

Tender Details

Tender No: SCL/PS4/2019E0131101

Tender Date: 12/03/2019

Purchase Entity: Pur_Entity4

Tender Notice

E-Procurement Tender No. SCL/PS4/2019E0131101 dated 08.03.2019. SEMI-CONDUCTOR LABORATORY [SCL] invites ONLINE offers in TWO part system through e-tender portal <https://eprocure.isro.gov.in> for Supply, Installation and Commissioning of High Accuracy Measurement Microscope. Tender documents can be downloaded from 15.03.2019 - 1101 hrs. to 15.04.2019 upto 1030 hrs. The vendors need to get enrolled in the e-tender portal to access tender and submit their offer online. Vendors need to have Digital Signature Certificate as detailed on our e-portal and corporate e-mail ID to register on the above portal. Only online tenders will be accepted. No Manual/Postal/Courier/e-mail/fax tender will be entertained. Please note Tender fee shall not be applicable for tenders submitted on line through this portal. Vendors interested to participate in this e Tender are required to register themselves as vendors, if not already registered, in our e-procurement portal <https://eprocure.isro.gov.in> by downloading plugins and help demos listed on the home page of the e-procurement link mentioned above to complete the vendor registration process. They can seek help from help desk 020 25315555/9167969601 (Email: support.isro@nextenders.com) also the home page of e-procurement portal may be accessed for any technical help for registration and subsequent process. Vendors may please note that without registering in our E-procurement portal they will not be able to quote for this tender.

Tender Attachments

Technical Write-up/Drawings

Attachment - I:

IDT002118000000000000isro05401.pdf

Attachment - II:

IDT002118000000000000isro05402.pdf

Attachment - III:

Attachment - IV:

Attachment - V:

Instructions to Tenderers (PT)

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1. Interested tenderers may, at their option, login to <http://eprocure.isro.gov.in> and submit offers as per details in the tender notification.
2. Request for the extension of the due date will not be considered.
3. SCL reserves the right to accept or reject any / or all the tenders in part or full without assigning any reasons thereof. The bidder is at liberty to seek information related to bidding conditions, bidding process and/or rejection of its bid.
4. In this tender either the Indian Agent on behalf of the Principal/OEM or the Principal/OEM itself can bid, but both cannot bid simultaneously for the same item. Indian agents while quoting on behalf of their principals shall provide necessary latest authorization letter obtained from their Principals/Manufacturers in their bid.

5. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the tender for the same item. If submitted, all offers submitted by the said agent shall be excluded from the procurement process.
6. The tenders of vendors who have not agreed to furnish Security Deposit and Performance Bank Guarantee as sought vide this tender shall be excluded from the procurement process.
7. The tenders of bidders where the validity of the tender is shorter than the period specified in the tender enquiry shall be excluded from the procurement process.
8. Late tenders, delayed tenders, fax quotations and e-mail quotations are not considered.
9. SCL reserves the right to verify all claims made by the bidder.
10. SCL reserves the right to change any milestone date of the tendering activity / tender schedule.
11. Tender which is not submitted in terms of instructions mentioned herein is liable to be rejected.
12. If tender opening date happens to be a public holiday, tender will be opened on the next working day and interested bidders may depute their representatives to attend the Tender Opening, with proper authorization.
13. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderer shall supply the same at the rates quoted.
14. It is expressly agreed that the acceptance of the Stores Contracted for is subject to final approval in writing by the Purchaser.
15. It is to be noted that the drawings, specifications, end-use, etc., given by the purchaser, are confidential and shall not be disclosed to any third party.
16. Prices are required to be quoted according to the units indicated in the tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
17. The Prices are to be mentioned both in figures as well as in words. The taxes, duties etc. are to be calculated and indicated in the column provided in online forms explicitly.
18. Bidders are expected to comply with commercial and other terms and conditions given in vendor specified terms of this tender. In case of any deviation, the reasons thereof should be clearly specified in the vendor specified terms column.
19. All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

20. Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to remove the samples at his own expense.

21. Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.

22. Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his bid. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

23. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

24. The Purchaser reserves the right to place order on the successful tenderer for additional quantities up to 25% of the quantity offered by them at the rates quoted.

25. The contractor shall also undertake the supply of additional number of items covered by the order as considered necessary by the purchaser at a later date, the actual price to be paid shall be mutually agreed to after negotiations.

26. Subletting and Assignment: The contractor/supplier cannot sublet, transfer or assign the order/Contract or any part thereof or interests therein or benefit or advantage thereof in any manner whatsoever, to any other party save with the previous written consent of the purchaser. Such consent by the purchaser, however, shall not relieve or discharge the contractor/supplier from any obligation, duty or responsibility under the Purchase Order/ Contract.

