



सेन्टर फॉर मेटिरियल्स फॉर इलेक्टॉनिक्स टेक्नोलॉजी (सी-मेट)
CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)
(Scientific Society, Ministry of Electronics and Information Technology (MeitY), Govt. of India)
IDA PHASE – III, CHERLAPALLY, HCL (PO), HYDERABAD – 500 051
Phone: +91-40-27265587, 27267006 Fax: +91-40-27261658 Web: www.cmet.gov.in

No. C-MET/HD/SP-41/LRS/38/2020-21/12942

Date: 01.09.2021

This is a Request for Quote (RFQ) from Indian OEM or its authorized Indian Distributor for Supply, Installation, Commissioning and Training of Laser Raman Spectrometer on FOR Hyderabad basis with value quoted in INR.

Section 1 - Bid Schedule

1	Tender No	C-MET/HD/SP-41/LRS/38/2020-21/12942
2	Tender Date	01.09.2021
3	Item Description	Supply, Installation, Commissioning and Training of Laser Raman Spectrometer at C-MET, Hyderabad
4	Tender Type	Two bid system (i) Technical Bid (Part A) (ii) Commercial Bid (Part B)
5	Place of tender submission	Administrative Officer (A) C-MET, IDA Phase-III Cherlapally, HCL (Post), Hyderabad-500 051 TELANGANA STATE, INDIA
6	Last Date & Time for submission of tender	23.09.2021 by 16:00 Hrs.
7	For further clarification	Dr. U. Rambabu, Scientist E, C-MET, IDA Phase – III, Cherlapally, HCL Post, Hyderabad – 500 051 E-mail: rambabu@cmet.gov.in Mobile: 9441435672

Section 2 – Eligibility Criteria

Pre-qualification criteria:

1. The Bidder's firm should have existence for a minimum of 5 years. (Enclose Company Registration Certificate)
2. The Bidder should belong to either class 1 or class 2 supplier distinguished by their "local content" as defined by recent edits to GFR. They should mention clearly which class they belong to in the cover letter.
 - a) Class 1 supplier: Goods and services should have local content of equal to or more than 50%.
 - b) Class 2 supplier: Goods and services should have local content of equal to or more than 20 % and less than 50%.
3. Quote should come only from Indian Original Equipment Manufacturer

- (OEM) or their Indian authorized distributor.
4. The quotations should be on FOR- C-MET, Hyderabad basis in INR only.
 5. Bidders offering imported products will fall under category of Non-local suppliers. They cannot claim themselves as Class-1 local supplier/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC etc as local value addition.
 6. Purchase preference as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to Class-1 supplier.
 7. The Bidder must not be blacklisted/banned/suspended or have a record of any service- related dispute with any organization in India or elsewhere. A declaration to this effect has to be given as per Annexure 3.
 8. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per Annexure 4.
 9. After-sales service and support, please provide a list of the following:
 - (i) List of installations (minimum 3) with contact persons contact mobile nos. have to be provided along with quotation.
 - (ii) List of service centres (please indicate the one that will support CMET)
 - (iii) Number of company trained engineers at each service centre.

Section 3 – Terms and Conditions

A) Bid Security Declaration:

The bidder has to sign a Bid Security declaration accepting that if the bidder withdraws or modifies its bid during the period of validity i. e., not less than 120 (one hundred and twenty) days from the bid due date or if the bidder is awarded the contract and fails to sign the contract or to submit a performance security before the deadline defined in the request for bid documents, the bidder will be suspended for participation in the tendering process for the tenders of C-MET, Hyderabad for a period of one year from the bid due date of this tender. The bid security declaration shall be submitted as per format (Format for Bid Security Declaration).

B) Submission of Tender:

1. All documentations in the tender should be in English.
2. Tender should be submitted in two envelopes (two bid system).
 - a. Technical Bid (Part-A) – Technical bid consisting of all technical details and check list for conformance to technical specifications. The technical proposal should contain a technical compliance as per format (Technical Compliance Statement).
 - b. Commercial Bid (Part-B) – Indicating item wise price for the items mentioned in the technical bid, **as per the format of quotation provided in tender**, and other commercial terms and conditions.

