



**CSIR - NATIONAL PHYSICAL LABORATORY**  
सी.एस.आई.आर. राष्ट्रीय भौतिक प्रयोगशाला  
**Dr. K. S. Krishnan Marg, New Delhi-110 012**  
डा. के एस. कृष्णन मार्ग, नई दिल्ली - ११००१२

Contact:011-4560-8645/8219  
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निविदा सं./Tender No.:	<b>14-VIII/SGA(25-PAC)24PB/T-213</b>	तिथि/Date:	27.01.2025
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From: Director

To,

M/s. TSI Incorporated,  
Address: 500 Cardigan Road,  
Shoreview, MN 55126

United States

Dear Sir/Madam,

Quotation is invited on the behalf of the Director, CSIR-NPL for the procurement of item mentioned below. **The bid must be submitted ONLINE in case of Indian supplier at CPPP Portal & OFFLINE in case of Foreigner Supplier through email/hard copy by post.** as per dates/times mentioned on the CPPP Portal/Email..

Sr. No.	Description of Material	Qty.
1.	<p><b>Aerosol Particle Spectrometer with Counter</b> <b>(Please see detailed specifications as per Annexure-IV).</b></p> <p><b>Pre-Bid Conference (PBC date 04-02-2025 ), Time: 11.15AM ONWARDS) ONLINE</b></p> <p>The objective of PBC is to provide a platform for clarifying issues and clearing doubts, if any, about the specification and other allied technical / commercial details of the bid document. This is also an opportunity to question the bidding conditions and the bidding process. You can bring to our notice any restrictive term, condition, inconsistent/conflicting clauses/terms/information or item specification in this tender document so that required changes can be made.</p> <p>Please inform your intention to participate by sending mail at : <a href="mailto:aggarwalsg@nplindia.res.in">aggarwalsg@nplindia.res.in</a> along with CC at: <a href="mailto:purchase-so1@nplindia.org">purchase-so1@nplindia.org</a> and also send your queries before the date of PBC to help us keep the response ready. Firms must be present at the appointed hours on the day of PBC.</p>	01

**Note:**

- The prices of quotation should be up to NPL including freight & insurance charges, GST may be mentioned separately. In addition no additional payment will be made except from its quoted price.**
- Please submit price with breakup for each item(s) at Annexure I.**
- A price reasonability certificate may be submitted stating that you will not sell the quoted item to any other organization less than the quoted prices to NPL (as per Annexure-II on Letter Head of Bidder).**
- The rate of GST/taxes to be charged should be clearly mentioned in your quotation, if applicable.**
- Payment terms acceptable would be 100% through RTGS/NEFT/Wire Transfer after receipt of material and its satisfactory installation/commissioning of equipment (if applicable).**
- Kindly submit Multi Form –Annexure-III along with your quotation.**
- A certificate may be given by manufacturer that they are the sole Manufacturer of the related ITEM and have quoted the best minimum prices.
- Certificate is also required from the Principal/OEM that the item/similar item has not been supplied to any CSIR Laboratories/Institutes at lower rate that are offered to CSIR-NPL
- Kindly provide recent order copies of offered item(s) of previous Purchase Orders to any CSIR/ Govt. organization.**

Yours Faithfully,

Sr. Controller of Stores & Purchase

## **TERMS & CONDITIONS**

1. **PRICES:** Shall be quoted in Multi Currency including INR  
**For goods manufactured abroad:**
  - (i) The price of the goods/services/calibration must be quoted on Ex-works/ DDP including taxes, as specified in the Schedule of Requirement form.
  - (ii) The installation, commissioning and training charges including any incidental services, if any.
  
2. **VALIDITY OF OFFER:**  
**The Prices must be valid at least for a period of 90 days from the date of QUOTATION.** No changes in prices will be acceptable in any condition after opening of tender till the validity of the offer or execution of the order whichever is later.
  