27. The contractor/supplier shall indemnify the purchaser against Workmen Compensation Act.

28. The authority of the person submitting the tender, if called for, should be produced.

29. This being a two part tender -Technical and Commercial part separate, the Technical part should not contain Pricing information. The tenders containing Price details in Technical part will be treated as unsolicited offers and rejected. Prices should be indicated in the Price Bid template only.

30. The bids shall be opened on first day of tender opening schedule as indicated in the Tender in the presence of the bidders/their authorized representatives who may like to attend the tender opening against presentation of Authorization letter. Due to any breakdown in Server/Link, bid opening will be continued on the following dates. The schedule of opening of Price bids shall be intimated separately to the technically qualified bidders only.

31. If tender opening date happens to be a public holiday, tender will be opened on the next working day and interested bidders may depute their representatives to attend the Tender Opening, with proper authorization.

32. PROCEDURE FOR EVALUATION OF TENDERS:

Technical Evaluation Criteria:

Vendor meeting the eligibility criteria and basic technical specifications mentioned in SCL Tender shall be considered to be technically qualified.

Evaluation of Price Bids :

The following elements shall be considered for evaluation of Price Bids:

- a. Price quoted by the bidder in the price bid template for meeting the functionalities given in the Tender and Technical Specifications sheet.
- b. Compliance with the Payment Terms prescribed in this tender document. In the event, the bidder offers Payment Terms stringent than SCL prescribed Payment Terms, the bid of the bidder shall be loaded based on MCLR of SBI prevailing on the date of opening of price bids.
- c. Item wise cost of recommended spares and consumables required for operation shall not be taken into account for evaluation of price bids.
- d. Post warranty comprehensive AMC charges per year and post-warranty on-site calibration service charges shall not be taken into account for evaluation of price bids.

Standard Terms and Conditions

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1. Definitions:

- a) The term Purchaser shall mean the Director, Semi-Conductor Laboratory or his successors or assignees.
- b) The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of stores is placed and shall be deemed to include the Contractors Successors, representatives, heirs, executors and administrators unless excluded by the Contract.
- c) The term Purchase Order shall mean the communication signed on behalf of the Purchaser by an officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the Tender or offer of the Contractor for supply of stores of plant, machinery, Software or equipment or part thereof .

d) The term Stores shall mean all that the Contractor agrees to supply under the Contract as specified in the Purchase Order including its installation, testing and commissioning as per the specifications.

2.PRICES:

Tenders offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotations with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variations.

3.DEMURRAGE:

Supplier shall bear demurrage charges, if any, incurred by the purchaser due to delayed presentation of shipping documents as prescribed in para 3.2 to the bankers within a reasonable time (say within 10-12 days) from the date of bill of lading for sea consignments and within 3-4 days from the date of Air Way Bill for air consignments.

4.GUARANTEED TIME DELIVERY:

The time for and the date of delivery stipulated in the Purchase Order shall be deemed to be the essence of the Contract. Delivery must be completed within the date specified therein.

5.INSPECTION AND ACCEPTANCE TEST:

5.1 The Purchasers representatives shall also be entitled at all reasonable times during manufacture to inspect, examine and test on the Contractors premises the material and workmanship of all stores to be supplied under this Contract and if part of the said stores is being manufactured on other premises, the Contractor shall obtain for the purchasers representative permission to inspect, examine and test as if the equipment were being manufactured on the Contractors premises. Such inspection, examination and testing shall not release the Contractor from the obligations under this Contract.

5.2 For tests on the premises of the Contractor or of any of his sub-Contractors, the Contractor shall provide free of cost assistance, labour, material, electricity, fuel and instruments as may be required or as may be reasonably needed by the purchasers representative to carry out the tests efficiently.

5.3 When the stores have passed the specified test, the purchasers representative shall furnish a certificate to the effect in writing to the Contractor. The Contractor shall provide copies of the test/s certificates to the purchaser as may be required.

6.PORT OF ENTRY:

New Delhi (for air shipment) / Nhava Sheva Mumbai (for sea shipment)

7.CONSIGNEE:

Purchase and Stores Officer, Stores,

8.SHIPPING MARKS.

The mark on the shipping documents such as invoice, bill of lading and on the packages should be as follow:

PURCHASE ORDER NO.

DATED

GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

SEMI-CONDUCTOR LABORATORY

DESTINATION:

PORT OF ENTRY:

9.CONTRACTORS DEFAULT LIABILITY:

The purchaser may upon written notice of default to the Contractor terminate the Contract in whole or in part in circumstances detailed hereunder:

a) If in the judgement of the Purchaser the Contractor fails to make delivery of Stores within the time specified in the Contract/agreement or within the period for which extension has been granted by the Purchaser to the Contractor.

b) If in the judgment of the Purchaser the Contractor fails to comply with any of the other provisions of this Contract.

