



सीएसआईआर - प्रगत पदार्थ तथा प्रक्रम अनुसंधान संस्थान



CSIR - ADVANCED MATERIALS & PROCESSES RESEARCH INSTITUTE

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

होशंगाबाद रोड, हबीबगंज नाका के पास, भोपाल – 462 026

HOSHANGABAD ROAD, NEAR HABIBGANJ NAKA, BHOPAL – 462 026

(दूरभाष क्र./Phone No.: 2488809, 2457609, 2457615 फ़ैक्स क्र./Fax No.:0091-0755- 2488355/2488985)

ई-मेल/E-mail: spo@ampri.res.in, वेबसाइट/Website: www.ampri.res.in

सन्दर्भ क्र./File No.: PUR/EQP/33/2021-22

दिनांक / Date: 07/01/2022

To,

M/s Techno'S Instruments

J-422, RIICO Industrial Area,

Sitapura, Jaipur -302022

E-tender ID: deepak.l@technos.in,

End Date and time for submission of Bid	24.01.2022 (11.am)
Date and time for opening of Bid	25.01.2022 (11.am)

INVITATION FOR BIDS

a. Director, CSIR-AMPRI, Bhopal, INDIA, invites quotation for **Procurements of “Component for Raman Spectrometer” through CPPP**

1. Bids must be submitted online through Central Public Procurement Portal.
2. The Director, AMPRI, Bhopal, reserves the right to accept any or all tenders either in part or in full or to split the order without assigning any reasons there for.
3. In the event of award of contract to the agency / Consultant following conditions shall be applicable.

4. Documents Comprising the Bid

The bid prepared by the Bidder shall include:

- a) Bidder Information Form
- b) Tender specific “Manufacturer’s Authorization form”(MAF)
- c) Price Schedule form
- d) Price Certificate
- e) Code of integrity
- f) Bid-Securing Declaration Form
- g) Performance Statement
- h) Technical Deviation form
- i) Service Support form

Please read the Terms & Conditions carefully before submitting the quotation in the enclosed format only

भंडार एवं क्रय अधिकारी /Stores & Purchase Officer

contd...

निबंधन एवं शर्तें / TERMS & CONDITIONS

1. Following should invariably be enclosed along with quotation:
 - (i) Valid GSTN
 - (ii) Company's PAN no.
 - (iii) Manufacturer Authorization Certificate.
2. The Bid will be rejected if :
 - (i) The Bid is unsigned and undated.
 - (ii) The Bid validity is shorter than the required period.
 - (iv) The tenderer has not agreed to some essential condition(s) incorporated in the tender enquiry.
3. GST: GST 05% extra as per Notification No. 45/2017, 47/2017 Integrated Tax (Rate) dated 14.11.2017 of Ministry of Finance, Department of Revenue, Government of India. AMPRI will provide GST Exemption Certificate on receipt of request from Supplier. CSIR-AMPRI, Bhopal is also exempted from payment of Excise Duty and Custom Duty for purchases made for scientific purposes (GSTN: 23AAATC2716R1ZN) .
3. The suppliers are required to furnish a certificate stating that the rates quoted are reasonable and standard and not higher than those charged to other Government Departments/ Public Sector Undertakings and other CSIR Laboratories. If at a later date, if it is found that similar type of item(s) were sold to other Institutions during the same period at a lesser cost, the difference amount, with penal interest, thereon will be recovered from the supplier. If the vendor have supplied identical or similar equipment to other CSIR Labs/Instt., the details of such supplies for the preceding three years shall be given together with the prices eventually or finally paid. List of clients in India with supporting proofs for the quoted model must be submitted along with your quotation.
4. The tenderer should quote the rates of the items in figures as well as in words. In case of any disputes/ambiguity and the rates quoted in words/figures, the higher value quoted either of the two shall be considered.
5. The quotations shall be valid for a minimum period of 90 days from the date of opening of the tender.
6. Specific delivery period for supply at CSIR-AMPRI, Bhopal must be indicated. No extension for supply beyond due date will be granted.
7. The penalty shall be 0.5% per week towards late delivery & towards delay in installation & commissioning subject to the maximum of 10% of the total value of the Purchase order.
8. Unloading of material at AMPRI, Bhopal Stores has to be arranged by the firm.
9. No request for incorporating Post Tender changes in quoted specifications and correcting typographical error will be considered after opening of submitted tenders. Corrections, erasers, if any, in the quotation must be countersigned and number of corrections/erasers must be indicated specifically.
10. Tenders which do not fulfill any or all of the above conditions or incomplete in any respect, are liable for rejection.
11. Any difference / dispute arising out of the agreement shall be referred to the Delhi International Arbitration Centre (DIAC), Delhi High Court, New Delhi.
12. Conditional quotations shall not be accepted.
13. All the corrections and alterations made in the quotations must be duly countersigned by the authorized signatory, without which quotation will not be considered.
14. In case of non-fulfillment/non-compliance of the above terms & conditions, your quotation shall be treated as incomplete.
15. Payment: 100% payment on bill basis will be made through RTGS only after satisfactory supply, of the Material
16. CSIR-AMPRI, Bhopal is exempted from payment of Excise Duty and Custom Duty for purchases made for scientific purposes.
17. In case the order confirmation is not received within 15 days, it shall be presumed that the vendor has not accepted the order.
18. Force majeure as may be deemed fit will be made applicable for this Contract.
19. The place of jurisdiction is Bhopal.

