SEMI-CONDUCTOR LABORATORY
Ministry of Electronics and Information Technology
Government of India
Sector 72, S.A.S. Nagar – 160 071, Punjab, India
Phone: 0091 172 2296100/200/300/400 (Ext. 6169)
Fax: 0091 172 2237410
E-mail: naresh@scl.gov.in

INVITATION TO TENDER NO.: 45154

E-tender /Online bid is invited for **Supply of ESD** and **LATCH UP TESTER** in accordance with the purchaser's tender specifications. The invitation to tender, tendering conditions, general conditions of contract, special conditions of contract and additional conditions of contract, if any, which will govern the contract pursuant to tender are attached.

Bidders interested to submit bid are requested to go through the contents of this document and ensure that the bid is submitted online on or before the due date and time indicated in NIT and as per technical specifications and terms and condition indicated herein.

Please note all bid related documents scanned copy is to be submitted on the online portal, only EMD Demand draft has to reach physical on mentioned address. (If applicable)

PSO

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Tender Document

For

Supply of ESD and LATCH UP TESTER
TENDER NO.: 45154

TENDER INVITING AUTHORITY

SEMI-CONDUCTOR LABORATORY

MINISRTY OF ELECTRONICS AND INFORMATION TECHNOLOGY

GOVERNMENT OF INDIA

SECTOR 72, SAS NAGAR MOHALI

PUNJAB – 160 071

Mr. Naresh Singh

PSO

Direct - 0172-2296169

Email: naresh@scl.gov.in

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Tender Document

TENDER NO.: 45154

Subject: ESD and LATCH UP TESTER

We intend to procure as per details given below:

Sr. no	SCL Material Code	Item Description and Specification	Qty. (Nos.)
1	300518217	ESD and LATCH UP TESTER	1

Kindly submit your quotation online as per tender schedule.

Note:

- Tender details may be viewed and downloaded from the website. https://eprocure.gov.in/eprocure/app
- The bids have to be submitted online in electronic form on www.eprocure.gov.in only. No physical bids will be accepted.
- For any queries please mail us at naresh@scl.gov.in , vmehta@scl.gov.in Contact No. 0172-296169/2296175

TENDER NO.: 45154

Online bid invited for and on behalf of SCL, S.A.S Nagar, Punjab

Interested parties may view and download the tender document containing the detailed terms & conditions from the website https://eprocure.gov.in/eprocure/app

(The bids have to be submitted online in electronic form on www.eprocure.gov.in only. No physical bids will be accepted

Terms and Conditions:

1. SCL reserves the right of accepting or rejecting any quotations without assigning any reason thereof.
2. Samples, if called for, shall be submitted free of charge and with no obligation to SCL basis.
3. This is only an enquiry and not a purchase order.
4. The Purchaser reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.
5. The Purchaser reserves the right to accept or reject any bid, and to amend the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders.

Filled up response fully stamped and signed by authorized bidder to be scanned and uploaded

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

Date: ___________

To,

____

____

____

Sub: Acceptance of Terms Conditions of Tender.

Tender Reference No: __________________

Name of Tender / Work:-____

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: ____ as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(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 has also 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 totality /entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public Sector Undertaking.

6. I / We certify that all information furnished by our Firm is true correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

INSTRUCTION FOR ONLINE BID SUBMISSION

The bidders are required to submit softcopies of their bids electronically on the Central Public Procurement (CPP) Portal i.e. https://eprocure.gov.in/eprocure/app, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

REGISTRATION

(i) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:https://eprocure.gov.in/eprocure/app) by clicking on the link "Online Bidder Enrolment" option available on the home page.

(ii) **Enrolment on the CPP Portal is free of charge.**

(iii) During enrolment/registration, the bidders should provide the correct/true information including valid email-id & mobile no. All the correspondence shall be made directly with the contractors/bidders through email-id provided.

(iv) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

(v) Any bidder from a country which shares a land borders with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority as mentioned in the GFR 2017 Rule 144(xi).

(vi) For e-tendering possession of valid Digital Signature Certificate (Class III Certificates with signing key usage) is mandatory which can be obtained from SIFY /nCode/eMudra or any Certifying Authority recognized by CCA India on e-Token/Smartcard.

(vii) Upon enrolment on CPP Portal for e-tendering, the bidders shall register their valid Digital Signature Certificate with their profile.

(viii) Only one valid DSC should be registered by a bidder. Bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse and should ensure safety of the same.

(ix) Bidders can login to the site through the secured login by entering their user ID/password and the password of the DSC/ e-Token.

SEARCHING FOR TENDER DOCUMENTS

1) There are various search options built in the CPP Portal to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords, etc., to search for a tender published on the CPP Portal.

2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS:

(i) For preparation of bid, Bidders shall search the tender from published tender list available on site and download the complete tender document and should take into account corrigendum if any published before submitting their bids.

After selecting the tender document same shall be moved to the 'My favorite' folder of bidders account from where bidder can view all the details of the tender document.

(ii) Bidder shall go through the tender document carefully to understand the documents required to be submitted as part of the bid. Bidders shall note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

(iii) Any pre-bid clarifications if required, then same may be obtained on line through the tender site, or through the contact details given in the tender document.

(iv) Bidders should get ready in advance the bid documents in the required format (PDF/xls/rar/dwf/jpg formats) to be submitted as indicated in the tender document/schedule.

(v) Bidders can update well in advance, the documents such as experience certificates, annual report, PAN, EPF & other details etc., under "My Space/ Other Important Document" option, which can be submitted as per tender requirements. This will facilitate the bid submission process faster by reducing upload time of bids.

SUBMISSION OF BIDS:

(i) Bidder should log into the site well in advance for bid submission so that he/ she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay.

(ii) Bidder should prepare the EMD as per the instructions specified in the NIT/tender document. The details of the DD/BC/BG/ others physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

(iii) While submitting the bids online, the bidder shall read the terms & conditions (of CPP portal) and accepts the same in order to proceed further to submit their bid.

(iv) Bidders shall select the payment option as offline to pay the EMD and enter details of the DD/BC/BG/others.

(v) Bidder shall digitally sign and upload the required bid documents one by one as indicated in the tender document.

(vi) Bidders shall note that the very act of using DSC for downloading the tender document and uploading their offers is deemed to be a confirmation that they have read all sections and pages of the tender document without any exception and have understood the complete tender document and are clear about the requirements of the tender document.

(vii) **If price quotes are required in XLS format, utmost care shall be taken for uploading Schedule of quantities & Prices and any change/modification of the price schedule shall render it unfit for bidding.**

Bidders shall download the Schedule of Quantities & Prices i.e. Schedule-A, in XLS format and save it without changing the name of the file. Bidder shall quote their rate in figures in the appropriate cells, thereafter save and upload the file in financial bid cover (Price bid) only.

If the template of Schedule of Quantities & Prices file is found to be modified/corrupted in the eventuality by the bidder, the bid will be rejected and EMD if any shall be forfeited.

(viii) Bidders shall submit their bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). **The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour**.

(ix) After the bid submission **(i.e. after Clicking "Freeze Bid Submission" i**n the portal), the bidders shall **take print out of system generated acknowledgement** number and keep it as a record of evidence for online submission of bid, which will also act as an entry pass to participate in the bid opening.

(x) Bidders should follow the server time being displayed on bidder's dash board at the top of the tender site, which shall be considered valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system.

(xi) All the documents being submitted by the bidders would be encrypted using PKI (Public Key Infrastructure) encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology.

ASSISTANCE TO BIDDERS:

(i) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority as per e-mail ID given in the tender.

(ii) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24X7 CPP Portal Helpdesk. The 24 x 7 Help Desk Number 0120- 4200462, 0120-4001002 and 0120-4001005. The helpdesk email id is **support-eproc@nic.in**

INSTRUCTION FOR e-PROCUREMENT

1. PREPARATION AND SUBMISSION OF BIDS:

a. The detailed tender documents may be downloaded from https://eprocure.gov.in/eprocure/app till the last date of submission of tender. The Tender may be submitted online through CPP Portal https://eprocure.gov.in/eprocure/app

b. The bidder should submit the bid online in **two part** viz. Technical Bid and Financial Bid. Technical Bid and Financial Bid should be uploaded online in separately.

2. SUBMISSION OF THE BID : All interested eligible bidders are requested to submit their bids online on CPP Portal: https://eprocure.gov.in/eprocure/app as per the criteria given in this document:

a. **Technical Bid and Financial Bid should be uploaded online separately.**

b. **Both Technical and Financial Bid cover should be placed online on the CPPP separately.**

c. Portal (https://eprocure.gov.in/eprocure/app).

3. TECHNICAL BID: Signed and Scanned copies of the Technical bid documents as under must be submitted online on CPP Portal: https://eprocure.gov.in/eprocure/app.

a) **List of Documents to be scanned and uploaded (Under Cover-1) within the period of bid submission**: -

i. Scanned copy of Bank details. (Bank details of principal supplier in case of Import shipments)

ii. Scanned copy of certificate of GST. (GSTIN of Indian Agent in case of Import Shipments) (Not applicable in case of foreign vendor)

iii. Scan copy of tender acceptance letter.

iv. Scanned copy of specifications or brochures (if any).

v. Scanned copy of other document mentioned in tender document (if any)

b) **For Import Shipments – Shipping Terms Ex-Works/FOB**

international airport basis.

4. Financial Bid

a. In preparing the financial bids, bidders are expected to take into account the requirements and conditions laid down in this Tender document. The financial bids should be uploaded online as per the specified **".Xls"** format i.e. Price Bid Excel sheet attached as **'.Xls'** with the tender and based on the scope of work/Specifications, service conditions and other terms of the Tender document. It should include all costs associated with the Terms of Reference/Scope of Work/Specifications of the assignment.

5. Last Date for Submission of Tender:

a. Online bids complete in all respects, must be submitted **on or before** the last date and time specified in the schedule of events.

b. TIA may, at its own discretion, alter/extend the last date for submission of tender.

6. Bid Validity

a. All the Bids must be valid for a period of 120 day's from the last date of submission of the tender for execution of Contract. However, the quoted rates should be valid for the initial/ extended period of the Contract from the effective date of the Contract. No request will be considered for price revision during the original Contract period.

b. A bid valid for a shorter period shall be declared as non-responsive.

c. In exceptional circumstances, prior to expiry of the original time limit, SCL, Mohali may request the bidders to extend the period of validity for a specified additional period beyond the original validity of 120 days. The request and the bidders' responses shall be made in writing. The bidders, not agreeing for such extensions will be allowed to withdraw their bids without forfeiture of their Bid Security.

7. Modification / Substitution/ Withdrawal of bids:

a. No Bid shall be modified, substituted or withdrawn by the Bidder after the Bid's due Date.

b. Any alteration/ modification in the Bid or additional information supplied subsequent to the Bid's due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.