10. In the event the Purchaser terminates the Contract in whole or in part as provided in Contractor Default Liability, the Purchaser reserves the right to Purchase, upon such terms and in such a manner as he may deem appropriate, stores similar to that terminated and the Contractor shall be liable to the Purchaser for any additional costs for such similar stores and/or for liquidated damages for delay as defined in LD Clause until such reasonable time as may be required for the final supply of stores.

10.1. If this Contract is terminated as provided in Clause Contractor Default Liability, the Purchaser in addition to any other rights provided in this Article, may require the Contractor to transfer title and deliver to the Purchaser under any of the following clauses in the manner and as directed by the Purchaser:

a. Any completed stores.

b. Such partially completed stores, drawing, information and Contract rights (hereinafter called manufacturing material) as the Contractor has specifically produced or acquired for the performance of the Contract as terminated. The Purchaser shall pay to the Contractor the Contract price for completed stores delivered to and accepted, by the purchaser and for manufacturing material delivered and accepted.

10.2 In the event the Purchaser does not terminate the Contract as provided in Contractor Default Liability, the Contractor shall continue the performance of the Contract in which case he shall be liable to the purchaser for liquidated damages for delay as set out in LD Clause until the stores are accepted.

11. REPLACEMENT:

If the stores or any portion thereof is damaged or lost during transit, the Purchaser shall give notice to the Contractor setting forth particulars of such stores damaged or lost during transit. The replacement of such stores shall be effected by the Contractor within a reasonable time to avoid unnecessary delay in the intended usage of the Stores. In case the purchaser agrees, the price towards replacement items shall be paid by the purchaser on the basis of original price quoted in the tender or as reasonably worked out from the tender.

12. REJECTION:

In the event that any of the stores supplied by the Contractor is found defective in material or workmanship or otherwise not in conformity with the requirements of the Contract specifications, the purchaser shall either reject the stores or request the Contractor, in writing, to rectify the same. The Contractor, on receipt of such notification, shall either rectify or replace the defective stores free of cost to the purchaser. If the Contractor fails to do so, the purchaser may at his option either “

a. replace or rectify such defective stores and recover the extra cost so involved from the Contractor,

or

b. terminate the Contract for default as provided under Contractor Default Liability, above,

or

c. acquire the defective stores at a reduced price considered equitable under the circumstances. The provision of this article shall not prejudice the Purchasers rights under LD Clause

13. EXTENSION OF TIME:

If the completion of supply of stores is delayed due to reason of force majeure such as acts of god, acts of public enemy, acts of Government, fires, floods, epidemics, quarantine restriction, strikes, freight embargoes, etc., the Contractor shall give notice within 15 days to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice after verification, if necessary, may agree to extend the Contract delivery date as may be reasonable but without prejudice to other terms and conditions of the Contract.

14. GUARANTEE AND REPLACEMENT:

a. The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down for material, workmanship and performance.

b. For a period of twenty four months after the acceptance of the stores, if any defects are discovered therein or any defects therein are found to have developed under proper use arising from faulty materials, design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 26 months from the date of acceptance thereof by the Purchaser who shall state in writing in what respect the stores or any parts thereof are faulty.

c. If in the opinion of the purchaser it becomes necessary to replace or renew any defective stores, such replacements or renewals shall be made by the Contractor free of all costs to the purchaser provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 26 months from the date of acceptance thereof.

d. Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.

e. The decision of the Purchaser, notwithstanding any prior approval or acceptance or inspection thereof on behalf of the purchaser, as to whether or not the stores supplied by the Contractor are defective or any defects has developed within the said period of 12 months or as to whether the nature of the defects requires renewal or replacement shall be final, conclusive and binding on the Contractor.

f. To fulfil guarantee conditions outlined in Guarantee and Replacement above, the Contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser - Bank Guarantee format enclosed) from a Bank approved by the purchaser for an amount equivalent to 10% of the value of the Contract along with first shipment documents. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.

g. All the replacement stores shall also be guaranteed for a period of 24 months from the date of arrival of stores at purchasers site.

h. Even while the 24 months guarantee applies to all stores, in case where a greater period is called for by our specifications, then such a specification shall apply, and in such cases, the period of 26 months referred to in Guarantee and Replacement shall be asked for guarantee period plus two months.

15. REQUIREMENT OF ADDITIONAL NUMBERS OF THE STORES/SPARE PARTS ORDERED:

The Contractor shall also undertake the supply of additional number of items covered by the order as considered necessary by the purchaser at a later date, the actual price to be paid shall be mutually agreed to after negotiations.