3. The technical bid and price bid should each be placed in separate sealed covers, superscripting on both the envelopes with the tender no. and the due date. Both these sealed covers are to be placed in a bigger cover which should also be sealed and duly superscripted with the Tender No, Tender Description & Due Date.
4. The SEALED COVER superscripting tender number / due date & should reach The Administrative Officer (A), C-MET, IDA Phase – III, Cherlapally, HCL Post, Hyderabad – 500 051 on or before due date mentioned in the tender notice. In case due date happens to be holiday the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected. E-mail/Fax bids will be rejected
5. All technical queries are to be addressed to the person identified in "Section 1 – Bid Schedule" of the tender notice.
6. The item is required for research purpose, and C-MET is a DSIR registered institution and hence is eligible for concessional GST rate (i.e. GST @ 5%). While submitting the price quote, this point must be taken care of. For getting concessional GST rate certificate, successful bidders must submit, a formal request together with Invoice copy and Purchase order copy.
7. GST/other taxes, levies etc., are to be indicated separately. The BIDDER should mention GST Registration and PAN in the tender document.
8. If price is not quoted in Commercial Bid as per the format provided in tender document, the bid is liable to be rejected.
9. C-MET reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to the award of contract, without incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.
10. Incomplete bids will be summarily rejected.

C) Cancellation of Tender:

Notwithstanding anything specified in this tender document, C-MET, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:

- a. To accept OR reject lowest tender or any other tender or all the tenders.
- b. To accept any tender in full or in part.
- c. To reject the tender, offer not confirming to the tender terms.

D) Validity of the Offer:

The offer shall be valid 120 Days from the date of opening of financial or commercial bid.

E) Evaluation of Offer:

1. The technical bid (Part A) will be opened first and evaluated.
2. Bidders meeting the required eligibility criteria as stated in Section 2 of this document shall only be considered for Commercial Bid (Part B) opening. Further, agencies not furnishing the documentary evidence as required will not be considered.
3. Pre-qualification of the bidders shall not imply final acceptance of the Commercial Bid. The agency may be rejected at any point during technical evaluation or during commercial evaluation. The decision in regard to acceptance and / or rejection of any offer in part or full shall be the sole discretion of C-MET, Hyderabad and decision in this regard shall be binding on the bidders.
4. The award of contract will be subject to acceptance of the terms and conditions stated in this tender.
5. Any offer which deviates from the vital conditions (as illustrated below) of the tender is liable to be rejected:
 - a. Non-submission of complete offers.
 - b. Receipt of bids after due date and time and or by email / fax (unless specified otherwise).
 - c. Receipt of bids in open conditions.
6. In case any BIDDER is silent on any clauses mentioned in these tender documents, C-MET, Hyderabad shall construe that the BIDDER had accepted the clauses as of the tender and no further claim will be entertained.
7. No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
8. Lowest bid will be calculated based on the total price of all items tendered for Basic equipment along with accessories selected for installation, operation, pre-processing and post processing, optional items, recommended spares, warranty, annual maintenance contract. C-MET is looking for the most cost-effective solution of obtaining a new tool. Vendors are encouraged to propose all avenues, including but not limited to buy back of the existing tool, turnkey upgrade of existing tool or purchase of a new tool.

F) Pre-requisites:

The bidder will provide the prerequisite installation requirement of the equipment along with the technical bid.

G) Warranty:

The complete system is to be under warranty period of minimum 1 year standard warranty + 4 years extended warranty from the date of final acceptance at C-MET (year wise breakup value should be shown in the commercial bid) Vendor should include cost of any spares that are expected to be needed during the warranty/extended warranty period, including electronics, subcomponents, and software. Vendors can assume usage of 1000-1500 hours/year for this calculation. If the instrument is found to be defective, it has to be replaced or rectified at the cost of the bidder within 30 days from the date of receipt of written communications from C-MET, Hyderabad. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.

H) Annual Maintenance Contract:

An annual maintenance contract for a period of at least 3 years post warranty should be provided as per format as an optional item on completion of warranty period of 5 years (1 year standard warranty + 4 years extended warranty).

The AMC costs will not be considered towards classifying the domestic nature (class 1 or class 2) of the vendor (see eligibility criteria in section 2).

I) Purchase Order:

1. The quantity of the items in tender is only indicative. C-MET, Hyderabad reserves the right to increase/decrease the quantity of the items depending on the requirement.
2. If the quality of the product and service provided is not found satisfactory, C-MET, Hyderabad reserves the right to cancel or amend the contract.

J) Delivery, Installation and Training:

The bidder shall provide the lead time to delivery, installation and made functional at C-MET, Hyderabad from the date of receipt of purchase order. The system should be delivered, installed and made functional within 60 days from the date of receipt of purchase order. The supply of the items will be considered as effected only on satisfactory installation and inspection of the system and inspection of all the items and features/capabilities tested by the C-MET, Hyderabad. After successful installation and inspection, the date of taking over of entire system by the C-MET, Hyderabad shall be taken as the start of the warranty period. No partial shipment is allowed.

The bidder should also arrange for technical training to the local facility technologists and users.

K) Liquidated Damages:

The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire stores is supplied, installed and accepted.

