



क्रमांक: आईसीएमआर-निरेह/PUR/2019-20/SPR/97/625

दिनांक: 25.07.2019

Subject: Procurement of equipments on proprietary basis – Inviting comments thereon.

1. ICMR-NIREH intends to procure the following equipments from M/s. TechnoValue Solution Private Limited on proprietary basis:

- (a) Portable Environmental Monitor: for Dust/ Aerosol
- (b) Portable Environmental Monitor: for Multigas

2. The Notice is issued for general information of Aspirant Manufacturer/ Dealer/ Distributor to submit their objections/ proposal, if any, on proprietorship of these items in terms of Rule 166 (i) of GFR, 2017.

3. In case, the product of any other Manufacturer/ Authorized distributor/ dealer conforms to the enclosed specifications, they may submit their proposal for the supply of same equipments along with the following:- (a) Equipment brochure (b) Point-by-point compliance of the enclosed specifications, along with all relevant documentary evidence.

4. The objection/ proposal should be sent in sealed cover to The Director, ICMR-NIREH, Kamla Nehru Hospital Building, Bhopal-462001 or po.nireh@gmail.com so as to reach on or before 09.08.2019 up to 11:00 Hrs., failing which it will be presumed that no any other vendor is interested to offer comments/ objection and case will be decided accordingly on its merit.

5. The reference number: NIREH/BPL/PUR/2019-20/SPR/97/625 due on: 09.08.2019 should be super scribed on sealed envelope while submitting the response, if any.

Incharge Purchase
for Director

Encl:

1. Authorization Certificate from OEM
2. PAC Certificates
3. Schedule of requirement



TSI INCORPORATED

500 Cardigan Road Shoreview, MN 55126 USA
tel 651 490 2811 + toll free 800 874 2811 + fax 651 490 3824 + web www.tsi.com

01st April, 2019

Manufacturer's Authorization

TSI Incorporated, an established and reputed manufacturer of scientific and precision measuring Instruments, headquartered at 500 Cardigan Road, Shoreview, MN 55126, USA, hereby authorizes

TechnoValue Solutions Pvt. Ltd
doing business at
65-A, Panchvati Plaza, Sector-05,
Ghansoli, Navi Mumbai-400701 (India)

as its authorized distributor in India for TSI's Test & Measurement and Health & Safety range of products that include:

01. Ventilation Test Equipment
02. Air Quality Instruments
03. Health & Safety Equipment
04. Aerosol Dust Monitoring Instruments
05. Respirator Fit Test Instruments

They are duly authorized by us to quote, negotiate and execute orders on our behalf in accordance with our terms and conditions of business. We hereby extend our full guarantee & warranty for the goods offered for supply by the above firm and TechnoValue Solutions Pvt. Ltd. is responsible for the promotion, training, selling, after-sales services and distribution of the products mentioned above.

This authorization is valid till March 31st, 2020.

Sincerely,
For TSI Incorporated

A handwritten signature in green ink, appearing to read 'Sanjeev', with a horizontal line underneath.

Sanjeev Kumar
Sanjeev.kumar@tsi.com



23/07/2019

Proprietary Article Certificate (PAC)

Note: Proprietary Article Certificate in the following form is to be provided by the OEM/ authorized dealers/ Stockiest of OEM) before procuring the goods from a single source under the provision of sub Rule 166 (i) and 166 (iii) as applicable.

- (i) The indented goods are manufactured by M/s TSI Inc.
- (ii) No other make or model is acceptable by the Institute/ Center ICMR NIREH Bhopal for the following reasons:
 - (1) Concentration Range : 0.001 to 150 mg/m³
 - (2) Real time PM₁₀, PM_{2.5}, PM₄ and PM₁ monitor with Removable 37 mm cartridge for gravimetric and further chemical analysis.
 - (3) STEL alarm set point for tracking 15-minute average Mass concentration
 - (4) Gravimetric reference sampling capability for custom reference calibrations
 - (5) DustTrak DRX monitors are 90 degree light scattering laser photometers that simultaneously measure five size segregated mass fraction concentrations (TSP, PM₁₀, PM_{2.5}, PM₄ and PM₁) at once—something no other monitor can do.
 - (6) Sheath air system that isolates the aerosol in the optics chamber to keep the optics clean for improved reliability and low maintenance.
- (iii) Concurrence of finance wing of the OEM/ authorized dealers/ Stockiest of OEM to the proposal vide:
- (iv) Approval of the competent authority of the OEM/ authorized dealers/ Stockiest of OEM

(Signature with date and designation OEM/ authorized dealers/ Stockiest of OEM)

Sanjeev

Sanjeev Kumar
Regional Sales Manager –
India Sanjeev.kumar@tsi.com
+91-9810760232



GrayWolf Sensing Solutions

To

**The Director
ICMR-National Institute for Research in Environmental Health
Kamla Nehru Hospital Building
Bhopal - 462 001 (Madhya Pradesh)**

Dear Sir,

Equipment Name : Portable Environmental Monitor

We **GrayWolf Sensing Solutions** are original manufacturers of above equipment having registered office and factory located at 6 Research Drive, Shelton, CT 06484 USA and Annacotty Industrial Park, 1C, Annacotty, Co. Limerick, IRELAND, www.graywolfsensing.com do hereby authorize M/s. **TechnoValue Solution Private Limited** (65-A, Panchavati Plaza, Sector-5, Ghansoli, Navi Mumbai-400701) to submit tenders, and subsequently negotiate and sign the contract with you against any tender.

