



Indian Institute of Information Technology, Sri City, Chittoor

(An Institute of National Importance under an Act of Parliament)

OPEN TENDER -CLASS I & II LOCAL SUPPLIER.

Open Tender No: **IIITSRICITY/PROJECTPROC/2021/03**

Date 15.03.2021

Indian Institute of Information Technology Sri City Chittoor invites in Single Bid (Technical + Financial) System, from Original Equipment Manufacturer (OEM) /Authorized distributors/Authorized dealer of the following categories for the following item

Category of Suppliers invited for this Tender

- i) Class I local Supplier – has local content equal to more than 50%
- ii) Class II local Supplier – has local content more than 20% but less than 50%

Item Description	Qty
Item Name: High Temperature Furnace (CVD)	01
Annexures : Technical Specifications as per Annexure A Compliance Statement as per Annexure B DPIIT Registration Certificate as per Annexure C Declaration for Local Content as per Annexure D	

The Tender Document can be downloaded from Institute website <http://www.iiits.ac.in/tenders/>

The bid is to be submitted to The Registrar, Indian Institute of Information Technology Sri City, Chittoor, 630, Gnan Marg, Sri City, Chittoor District, Andhra Pradesh-517 646

Schedule of Dates

Sr.No	Particulars	Date	Time
1	Date of Download of Tender	15.03.2021	10 am
2	Bid Submission Start Date	15.03.2021	10 am
3	Bid Submission Close Date	25.03.2021	3 pm
4	Opening of Bids	25.03.2021	3.30 pm

Indian Institute of Information Technology, Sri City, Chittoor

630 Gnan Marg, Sri City, Satyavedu Mandal, Chittoor District - 517 646, Andhra Pradesh, India
e-mail: procurement@iiits.in, www.iiits.ac.in



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TERMS & CONDITIONS

1. It may kindly be noted that your bid should:
 - a) be in Single Part
2. The acceptance of the quotation will rest with the competent authority, who does not bind himself to accept the lowest quotation and reserves the right to himself to reject, or partially accept any or all the quotations received without assigning any reason.
3. Price quoted should be as per the BoQ and valid for a minimum period of 60 days from the date of opening of the quotation. The rate quoted should be free delivery at IIIT Sri City Chittoor, 630, Gnan Marg, Sri City, Chittoor District, Andhra Pradesh-517 646. The Price quoted should be in INR only.
4. Complete specification with manufacturer's name and address should be given while quoting. Literature/Pamphlets should also be enclosed wherever applicable.
5. In cases of agents quoting on behalf of the manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following:
 - i) The manufacturer directly or through one agent on his behalf; or
 - ii) Agent on behalf of only one principal.
6. IIIT Sri City Chittoor is registered with Dept. of Scientific & Industrial Research, Govt. of India. Concessional customs duty is leviable on all imports covered under notification No.51/96-Customs dated 23.07.1996, Notification No.47/2017-Integrated Tax (Rate) and Notification No.45/2017-Central Tax (Rate) dated 11th January 2021.
7. In case the items in the enquiry are covered by any rate contract or running contract finalised by any other state or central Government, it should be specified in your quotation and accepted contract rates should also be mentioned.
8. Delivery period required for supplying the material should be invariably specified in the quotation. The offered delivery period shall have to be strictly adhered to in case an order is placed.
9. Liquidated Damages Clause for delays: The applicable rate is 0.5% per week and maximum deduction is 10% of the contract price.
10. If the deliveries are not maintained and due to that account the purchaser is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier



Indian Institute of Information Technology, Sri City, Chittoor

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11. Our normal payment terms are 100% (hundred percent) within 30 (thirty) days on receipt and acceptance of material at our site in good condition. Please inform your Bank details for RTGS payment. No payment will be made in Advance. Kindly Note.

12. Warranty & Maintenance contract: The supplier shall warranty equipment, system components for a minimum period of three years following satisfactory installation and commissioning. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. All expenditure including government levies on account of the replacement are to be borne by the supplier/agent.

13. Installation, Testing and Training : The installation shall be completed within a week from the date of intimation regarding the arrival of the equipment in the institute. The installed system shall be performance tested at our premises in accordance with the manufacturer's/supplier's recommendation/specifications. Tests shall demonstrate the proper operation of the instrument and all components.