L) Performance Security Deposit (PSD):

- Within 21 days of receipt of the notification of award/PO, the Supplier shall furnish Performance Security (PS) [also known as Bank Guarantee] for the amount specified in the purchase order. It is an option to the Purchaser either to submit single Bank Guarantee/FD etc as detailed to cover both supply, installation and commissioning (as indicated in PO/WO) and warranty/extended warranty period or two BGs one each to cover supply and warranty/extended warranty separately. The validity shall be as stipulated in PO plus 60 days.
- The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries or in equivalent Indian Rupees in case the Performance Security is submitted by the Indian Agent.
- The Performance security shall be in one of the following forms: (a) A Bank guarantee issued by a Nationalized/ Scheduled bank in the form provided in the bidding documents. Or (b) A Banker's cheque or Account Payee demand draft in favour of the purchaser. Or, (c) A Fixed Deposit Receipt pledged in favour of the Purchaser.
- The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty/extended warranty obligations, unless specified otherwise, without levy of any interest.
- In the event of any contract amendment, the supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.
- The performance security must be submitted within 21 days. However, the Purchaser has the powers to extend the time frame for submission of Performance Security (PS). Even after extension of time, if the PS is not received, the contract is liable to be cancelled provided that the purchaser, on

being satisfied that it is not a case of cartelization and the integrity of the procurement process has been maintained, may, for cogent reasons, offer the next successful bidder an opportunity to match the financial bid of the first successful bidder, and if the offer is accepted, award the contract to the next successful bidder at the price bid of the first successful bidder.

- Whenever, the bidder chooses to submit the Performance Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.

M) Payment Terms:

Our standard payment term is 100% payment within 30 days against receipt, installation, commissioning, training and acceptance of material in good condition by NEFT/RTGS subject to submission of BG for 3% of contract value covering warranty period including extended warranty period, if any.

Special Condition: The stipulated delivery date for completion of all activities to be performed by the supplier under contractual obligations i.e., supply of equipment/machinery and erecting & commissioning including all the civil, electrical works, if any under the contract.

N) Statutory Variation:

Statutory Variation in taxes and duties, or fresh imposition of taxes and duties by State/Central Governments in respect of the items stipulated in the contract (and not the raw materials thereof), within the original delivery period stipulated in the contract, or last unconditionally extended delivery period shall be to C-MET's account. Only such variation shall be admissible which takes place after the submission of bid. No claim on account of statutory variation in respect of existing tax/duty will be accepted unless the tenderer has clearly indicated in his offer the rate of tax/duty considered in his quoted rate. No claim on account of statutory variation shall be admissible on account of misclassification by the supplier/contractor.

O) Disputes and Jurisdiction:

Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Hyderabad, India.

P) Force Majeure:

The Supplier shall not be liable for forfeiture of its performance security, penalty or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify C-MET in writing of such conditions and the cause thereof. Unless otherwise directed by C-MET in writing, the Supplier shall continue to perform its obligations under the Supply as far as it is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure.

Q) General:

1. All amendments, time extension, clarifications etc., within the period of submission of the tender will be communicated electronically. No extension in the bid due date/time shall be considered on account of delay in receipt of any document(s) by mail.
2. The bidder may furnish any additional information, which is necessary to establish capabilities to successfully complete the envisaged work. It is however, advised not to furnish superfluous information.
3. The bidder may visit the installation site before submission of tender, with prior intimation.
4. Any information furnished by the bidder found to be incorrect, either immediately or at a later date, would render the bidder liable to be debarred from tendering/taking up of work in C-MET, Hyderabad.