3. **REASONABILITY OF PRICES**
  - (a) Please quote best minimum prices applicable for a premiere Research Institution, **leaving no scope for any further negotiations on prices.**
  - (b) **The quoting party should give a certificate to the effect that** the quoted prices are the minimum and they have not quoted the same item on lesser rates than those being offered to NPL to any other customer nor they will do so till the validity of offer or execution of the purchase order, whichever is later.
  - (c) Copies of **LATEST SUPPLY/SERVICE ORDERS** received from other customers along with details of such supply orders preferably in India for the same item/model **may be submitted with the offer** giving reasons of price difference of their supply order & those quoted to us, if any.
  
4. **PERIOD & MODE OF DELIVERY:** **The delivery period is the essence of supply; hence** it must be indicated specifically in the quotation, period of calibration, delivery/completion time.
  
5. **PAYMENT CONDITION:**  
  
The payment for imported goods shall be made **100% through wire transfer/Telegraphic Transfer** within 30 days after receipt of goods and satisfactory installation/Commission of instrument .
  
6. **ACCEPTANCE OR REJECTION OF OFFER:** The Director, NPL, New Delhi reserves the right to accept or reject any quotation /tender in part or full without assigning any reason thereof. The successful bidder should submit Order acceptance within 15 days from the date of issue.
  
7. **LD CLAUSE FOR LATE DELIVERY & LATE INSTALLATION:**  
As time is the essence of this requirement, liquidated damages shall be levied @ 0.5 % per week of the basic order value or part thereof for delayed execution of order/supply subject a maximum of 10% of basic order value after which the order shall be deemed cancelled. Please note that it will also affect the other/future business dealings with such suppliers.

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MANUFACTURER AUTHORIZATION FORM (MAF)Bidder has to get this filled from OEM / Manufacturer preferably on their Letterhead

To:

Director, CSIR – National Physical Laboratory,

New Delhi, INDIA

We, the undersigned who are official manufacturers / OEM / Indian Distributor or Reseller of the items / goods being quoted by the bidder and factories or offices as indicated below, do hereby authorize *the Bidder* to submit a bid the purpose of which is to provide the quoted goods, manufactured / distributed by us and to subsequently negotiate and sign the Contract if the bidder's offer is found responsive, eligible and acceptable as per tender conditions.

Name & Designation of the Signatory of This MAF	
Name & Address of the Manufacturer / OEM / Indian Distributor	
This Certificate is issued in favor of  (Name of the Bidding Firm)	

Official Seal &amp; Sign of authorized representative(s) of the

Manufacturer/ OEM / Indian Distributor

**(A) PRICE SCHEDULE FORM FOR GOODS BEING OFFERED FROM ABROAD/IMPORT PURCHASES**

Name of the Bidder \_\_\_\_\_

TENDER No. \_\_\_\_\_

1	2	3	4	5	6	7	8	9	10	11	12
Sl No	Item Description	Country of Origin	Unit	Qty	Unit price Indication and currency FOB, Port of shipment or FCA, Name place of delivery (Retain only one)	Total price (5x6) FOB (named port of shipment) or FCA (named place of delivery) (retain only one)	Charges for Insurance & transportation to port//place of destination	Total price CIF/CIP (retain only) (7+8)	Indian Agents Commission as a percent of FOB /FCA price included in the Quoted price	approx. Shipment weight and volume	Indian Customs tariff No and HSN code No. (ICT & HSN No.)

**Note:**

Currency \_\_\_\_\_

Total Bid price in foreign currency \_\_\_\_\_  
in words \_\_\_\_\_

(a) Indian agents name &amp; address \_\_\_\_\_

(b) Installation, commissioning &amp; training charges, if any \_\_\_\_\_

Signature of Bidder  
Name \_\_\_\_\_(a) Cost of Spares, if any \_\_\_\_\_ Business Address \_\_\_\_\_

(d) The Indian agent's commission shall be paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents in accordance with clause 22.1 of GCC.

(e) The cost of optional items shall be indicated separately.