Annexure- "I"

S/n	Description	Quantity
1	Component for Raman Spectrometer a. Spectrometer with Gratings and accessories b. CCD Detector c. 785nm, 100mW Excitation source for Raman Spectroscopy (As per the following detailed specification)	01 no.

Technical Specifications for add-on components for existing raman spectrometer Airix make and STR500 model

A. Spectrometer:

Sr. No.	Item specification	Range	Remarks
1.	Focal length	150 mm	
2.	Scan range (mechanical)	0-1400 nm (using 1200 G/mm grating)	
3.	Linear dispersion	4.2 nm/mm or lower (with 1200 g/mm grating using 435 nm excitation)	
4.	CCD resolution	0.4 or lower (with 20 um slit width, 1200 g/mm grating and 20 micrometer pixel)	
5.	Wavelength coverage	110 nm or higher	
6.	Grating size	32x 32 mm	
7.	Grating mount	Interchangeable dual mount	
8.	Focal plane	25 mm wide x 10 mm height	
9.	Astigmatism (@ focal plane edge)	690 micron or lower	
10.	Manual slits	10 micrometers to 3 mm adjustable manually	
11.	Wavelength accuracy	± 0.25 nm or lower	
12.	Repeatability	± 0.05 nm or lower	
13.	Drive step size	0.005 nm or lower	
14.	Dimension	7 x 7 6.5 in or lower	
15.	Weight	5 Kg or lower	
16.	Interface	USB & RS232	

B. CCD: Back Illuminated CCD

Sr. No.	Item specification	Range	Remarks
1.	Sensor	LDC-DD Back illuminated CCD, with anti-fringing, low dark current	
2.	Active pixels	2000 x 256 or higher	
3.	Pixel size	15 x 15 micron or lower	
4.	Image area	30 x 3.8 mm or higher	
5.	Temperature air cooled	-60oC at 25 oC ambient	
6.	Max spectra per second	142 (Full vertical Bin @ VSS 16 micro sec	
7.	Window type	Fused Silica, VIS-NIR enhanced, wedged	
8.	Digitization	16-bit or higher	
9.	Dark Current	@-60oC 0.033 (e/pixel/sec)	
10.	Active area pixel well depth	150 k e	
11.	Output register saturation	300 k e	
12.	Read noise , Maximum @frequency	8 @ 130KHz, 8.5 @ 400 KHz, 16 @ 1.48 MHz	
13.	Sensitivity	1.5 - 6.0 (e/count) adjustable	
14.	Vertical clock speed	32 , 16 micro seconds	
15.	Linearity	99% or higher	
16.	Power consumption @ -60oC	24 Watt or lower	

C. Laser:

Sr. No.	Item specification	Range	Remarks
1.	Central Wavelength	784.8 nm/532 nm	
2.	Longitudinal modes	Single mode	
3.	Spectral line width	0.1 FWHM pm or lower	
4.	Output power	100 mW or higher	
5.	Power stability	0.15% (peak-to-peak, 8 hrs)	
6.	Intensity noise,	0.25 % (RMS, 20 Hz to 20 MHz)	

7.	Transversal modes	TEM00	
8.	Beam width (1/e ²)	1 mm	
9.	Beam height (1/e ²)	1.2 mm	
10.	Horizontal beam divergence	1.5 mrad	
11.	Vertical beam divergence	0.8 mrad	
12.	M2 effective	1.3	
13.	Polarization direction	Horizontal	
14.	Polarization contrast	2000	
15.	Operation mode	APC (CW)	
16.	Input voltage	5 VDC	
17.	External power supply requirement	+5 V DC, 1.5 A	
18.	Warm up time	1 mins (cold start)	
19.	Temperature stabilization	Internal TEC	
20.	Overheat protection	YES-	