Section 4 – Technical Specifications

Technical Specification for Laser Raman Spectrometer

1.	Excitation Source	<p>The Laser's for Raman must cover up to 3 Lasers of the entire range deep UV to IR and optimized for Raman applications (state clearly the wavelength, spot size and power of the Lasers and their tunability) (Quote separately for these lasers with smaller spot sizes, higher power and additional filters for power tunability from lower than 0.3% for each Laser)</p> <ol style="list-style-type: none"> 1. 532nm air cooled solid state laser with 50 mW power or more (50-100mW with power tunability from 0.3% to 100% in minimum 6 steps). 2. Laser has to be air cooled
2	Gratings	<p>Both manual and automated assemblies of the gratings optimized for functioning of the system for all the Laser lines of the Raman that have been quoted for.</p> <ol style="list-style-type: none"> 1. 600 gr/mm 2. 1200gr/mm 3. 1800gr/mm 4. 2400gr/mm
3	Focal length	Minimum 250mm
4	Spectral range	Raman measurements from 10 cm^{-1} or lower to 4000 cm^{-1} or more
5	Spectral resolution	Spectral resolution of 0.5cm^{-1} or better
6	Filters	Vendor should provide necessary filters required for Raman Spectroscopy(Edge filter, Notch filter or any other type which is required for Laser Optics).
7	Calibration Source	Neon/Silicon for wavelength and intensity calibration or any other International standard please quote separately.
8	Laser's	<ol style="list-style-type: none"> 1. Lasers should be air cooled for maximal confocal performance and should be directly coupled to the spectrometer (No fibre coupling) 2. Lasers switching should be software controlled.
9	Microscope	<ol style="list-style-type: none"> 1. Confocal Microscope be branded grade with colour camera for viewing. 2. 5X, 10X, 20X, 50X AND 100X Objectives. 3. Microscope should include reflected light illumination.
10	Detector	<ol style="list-style-type: none"> 1. A multichannel Charge Coupled Device (CCD) detector. 2. Minimum of 1024 X 256 pixels 3. Thermo electric Peltier cooled upto $(-)100^{\circ}\text{C}$ 4. Operation optimized and linearized using software with max Quantum efficiencies and the lowest dark currents for Spectral range at least from 200nm-1000nm or more. Clearly state the quantum efficiency, dark noise and the readout noise for the CCD quoted. Any other option please quote separately.
11	XYZ Mapping Stage	<ol style="list-style-type: none"> 1. Motorized computer controlled sample scan stage with joystick. Must be capable of analysing sample of size, minimum, X-112mm, Y-76mm, Z-25mm. 2. Motorized X Y movements with step size 50nm or lower and Z movements with single step 10nm or lower.

		<ol style="list-style-type: none"> Spatial resolution of the Raman mapped image must be 250nm or better. Software: Instrument control and data acquisition software with fully integrated data analysis and presentation software with image capture software for white light image display and capture.
12	Computer Hardware and Software	<ol style="list-style-type: none"> A high end compatible computer for efficient controlling of the Raman system for requisite analysis and data extraction. The computer must have a separate graphics card (1 GB or more) and high quality imaging of the Raman. The desktop computer i9 processor of 10th generation, 10 TB SATA HDD, DVD-RW, WINDOWS 10 (64 bit) Operating system, 32 inch TFT colour monitor. Vendor should provide licence of MS office, pdf. Standard library data base for Raman spectroscopy analysis.
13	Warranty period	Standard Warranty period for 1 year and extended warranty period for another 4 years (Total: 60 months) from the date of final acceptance at CMET.
14	Installation and Commissioning	On-site installation by factory trained experienced engineers and demonstration of the capabilities by the vendors at CMET at free of cost.
15	Training	Supplier has to provide operating and maintenance training with application specialist at the time of installation and commissioning at C-MET, Hyderabad.
17	Assurance from Vendor	Assurance from OEM to provide maintenance/spares support for next 6-7 years.
18	Manual and circuit diagrams	Complete set of manuals for the operation and the servicing of the equipment. All circuit diagrams block diagrams, and other electrical schematics must be provided for main unit, subsystems accessories (including bought-out items).
Optional Items		
20	Spares and Consumables	Vendor should quote the required spares and consumables for trouble free operation for at least 5 years which can be utilized after warranty period.
21	Laser	<ol style="list-style-type: none"> Solid state laser for NIR (<785nm or equal, min 200mW with power tunability from 0.3% to 100% in minimum 6 steps) with 50cm⁻¹ Edge filter. Air is required to cool the laser.
22	Power supply and Uninterrupted Power System (UPS)	<ol style="list-style-type: none"> The system and its accessories should be capable of operating at 220V, 50Hz single phase power supply. UPS system of adequate rating to support the Raman Spectroscopy and its accessories for a period of 2 hrs with dry fit batteries and plug-in connections and dialogue mode.
23	AMC charges	Party should quote the AMC charges after the warranty for minimum 3 years.

Note to the bidder: Bids with payment terms in INR only accepted. Bids with Foreign Currency will be rejected as non-responsive.

Section 5- Technical Bid

The technical bid should furnish all requirements of the tender along with all annexures in this section and submitted to

Administrative Officer (A)
C-MET
IDA Phase-III
Cherlapally, HCL (Post),
Hyderabad-500 051
TELANGANA STATE, INDIA
Tel No.:+91-40 27265587 / 27267006
Fax: +91-40-27261658

(in the company letter head)**BIDDER'S DETAILS**

The bidder must provide the following mandatory information & attach supporting documents wherever mentioned:

1	Name of the supplied/party/firm	
2	Name of the authorized representative	
3	Communication address	
4	Telephone Nos.	
5	Mobile Nos.	
6	Fax and e-mail address	
7	Web address	
8	Bank details for payment through NEFT/RTGS	
9	Name of Bank	
	Branch	
	Account No	
	IFSC No	
	MICR No	
	Cancelled cheque for verification of above details	

Signature of Bidder_____

Name_____

Business Address_____

Seal of the Bidder _____

(in the company letter head)**PREVIOUS EXPERIENCE DETAILS
(LAST 5 YEARS)
{01.04.2016 to 31.03.2021}**

To,

Administrative Officer (A)
C-MET, IDA Phase-III
Cherlapally, HCL (Post),
Hyderabad-500 051
TELANGANA STATE, INDIA

Ref: Tender No: XXXXXXXX Dated: XXXXX

Supply, Installation, Commissioning and Training of Laser Raman Spectrometer at C-MET, Hyderabad

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm has ____ years of experience in Supply, Installation, Commissioning and Training of Laser Raman Spectrometer.