14. All supplies are subject to inspection and approval before acceptance. Manufacturer warranty certificates and manufacturer/Government approved lab test certificate shall be furnished along with the supply, wherever applicable

15. Kindly furnish your PAN & GST Number etc. in your quotation for our records.

16. Conditional tenders will not be accepted.

17. Requirement of registration: Vide Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

i. Any bidder from a country sharing a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT).

ii. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

iii. "Bidder from a country which shares a land border with India" for the purpose of this Order means:

- a) An entity incorporated, established or registered in such a country; or
- b) A subsidiary of an entity incorporated, established or registered in such a country; or
- c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d) An entity whose beneficial owner is situated in such a country; or
- e) An Indian (or other) agent of such an entity; or
- f) A natural person who is a citizen of such a country; or



Indian Institute of Information Technology, Sri City, Chittoor

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g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

For details about registration procedures please visit the above mentioned OM. Mandatory documentary evidence regarding the bidder's registration with DPIIT is to be submitted along with the tender, failing which the tender shall be liable for rejection. Bidders are also requested to submit the Model Certificates **as per Annexure** for this tender as mentioned in the Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

18. Public Procurement (Preference to Make in India), Order 2017:

a) IIIT Sri City Chittoor shall compare all substantially responsive bids to determine the lowest valued bid. This Institute is following and abide with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and its subsequent amendments. Accordingly preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.

b) As per the above order and its subsequent amendments "Local Content" means the amount of value added in India which shall be value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all the custom duties) as a proportion of the total value, in percent. Accordingly the suppliers will be classified in following categories.

- i) Class I local Supplier – has local content equal to more than 50%
- ii) Class II local Supplier – has local content more than 20% but less than 50%

c) **Verification of Local Content** : The Class I Local Supplier /Class II Local Supplier at the time of bidding shall be required to indicate the percentage of local content and provide self-certification as per Annexure D that the items offered meet the local content requirement. The details of the location(s) at which the local value addition is made also needs to be specified.

The bidders can be debarred for a period up to two years as , per Rule 151(iii) of GFR 2017, in case of false declaration.

19. ARBITRATION: a) Unless otherwise specified, in all cases of disputes which cannot be settled by mutual negotiations, the disputes or differences shall finally be settled and binding on both parties by arbitration in conformity with the rules of Indian Arbitration Act, 1940. All disputes or differences what so ever arising between the parties out of relating to the construction, meaning and operation or effect of the general terms and conditions including the Purchase Order or the breach thereof shall be settled by Arbitration Act, 1940 and the award made in pursuance thereof shall be binding on the parties.



Indian Institute of Information Technology, Sri City, Chittoor

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- b) Performance of the purchase order shall continue during arbitration and any subsequent proceedings.
- c) The Jurisdiction and Venue of arbitration shall be Chittoor. The Arbitrator will be the Director, IIIT Sri City Chittoor, or his nominee.

20. All disputes shall be settled in the court of Chittoor only.

For any technical query related to enquiry you may to contact

For Commercial query Email : procurement@iiits.in

All future amendments/corrigendum will be published on IIIT Sri City website (www.iiits.ac.in). Hence, Interested vendors are requested to regularly visit our website for any such updates.



Indian Institute of Information Technology, Sri City, Chittoor

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ANNEXURE A

TECHNICAL SPECIFICATIONS

Sl. No.	Feature	Technical Specifications
1.	General Description	Supply, installation, integration and initial demonstration of Furnace for chemical vapor deposition. Unit Quantity: one
2.	Furnace Tube specifications	The furnace system should have the listed functions: <ul style="list-style-type: none">● Horizontal tube furnace.● The diameter of the tube opening is 75-85 mm to accommodate the quartz tube. The overall length of furnace 950 mm (approx .,WITHOUT TUBE)..● Optional computer interface.
2.	Wafer size, Loading capacity	<ul style="list-style-type: none">● Should be able to process 25 Wafers (or more) of 2 inch size.
3.	Heater temperature	<ul style="list-style-type: none">● The heater temperature should be 1000 °C (or more).● Heater temperature control unit: Independent PID controlled temperature controller for all 3 heating zones with 1° Celsius set point resolution or better. Better than ±0.5° Celsius closed loop temperature control of the heating system.● Three (3) zone high temperature heating. High purity insulated ceramic fiber spacers with backing insulation. Thermal Flat Zone 200mm or higher and should be able to process 25 or more wafers. Ceramic fiber vestibules to minimize end zone heat losses. The coil, spacers and insulation should be readily replaceable as a complete unit.● Safety options should be given for High limit over temperature protection, circuit breaker, power module, transformer and cooling fans.
4.	Main Power Supply	<ul style="list-style-type: none">● 230V± 10V, 50 Hz. Single phase or compatible to Indian standards.● Power to each heating element should be provided via zero angle fired thyristors. Audible and independent visual alarms, system should be able alert for safety concerns such as low cabinet exhaust flow, low cooling water flow, low nitrogen pressure, low pneumatic pressure, process temperature and gas flow deviations, voltage variations.
5.	Vacuum system and pressure measurement	<ul style="list-style-type: none">● Vacuum pump (oil free pump) : rotary pump● Vacuum level: upto 10⁻³ torr● Vacuum gauges for pressure reading (upto 10⁻³ torr)
6.	Gas distribution	<ul style="list-style-type: none">● MFC for each processing gas should be provided, that is, N₂, O₂, Water vapour.