No company or firm or individual other than M/s. **TechnoValue Solution Private Limited** are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

We also hereby undertake to provide full guarantee/warranty /Annual Maintenance Contract/ spare parts as agreed by the bidder in the event the bidder is changed as the dealers or the bidder fails to provide satisfactory after sales and service during such period of Comprehensive Warranty / Annual Maintenance Contract and to supply all the spares/ accessories / consumables etc. during the said period.

We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipment tendered within the stipulated time

Laura J. Davenport
Export Sales Manager
LauraD@graywolfsensing.com

Date: 23/07/2019
Place: USA

GrayWolf Sensing Solutions

6 Research Drive, Shelton, CT 06484 USA Telephone (203) 402-0477 Fax (203) 402-0478

Proprietary Article Certificate (PAC)

Note: Proprietary Article Certificate in the following form is to be provided by the OEM/ authorized dealers/ Stockiest of OEM) before procuring the goods from a single source under the provision of sub Rule 166 (i) and 166 (iii) as applicable.

- (i) The indented goods are manufactured by M/s GrayWolf Sensing Solutions.
- (ii) No other make or model is acceptable by the Institute/ Center ICMR- National institute of research in environmental health for the following reasons:
 - (1) DSII-8 supports up to (8) plug and play smart sensors per rechargeable probe and DSII-5 supports up to (5) plug and play smart sensors per rechargeable probe, which can communicate to Windows OS-based PCs or GrayWolf's AdvancedSense meters, and via cable or wirelessly via built-in Bluetooth.
 - (2) Up to 4 probes can be interfaced to platforms like tabs and laptop simultaneously.
 - (3) 25+ available plug and play sensors to choose from.
- (iii) Concurrence of finance wing of the OEM/ authorized dealers/ Stockiest of OEM to the proposal vide:
- (iv) Approval of the competent authority of the OEM/ authorized dealers/ Stockiest of OEM



Laura J. Davenport
Export Sales Manager
LauraD@graywolfsensing.com

Date: 23/07/2019
Place: USA

SCHEDULE OF REQUIREMENT

(a) Environmental monitoring system: For dust/ Aerosol (Qty Req: 01):

S. No.	Specification	Description
1.	System descriptions	Ambient air/Indoor air/Aerosol real time monitor capable of monitoring/analyzing ambient air concentration of Total PM, PM1, PM2.5, PM4, PM10 and TSP
2	Sensor type	Light scattering photometer
3.	Particle Size Range	0.5 to 15 micrometer or better
4.	Total Particle counting efficiency	≈100 % for particles ≥ 1 micrometer
5.	Aerosol concentration range	1 µg/m ³ to 150 mg/m ³ or better
6.	Measurement resolution	±0.1% of readings
7.	Flow Rate	1.5 to 3 L/min or Higher
8.	Operating temperature	0 to 50 Degree Celsius
9.	Operating Humidity	0 to 95 % non-condensing
10.	Time Constant	1 to 60 Seconds, should be adjustable
11.	Input/ Output	Should have USB type-A and/or Type-B ports for data transfer. Data should be downloadable in MS-Excel Format. Optional LAN Port.
12.	Power	AC Power adapter with universal line cord.
13.	Other Features	System should have the capacity to store at least 50,000-1,00,000 data points or at least 30 days data at 1minute logging interval.
		Should be supplied with a Windows 10 compatible software
		Gravimetric sampling capability using a 37-mm filter cassette which can be inserted in-line with the aerosol stream allowing to perform an integral gravimetric analysis for custom reference Calibrations.
		Manual and programmable data logging options
		Onsite training to users must be provided
		Should be CE/ISO or Indian equivalent standard certified

(b) Portable Environmental Monitor: for Multigas (Qty Req: 01):

S. No.	Specification	Description
1.	System descriptions	Portable Analyzer to simultaneously monitor air concentration of common air pollutants viz. O ₃ , SO ₂ , NO, NO ₂ , O ₂ , CO, H ₂ S, TVOC, NH ₃ , CO ₂ etc.
2.	Range of measurement and sensor type	O ₃ : 0.00 to 1.0 PPM (Electrochemical) NO: 0 to 250 PPM (Electrochemical) H ₂ S: 0 to 200 PPM (Electrochemical) NO ₂ : 0 to 20 PPM (Electrochemical) CO: 0 to 200 PPM (Electrochemical) SO ₂ : 0 to 50 PPM (Electrochemical) O ₂ : 0 to 25 % (Electrochemical) TVOC: 0 to 10,000 PPM (PID) NH ₃ : 0 to 100 PPM (Electrochemical) CO ₂ : 0 to 10,000 PPM (NDIR)
3.	Measurement Resolution	O ₃ : 0.01PPM, NO: 0.1 PPM, H ₂ S: 0.1 PPM, NO ₂ : 0.01 PPM CO: 0.1 PPM, SO ₂ : 0.01 PPM, O ₂ : 0.1%, TVOC: 0.1 PPM, NH ₃ : 0.1 PPM, CO ₂ : ≤1 PPM
4.	Temperature range	-10°C to 50 °C
5.	Power	Rechargeable battery with 16 hours or more operation
6.	Operating Humidity Range	15% to 90% Relative Humidity, Non condensing
7.	Input/ Output interface	Standard USB-A socket and Bluetooth 4.0 option available for interfacing.
8.	Other features	1. Alternatively mount on included mini-tripod. 2. Sensors should be plug-and-play, easily swapped by the user. Calibration and other info is stored on each sensor. 3. The system should be supplied with the software compatible to windows OS. 4. Facility for further expansion of additional gas sensors should be there.

Note: Please don't quote the prices of the above schedule requirement, just forward related documents/ brochures etc and availability of items.