S. No.	Name of System	Name, address, e-mail and mobile no.	Purchase Order No. & Dt.	Delivery due date as per PO	Actual date of delivery	Date of installation and commissioning
(1)	(2)	(3)	(4)	(5)	(6)	(7)

Signature of Bidder _____

Name_____

Seal of the Bidder _____

Date:

Place:

(in the company letter head)**DECLARATION REGARDING TRACK RECORD**

To,

Administrative Officer (A)
C-MET, IDA Phase-III
Cherlapally, HCL (Post),
Hyderabad-500 051
TELANGANA STATE, INDIA

Ref: Tender No: XXXXXXXX Dated: XXXXX

Supply, Installation, Commissioning and Training of Laser Raman Spectrometer at C-MET, Hyderabad

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company/ firm is not currently debarred / blacklisted by any Government / Semi Government organizations / institutions in India or abroad. I further certify that I'm competent officer in my company / firm to make this declaration.

Or

I declare the following

Sl. No	Country in which the company is Debarred /blacklisted / case is Pending	Blacklisted / debarred by Government / Semi Government/ Organizations /Institutions	Reason	Since when and for how long
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(NOTE: In case the company / firm was blacklisted previously, please provide the details regarding period for which the company / firm was blacklisted and the reason/s for the same).

Yours faithfully

Name & Signature of the Bidder
Authorized signatory with Official stamp/seal

Date:

**(TO BE SUBMITTED ALONG WITH TECHNICAL BID)
(in the company letter head)**

To,

Date:

The Administrative Officer
C-MET, IDA Phase III
Cherlapally,
Hyderabad 500 051

Sub: Acceptance of Terms & Conditions of Tender.

Ref: Tender No: XXXXXXXX Dated: XXXXX

Supply, Installation, Commissioning and Training of Laser Raman Spectrometer at C-MET, Hyderabad

Sir/Madam,

I/We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/Work' for the web site(s) namely:

as per your advertisement, given in the mentioned website(s)/enquiry letter.

2. I/we hereby certify that I/we have read the entire terms & conditions of the tender documents from Page No. _____ to _____ (including all documents like Annexure(s), schedules(s), etc.) which form part of the contract agreement and I/We shall abide hereby by the terms/conditions/clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/organization too have all been taken into consideration, while submitting this acceptance letter.

4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document (s)/Corrigendum(s) in its totally/entirely.

5. In case any provisos of this tender are found violated, then your Department/Organizations shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

Name & Signature of the Bidder
Authorized signatory with Official stamp/seal

Date:

Annexure – 5

Details of items quoted:

- a. Company Name
- b. Product Name
- c. Part / Catalogue number
- d. Product description / main features
- e. Detailed technical specifications
- f. Remarks

Instructions to bidders:

1. Bidder should provide technical specifications of the quoted product/s in detail.
2. Bidder should attach product brochures along with technical bid.
3. Bidders should clearly indicate compliance or non-compliance of the technical specifications provided in the tender document.

(in the company letter head)

PRICE REASONABILITY CERTIFICATE

It is certified that the rates quoted _____ are not more than as charged to other Govt. /PSU's for similar supplies made in recent past. Copies of the supply orders received from other Govt/PSU's are enclosed alongwith the technical bid.

Signature of Bidder _____

Name _____

Business Address _____

Seal of the Bidder _____

Date:

Place:

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

(in the company letter head)

UNDERTAKING/ DECLARATION

I/We having our office at _____ declare that I/we have never been blacklisted by any State Government/Central Government or any State/Central PSU.

2. I/We, _____ hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.

3. I/We _____ hereby accept to provide warranty/ guarantee and Free Service for a period of minimum one year from the date of supply/ installation of the materials.

4. I/We _____ of _____ hereby agree on the acceptance of this tender by Director, C-MET to _____, in accordance with the terms and conditions of contract and at the rates or price specified in financial bid.

5. This is also certified that the rates quoted in the financial bid are not more than the rates charged from any other Institution/Department/ Organization in the last six months. No Other charges would be payable by the Institute.

6. I/We _____ have gone through the terms and conditions and will abide by them as laid down above. I hereby undertake that the information provided above and elsewhere in the tender is true and the tender is liable to rejection if the same is found to be false or the information is found to have been suppressed by me.