Bidder Information Form

a) [The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted. This should be done of the letter head of the firm] Date: [insert date (as day, month and year) of Bid Submission] Tender No.: [insert number from Invitation for bids]

1. Bidder's Legal Name [insert Bidder's legal name]
2. In case of JV, legal name of each party: [insert legal name of each party in JV]
3. Bidder's actual or intended Country of Registration: [insert actual or intended Country of Registration]
4. Bidder's Year of Registration: [insert Bidder's year of registration]
5. Bidder's Legal Address in Country of Registration: [insert Bidder's legal address in country of registration]
(l) 6. Bidder's Authorized Representative Information Name: [insert Authorized Representative's name] Address: [insert Authorized Representative's Address] Telephone/Fax numbers: [insert Authorized Representative's telephone/fax numbers] Email Address: [insert Authorized Representative's email address]
7. Attached are copies of original documents of: [check the box(es) of the attached original documents] Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 and 4.2.

Signature and Seal of the
Service Provider /Bidder.....

Place:

Date:

Annexure- "III"

Price Schedule Forms

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM INDIA

Name of the Bidder _____

Tender No. _____

1	2	3	4	5	6	7	8	9	10	11	12
Sl. No.	Item Description With HSN code	Country of origin	Unit	Quantity	Unit Rate Ex-Works, Ex-warehouse, Ex-show-room off the shelf price (inclusive of all taxes already paid)	Total price Ex-Works, Ex-warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid) 5x6	GST & other taxes payable, if contract is awarded	Packing & forward-ing up to station of dispatch if any	Charges for inland transportation, insurance up to Lab. / Instt.by air/road/ rail (retain one only)	Total Price	Installation, Commissioning and training charges, if any

Total Bid price in ₹ _____

in words _____

Note:

(a) The cost of optional items, if any shall be indicated separately

(b) Cost of Spares, if any

Signature of Bidder _____

Name _____

Business Address _____

Price Certificate

(To be submitted on the firm’s letter head with Technical Bids)

Certified that, rates quoted are not higher than the rates quoted for the same /similar equipment /item charged to any other Govt. Organization /PSUs/CSIR Labs or any firm/ organization

Name

Signature & seal of Bidder

Address.....

.....

MANUFACTURERS' AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer and be enclosed with the technical bid.]

Date: *[insert date (as day, month and year) of Bid Submission]*

Tender No.: *[insert number from Invitation for Bids]*

To: *[insert complete name and address of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 2.21 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

PERFORMANCE STATEMENT FORM

(For a period of last 3 years)

Name of the Firm.....

Order Placed by (full address of Purchaser)	Order No. and date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per Contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been installed satisfactorily ? (Attach a certificate from the purchaser/Consignee)	Contact person along with Telephone No., FAX No. and e-mail address

Signature and Seal of the manufacturer/Bidder

Place :

Date :

DEVIATION STATEMENT FORM

Sl.No.	Name of Specifications / Parts / Accessories of Tender Enquiry	Specifications of Quote Model / Part / Accessory	Compliance Whether Yes of No	Deviation, if any to be indicated in unambiguous terms (The compliance / Deviation should be supported by relevant Technical Literature)	Technical justification for the deviation, if any. If specification is superior /inferior than asked for in the enquiry, it should be clearly brought out in the justification

Signature of Bidder

- ✓ If the bidder offers more than one model, then the Compliance Statement must be enclosed for each and every model separately.
- ✓ The technical and commercial deviations should be indicated separately.
- ✓ If the bidder fails to enclose the compliance statement, his bid is likely to be rejected.

Place:

Date:

Signature and seal of the
Manufacturer/Bidder

NOTE:

- 1) Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations".

SERVICE SUPPORT FORM

Sl. No.	Nature of training Imparted	List of similar type of equipment serviced in the past 3 years	Address, Telephone Nos. , Fax Nos. and e-mail address

Signature and Seal of the manufacturer/Bidder.....

Place :

Date :

Format for declaration by the Bidder for Code of Integrity & conflict of interest
(On the Letter Head of the Bidder)

Ref. No: _____

Date _____

To,

(Name & address of the Purchaser)

Sir,

With reference to your Tender No. _____ dated _____ I/We hereby declare that we shall abide by the Code of Integrity for Public Procurement as mentioned under Para 1.3.0 of ITB of your Tender document 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:

a

b

c

We undertake that we shall be liable for any punitive action in case of transgression/contravention of this code.

Thanking you,

Yours sincerely,

Signature

(Name of the Authorized Signatory)

Company

Bid-Securing Declaration Form

Date: _____ Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of : (insert complete name of Bidder)

Dated on _____ day of _____(insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)