8. **Rejection of the Bid**: The bid submitted shall become invalid and tender fee shall not be refunded if:-

a. The bidder is found ineligible.
b. The bidder does not upload all the documents as stipulated in the bid document.

The bidders are required to submit soft copies of their bids electronically on the Central Public Procurement (CPP) Portal i.e. https://eprocure.gov.in/eprocure/app, using valid Digital Signature Certificates (DSC). The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

1. **Earnest Money Deposit (EMD):**
    a. Bidders are required to submit offers along with prescribed Earnest Money Deposit (EMD) amount of Rs.5,00,000.00 (Five Lakh only) as per details in the tender. EMD instrument in original should be sent in a sealed cover with a covering letter quoting tender number and same must reach us prior to due date of tender. The scanned copy of EMD instrument should be attached online with the tender.
    b. Central PSUs/PSEs/Autonomous Bodies, Micro and Small Enterprises (MSEs) having valid registration with MSME or NSIC or Udyog Aadhaar, Khadi and Village Industries Commission (KVIC), National Small Industries Corporation, produced and provided by MSE and startups recognized by Department of Industrial Policy & Promotion (DIPP) etc., shall be exempted from the payment of EMD. Bidders seeking exemption from payment of EMD shall submit necessary proof of relevant documents etc.
    c. **Indian agent/Indian counterpart submitting bid on behalf of foreign principal shall not be exempted for submitting EMD.**
    d. **MSME submitting bid on behalf of foreign vendor shall not be exempted for submitting EMD.**
    e. The bid submitted by vendor without EMD will not be considered.
    f. EMD shall be submitted in a single installment through Demand Draft/Bankers Cheque/Fixed Deposit Receipts or Bank Guarantee in favour of Semi-Conductor Laboratory from any of the Scheduled Banks executed on non-judicial stamp paper of appropriate value. In case of fixed deposit receipt /bank guarantee, it shall be valid for a period of 45 days beyond the final tender validity date. EMD shall be interest free.
    g. Vendors/firms name and tender no. shall be indicated on the reverse side of the EMD instrument.
    h. EMD instrument should not be dated prior to the date of tender.
    i. SCL will not be responsible for non-receipt of EMD instrument due to postal delay / loss in transit.
    j. Any tender not accompanied with EMD shall be treated as invalid tender and rejected.
    k. EMD of a bidder shall be forfeited if the tenderer/Contractor withdraws or amends his tender or deviates from the tender in any respect within the period of validity of the tender. Failure to furnish security deposit/performance bond by a successful vendor within the specified period shall also result in forfeiture of EMD.
    l. EMD shall be refunded to all the unsuccessful bidders within thirty

(30) days after placement of the Purchase Order. EMD shall be refunded to the successful tenderer/Contractor after payment of the Security Deposit or may be adjusted against the Security Deposit. EMD shall be refunded to all the participants in cases where the tender is cancelled or withdrawn by the purchaser, within thirty days from the date of such cancellation or withdrawal.

2. **This being a two part (Cover) tender i.e. technical and financial part separate, the Technical part should not contain Pricing information of the Tendered stores. The tenders containing Price details of the Tendered stores in Technical Part (Cover-1) will be summarily rejected. Prices should be indicated in the Financial Part (Cover -2) only.**
3. Request for the extension of the due date will not be considered.
4. 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.
5. 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.
6. 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.
7. SCL reserves the right to exclude the bidder from procurement process who have not agreed to furnish Security Deposit and Performance Bank Guarantee as sought vide this tender.
8. In case the bidder gives shorter validity than the period specified in the tender enquiry. SCL reserves the right to exclude the bidder from procurement process.
9. Late tenders, delayed tenders, fax quotations and e-mail quotations are not considered. Only tender submitted through CPP Portal shall be considered.
10. SCL reserves the right to verify all claims made by the bidder.
11. SCL reserves the right to change any milestone date of the tendering activity / tender schedule.
12. Tender which is not submitted as per the of instructions mentioned herein is liable to be rejected.
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 wherever required 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 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.
25. 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 without 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.

26. The contractor/supplier shall indemnify the purchaser against Workmen Compensation Act.
27. The authority of the person submitting the tender, if called for, should be produced.

PROCEDURE FOR EVALUATION OF TENDERS:

Technical Evaluation Criteria:

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

Evaluation of Financial Bids:

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

a. Price quoted by the bidder in the price bid template is for meeting the functionalities given in the Tender and Technical Specifications sheet.
b. In case quotations are submitted in foreign currencies, during preparation of price tabulation, Foreign Exchange (FE) conversion rate vis-a-vis Indian currency (INR) will be worked out on the basis of FE TT selling rate prevailing on the day of opening of technical bids.
c. 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 as per prime lending rate of Reserve Bank of India (RBI) and added to the landed cost.
d. In the event of the bidder requiring SCL to bear bank charges outside India (foreign bank charges), the bidders bid shall be loaded suitably on the quoted price towards bank charges outside India.
e. In case, the price quoted is FCA/FOB/Ex-works, the charges towards Freight as quoted or a maximum of 5% of price quoted, Customs Duty taxes as applicable shall be taken into account to arrive landed cost.
f. Comparison between Indigenous Imported Offers: If both indigenous offers and imported offers are to be compared, 2% of the total landed cost of foreign offers shall be added towards charges for Customs clearance and local transportation for delivery at SCL.

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Commercial Terms Conditions to Tender Ref. No. 45154

Filled up response fully stamped and signed by authorized bidder to be scanned and uploaded in Technical part Cover-1 only

Sr.no	Description	Vendor's Compliance
1.	**DEFINITIONS:** The term PURCHASER shall mean Semi-Conductor Laboratory, Sector-72, Mohali, Punjab 160071, under the administrative control of MEITY, Government of India. 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, representative, heirs, executors and administrators unless excluded by the Contract. The term STORES shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants machinery and subsequent testing, should such a condition is included in the Purchase Order. 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 or plant, machinery or equipment or part thereof.	
2.	Being a **Two Part** Tender Technical and Commercial part are separate. **The Technical part (Cover-1) should not contain any Pricing information.** **The tenders containing Price details in Technical part (Cover-1) will be summarily rejected.** **The prices should be quoted in Price-Bid Form BOQ and to be uploaded in BOQ-Commercial (Cover-2) only.**	
3.	The Vendor / Contractor shall confirm that they have submitted the offer for NEW Items only.	
4.	**Compliance/acceptance to :** I. Specifications attached as Annexure-1 (Material Specifications) II. Tender Acceptance Letter. III. BOQ in xls. and as well as signed, stamped and scanned copy. IV. The bids have to be submitted online in electronic form on www.eprocure.gov.in only. V. No physical bids will be accepted.	
5.	**Earnest Money Deposit (EMD):** Bidders are required to submit offers along with prescribed Earnest Money Deposit (EMD) amount of Rs.5,00,000.00 (Five Lakh only) as per details in the tender. EMD instrument in original should be sent in a sealed cover with a covering letter quoting tender number and same must reach us prior	

	to due date of tender. The scanned copy of EMD instrument should be attached online with the tender	
6.	**Validity of Bid:** 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.	
7.	**Delivery Terms (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.	
8.	**Export Formalities, Taxes & Duties:** Any export approvals/Govt. clearances required, Taxes and duties as per laws of the exporting country shall be the responsibility of Vendor. Any Govt. formalities/ Clearances required, Taxes and duties etc. payable as per Indian Laws shall be PURCHASERS responsibility.	
9.	**Delivery Terms (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.	
10.	**For imported materials:** Vendors, who are offering the delivery term as High Sea Sales/DDP/FOR basis, please note that 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, basic Customs Duty shall be applicable at the rate 5.5 percent plus GST as applicable. 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).	
11.	**Goods and Service Tax (GST:** GST shall be payable extra as applicable. Please mention percentage of applicable GST along with HSN Code in your response.	

12.	**Security Deposit (SD):** On acceptance of the tender, the Vendor shall submit security deposit for three percent (3% percent) value of the Purchase Order (PO) within15 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 till execution of PO and should remain valid for a period of sixty (60) days beyond the date for completion of the Purchase Order. This will be returned by SCL immediately on execution of the PO satisfactorily as per order terms. If not, the amount will be forfeited. **Note:** In case, Security Deposit is submitted in the form of Bank Guarantee (BG) and Issuing Bank utilizes SFMS (Structured Financial Messaging Solution) Gateway for issuing the BG in favour of SCL and mention IFSC code of SCL banker i.e. State Bank of India, SBIN00061229, genuineness of the BG will be verified by SCL's banker by checking into SFMS gateway. In case, Security Deposit is submitted in the form of Bank Guarantee (BG) and Issuing Bank not utilizes SFMS (Structured Financial Messaging Solution) Gateway for issuing the BG, Vendor to ensure that Banker gives Bank Guarantee (BG) confirmation over email from their Domain immediately after issuance of the same at the following email Ids followed by hard copy: sunitagaur@scl.gov.in CC: naresh@scl.go.in and vmehta@scl.gov.in In addition, the banker may send a scanned copy of the BG as an attachment.	
13.	**Terms of Payment in case of overseas supplier(s):** 100% payment shall be made through SIGHT DRAFT after shipment. Vendor is requested to send the original documents (i.e Invoice, Packing List, AWB or BL etc.) to PURCHASER BANKER routed through VENDOR BANK for payment at the following address: State Bank of India(61229) Semi-Conductor Laboratory Sector 72, Mohali, Punjab - 160071, INDIA.	
14.	**Bank Charges:** 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.	
15.	**Terms of payment in case of Indigenous supplier(S):** 100% payment shall be made for the accepted stores with 30 days from the date of receipt and acceptance of the materials at SCL.	
16.	**Delivery Period:** The vendor shall specify their best minimum delivery period inclusive of all Govt. formalities of the exporting country.	
17.	**Delay in Completion/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 undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed ten percent (10 percent) of the Contract price of the unit or units so delayed.	
18.	**Warranty:** **(i)** Vendor to provide comprehensive parts and labor warranty for a period of 24 months, after commissioning and acceptance of the system at SCL. **(ii)** Vendor to guarantee 90% uptime for the tool based on 24 hours working, 7 days a week. **(iii)** Vendor to give minimum two preventive maintenance visit including Calibration (Annually) in the Warranty Period. **(iv)** Vendor shall provide all consumables parts/ maintenance kits/boards required for maintenance during the warranty period. Vendor shall bring all the boards/equipment necessary for maintenance and calibration of the system during the warranty period. Vendor shall bear all cost for maintenance and calibration including duties/taxes, to and fro transportation, etc.	
19.	**POST WARRANTY SERVICE/ SUPPORT:** Vendor shall guarantee to provide maintenance support including spares and consumables for at-least 10 years after the expiry of warranty period.	
20.	**Performance Bank Guarantee:** The Contractor shall furnish a Bank Guarantee (as per format given by purchaser) from any nationalized/scheduled bank for an amount equivalent to 3.00% 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. In case Performance Bank Guarantee is submitted in the form of Bank Guarantee (BG), after the issue of BG, the issuing bank shall communicate the genuineness of BG through e-mail from banks domain to sunitagaur@scl.gov.in and copy to naresh@scl.gov.in followed by a hard copy to Madam Sunita Gaur, Accounts Officer, Semi-Conductor Laboratory, Sector - 72, Mohali - 160071 and copy to Shri Naresh Singh, Purchase & Stores Officer, Semi-Conductor Laboratory, Sector -72, Mohali-160071.	
21.	**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.	

22.	**Despatch of stores after expiry of delivery period**: **i.** After expiry of the delivery period, the vendor should not despatch the stores till such time an extension in delivery period is granted by the Purchaser, and Purchaser reserves the right to cancel the Purchase Order/Contract when the ordered stores items are not received before expiry of the original delivery period or the extended delivery period. **ii.** In case the stores are dispatched by the vendor before obtaining an extension of the delivery period from the Purchaser, he would be doing so at his risk and no claim for payment shall lie against the Purchaser either in respect of the cost of the stores despatched or any other related expenses which the vendor may have incurred. **iii**. In case the stores are required by the Purchaser even though they are delivered after the delivery period, the delivery date may be extended and the stores taken delivery off, subject to the right to claim damages for delay in supply. **iv.** The payment shall be made to the vendor after getting necessary amendment as per clause **(iii)** above.	
23.	**Mode of Despatch:** **(i)** **Overseas Supplier,** stores should be despatched by Indian Flag Vessels/Air India or through any Agency nominated by SCL whose contact details shall be indicated in the pur chase order. **(ii)** **Indigenous orders**: Vendor responsibility.	
24.	**Packing and Forwarding:** The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.	
25.	**Fall Clause:** The prices charged for the stores supplied under the Contract by the vendor should in no event exceed the lowest price at which the vendor sells the stores of identical description to any other person during the period of the Contract. If at any time, the prices are reduced, the same shall be notified to the Purchaser and shall stand correspondingly reduced.	
26.	**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.	

27.	**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.	
28.	**Arbitration:** 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. 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 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.	
29.	**Applicable Law:** The Contract shall be interpreted, construed and governed by the laws of India.	
30.	Whether the Vendor / Supplier is from any country sharing land boundary with India or whether the vendor / supplier is representing any principal vendor /principal supplier sharing land boundary with India. If the vendor / supplier is from any country which shares land border with India or if the vendor /supplier is and Indian Agent representing principal vendor/principal supplier of a country which shares land border with India they need to submit a photo copy documentary proof of Registration with Registration Committee constituted by Department of promotion of Internal Industry and Trade DPIIT Offers received from vendors who fall in this category but does not submit copy of documentary proof of registration shall be rejected.	
31.	The participating Indian Vendors/Suppliers/Service Providers shall indicate specifically whether they fall in the category of Class I local supplier or Class II local supplier or Nonlocal supplier for evaluation as per Ministry of Commerce Industry office order no. P45021/2/2017PP(BEII)-Part(4)Vol.II dt. 19th July, 2024.	

	The vendor/supplier/Service Provider shall submit declaration as documentary proof in this regard. The provision of above referred OM shall apply for this procurement. Purchase preference shall be Governed by the above mentioned orders and subsequent orders issued from time to time.	
32.	Indian agent remuneration/service charge (If applicable) 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 within30 days of acceptance of material at purchaser site.	
33.	Indicate the Name and address of the vendor for placing purchase order along with their e-mail ID, contact person name and designation, Telephone no. and fax no.	
34.	Any Other Term:	

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

ESD & LATCH UP TESTER SPECIFICATIONS

S.No.	Specifications
1.00.00	**SCOPE OF WORK** Vendor's scope of work covers supply, installation & commissioning of ESD and Latch up Test System. The scope of work includes the following:
1.00.01	Supply of ESD and Latch up Test System as per the required specifications.
1.00.02	Supply of all support accessories for proper functioning of the equipment.
1.00.03	Installation of the equipment and Support tools (if any), including all utility connections.
1.00.04	Commissioning of the equipment and demonstration of its functionality as per the clause 3.00.00 specifications.
1.00.05	On-site training to concerned SCL personnel on Operations, Maintenance & Troubleshooting
1.00.06	It is not the intent of this document to completely specify all details of design and construction. Nevertheless the system should conform in all respects to high standards of engineering, design and workmanship and should be capable of performing the operations in a safe and efficient manner as per industry norms/codes.
1.01.00	**ELIGIBILITY CRITERIA** Vendor's eligibility criteria includes the following:
1.01.01	**Supplier's experience**: The bidder should have experience in the manufacturing and maintenance support of equipment. The system offered should be a standard system of the OEM and OEM should have supplied similar equipment to Semiconductor manufacturing / packaging/ testing labs/R&D centers during the last seven (7) years for the application mentioned. The vendor should submit, along with the offer, the necessary technical details like P.O copy, specification and scope of work etc., to substantiate their experience.
1.01.02	**Service Centre**: Supplier should have trained service engineers to provide post sales services in India.
1.01.03	**Original manufacturer**: Only OEMs (Original Equipment Manufacturers) or their authorized Indian agents are eligible to participate in the tender. Offers from traders / resellers will not be considered. Authorized agent is required to provide authorization certificate as Representative/ Distributor of the equipment and services in India from OEM (Original Equipment Manufacturer). Offers without this information will be treated as incomplete and will be rejected.

1.01.04	**New Equipment Certificate**: Vendor shall provide the new equipment certificate from OEM.

S.No.	Specifications
1.02.00	**SCOPE OF SUPPLY:** Includes the following:
1.02.01	Vendor shall supply the equipment, including mandatory support accessories required for proper functioning of the equipment. The equipment shall be supplied as per the Technical Specifications mentioned**.**
1.02.02	Vendor shall supply all the auxiliary items like interconnect matching cables for electrical connections; interconnect fittings, vacuum line etc. for support tool installations as may be required to complete the installation and commissioning of the equipment. Single point of connection (POC) for required utilities will be provided by SCL.
1.02.03	Any items not specifically mentioned in the specifications but required for safe and efficient operations of the system shall deem to be included in the scope of supply of the vendor unless explicitly indicated in the bid by the vendor.
1.02.04	Vendor shall ensure safe delivery of the equipment and related accessories.
1.03.00	**SCOPE OF INSTALLATION AND COMMISSIONING** **Includes the following:**
1.03.01	It shall be the responsibility of the vendor to ensure installation & commissioning of the equipment at SCL designated site.
1.03.02	Vendor shall provide guidelines for site preparation for installation of the equipment.
1.03.03	Vendor shall also supply the installation drawings giving detailed information regarding the port size & type for the utility connections wherever required.
1.03.04	Vendor shall uncrate the equipment, move the same to the respective area(s) and install the equipment on foundations, etc. SCL will provide utilities hook-up to the system.
1.03.05	Vendor shall commission the system with the required utilities (to be supplied by SCL) and demonstrate the functionality of the equipment supplied, at SCL site.
1.03.06	Vendor shall bring all necessary tools/instruments/special tools etc. that may be required for successful commissioning/ installation/ verification/ acceptance of the tool and sub tools of the equipment.
1.04.00	**TRAINING : Includes the following:**
1.04.01	Upon commissioning of the equipment, vendor shall provide on-site hands-on training to the concerned SCL personnel for at least two days (including classroom training) on Operations/Process, application software, related applications, trouble-shooting and Preventive Maintenance of the equipment

	supplied.

S.No.	Specifications
1.04.02	The training shall be extensive enough so that concerned SCL personnel are capable to operate and maintain the equipment and troubleshoot the problems for remedial actions.
2.00.00	**ACCEPTANCE PROCEDURE : Includes the following:**
2.01.00	Vendor to provide reports of tests conducted at vendor's premises. Also, SCL shall have the option for Pre-shipment inspection at vendor's premises. (SCL shall bear the travelling and logistic cost)
2.02.00	Final acceptance, however, will be done after installation and demonstration of the functionality of the equipment at SCL, as per the acceptance test procedure (ATP)
2.03.00	Vendor to perform complete Acceptance Test Procedures (ATP) as per following : I. Meeting requirements of clause 3.00.00 of specifications. II. Demonstration of ESD testing, Latch up testing and pre/post measurements on samples. Vendor to demonstrate all parameters as per equipment offered specification on at least two different samples (with pin count more than 200) compatible with the DUT boards supplied along with the equipment. Vendor shall bring the standard samples along with interfacing hardware if any (on returnable basis) for demonstration. III. Data logging and Generation of reports for above point II .
2.04.00	**Acceptance criteria:** Vendor to meet the requirements of clause 2.03.00 as stated above.

3.00.00 TECHNICAL SPECIFICATIONS		
S.No	**Parameter**	**SCL Specification**
3.00.01	D & Latch-up tester	Automated ESD and Latch up test system producing HBM test pulses as per MIL STD 883 (TM3015) and Latch-up test pulses as per JEDEC (JESD78F) with measurement capability for dc parameters both for ESD and Latch up.
3.00.02	Model no	Vendor to specify the proposed model no. of equipment
3.00.03	Equipment datasheet/ Specifications	Vendor to provide equipment datasheet and detailed specifications.
3.01.00	**LATCH UP TEST**	
3.01.01	Standard	Should meet requirements of JESD78

3.01.02	Current pulse range	0 to ± 1A or better
3.01.03	Voltage Compliance range	0 V to 100 or better
3.01.04	Voltage pulse range	0 V to 100 or better
3.01.05	Current compliance range	0 to 1A or better
3.01.06	Pulse rise time (Tr)	Shall be within range from 1µsecs (Min) to 5 msecs (Max)
3.01.07	Pulse Fall time(Tf)	Shall be within range from 1µsecs (Min) to 5 msecs (Max)
3.01.08	Pulse width	Shall be within the range from 2xTr (Min) to 1 Seconds (Max)

S. No.	**Parameter**	**SCL Specification**
Bias supplies for DUT		
3.01.09	No. of supplies for DUT biasing	3 nos.
3.01.10	Supply 1 Voltage and current Range	± 30 V/ 5 A or more
3.01.11	Supply 2 Voltage and current Range	± 30V /5A or more
3.01.12	Supply 3 Voltage and current Range	± 100V/1A or more
3.01.13	Voltage Resolution of bias supplies	50mV or better
3.01.14	Voltage Accuracy of bias supplies	± (2% of Programmed value + 50mV) or better
3.01.15	Current Resolution	1 µA or better
3.01.16	Current Accuracy	1% of range or better
3.01.17	Provision for connecting external power supply	System should have provision of at least 1 nos. of port for biasing the DUT from external power supply. Vendor to provide details.
Clock generator:		
3.01.18	Clock generator programmable Frequency	upto 10 MHz or more
3.01.19	High level	Programmable level (0.5V - 5 V)
3.01.20	Low level	Low Level: 0 V
3.01.21	Preconditioning of pins	High level programmable for 0.5 - 5 V range
3.01.22		Low Level: 0 V
3.01.23	Pulse voltage	
3.01.24	Pulse current	

3.01.25	Measured Voltage level	The GUI of Latch up tester should record the measured parameters at pre and post latch up test. Vendor to confirm and share the snapshot for parameters displayed.
3.01.26	Measured Current	
3.01.27	DUT Pass / Fail status	

S. No.	Parameter	SCL Specification
3.02.00	**ESD test (Human Body Model)**	
3.02.01	Standard	Should meet requirements of MIL STD 883, Test method 3015
Stress Voltage		
3.02.02	Voltage range	±8000V or more
3.02.03	Voltage step size	10V /step or better
3.02.04	Pulse parameters	
3.02.05	Pulse rise time	Less than 10 ns
3.02.06	Delay time	150 ± 20 ns
3.02.07	Peak current(Ip)	Within 10% of set Ip as per table 1 of TM3015 MIL883
3.02.08	Ringing (Ir)	Less than 15 % of Ip max
Voltage Supplies for Biasing DUT for Post ESD DC Measurements		
3.02.09	Voltage	0 to ±100 V
3.02.10	Resolution	50mV or better
Current limits		
3.02.11	Range	1 A or better
3.02.12	Resolution	10nA or better
3.02.13	Pin count	256 pins or more with pin upgrading capability up to 500 pins or more
Display parameters		
3.02.14	ESD voltage with polarity	System should display the parameter during testing Vendor to specify any other add on features (if Any)
3.02.15	No. of pulses	Programmable 1 to 100 pulses or more
3.02.16	Pulse interval	System should be able to program minimum 1sec delay between two consecutive pulses
3.02.17	Measured pre and post test I-V	Vendor to share the snapshot for parameters display

	characteristics	
3.02.18	Device pass/fail status	
3.03.00	**Integrated PC based Automated test set up GUI Software**	
3.03.01	GUI software name and version	Vendor to specify software name and version
3.03.02	Automated Zapping of pins	Vendor to specify the sequence of Automated Zapping of pins for all pin combinations for devices through program

S. No.	**Parameter**	**SCL Specification**
3.04.00	Device parameter measurements	
3.04.01	Pre and post- test voltage and current measurements for ESD and Latch up test	Vendor to provide snapshots of pre and post parametric measurements
3.04.02	Voltage and current measurements during latch up test	Vendor to provide snapshots of parametric measurements
3.04.03	Data logging of tested parameters	Vendor to provide snapshots of data log for ESD and Latch up test
3.04.04	Program interruption and notification when device fails to meet pass criteria.	Vendor to mention the details with Snapshots
3.04.05	Format of Report generation by software	Vendor to mention the details with Snapshots
3.05.00	Power	220-240Vdc,50Hz. Power plug style: Indian single phase. Any transformer/required interfacing will be provided by vendor
3.06.00	**DUT Socket module**	

3.06.01	Universal holding fixture	Vendor to specify the details
3.06.02	Pin count wise test fixtures	Pin count wise test fixtures up to 256 pins to be quoted.
3.07.00 Calibration		
3.07.01	Factory calibration certificate	Factory calibration certificate to be provided by vendor.
3.07.02	System self calibration	System self calibration feature to be mentioned
3.08.00	Perpetual licence	Vendor to provide perpetual licence for the software employed for operation, maintenance and calibration of the system.
3.09.00	Equipment Manual	Soft or hardcopy of equipment manual to be provided by vendor
3.10.00	OEM	Vendor should be the original Equipment manufacturer or authorized dealer with a certificate from OEM
3.11.00	Origin	Vendor to specify the origin of the manufacture of the equipment

S.No.	SPECIFICATION
4.00.00	**WARRANTY:** Vendor to provide comprehensive parts and labor warranty for a period of 24 months, after commissioning and acceptance of the system at SCL.
4.00.01	Vendor to guarantee 90% uptime for the tool based on 24 hours working, 7 days a week.
4.00.02	Vendor to give minimum two preventive maintenance visit including Calibration (Annually) in the Warranty Period.
4.01.03	Vendor shall provide all consumables parts/ maintenance kits/boards required for maintenance during the warranty period. Vendor shall bring all the boards/equipment necessary for maintenance and calibration of the system during the warranty period. Vendor shall bear all cost for maintenance and calibration including duties/taxes, to and fro transportation, etc.
5.00.00	**POST WARRANTY SYSTEM SUPPORT:** Vendor shall guarantee to provide maintenance support including spares and consumables for at-least 10 years after the expiry of warranty period.
5.00.01	Vendor shall quote separately for Post-warranty 'labor-only' AMC charges per year for a period of 5 years in commercial bid (Part 2 of bid) separately. **(Optional)**
6.00.00	**RECOMMENDED SPARES AND CONSUMABLES:** Vendor shall provide separately the item wise list and price for recommended essential spares and consumables which may be required for meeting the above stated tool uptime. **(Optional)** This list would be for SCL reference only.

6.00.01	Vendor to ensure that the quote for main equipment shall not include any price information for the spares and consumables.
7.00.00	**SAFETY:** The system should be designed to be compliant with CE standards or other equivalent Industrial safety standard
7.00.01	The system should be designed for highest safety level in view of high temperature and perflourocarbon vapor analyzing equipment.
7.00.02	The system should be fitted with all necessary safety interlocks (Hardware and software) for safe operation
7.00.03	The selection of materials for system and their design should be such so that they can withstand temperature and vapor concentration without any failure. Vendor to provide design document to support above.
7.00.04	The system should be provided with an ESD ground.
8.00.00	**TECHNICAL DOCUMENTATION:** Following documents/Information (Hard and/or Soft) are to be supplied along-with the system in English Language only:
8.00.01	System user manuals
8.00.02	System Hardware / Software manuals
S.No.	**Specifications**
8.00.03	Maintenance/Diagnostic/Troubleshooting manuals including safety guidelines, calibration, schematics Circuit diagram (Electrical & Plumbing) along with Parts for all spares
8.00.04	OEM system/subsystem/accessories manuals
8.00.05	Vendor to send all above technical documents (Soft Copy) in advance on confirmation of PO.
9.00.00	**DOCUMENT CHECK LIST**: Documents and related information, drawings, etc. should be provided by the vendor for following:
9.01.00	Vendor shall submit the offer in two parts as follows:
9.01.01	**Part-1: Techno-Commercial (No Price Bid)** **(No price information to be mentioned in Part-1 of Bid)**
9.01.02	**Part-2: Commercial Bid (Price Bid)** Note: Pricing for items marked as "**Optional**" to be mentioned separately in Part-2 of Bid
9.02.01	Vendor to submit cost of the total system with break-up
9.02.02	Cost of the each item to be mentioned separately wherever **"Optional"** mentioned. These items shall not be considered during evaluation of the main tendered items of the system

9.02.03	Cost of Post-warranty 'labor-only' AMC charges per year for a period of 5 years
9.02.04	Item-wise cost for recommended spares and accessories for 10 years of operations after warranty period
9.03.01	Vendor shall provide detailed technical specifications like make, model, dimensions and weight of the system, Electrical power consumption, etc., Wherever it is felt necessary, vendor shall provide related documents, literature, catalogue, presentation, specific numeric values, etc.
9.04.01	Vendor shall provide necessary support documents for Clause 1.00.00 to 2.04.00
9.05.01	Vendor shall provide One copy of unprized bid (**without price details**) both in figures and word, in part – I of the bid
9.06.01	Item wise list (**without price detail**) for recommended essential spares and consumables for 10 years of operation of equipment
9.07.01	Item wise list (**without price detail**) for Repair & Maintenance kit for equipment
9.08.01	Item wise list (**without price detail**) for Tools required for calibration of equipment
9.09.01	Utilities requirement for the offered system (As per Annexure A) to be filled and sent to SCL in advance (For site Readiness)

10.00.00 EQUIPMENT CONFIGURATION FORMAT

Clause no.	Item	Part No. /Model	Qty. (No./ set)	SCL clause reference	Standard/ optional	Vendor Compliance	Remarks (If any)
10.00.01	ESD & Latch-up tester		01	1.00.00 to 9.09.01	Standard		
10.00.02	Integrated PC based Automated test set up GUI software		01	3.03.00	Standard		
10.00.03	Power requirements: Indian plug style, Any transformer /interfacing , if any		01 set	3.05.00	Standard		

10.00.04	DUT Socket module: universal holding fixture and pin count wise fixtures upto 256 pins		01 set	3.06.00 to 3.06.02	Standard		
10.00.05	Technical documentation (Hard/soft)		01 set	8.00.00-8.00.05	Standard		
10.00.06	Parts required for Repair and maintenance		01 set	5.00.00	Optional		
10.00.07	Recommended spares and consumables		01 set	6.0000, 6.00.01	Optional		

UTILITY REQUIREMENTS FOR EQUIPMENT(Vendor to strike off whatever is not applicable)

* Specify Impurity levels in ppm /ppb.

Any other utility requirement shall also be specified

please mentions composition of effluent, if discharged from the Tool.

S. No.	Utility	Specifications			
		Flow (slpm/ sccm)	Pressure	Others (purity / temp)	End/ final connection details (for tool hook-up)
1.	Environmental Conditions - Clean Room Class - Temp. - RH				
2.	UHP Water *(Please specify Hot Water reqmt., if any)*				
3.	BULK Gases				
	- Process Nitrogen				
	- General Nitrogen				
	- Oxygen				
	- Hydrogen				
	- Argon				
	- Helium				
4.	Speciality Process Gases (Pl. specify reqmt for all the process gases)				
5.	Process Cooling Water				
6.	Compressed Dry Air				
7.	Process Vacuum				
8.	Exhaust				
	- Acid Exhaust				
	- Solvent Exhaust				
	- General Exhaust				
9.	Drains for				
	- Acid/ Alkalies				
	- Organic Solvent				
	- CMP etc				
10.	City Water				
11.	Special Flooring/ Foundation reqmts, if any (Anti Vibration pads etc.)				
12.	Vacuum Wands/ N_2 guns.				
13.	Dimensions/Foot-Print -Equipment. -Support Equipment.				
14.	Electrical Supply (50 Hz) - Normal Supply. - UPS - Emergency back-up				

NOTE: Power Mode available at SCL: 230V +/- 10%, 1 PHASE, 50Hz +/- 5% OR 415V +/- 10%/3 PHASE, 50 Hz +/- 5%.