Name & Signature of the Bidder
Authorized signatory with Official stamp/seal

(in the company letter head)**COMPLIANCE STATEMENT IN R/O COMMERCIAL TERMS**

RFQ Reference No. : NO. : C-MET/HD/SP-41/LRS/38/2020-21/12942
 Date : 01.09.2021

Name of the Stores/
 Goods/Equipment : SUPPLY, INSTALLATION, COMMISSIONING &
 TRAINING OF **LASER RAMAN SPECTROMETER**

Sl. No.	Description	C-MET Terms	Accepted / Not Accepted	Remarks
1	Payment Terms	100% payment within 30 days against receipt, installation, commissioning, training and acceptance of material in good condition by NEFT/RTGS subject to submission of BG for 3% of basic cost covering warranty period/ extended warranty period		
2	Bid Validity	120 days from the date of opening of financial or commercial bid		
3	Delivery Schedule	Within 1-2 months from the date of placing Purchase Order		
4	Place of delivery	C-MET, Hyderabad		
5	Warranty	One Year standard warranty + Four years extended warranty from the date of final acceptance at C-MET		
6	Training	Supplier has to provide operating and maintenance training with application specialist at the time of installation and commissioning at C-MET, Hyderabad at free of cost.		
7	Any other relevant information			

Signature of Bidder _____

Name _____

Seal of the Bidder _____

Date:

Place:

(in the company letter head)

BID SECURITY DECLARATION

I hereby submit a declaration that the bid submitted by the undersigned, on behalf of the bidder. *[Name of the bidder]*, either sole or in JV, shall not be withdrawn or modified during the period of validity i. e., not less than 120 (one hundred twenty) days from the bid due date.

I, on behalf of the bidder, *[Name of the bidder]*, also accept the fact that in case the bid is withdrawn or modified during the period of its validity or if we fail to sign the contract in case the tender is awarded to us or we fail to submit a performance security before the deadline defined in clause 9 of the Tender Document, then *[Name of the bidder]* will be suspended for participation in the tendering process for the tenders of C-MET, Hyderabad for a period of one year from the bid due date of this tender.

(Signature of the authorized signatory)
Official Seal

Date:

Place:

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY DEPOSIT

To

The Administrative Officer
C-MET, IDA Phase-III
Cherlapally, HCL Post
Hyderabad – 500 051
TELANGANA STATE
INDIA

WHEREAS _____ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no _____ dated _____ to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of _____ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to (In words) months from the date of Notification of Award i.e up to ----- (indicate date)

.....
(Signature with date of the authorized officer of the Bank)

.....
Name and designation of the officer
.....

Seal, name & address of the Bank and address of the Branch

Section 6 – Commercial Bid

The commercial bid should be furnished with all requirements of the tender with supporting documents as mentioned under:

(in the company letter head)

BID FORM AND PRICE SCHEDULE

RFQ Reference No. : NO. : C-MET/HD/SP-41/LRS/38/2020-21/12942
Date : 01.09.2021

Name of the Stores/
Goods/Equipment : SUPPLY, INSTALLATION, COMMISSIONING &
TRAINING OF **LASER RAMAN SPECTROMETER**

Sl. No.	Description	HSN/SN CODE	Qty.	Amount(₹)
1	SUPPLY, INSTALLATION, COMMISSIONING & TRAINING OF LASER RAMAN SPECTROMETER		1 No.	
	Packing & Forwarding charges			
	Freight charges			
	Insurance			
	Installation charges			
	Taxable value			
	Concessional GST @ 5%			
	GRAND TOTAL			

(Rupees _____ only)

1. Payment Terms:
2. Bid Validity:
3. Delivery Schedule:
4. Place of delivery: C-MET, HYDERABAD
5. Warranty, if applicable:
6. Any other relevant information:

Signature of Bidder _____

Name _____

Seal of the Bidder _____

Date:

Place:

(in the company letter head)

BID FORM AND PRICE SCHEDULE FOR OPTIONAL ACCESSORIES

RFQ Reference No. : NO. : C-MET/HD/SP-41/LRS/38/2020-21/12942
Date : 01.09.2021

Name of the Stores/
Goods/Equipment : SUPPLY, INSTALLATION, COMMISSIONING &
TRAINING OF **LASER RAMAN SPECTROMETER**

Sl. No.	Description	HSN/SN CODE	Qty.	Amount(₹)
1	SUPPLY, INSTALLATION, COMMISSIONING AND TRAINING OF LASER RAMAN SPECTROMETER- Optional Accessories			
	1) Spares & Consumables for a period of 5 years after warranty period			
	2) Solid State Laser for NIR			
	3) UPS System			
	Taxable value			
	Concessional GST @ 5%			
	GRAND TOTAL			

