Bid & Price Bid. On Each envelope the due date of submission, Name of equipment/item/department; tender number and name of bidder should also be written .

These two sealed envelopes should be sealed in a bigger Envelope with the address of the Tender receiving Officer; Tender Number; due date of submission, Name of equipment/item/department and name of bidder.

(d) Bids should be addressed to Officer In-charge, Central Purchase Unit NIT Srinagar (J&K)

(e) Bids not from Srinagar shall be dispatched sufficiently well in advance so as to reach the destination as per scheduled time & date. NIT Srinagar shall not be responsible for any delay caused by Post or Courier agency.

**13. Bid opening.**

(a) The Technical Bid (Envelope- A) will be opened first on 24.01.2019 at 2.30 pm in the office room of the undersigned in the administrative block of the Institute.

Price Bid (Envelope-B) of the qualified bidders as detailed above will be opened subsequently. Interested bidders can attend the Bid opening.

**14.** Notwithstanding above, the purchaser reserves the right to reject any or all the bids received in response to this N.I.T. or withdraw it without assigning any reasons thereof.

**15.** For any future information or corrigendum or addendum regarding this tender, please be in touch with our website: [www.nitsri.ac.in](http://www.nitsri.ac.in).

**16.** any clarification may sought on the following emails:

- Lab In-Charge: shafi@nitsri.net
- Central purchase Unit: cpu@nitsri.ac.in

Officer In-charge  
Central Purchase unit, NIT Srinagar  
Email: cpu@nitsri.ac.in

N.B.

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 well in advance so that these are received in time.

**No. NIT/CPU/18/ 4574**

**Dated 02.01.2019**

## Annexure-I

### “Name &/Specifications of equipments ”

S. No.	Description of the item	Specification/	Quantity
1	<p><b>Sound Level Meter</b> For measurement of real time traffic noise</p>	<p>Equipment and accessory: Integrating sound level meter with 1:1 &amp; 1:3 octaves, tonal detection and audio recording. It also includes, Class 1 acoustic calibrator, carrying case, Wind Shield, User Manual. Applicable Standards, IEC 61672-1:2002 class-1; IEC 60651:2001 type 1. Frequency weightings: RMS &amp; PEAK: A, C &amp; Z measured simultaneously. Time weightings: Fast, Slow &amp; Impulse measured simultaneously. Software support: for download, configuration &amp; analysis compatible with windows XP, Vista, 7&amp;8. Including all required accessories Complete.</p> <p><b>Applicable standards:</b> IEC 61672-1:2002 Class 1 or Class 2 Group X IEC 60651:2001 Type 1 I or Type 2 I IEC 60804:2000 Type 1 or Type 2 IEC 61252:1993 Personal Sound Exposure Meters ANSI S1.4 -1983 (R2006), ANSI S1.43 - 1997 (R2007) ANSI S1.25:1991 1:1 &amp; 1:3 Octave Band Filters to IEC 61260 &amp; ANSI S1.11-2004</p> <p><b>Microphone</b> Class 1 Instruments, pre-polarized</p> <p><b>Frequency Weightings</b> RMS &amp; Peak : A, C, &amp; Z Measured Simultaneously 1:1 Octave Bands: 31.5Hz to 16kHz 1:3 Octave Bands: 6.3Hz to 20kHz (Bands from 12.5Hz displayed, 6.3Hz, 8Hz &amp; 10Hz stored &amp; downloaded) - B &amp; C variants Additional Metrics: LAeq L<sub>F</sub> (20Hz to 200Hz) &amp; L<sub>eq</sub> L<sub>F</sub> (20Hz to 200Hz)</p> <p><b>Display</b> High resolution OLED display. Ambient light sensor &amp; illuminated keypad</p> <p><b>Ln Statistical Values</b> 14 independent statistical Ln values calculated from 1/16th L<sub>AF</sub> 7 preset to L<sub>1.0</sub>, L<sub>5.0</sub>, L<sub>10.0</sub>, L<sub>50.0</sub>, L<sub>90.0</sub>, L<sub>95.0</sub> &amp; L<sub>99.0</sub> 7 user defined Ln values</p> <p><b>Measurement Control</b> Measurement control with user selectable duration of manual, 1 min, 5 min, 10 min, 15 min, 30 mins, 1 hour, Lden Automatic Synchronization &amp; Repeat</p>	2

		<p>Pause Back Erase with user selectable duration</p> <p><b>Measurement functions</b>  <math>L_{XY}</math>, <math>L_{XYMax}</math>, <math>L_{XYMin}</math> <math>L_{Xeq}</math>, <math>L_{CPeak}</math>, <math>L_{ZPeak}</math>, <math>L_{APeak}</math> <math>L_{Ceq}</math>-  <math>L_{Aeq}</math>, <math>L_{XE}</math>, <math>L_{Aeq}</math>  Graph of Short <math>L_{Aeq}</math>, <math>L_{CPeak}</math>  Measurement Run Time Integrators 2 &amp; 3: TWA,  Dose %, Est. Dose %  Real-Time 1:1 Octave Bands (Graphical &amp; Numeric)  Real-Time 1:3 Octave Bands (Graphical &amp; Numeric)  Noise Detection in 1:3 Octave Bands  NR &amp; NC values &amp; curves  <math>L_{eq}</math> <math>L_F</math> (20Hz to 200Hz) Up to 28 Statistical Ln%  Values</p> <p><b>Stored Functions</b>  <math>L_{XYMax}</math> &amp; Time History of <math>L_{XYMax}</math>  <math>L_{Aeq}</math>, <math>L_{Ceq}</math>, <math>L_{Zeq}</math>, <math>L_{CPeak}</math>, <math>L_{ZPeak}</math>, <math>L_{APeak}</math>, <math>L_{Aeq}</math>  Time History of <math>L_{Aeq}</math>, <math>L_{Ceq}</math>, <math>L_{Zeq}</math>, <math>L_{CPeak}</math>, <math>L_{ZPeak}</math>, <math>L_{APeak}</math>,  <math>L_{Aeq}</math> Integrators 2 &amp; 3: <math>L_{AVG}</math> , TWA. % Dose  Time History of <math>L_{AVG}</math>  1:1 &amp; 1:3 Octave Bands: Overall <math>L_{eq}</math> &amp; <math>L_{eq}</math> Time  History for each band  Noise Detection in 1:3 Octave Bands  NR &amp; NC values &amp; curves  <math>L_n</math> Values: 28 independent statistical values Audio  recording during measurement Time, date &amp; duration  of measurement where x=A ,C ,Z; y= F, S, I  <b>Software support</b> for noise measurement analysis  to be supplied. printer with battery backup and  complete.</p> <p>Set up Including all required accessories Complete.</p>	
2	<p><b>Noise Dosimeter</b>  For measurement of  all the parameters  needed to assess the  noise exposures</p>	<p>Noise Dosimeter for measuring noise exposure  Equipment and Measurement Kit  Noise-Dosimeter. Measurement kit includes a Class 2  Acoustic Calibrator. Downloading software, Carrying  Case or Cases, Charging Dock or Docks to match the  number of instruments, Mains Power Supply, User  Manuals, and Certificates of Calibration &amp;  Miscellaneous Accessories, Complete</p> <p><b>Standards</b>  IEC 61252:1993 +AMDI:2000 Personal Sound  Exposure meters  IEC 61252 Ed 1.1(2002-03) Personal Sound Exposure  meters  ANSI S1.25:1991 (R2017) Personal Noise  Dosimeters  IEC 61260-1:2014 Class 2 (Octave Bands from 63Hz  to 8kHz)</p>	2

		<p>ANSI S1.11-2014 Class 2 (Octave Bands from 63Hz to 8kHz)</p> <p><b>Measurement range</b>  RMS Range -60dB(A) to 140dB(A)  PEAK Range – 80 dB© to 143 dB(C)  Octave Bands- 70dB(A) to 140dB(A)</p> <p><b>Measurement Functions</b>  4 simultaneous integrator channels  2 simultaneous independent peak channels  1:1 octave bands(63 Hz to 8kHz)</p> <p><b>Peak channel options</b>  Frequency Weightings- A, C or Z (2 channels)</p> <p><b>Data logging</b>  1 second or 1 minute data logging (user selectable)</p> <p><b>Memory</b>  Up to 80 hours of time history for each channel including 1:1 octave band  Up to 40 individual measurements  Maximum duration of any single measurement: 24 hours</p> <p><b>Overall integrator parameters</b>  Average integrated sound levels (<math>L_{eq}</math>, <math>L_{avg}</math>)  Time weighted average  Sound exposure and estimated sound exposure, %dose &amp; estimated % dose, ULT duration  SPL max level &amp; time, SPL Min Level</p> <p><b>Connectivity</b>  Bluetooth wireless communication</p>	
3	<p><b>Vehicle Emission Measurement Meter</b>  For measurement of vehicle emissions under different traffic situations</p>	<p>I3 SYS Four Gas Analyzer. Used for the measurement of vehicle exhaust parameters like carbon monoxide, nitrogen oxides, carbon dioxide, hydrocarbons etc.</p> <p><b>Software support</b>  To be provided along with equipment for data analysis</p>	1

**Annexure-II**  
**BID FORM**  
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To,  
Officer In-charge,  
Central Purchase unit,  
NIT Srinagar.

Ref: Tender No. \_\_\_\_\_ issued under No.: NITS/CPU/ 2018/.....  
Dated..... for-----  
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:

- Technical specification/ literature attached:- Yes/No
- Valid tax clearance certificate attached:- Yes/ No
- OEM/ Authorized Dealership / 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
- Price Bid schedule in the requisite format
- List of organization where this equipment has been supplied/Installed

Kindly feel free for any enquiries and clarifications.

Yours Sincerely

From M/S.....

Place:

Telephone No.....Email:

Date.....

**Annexure-III**

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**Price Schedule**

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<b>S. No</b>	<b>Name of equipment/ Goods /item</b>	<b>Basic cost</b>	<b>GST</b>	<b>Any other tax</b>	<b>Total unit price</b>	<b>Quantity</b>	<b>Total Price</b>
1							
2							
3							
4							
5							