**PRICE REASONABILITY CERTIFICATE**

*(On the Letter Head of the Bidder)*

This is to certify that the prices quoted Vide Quotation No. \_\_\_\_\_

dated: \_\_\_\_\_ against Tender No: \_\_\_\_\_ dated:  
for

( \_\_\_\_\_ name \_\_\_\_\_ of \_\_\_\_\_ item \_\_\_\_\_ ) \_\_\_\_\_ are best and minimum and  
we have not quoted the same on lesser rates than those being offered to CSIR-NPL to any customer  
nor we will do till the validity of offer or execution of Purchase Order.

Date:

Authorized Signatory

Name:

Designation:

**MULTI FORM**

**(Bid Form, Bidder Information, Border Declaration, Code of Integrity)**

To:

**The Director,  
CSIR – National Physical Laboratory,  
Dr. K. S. Krishnan Marg,  
New Delhi -11012, INDIA**

**We, the undersigned, declare that:**

- a) We have examined and have no reservations to the Bidding Documents. We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services. Prices and discounts, if any, are mentioned in the Price Bid.
- b) **Our bid shall be valid for the period of time specified in the bid document** and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- c) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed. We understand that you are not bound to accept the written standard terms and conditions of our offer and also the lowest evaluated bid or any other bid that you may receive.
- d) **Border Declaration:** We have read clause regarding restriction on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; **We certify that the bidder is not from such a country** or, if from a such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the competent Authority. A valid certificate issued by the Competent Authority has been attached with the bid. I hereby certify that this bidder fulfill all requirements in this regard and is eligible to be considered.(As per requirements under P-45021/112/2020-PP(BE-II)(E-43780) dated 24.08.2020 of Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade and any amendments thereon.)
- e) **Declaration for Code of Integrity & Conflict of Interest:** I/We hereby declare that we shall abide by the Code of Integrity for Public Procurement and have no conflict of interest. The details of any previous transgressions of the code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity are as under:
  - 1
  - 2
  - 3

Signature & Seal of Bidder / Authorized Signatory

Name of the Signatory

**DETAILED SPECIFICATION (Separately to be given item wise)**

**1. End Use :** For calibration work

**2. Detailed Specification:**

**Aerosol Particle Spectrometer with Counter**

- i. Particle type: ambient aerosol/dust/PSL/salt particles
- ii. Particle size range:  $\leq 0.5 \mu\text{m}$  to  $> 20 \mu\text{m}$
- iii. Particle channels:  $> 32$  channels in total
- iv. Particle concentration: 10,000 particles/ $\text{cm}^3$  without dilution
- v. Measurement technique: laser light scattering and time of flight. Results output should be independent of shape, size and composition. Particle size should be determined in aerodynamic sizing.
- vi. Sampling time: programmable, 1 sec to  $> 5$  hours
- vii. Sample flow rate: 1 lpm or more
- viii. Uncertainty (at  $k = 2$ ) in size measurement: better than  $0.1 \mu\text{m}$  (1%) for  $10 \mu\text{m}$  size particle
- ix. Power requirement: 220-240 VAC, 50 Hz (as per Indian standard)
- x. Operating temperature and RH (room/working condition): Temperature range =  $10 - 40^\circ\text{C}$ , Humidity range = and  $10 - 90\%$
- xi. Compatible counter: based on condensation particle counting with accessories, particle measurement range up to 100,000 particles/ $\text{cm}^3$ , size range down to 10 nm ( $D_{50}$ ), flow rate 0.3 liter and more
- xii. Diffusion dryer with fittings, conductive/rubber tubing should be supplied along with instrument.
- xiii. Digital mass flowmeter with differential pressure display should be supplied along with instrument
- xiv. Data acquisition system: fully software controlled (software CDs with license should be provided), latest compatible computer along with required software (MS office licensed) should be provided.
- xv. Manual: soft copy and hard copy (original).
- xvi. Warranty: two years from the date of commissioning.
- xvii. Certificate: calibration certificate with traceability (size, counts) with stated uncertainty
- xviii. Installation and training: installation should be done at NPL, on-site training should be provided by company engineers to at least 2 persons.

**3. Scope of Supply & Incidental Services:** yes

**4. Inspection & Test Required:** immediate after purchase

**5. Acceptance Test:** as per specification

**6. Qualification Criteria, if any:** as per specification