(Rupees _____ only)

Signature of Bidder _____

Name _____

Seal of the Bidder _____

Date:

Place:

(in the company letter head)

BID FORM AND PRICE SCHEDULE FOR EXTENDED WARRANTY

RFQ Reference No. : NO. : C-MET/HD/SP-41/LRS/38/2020-21/12942
Date : 01.09.2021

Name of the Stores/
Goods/Equipment : SUPPLY, INSTALLATION, COMMISSIONING &
TRAINING OF **LASER RAMAN SPECTROMETER**

Sl. No.	Description	No. of Years	Amount(₹)
1	EXTENDED WARRANTY FOR A PERIOD OF FOUR (4) YEARS AFTER EXPIRY OF STANDARD WARRANTY FOR LASER RAMAN SPECTROMETER	4 years	
	Taxable value		
	GST		
	GRAND TOTAL		

(Rupees _____ only)

Signature of Bidder _____

Name _____

Seal of the Bidder _____

Date:

Place:

Section 7 – Checklist

Documents to be submitted along with the bids
(**TECHNICAL BID**)

S No	Description	Yes/No	Page No
1	Covering/introduction letter from the Firm referring to C-MET's tender enquiry No and date towards participation in the tender.		
2	Details of EMD (Bid Security declaration)		
3	Acceptance of terms & conditions of tender enquiry		
4	Signed copy of tender enquiry		
5	Price Reasonability Certificate		
6	Bid form and Price schedule with commercial terms WITHOUT PRICE		
7	Bid form and Price schedule for Optical Accessories WITHOUT PRICE		
8	Bid form and Price schedule for extended warranty WITHOUT PRICE		
9	Price schedule for non-comprehensive annual maintenance contract after warranty period WITHOUT PRICE		
10	Previous experience details alongwith documents like PO/WO etc. (not more than 3 years old)		
11	Undertaking and declaration		
12	Technical compliance statement with/without deviation		
13	Technical brochure of the Product offered or drawings		
14	GST Registration certificate or No		
15	Bank details for NEFT/RTGS		
16	Warranty		

**Documents to be submitted alongwith Commercial bids
(PRICE BID)
(Separate sealed cover)**

S No	Description	Page No
1	Bid form and Price schedule with commercial terms WITH PRICE	
2	Bid form and Price schedule for Optional Accessories WITH PRICE	
3	Bid form and Price schedule for extended warranty WITH PRICE	
4	Price schedule for non-comprehensive annual maintenance contract after warranty period WITH PRICE	

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

(in the company letter head)

Technical compliance statement in r/o LASER RAMAN SPECTROMETER

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
1.	Excitation Source	<p>The Laser's for Raman must cover up to 3 Lasers of the entire range deep UV to IR and optimized for Raman applications (state clearly the wavelength, spot size and power of the Lasers and their tunability) (Quote separately for these lasers with smaller spot sizes, higher power and additional filters for power tunability from lower than 0.3% for each Laser)</p> <ol style="list-style-type: none"> 532nm air cooled solid state laser with 50 mW power or more (50-100mW with power tenability from 0.3% to 100% in minimum 6 steps). Laser has to be air cooled 				
2.	Gratings	<p>Both manual and automated assemblies of the gratings optimized for functioning of the system for all the Laser lines of the Raman that have been quoted for.</p> <ol style="list-style-type: none"> 600 gr/mm 1200gr/mm 1800gr/mm 2400gr/mm 				
3.	Focal length	Minimum 250mm				
4.	Spectral range	Raman measurements from 10 cm ⁻¹ or				

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
		lower to 4000 cm ⁻¹ or more				
5.	Spectral resolution	Spectral resolution of 0.5cm ⁻¹ or better				
6.	Filters	Vendor should provide necessary filters required for Raman Spectroscopy(Edge filter, Notch filter or any other type which is required for Laser Optics).				
7.	Calibration Source	Neon/Silicon for wavelength and intensity calibration or any other International standard please quote separately.				
8.	Laser's	1. Lasers should be air cooled for maximal confocal performance and should be directly coupled to the spectrometer (No fibre coupling) 2. Lasers switching should be software controlled.				
9.	Microscope	1. Confocal Microscope be branded grade with colour camera for viewing. 2. 5X, 10X, 20X, 50X AND 100X Objectives. 3. Microscope should include reflected light illumination.				
10.	Detector	1. A multichannel Charge Coupled Device (CCD) detector. 2. Minimum of 1024 X 256 pixels 3. Thermo electric Peltier cooled upto (-)100°C 4. Operation optimized and linearized using software with max Quantum efficiencies and the lowest dark				