Indian Institute of Information Technology, Sri City, Chittoor

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7.	Furnace Cabinet	<ul style="list-style-type: none"> All metal construction. Contains the process tubes, gas control, electrical control and loading station compartments. Washable filters for furnace cabinet cooling. Independent compartment exhaust monitors. Provision to shut down the system in case of low exhaust flow should be provided. Additional/Optional Accessories duty shelves with compartments to accommodate gas panel, source temperature controllers, spare parts and other systems.
8.	Quartz-ware and other essentials	<ul style="list-style-type: none"> Quartz Process Tubes, Quartz Boat, Substrate holders, Gas injectors, suitable accessories for boat holding, Quartz sledge, Quartz push/pull rod, set of Spike thermocouples, profiling thermocouple. Tube should withstand under low vacuum level ($\sim 10^{-3}$ torr)
9.	Additional system control (optional)	<ul style="list-style-type: none"> High performance PC running Windows operating system to ensure compatibility with the operations. Programmable, ramp-able analog set points and dwell times required for precise gas flow and temperature controlled profiles. Recipe edits, log reader, configuration editor. Real Time monitoring to monitors and logs all analog and digital parameters, including flow and temperature data, valve states, process deviations, safety status, and graphically displays in real time graphs of user selected analog and digital system parameters (gas flows and temperatures). Appropriate UPS should be specified for uninterrupted real time monitoring and to ensure proper shutdown.
11.	Training	Training should be provided by Supplier on user site about basic routine maintenance and repair.
12.	Installation and commissioning	Installation and commissioning at User's site. Installation data like machine size, machine weight, floor space required, total electrical load and other specific requirement should be provided by the supplier.
13.	Accessories	<ul style="list-style-type: none"> Thermocouple for temperature reading (1200 °C) Should specify if any other additional arrangement will have to be purchased for this setup.



Indian Institute of Information Technology, Sri City, Chittoor

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		<ul style="list-style-type: none">• Spare Quartz tube and rods to push and pull the boat during the process.
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ANNEXURE – B

FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS

1	2	3	4	5	6
S. No.	Name of specifications/part / Accessories of tender enquiry As per Annexure A of the Tender Document.	Specifications of quoted Model/ Item	Compliance Whether “YES” Or “NO”	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1					
2					
3					
4					



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ANNEXURE – C

CERTIFICATE ON COMPANY LETTERHEAD

CERTIFICATE BY BIDDER- DPIIT REGISTRATION

“I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, / if from such a county, has been registered with the Competent Authority (copy of the Registration Certificate enclosed) . I hereby certify that his bidder fulfils all requirements in this regard and is eligible to be considered.

Signature with Date and Stamp
Of the Bidder



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ANNEXURE – D

Declaration for Local Content

**(To be given on Company Letter Head - For tender value below Rs.10 Crores)
(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 Crores)**

Date: _____

To,
The Director,
Indian Institute of Information Technology Sri City Chittoor
630, Gnan Marg, Sri City, Chittoor District, Andhra Pradesh.

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender / Work: -

1. Country of Origin of Goods being offered: _____

2. We hereby declare that items offered has ____% local content.

3. Details of location at which local value addition will be made / made: (Complete address to be mentioned) _____

“Local Content” means the amount of value added in India which shall be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*“*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.”*



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Yours Faithfully,

(Signature of the Bidder, with Official Seal)