16. PACKING:

a. The Contractor wherever applicable shall pack and crate all stores for sea /air shipment as applicable in a manner suitable for export to a tropical humid climate, in accordance with internationally accepted export practices and in such a manner so as to protect it from damage and deterioration in transit by road, rail or sea for space qualified stores. The Contractors shall be responsible for all damages due to improper packing.

b. The Contractor shall ensure that each box / unit of shipment is legible and properly marked for correct identification. The failure to comply with this requirement shall make the Contractor liable for additional expenses involved.

c. The Contractor shall notify the purchaser of the date of shipment from the port of embarkation as well as the expected date of arrival of such shipment at the designated port of arrival.

d. The Contractor shall give complete shipment information concerning the weight, size, content of each packages, etc.

e. Transshipment of equipment shall not be permitted except with the written permission of the purchaser.

f. Apart from the despatch documents negotiated through Bank, the following documents shall also be airmailed to the purchaser within 7 days from the date of shipment by sea and within 3 days in case of air-consignments:

a. Commercial Bill of Lading / Air Way Bill / Post parcel Receipt (Two non-negotiable copies)

b. Invoice (3 copies)

c. Packing List (3 copies)

d. Test Certificate (3 copies)

e. Certificate of Origin. The Contractor shall also ensure that one copy of the packing list is enclosed in each case.

17. LANGUAGE AND MEASURES:

All documents pertaining to the Contract including specification, schedule, notice, correspondence, operating and maintenance instructions, drawings or any other writings shall be written in English language. The metric system of measurement shall be used exclusively in the Contract.

18. INDEMNITY:

The Contractor shall warrant and be deemed to have warranted that all Stores supplied against this Contract are free and clean of infringement of any patent, copyright or trade mark and shall at all times indemnify the purchaser against all claims which may be made in respect of stores for infringement of any right protected by Patent, Registration of design or Trade Mark, and shall take all risk of accident or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for the sufficiency of all the means used by him for the fulfilment of the Contract.

19. COUNTER TERMS AND CONDITIONS OF SUPPLIERS:

Where counter terms and conditions/printed or cyclostyled conditions have been offered by the supplier, the same shall not be deemed to have been accepted by the purchaser unless specific written acceptance thereof is obtained.

20. SECURITY INTEREST:

On each item to be delivered under this Contract, including an item of work in progress in respect of which payments have been made in accordance with the terms of the Contract, purchaser shall have a security interest in such items which shall be deemed to be released only at the time when the applicable deliverable item is finally accepted and delivered to the purchaser in accordance with the terms of the Contract. Such security interest of the purchaser shall constitute a prior charge as against any other charge or interest created in respect of such items by any entity.

21. TRAINING:

The Contractor shall, if required by the purchaser, provide facilities for the practical training of Purchasers engineering / technical personnel from India and for their active association on the manufacturing processes throughout the manufacturing period of the Contract / stores, number of such personnel to be mutually agreed upon.

22. RECOVERY OF SUM DUE:

Whenever any claim for the payment of, whether liquidated or not, money arising out of or under this Contract against the Contractor, the purchaser shall be entitled to recover such sum by appropriating in part or whole, the security deposited by the Contractor, if a security is taken against the Contract. In the event of the security being insufficient or if no security has been taken from the Contract or, then the balance or the total sum recoverable as the case may be shall be deducted from any sum then due or which at any time thereafter may become due to the Contractor under this or any other Contract with the purchaser. Should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the purchaser on demand the remaining balance due. Similarly, if the purchaser has or makes any claim, whether liquidated or not, against the Contractor under any other Contract with the purchaser, the payment of all moneys payable under the Contract to the Contractor including the security deposit shall be withheld till such claims of the purchaser are finally adjudicated upon and paid by the Contractor.

23. SECURITY FOR PURCHASE OF MATERIALS:

Successful tenderer will have to furnish in the form of a bank guarantee or any other form as called for by the purchaser towards adequate security for the materials and properties provided by the Purchaser for the due execution of the Contract.

Bid Templates

- Technical Specifications for Supply, Installation & commissioning of High Accuracy Measuring-Microscope

Item Specifications

Sl. No	Specifications	Compliance (Yes /No)	Offered Specifications	Remarks
1	1. SCOPE OF WORK:Vendor's scope of work shall cover supply, installation & commissioning of High Accuracy Measuring-Microscope as below:-a. Supply of High Accuracy Measurement Microscope as per SCL specifications.			
2	b. Supply of all support accessories for proper functioning of the equipment.			
3	c. Supply of all the auxiliary items like interconnect matching			

	<p>cables for electrical connections; interconnect fittings, vacuum line etc. as may be required to complete the installation and commissioning of the equipment.</p>			
4	<p>d. Vendor to provide utility requirements for the equipment as per Annexure-A (Attached in Technical Write-up/Drawings Template)</p>			
5	<p>e. Vendor to provide guidelines, if any, for preparation of installation site.</p>			
6	<p>f. Equipment will be uncrated and moved to the respective area(s) in presence of vendor's installation engineer / authorized representative.</p>			
7	<p>g. Installation of the equipment and support tools (if any), with the required utilities (to be</p>			

	supplied by SCL) and demonstrate the functionality of the equipment supplied, as per required specifications, at SCL site.			
8	h. Vendor to bring all necessary tools / instruments / special tools etc. that may be required for successful installation / commissioning / verification / acceptance of the equipment.			
9	i. Vendor to supply the installation drawings giving detailed information regarding port size & type for the utility connections wherever required.			
10	j. Vendor to provide on-site training to concerned SCL personnel on Operations, Maintenance & Troubleshooting of the equipment.			

11	k. It is not the intent of this document to completely specify all details of design and construction. Nevertheless the system shall conform in all respects to high standards of engineering, design and workmanship and shall be capable of performing the operations in a safe and efficient manner as per industry norms / codes.			
12	l. Any item not specifically mentioned in the specifications but required for safe and efficient operations of the equipment shall be deemed to be included in vendor's scope of work unless explicitly indicated in the bid by the vendor.			
13	2. ELIGIBILITY CRITERIA:a. The bidder shall have experience in the manufacture/			

	maintenance support of equipment.			
14	b. The equipment offered to be a standard system of the OEM and similar equipment (meeting the tender specifications or better) should have been supplied to Semiconductor Manufacturing / Packaging or R&D labs during the last seven (7) years for any of the application mentioned at Para 5 below.			
15	c. Vendor to provide list of such installations carried out by them during the last seven (7) years.			
16	3. TRAINING: Vendor to provide on-site hands-on training to concerned SCL personnel (including classroom training), during commissioning of the equipment, on operations / process, application software, related applications,			

	troubleshooting and preventive maintenance of the equipment supplied. The training shall be extensive enough so that quick diagnostics of problems and remedial action is possible at SCL.			
17	4. ACCEPTANCE PROCEDURE:a. Vendor to perform complete standard Acceptance Test Procedures (ATP) as per their equipment acceptance guidelines.			
18	b. SCL shall have the option of Pre-shipment inspection at vendor's premises or via live web demo.			
19	c. Vendor to provide reports of tests conducted at vendor's premises during pre-shipment inspection.			
20	d. Final acceptance, however, will be done			

	after installation and vendor to demonstrate, on site, the functionality of all parameters as per equipment's claimed specifications, besides performing their standard Acceptance Test Procedures.			
21	5. APPLICATION:High Accuracy Measuring Microscope is required for:a. Dimensional measurements of Precision Machined / Plastic Moulded Components.			
22	b. Semiconductor Die Level Inspection & Measurement.			
23	c. Inspection & Measurement of packages being used for various CMOS & MEMS devices.			
24	6. TECHNICAL SPECIFICATIONS:Following are the minimum			

	<p>acceptable specifications of the required equipment. Vendor to provide complete information, as required in various sections for proper evaluation of the system. Vendor has to provide clause-by-clause compliance, supported by relevant documents / brochures wherever required.</p> <p>a. Optical System:- Optical system to be infinity corrected.</p>			
25	<p>b. Observation Modes:- Bright-field, Dark-field, Differential Interference Contrast (DIC), Polarized Light Observation. All modules/accessories required for these observation modes are to be supplied by the vendor.</p>			
26	<p>c. Illumination Systems:- Reflected & Transmitted light source as required by all observation modes.</p>			

27	d. Observation Tube:- Trinocular tube with upright and un-reversed image.			
28	e. Eyepieces:- 10x magnification eyepieces (one with cross hair)			
29	f. Camera:- 3 megapixel color digital camera with 1x / 0.5x magnification camera mount, capable of capturing real time image in all observation modes.			
30	g. Focusing Method:- Motorized Z axis with laser autofocus (LAF), tracking focus and manual override.			

- Technical Specifications for Supply, Installation & commissioning of High Accuracy Measuring-Microscope (Conti.)

Item Specifications -I

Sl. No	Specifications	Compliance (Yes /No)	Offered Specifications	Remarks
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31	h. Work piece Height:- 125 mm.			
32	i. Nosepiece:- Min. 4 position manual / motorized nosepiece for mounting objectives compatible with all observation modes.			
33	j. Objectives:- Super long working distance, Plan Semi-apochromatic/ Apochromatic objective with 5x, 10x, 20x, 50x & 100x objectives. All objectives to have same parfocal length. Working distance to be:-i. Greater than 3 mm for 100x objective			
34	ii. Greater than 10 mm for all other objectives.			
35	k. X, Y Stage:- Stage with minimum travel of 250 mm x 150 mm. Vendor to provide removable rotary stage adapter.			

36	l. Measurement Accuracy:- Max. $\pm 10 \mu\text{m}$ for 250 mm measurement.			
37	m. Calibration:-i. Equipment to be factory calibrated. Vendor to provide traceable calibration certificate from an ISO/IEC 17025 (or equivalent) accredited calibration laboratory.			
38	ii. Vendor to conduct onsite calibration of the microscope during warranty period.			
39	iii. Vendor to share method and frequency of calibration required.			
40	n. Digital Counter Display & Measuring Resolution:- 3-axis digital counter display with 0.0001 mm resolution			
41	o. Anti-Vibration:- Equipment to have adequate mechanism for			

	vibration damping/ resistance to achieve claimed measurement accuracies.			
42	p. Accessories:- Vendor to provide accessories such as dust cover, stage micrometer, foot-switch, cleaning and maintenance kit required for optimum operation of the equipment.			
43	q. Clean Room Compatibility:- Equipment to be Clean Room Class 1000 compatible.			
44	r. PC:- PC with following minimum specification is to be supplied by the vendor along with communication cables.i. Latest generation i7 processor			
45	ii. Windows 10 Pro 64bit operating system			
46	iii. 16 GB RAM			

47	iv. Latest Generation 4GB graphics card			
48	v. 24" 4K (or better) Color Calibrated Monitor			
49	vi. 512 GB SSD with 2TB HDD			
50	vii. Standard Mouse and Keyboard			
51	s. Software:- Vendor to provide perpetual license of all software/s required for equipment operation, image capture and analysis. Software should be capable of:i. Microscope & camera control			
52	ii. Image viewing, acquisition, processing and archiving			
53	iii. Autofocus and extended focused images			
54	iv. 2D Measurement (distance, area, angle)			

55	v. Annotations in the image			
56	vi. Report generation			
57	7. WARRANTY:-Vendor to provide a comprehensive part and labor warranty for a period of 24 months after acceptance of the system at SCL. Vendor to guarantee 95% uptime for the tool based on 24 hours working, 7 days a week. Vendor to give two preventive maintenance visits in the warranty period of the tool.			
58	8. POST WARRANTY SYSTEM SUPPORT:-Vendor to confirm spares and maintenance support for 10 years post warranty period. Vendor to quote separately for post-warranty 'labor-only' AMC charges per year and post-warranty on-site calibration service			

	charges.			
59	9. RECOMMENDED SPARES AND CONSUMABLES:-Vendor to provide separate itemized list and price for recommended essential spares and consumables which may be required for meeting the essential above stated tool uptime.			
60	10. SAFETY:-a. The equipment to be compliant with applicable industrial safety standards.			

- Technical Specifications for Supply, Installation & commissioning of High Accuracy Measuring-Microscope (Conti.)

Item Specifications -II

Sl. No	Specifications	Compliance (Yes /No)	Offered Specifications	Remarks
61	b. Equipment to be laser safety standard Class 1 compliant as per IEC 60825-1 (or equivalent			

	standard).			
62	c. Appropriate safety mechanism shall be provided for operator safety. Vendor to provide the details.			
63	d. Fitted with all necessary safety interlocks (Hardware and software) for safe operation.			
64	11. TECHNICAL DOCUMENTATION Vendor to supply technical documentation (in English language) containing, but not limited to, the following:-a. Factory acceptance test report.			
65	b. User Manuals.			
66	c. System Hardware / Software manuals.			
67	d. Maintenance / Diagnostic / Troubleshooting manuals including schematics, Circuit diagram (Electrical			

	& Plumbing) along with Parts for all spares.			
68	e. OEM system / subsystem / accessories manuals.			
69	f. Vendor to supply all additional information such as application development notes, paper published / process information etc. related to the system.			
70	12. DOCUMENTS CHECK LIST Supplier shall furnish following details / documents in their technical bid (Part 1 of Bid):-a. List of items along with make and model number.			
71	b. Catalogs, leaflets, brochures, application notes etc. for all the major components and equipment's used.			
72	c. MTBF values of the			

	components/ equipments proposed.			
73	d. Un-priced commercial bid.			
74	e. Itemized list for recommended essential spares and consumables.			

Vendor Specified Terms

Description	Vendor Terms
<p>1. Delivery Terms:</p> <p>For imported stores, prices shall be quoted on FOB/FCA nearest International/Gateway airport basis inclusive of all taxes, levies, duties arising in the tenderer country.</p> <p>For Indigenous stores, prices shall be quoted on F.O.R. destination basis i.e. SCL, S.A.S. Nagar, Mohali, Punjab exclusive of GST as may be applicable.</p>	
<p>2. GST:</p> <p>Purchaser is entitled to concessional CGST of 2.5 % and IGST of 5 % as per Ministry of Finance, Department of Revenue, Notification Nos. 45/2017 Central Tax (Rate) and 47/2017 Integrated Tax (Rate) both dated</p>	

<p>14th November, 2017 respectively and would accordingly issue Exemption Certificate in favour of the contractor quoting in Indian Rupees. The bidder should take note of the same while quoting the prices in Indian Rupees.</p>	
<p>3. For imported materials, Purchaser is entitled to issue Customs duty exemption certificate (CDEC) to the contractor under customs notification no.51/96 dated 23.07.1996 and subsequent amendments to enable the contractor to avail off the benefit of concessional rate of customs duty under this notification. CVD under this notification is nil. In addition to the above CDEC, any documentary support requested by the contractor from the purchaser for customs clearance of goods against the above CDEC shall be provided by the purchaser. (Purchaser will provide Customs Duty Exemption Certificate in case of Import Orders/ imported supplies/ High Sea Sales).</p>	
<p>4. Delivery Period: The contractor shall specify their best delivery period inclusive of all Govt. formalities of the exporting country.</p>	
<p>5. Liquidated Damages (LD): If the Contractor fails to deliver the stores within the time specified in the contract or any extension thereof, the purchaser shall recover from the Contractor as liquidated damages a sum of one-half of one percent (0.5 percent) of the Contract price of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed</p>	

<p>ten percent (10 percent) of the Contract price.</p>	
<p>6. Security Deposit (SD):</p> <p>On acceptance of the tender, the Contractor shall submit security deposit for ten percent (10 percent) value of the Purchase Order (PO) within 15 days from the date of PO towards successful execution of the PO. Security Deposit shall be submitted through Demand Draft/Bankers Cheque/fixed deposit receipt or Bank Guarantee from any of the Scheduled Banks executed on non-judicial stamp paper of appropriate value, and shall be valid for a period of sixty (60) days beyond the date for completion of the Purchase Order.</p> <p>(This will be returned by SCL immediately on execution of the PO satisfactorily as per order terms. If not, the amount will be forfeited).</p> <p>Central PSUs/PSEs/PSEs/Autonomous Bodies/MSEs shall be exempted from the payment of Security Deposit, and instead, an Indemnity Bond shall be secured from them in lieu of the Security Deposit.</p>	
<p>7. Terms of Payment in case of overseas supplier(s):</p> <p>Being a Department of the Government of India, the normal terms of payment are by Sight Draft. The payment shall be remitted as Under:</p> <p>90% of the PO value shall be paid within 30 days of receipt of material at Purchaser site against presentation of shipping documents to SCL banker routed through contractor bank and the balance 10% amount shall be payable on successful installation, commissioning and</p>	

<p>acceptance of the entire project at Purchasers site against a Performance Bank Guarantee.</p> <p>In the event of the contractor not being able to provide the Performance Bank Guarantee the payment of balance 10% amount shall be made after the expiry of the warranty period.</p> <p>All bank charges outside India related to the payment shall be borne by the Contractor and all bank charges in India shall be borne by the purchaser.</p> <p>Indian agent remuneration/service charge shall be payable by the Purchaser directly to the Indian agent in Indian Rupees based on T.T buying rate of exchange prevailing on the date of placement of purchase order within 30 days of acceptance of material at purchaser site.</p>	
<p>8. Terms of payment in case of indigenous supplier(S):</p> <p>The payment shall be remitted as under:</p> <p>90% of the PO value shall be paid within 30 days of the receipt of the materials at purchaser site and the balance 10% amount shall be payable on successful installation, commissioning and acceptance of the entire project at Purchasers site against a Performance Bank Guarantee.</p> <p>In the event of the contractor not being able to provide the Performance Bank Guarantee the payment of balance 10% amount shall be made after the expiry of the warranty period.</p>	

<p>9. Performance Bank Guarantee (PBG):</p> <p>The Contractor shall furnish a Bank Guarantee (as per format given by purchaser) from any nationalized/scheduled bank for an amount equivalent to 10% of the value of the Contract and shall be valid for a period of 60 days beyond the expiry date of warranty period. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.</p>	
<p>10. Warranty:</p> <p>Vendor to provide a comprehensive part and labor warranty for a period of 24 months after acceptance of the system at SCL. Vendor to guarantee 95 percent uptime for the tool based on 24 hours working, 7 days a week. Vendor to give two preventive maintenance visits in the warranty period of the tool.</p>	
<p>11. Warranty Replacements:</p> <p>If in the opinion of the purchaser it becomes necessary to replace or repair defective equipment during the warranty period, such replacement or repair shall be made by the Contractor free of all costs to the Purchaser provided the notice informing the Contractor of the defect is given by the Purchaser in this regard, within period of 26 months from the date of acceptance thereof.</p> <p>All replacement parts during the warranty period shall be supplied by</p>	

<p>the Contractor, free of cost on DDP (Delivery Duty Paid) basis with freight and insurance upto Purchaser site at S.A.S. Nagar, Punjab and customs duty applicable in India to the Contractor account including compliance with the customs procedure in India. The indigenous replacement parts, if any, shall be supplied by the Contractor free of cost on F.O.R. Purchaser site at SAS Nagar, Punjab basis.</p> <p>All defective parts including the imported parts shall be returned by Purchaser to the Contractor, if requested, on Freight to pay basis.</p>	
<p>12.Replacement:</p> <p>If the stores or any portion thereof is damaged or lost during transit, the Purchaser shall give notice to the Contractor setting forth particulars of such stores damaged or lost during transit. The replacement of such stores shall be effected by the contractor within a reasonable time to avoid unnecessary delay in the intended usage of the Stores. In case the purchaser agrees, the price towards replacement items shall be paid by the purchaser on the basis of original price quoted in the tender or as reasonably worked out from the tender.</p>	
<p>13. Post Warranty System Support:</p> <p>Vendor to confirm spares and maintenance support for 10 years post warranty period. Vendor to quote separately for post-warranty labor only AMC charges per year and post warranty on site calibration</p>	

<p>service charges.</p>	
<p>14. Recommended Spares and Consumables:</p> <p>Vendor to provide separate itemized list and price for recommended essential spares and consumables which may be required for meeting the essential above stated tool uptime.</p>	
<p>15. Validity:</p> <p>The offer should be valid for a minimum period of 120 from the date of opening of Tehno Commercial bid and 90 days after opening of Price Bid.</p>	
<p>16. Installation and Commissioning:</p> <p>Installation, commissioning, and demonstration of performance of the tendered stores as per Purchaser tendered specifications shall be carried out by the Contractor at Purchaser's site at S.A.S. Nagar, Punjab, India.</p> <p>The contractor shall provide in advance guidelines for preparation of installation site and list of items to be supplied by Purchaser during installation.</p> <p>On receipt of intimation from the Purchaser, the Contractor shall depute its engineer to the Purchaser site within two weeks to carry out</p>	

<p>installation and commissioning and will demonstrate the functionality of the tendered equipment to Purchaser specifications as per mutually agreed acceptance procedure. The Contractor shall be responsible for any loss/damages sustained due to delay on the part of the Contractor to send its engineer for installation and commissioning.</p> <p>Failure to commission the tendered equipment successfully shall entitle Purchaser to full refund of the payment made and the interest thereon. Decision regarding successful installation and commissioning shall rest solely with the Purchaser.</p>	
<p>17. Mode of Despatch:</p> <p>In case of foreign orders, stores should be despatched by Indian Flag Vessels/Air India or through any Agency nominated by us whose contact details shall be indicated in the purchase order.</p>	
<p>18. Insurance of Stores:</p> <p>Insurance wherever necessary, will be arranged by the Purchaser. The necessity or otherwise of insurance will be as indicated in the Purchase Order/Contract.</p>	
<p>19. Packing & Forwarding:</p> <p>The Contractor shall pack and crate all stores for air/sea/road shipment as applicable in a manner suitable for export to a tropical</p>	

<p>humid climate, in accordance with internationally accepted export practices and in such a manner so as to protect it from damage and deterioration in transit by road, rail, air or sea. The Contractors shall be responsible for all damages due to improper packing.</p>	
<p>20. Arbitration:</p> <p>In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and application of the Contract, such dispute/s or difference/s or claim/s shall be settled amicably by mutual consultations of the good Offices of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. The arbitration shall be conducted in New Delhi in the Arbitration and Conciliation Centre New Delhi (Domestic and International) as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only.</p> <p>Work under the Contract shall be continued by the CONTRACTOR during the pendency of arbitration proceedings, without prejudice to a final adjustment in accordance with the decision of the Arbitrator</p>	

unless otherwise directed in writing by the DEPARTMENT or unless the matter is such that the works cannot be possibly continued until the decision (whether final or interim) of the Arbitrator is obtained.	
21. Applicable Law: The Contract shall be interpreted, construed and governed by the laws of India.	
22. Address if Indian Agent, if any:	
23. Any Other Term:	

Supporting Documents from Vendor

Attachment - I:

Attachment - II:

Price Bid Form

Item Description	Slab Range	Qty	UOM	Currency	Unit Price	Total Price
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High Accuracy Measuring Microscope Item Code 300517367	-	2	No.	-	-	-
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Break-up of other taxes and other costs should be specified in respective narration columns.

Sum of these Break-up values should be specified in respective value columns.