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
		currents for Spectral range at least from 200nm-1000nm or more. Clearly state the quantum efficiency, dark noise and the readout noise for the CCD quoted. Any other option please quote separately.				
11.	XYZ Mapping Stage	<ol style="list-style-type: none"> 1. Motorized computer controlled sample scan stage with joystick. Must be capable of analysing sample of size, minimum, X-112mm, Y-76mm, Z-25mm. 2. Motorized X Y movements with step size 50nm or lower and Z movements with single step 10nm or lower. 3. Spatial resolution of the Raman mapped image must be 250nm or better. 4. Software: Instrument control and data acquisition software with fully integrated data analysis and presentation software with image capture software for white light image display and capture. 				
12.	Computer Hardware and Software	<ol style="list-style-type: none"> 1. A high end compatible computer for efficient controlling of the Raman system for requisite analysis and data extraction. 2. The computer must have a separate graphics card (1 GB or more) and high quality imaging of the Raman. 				

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
		<p>3. The desktop computer i9 processor of 10th generation, 10 TB SATA HDD, DVD-RW, WINDOWS 10 (64 bit) Operating system, 32 inch TFT colour monitor.</p> <p>4. Vendor should provide licence of MS office, pdf.</p> <p>5. Standard library data base for Raman spectroscopy analysis.</p>				
13.	Warranty period	Standard Warranty period for 1 year and extended warranty period for another 4 years (Total: 60 months) from the date of final acceptance at CMET.				
14.	Installation and Commissioning	On-site installation by factory trained experienced engineers and demonstration of the capabilities by the vendors at CMET at free of cost.				
15.	Training	Supplier has to provide operating and maintenance training with application specialist at the time of installation and commissioning at C-MET, Hyderabad.				
16.	Assurance from Vendor	Assurance from OEM to provide maintenance/spares support for next 6-7 years.				
17.	Manual and circuit diagrams	Complete set of manuals for the operation and the servicing of the equipment. All circuit diagrams block diagrams, and other electrical schematics must be provided for main unit, subsystems accessories (including bought-out items).				

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
	Optional Items:					
18.	Spares and Consumables	Vendor should quote the required spares and consumables for trouble free operation for at least 5 years which can be utilized after warranty period.				
19.	Laser	1. Solid state laser for NIR (<785nm or equal, min 200mW with power tunability from 0.3% to 100% in minimum 6 steps) with 50cm ⁻¹ Edge filter. 2. Air is required to cool the laser.				
20.	Power supply and Uninterrupted Power System (UPS)	1. The system and its accessories should be capable of operating at 220V, 50Hz single phase power supply. 2. UPS system of adequate rating to support the Raman Spectroscopy and its accessories for a period of 2 hrs with dry fit batteries and plug-in connections and dialogue mode.				
21.	AMC charges	Party should quote the AMC charges after the warranty for minimum 3 years.				
22.	Bids with payment terms in INR only accepted. Bids with Foreign Currency will be rejected as non-responsive					

Signature of Bidder _____

Name _____

Business Address _____

Seal of the Bidder _____

Place:

Date:

(in the company letter head)

**PRICE SCHEDULE FOR NON-COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (NC-AMC)
AFTER WARRANTY PERIOD I.E. 1 STANDARD YEAR [12 MONTHS] & EXTENDED WARRANTY PERIOD [4 YEARS]
FROM THE DATE OF FINAL ACCEPTANCE AT C-MET, HYDERABAD FOR "LASER RAMAN SPECTROMETER"**

{No. of Visits per annum: (a) Preventive Maintenance – 2 & (b) Breakdown Maintenance – 2 }

1 Name of the equipment	2 Quantity	3 Non-Comprehensive Annual Maintenance Contract * (without GST)			4 Total NC-AMC Cost for 3 Years (3a+3b+3c)	5 Applicable GST on the date of opening of tender	6 Per visit charges after the warranty period if NC-AMC not entered (without GST). Quoted rate should be valid for 24 months after warranty period
		1 st (6 th year)	2 nd (7 th year)	3 rd (8 th year)			
		a	b	c			
LASER RAMAN SPECTROMETER MAKE: MADEL	1						

*** QUOTE NC-AMC CHARGES WITHOUT GST**

NOTE:-

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of NC-AMC which includes preventive maintenance, operational manual and labour, after satisfactory completion of 1 year standard warranty (12 months) & four years extended warranty.
3. The cost of NC-AMC may be quoted along with taxes applicable on the date of Tender Opening.
4. The uptime warranty will be 98 % on 24 (hrs) x 7 (days) x 365 (days) basis or as stated in Technical Specification of the TE document.
5. The supplier shall keep sufficient stock of spares required during NC-AMC period

Signature of Bidder _____
Name _____
Business Address _____
Seal of the Bidder _____

Place:
Date:

