

## Indian Institute of Technology Palakkad भारतीय प्रौद्योगिकी संस्थान पालक्काड

### **STORES & PURCHASE SECTION**

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#### Tender No. IITPKD/CE/VV/2021-22/018 Date of Publication: 13-10-2021 Date/Time of Closing: 03-11-2021, 1500 hours

Indian Institute of Technology Palakkad Invites Global Tender under Two-bid system for the:

## SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OFROLLING THIN FILM OVEN AND PRESSURE AGING VESSEL

Conforming to the specifications as in BoQ Technical.

Tender Documents may be downloaded from the e-Wizard Portal <u>https://mhrd.euniwizarde.com/</u>. Aspiring Bidders who have not enrolled / registered in e-Wizard should enroll / register before participating through the website <u>https://mhrd.euniwizarde.com/</u>. Bidders are advised to go through instructions provided at **"Procedure for Submission of E-tender".** [Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this e-Wizard Portal"].

Bidders can access tender documents on the website. For searching in the site, kindly go to Live Tenders option, Click "Advance Search" and select Department as 'IIT Palakkad'. Thereafter, Click on "Search" button to view all IIT Palakkad tenders. Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <u>https://mhrd.euniwizarde.com/</u>as per the timeline below.

## No manual bids will be accepted. All tender documents including Techno-Commercial, Technical and Financial bids should be submitted in the e-Wizard portal.

S. No.	Events	Date and Time
1	Publication of the Tender Document	13-10-2021
3	Last Date/Time for submission of ONLINE Bids	03-11-2021, 1500 hours
4	Opening of Technical Bids	03-11-2021, 1515 hours

## TERMS AND CONDITIONS

1	GENERAL	(a)	The responsibility of submission of the bids on or before the last date
			shall rest with the tenderer. The institute will hold no responsibility for
			the non-receipt of the bids or the bids received after the date/time
			specified. Any bid received by IITPKD after the bid submission deadline
			prescribed by IITPKD, shall be rejected and returned unopened to the
			Bidder.
		(b)	Canvassing or offer of an advantage or any other inducement by any
			person with a view to influencing acceptance of a bid is an offence under
			the Laws of India. Such action will result in the rejection of bid, in
			addition to other punitive measures.
		(c)	Each bidder shall submit only one bid, either by himself or as a partner
			in a joint venture or as a member of the consortium. If a bidder or if any
			of the partners in a joint venture or any one of the members of the
			consortium participate in more than one bid, the bids (of both the
			individual and the partnership/consortium/joint venture) are liable to be
			rejected.
		(d)	The bidder shall bear all costs associated with the preparation and
			submission of his bid and IITPKD shall in no case be responsible or
			liable for those costs, regardless of the conduct or outcome of the tender
			process.
		(e)	IITPKD will respond to any request for clarification or modification
			of the Tender Document that are received up to TWO DAYS prior
			to the deadline for submission of bids prescribed by IITPKD. For
			this purpose, the prospective bidder(s) requiring clarification in the
			Tender Document shall notify IITPKD through the ONLINE Portal
			ONLY. Any such clarification, together with all the details on which
			the clarification had been sought, will be published in the ONLINE
			Portal ONLY. Deviations, if any, observed by the Institute in the
			submitted bids, from the Terms and Conditions of the Tender
			Document will not be accepted by the Institute.
		(f)	Except for any such clarification by the Institute, which is expressly
			stated to be an addendum to the tender document issued by the Registrar,
			IIT Palakkad, no written or oral communication, presentation or
			explanation by any other employee of any of the Sections/Departments
			of the Institute, shall be taken to bind or fetter the Institute.
		(g)	The bidder is expected to examine all instructions, forms, terms and
			conditions in the Tender Document. In the event of discovery of any
			missing pages, the bidder shall inform the same to the Section/
			Department concerned. Failure to furnish the information required by the
			Tender Document or submission of a tender not substantially responsive
			to the Tender Document in every respect will be at the bidder's risk and
			may result in rejection of the bid.
		(h)	The bidder shall not make or cause to be made any alteration, erasure or
			obliteration to the text of the Tender Document.
		(i)	The Supplier shall not, without the prior written consent of the IITPKD,
			assign to any third party, the Contract or any part thereof.

2	COMPOSITION OF THE	(a) The Tender Document comprises of:
-	TENDER DOCUMENT	Instruction to the bidders including terms and conditions
		1. Technical Specifications (Annexure-I)
		2. Format For Self-Certification Under Preference To Make In
		India(Annexure-II)
		3. Bid Security Declaration Form (Annexure-III)
		4. Undertaking by the Bidder (Annexure-IV)
		5. Fall Clause Notice Certificate (Annexure-V)
3	DOCUMENTS	(a) The Technical, Techno-commercial and Commercial Bids (Cover
	<b>COMPRISING THE BID</b>	One) and Commercial Bid (Cover Two) shall be submitted ONLINE
		through the e-Wizard Portal.
		(b) Bids submitted in any mode other than ONLINE will be rejected
		outright.
		(c) Documents establishing the conformity of the terms and conditions of
		the Tender Document shall be provided along with the bid. The
		offer/bids should be sent only for a system or that is available in the
		market and supplied to a number of customers. A list of customers in
		India and abroad with details must accompany the quotations.
		Quotations for a prototype machine will not be accepted.
		(d) Original catalogue (not any photocopy) of the quoted model duly signed
		by the principals must accompany the quotation in the Technical bid. No
		prices should ever be included in the Technical bid.
		(e) Compliance or Confirmation report with reference to the specifications
		and other terms and conditions should also be obtained from the
		principal. (f) Information related to the agency/bidder such as photocopies of the
		Registration/PAN/GST/TIN shall be furnished.
		(g) The technical bid should consist of all technical details along with
		commercial terms and conditions. No prices should be included in the
		technical bid. Mentioning of Prices in the Technical Bid shall lead to
		DISQUALIFICATION.
		(h) Bidders who are bidding for this tender shall,
		1) Should have implemented at least three orders EACH of Rolling
		Thin Film Oven And Pressure Aging Vessel during previous
		three financial years (2017-18, 2018-19, 2019-20) from Centrally
		Funded Technical Institutes (IITs, NITs, IISc, IISER), DRDO, ISRO,
		CSIR-CRRI or Government Firms in India. Copies of the most recent
		purchase orders and user certificates of successful implementation
		must be included. Copies of financial statements or evidence of
		turnover must be furnished.
1		2) Have an Average Annual Turnover of Rs 1,00,00,000 (RUPEES
1		ONE CRORE ONLY) during the last THREE financial years
		(2017-18, 2018-19, 2019-20). The bidder shall enclose the audited statements of the indicated financial years, which should have been
		statements of the indicated financial years, which should have been certified by a Chartered Accountant or a Competent Authority.
		3) Digitally signed Tender Document should be submitted in Cover
		One.
4	EARNEST MONEY	(a) The bidder shall furnish, as part of the technical bid, <b>Bid Security</b>
	DEPOSIT (EMD)	<b>Declaration Form</b> as per the <b>Annexure-II.</b>
		(a) Bids not accompanied by Bid Security Declaration Form shall be
		DISQUALIFIED.
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5	PERFORMANCE	(a) The performance security shall be submitted within <b>FIFTEEN DAYS</b> of
5	SECURITY	receipt of the material by the IITPKD. The successful bidder shall
		furnish the Performance Security equal to 3% of the order / contract
		value (excluding the value of annual maintenance charges). The
		Performance Security shall be valid all along the warranty period and
		shall extend uptoSIXTYDAYS after the date of completion of warranty
		period. It shall be ensured by the successful bidder that the validity of the
		Performance Security submitted is extended depending on the date of
		commencement of the Warranty.
		(b) The performance security shall be a bank guarantee (in the format as
		provided) issued by the Indian Scheduled bank acceptable to the IITPKD or a Demand Draft favoring, INDIAN INSTITUTE OF TECHNOLOGY
		PALAKKAD payable at PALAKKAD.
		(c) The performance security shall automatically become null and void once
		all the obligations of the Supplier under the Contract have been fulfilled,
		including, but not limited to, any obligations during the Warranty Period
		and any extensions to the period. The performance security shall be
		returned to the Supplier not later than fifteen (15) days after its
		expiration.
		(d) Failure of the successful Bidder to comply with the requirements shall
		constitute enough grounds for the annulment of the award and forfeiture
		of the EMD, in which event the IITPKD may make the award to the next
		lowest evaluated bid submitted by a qualified Bidder or call for new bids.
6	BID PRICES AND	(a) Prices must be quoted separately for each equipment/item identified.
Ū	CURRENCY	(a) Price quoted for equipment/items shall include all the costs
		associated with packing, local transportation from the point of
		clearance to IITPKD, insurance, loading, unloading and associated
		delivery charges. The delivery shall be on DOOR DELIVERY basis
		to the institute including its installation, commissioning, integration
		and validation. It is the sole responsibility of the supplier to ensure
		that the equipment is delivered on DDP mode to IIT Palakkad. An undertaking to this effect as in Annexure-IV.
		(c) Prices quoted by the bidder shall be fixed during the validity of the bid.
		(d) Prices of the equipment/items shall be quoted in Indian Rupees
		(INR) / Foreign Currency.
7	LETTER OF CREDIT	(a) Upon the successful Bidder's furnishing of the copy of the Purchase
		Order duly signed on each page and the Performance Security, for the
		equipment ordered in foreign currency, IITPKD will open a letter of credit (LC) in a convenient Nationalized Bank in India. For opening of LC
		necessary information shall be provided by the supplier or its authorized
		agents.
		(b) In case the successful bidder is a foreign company and wishes to submit
		Performance Security in the form of Bank Guarantee, the Bank Guarantee should be routed through the Beneficiary Bank to the end user bank.
		Otherwise, the Indian Agent of the foreign vendor shall submit a Bank
		Guarantee from a Nationalized Bank of India. The following documents shall
		be submitted in case of an Indian agent submitting the Performance Security
		<ul><li>on behalf of his principal:</li><li>Foreign principal's proforma invoice indicating the commission</li></ul>
		payable to the Indian agent and nature of after-sales service to be
		rendered by the Indian agent.
		• Copy of the agency agreement with the foreign principal and the
1		precise relationship between them and their mutual interest in the

		business.	
		<ul> <li>(c) For imported equipment, a Letter of Credit (LC) shall be opened for 100% CIP price on receipt of the acknowledgment of the purchase order. However, 80% of the LC amount only shall be released on proof of the shipment of the consignment with necessary documents to be provided in detail at the time of placing of the purchase order. Balance 20% of the LC amount shall be released upon the receipt of a performance security of 5% of the total value of the purchase order and installation, commissioning, integration, validation and installation report/certification jointly given by the end user and the supplier.</li> <li>Any costs associated with the amendments made in the LC as per the request made by the Supplier s should be borne by the supplier.</li> <li>Any fluctuation in rates / rate conversions arising due to the amendment requests made by the supplier shall be on the supplier and not on the</li> </ul>	
		institute.	
8	PERIOD OF VALIDITY OF BIDS	<ul><li>(d) Bids shall remain valid for a period of 180 DAYS after the date of the deadline for submission of bids prescribed by IITPKD.</li><li>(e) If the deadline is extended due to unforeseen circumstances, the bid validity shall be deemed to have extended accordingly.</li></ul>	
9	TIME FOR SUPPLY, INSTALLATION, COMMISSIONING AND VALIDATION OF THE EQUIPMENTS/ITEMS	<ul> <li>(a) The Supplier shall supply the equipment/items within the period specified in the tender document i.e. within THREE MONTHS of signing the purchase order or within the period mutually agreed between IITPKD and supplier. All the equipment and accessories should be delivered at IIT Palakkad (Nila Campus), Kanjikode-Malampuzha Road, Pudusserry West, Kanjikode, Kerala 678623.</li> <li>(b) The Supplier shall thereafter proceed with the installation, commissioning, integration and validation and demonstrate operational acceptance of the equipment/items within the period specified. The equipment/items shall be installed and commissioned by the successful bidder within 20 to 25 days from the date of its receipt.</li> <li>(c) The tenderer should indicate clearly the time required for delivery of the item. In case there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied.</li> <li>(d) In the event of failure of supply of the item/equipment/items within the stipulated delivery schedule, IITPKD has all the right to purchase the item/equipment/items from other sources on the total risk of the Supplier under the risk purchase clause.</li> </ul>	
10	PRODUCT UPGRADES	The Supplier shall continue to support and maintain the version/model of the Equipment supplied by upgrading the software and the hardware as and when amendments are carried out in the existing version or the product is upgraded. Whereas upgrades to the software shall be supplied free of cost, the Supplier may charge for upgrade in hardware provided it is of major nature. An upgraded higher version of the instrument and software related with the instrument shall be supplied.	
11	PENALTIES	If the Supplier fails to complete any of the activities in accordance with the time specified for it, or any extension of time granted by IITPKD, Liquidated Damages Clause shall be invoked.	
12	UP-TIME GUARANTEE/ DOWNTIME PENALTY CLAUSE	<ul> <li>(a) The Supplier should provide up-time guarantee of 95% [24 (hours) X 7 (days) X 365 (days)] basis during the warranty period.</li> <li>(b) The Supplier should provide up-time guarantee of 95% (24 hours/day basis) both during warranty. If downtime exceeds the 5% limit, extension of the warranty period will be twice the excess down time period.</li> </ul>	

13	LIQUIDATED	If a firm accepts an order and fails to execute the order, in full or part, as per
10	DAMAGES	the terms and conditions stipulated therein, it will be open to the Institute to
		recover liquidated damages from the firm at the rate of 1% of the value of the
		undelivered goods per month or part thereof, subject to a maximum of 5% of
		the value of the undelivered goods. It will also be open to the Institute
		alternatively, to arrange procurement of the required stores from any source,
		at the risk and expense of the firm, accepted and failed to execute the order
		according to stipulations agreed upon. This will also entail the removal of the
		defaulters' name from the approved/registered list of Suppliers.
14	EFFECT OF FORCE	(a) If the Supplier is prevented, hindered, or delayed from or in performing
	MAJEURE	any of its obligations under the Contract by an event of Force Majeure,
		then it shall notify the IITPKD in writing of the occurrence of such event
		and the circumstances of the event of Force Majeure within FIFTEEN
		<b>DAYS</b> after the occurrence of such event.
		(b) The Supplier, when affected by the event of Force Majeure shall use
		reasonable efforts to mitigate the effect of the event of Force Majeure
		upon its performance of the Contract and to fulfill its obligations under
		the Contract, but without prejudice to IITPKD's right to terminate the
		Contract.
		(c) No delay or non-performance by the Supplier caused by the occurrence
		of any event of Force Majeure shall:
		i. Constitute a default or breach of the Contract;
		ii. Give rise to any claim for damages or additional cost or
		expense occasioned by the delay or non-performance.
		(d) If the performance of the Contract is substantially prevented, hindered, or delayed for a single period of more than <b>THIRTYDAYS</b> or an
		aggregate period of more than <b>SIXTY DAYS</b> on account of one or more
		events of Force Majeure, the IITPKD shall have the right to terminate
		the Contract by giving a notice to the Supplier.
15	EXTENSION OF TIME	(a) The time limit for supply, installation & commissioning, integration &
	LIMITS FOR SUPPLY	validation shall be extended if the supply is delayed or impeded in the
	AND MAKING	performance of any of its obligations under the Contract by reason of
	OPERATIONAL, THE	any of the following:
	EQUIPMENT	i. Any occurrence of Force Majeure;
		ii. Any other matter specifically mentioned in the Contract;
		(b) By such period as shall be fair and reasonable in all the circumstances
		and as shall fairly reflect the delay or impediment sustained by the
		Supplier.
16	GOVERNING LAW	(a) The Contract shall be governed by and interpreted in accordance with
	AND	the laws of India.
	SETTLEMENT	(b) Any dispute or claim arising out of/relating to this Contract of the
	OF DISPUTES	breach, termination or the invalidity thereof, shall be settled by the
		Hon'ble Courts of Justice at Palakkad.
		(c) The page number should be marked in all pages serially (including all
		supporting documents enclosed with the tender document) and the
		declaration for the same shall be submitted by the bidder as in
		Annexure-IV.
		(d) IITPKD reserves the right to accept or reject any or all the tenders in
		part or whole or may cancel the tender at its sole discretion without

### AWARD OF CONTRACT

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1	AWARD CRITERIA	<ol> <li>IITPKD will award the Contract to the Bidder whose bid has been determined to be substantially responsive and as per the Order No. P-45021/2/2017-PP(BE-II) dated 16- 09-2020 from Department for Promotion of Industry and Internal Trade (Public Procurement Section), Ministry of Commerce and Industry, Govt. of India.</li> <li>The Institute reserves the right to buy different</li> </ol>
		items/quantities from different bidders considering price of individual/group of equipment/items or any other factors as decided by the Committee.
2	AWARD OF PURCHASE ORDER	<ol> <li>Prior to the expiration of the period of bid validity, IITPKD will issue the Letter of Intent / Purchase Order to the successful Bidder in writing.</li> </ol>
		<ol> <li>Any amendment(s) in the Purchase Order will be permitted within SEVEN DAYS of its issuance. No amendments</li> </ol>
		<ul><li>will be permitted beyond this period.</li><li>3. The Purchase Order will constitute the foundation of the Contract.</li></ul>
3	CONTRACT AGREEMENT	1. Within <b>SEVEN DAYS</b> of receipt of the Purchase Order, the successful Bidder shall sign and date its copy on each page and return it to the Purchaser.
		<ol> <li>Copy of Purchase Order duly signed and dated by the successful Bidder on each page shall constitute the Contract Agreement.</li> </ol>
4	CONTRACT DOCUMENTS / AMENDMENT TO CONTRACT	1. All documents forming part of the Contract (and all parts of these documents) are intended to be correlative, complementary and mutually explanatory. The Contract
		<ul> <li>shall be read as a whole.</li> <li>2. The order of precedence of the Contract documents shall be as follows:</li> <li>(i) Contract the precedence of the Contract documents shall be as follows:</li> </ul>
		<ul> <li>(i) Contract Agreement/Purchase Order</li> <li>(ii) All Forms/Annexures</li> <li>(iii) equipment/items and their requirement</li> <li>(iv) Supplier's Bid</li> </ul>
		<ul><li>(v) Tender Document</li><li>3. No amendment or other variation of the Contract shall be effective unless it is in writing, is dated, expressly refers to the Contract and is signed by a duly authorized representative of each party to the Contract.</li></ul>

REGISTRAR

## ANNEXURE-I

## **TECHNICAL SPECIFICATIONS**

Α	Rolling Thin Film Oven	(1 QTY)
A.1	Conforming to	ASTM D2872, AASHTO T240, & EN 12607
A.2	Frame & internal chamber	Made of high-quality stainless steel; Resist to scratches & shocks; Oven shall be double-walled electrically heated convection-type oven & its internal dimensions shall comply with the standards; Insulation of high-density fibre glass or rock wool to take care of operational safety Door with easy locking system & double-glazed window (approx. 310 mm x 210 mm) containing two sheets of heat-resistant glass separated by an air space & still provide unobstructed view to the interior;
A.3	Control panel	A 7" touchscreen graphical colour display, eliminating the need of switches/dials; Digital display of temperature, air flow & carriage speed
A.4	Temperature control	Precision digital thermostat to maintain $163 \pm 0.5$ °C (capable up to 200 °C); Temperature ramp to achieve the target temperature within 10 minutes; Accuracy of $\pm 0.1$ °C on target temperature; Full conformity with temperature specifications conforming to the standards; Safety thermostat to prevent overheating
A.5	Carriage	Provided with a 12-in. (304.8-mm) diameter, vertical circular carriage, with suitable openings & clips for firmly holding eight glass containers in a horizontal position; Speed of $15 \pm 0.2$ rpm; Should have an air plenum covering the side walls & ceiling. The air space shall be $11/2$ in. (38.1 mm) deep;
A.6	Flow meter range	From 200 to 14,000 ml/min
A.7	Air supply	Air compressor to deliver flow rate of 4 ltr/min and pressure of 2kg/cm <sup>2</sup> with air dryer to be supplied.
A.8	Power supply	230V 1ph 50-60Hz 1700W

A.9	To be supplied	Digital flow meter;
		Precision digital thermostat to maintain 163 °C;
		Control thermometer ASTM 13C; Ventilation device;
		Eight glass containers 64 mm diameter x140 mm
		height;
		Dual safety thermostat to prevent overheating;
		Wire rack of stainless steel or aluminum, to cool
		sample containers in a horizontal position;
		Tong to hold glass bottle while loading & unloading; Bottle scrapper
В	Pressure Aging Vessel	(1 QTY)
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B.1	Conforming to	EN 14769, ASTM D6521, AASHTO R28
B.2	Pressure vessel	All-stainless steel vertical vessel with hinged lid;
		designed, manufactured, tested & stamped in
		accordance with ASME Boiler & Pressure Vessel
		Code, Section VIII, Division 1 for 2.41 MPa @ 150 °C;
		Bench top unit with oven design, capable of
		operating from standard 30" table;
B.3	Temperature	60 to 120 °C;
		Measured with precision Platinum RDT with $\pm 0.1$ °C
		accuracy & 0.1 °C resolution;
		Control PID digital indication and control: accuracy set-point of $\pm 0.3$ °C;
		Uniformity of $\pm 0.5$ °C of aging temperature when
		pressurized;
		Over-temperature protection at 150 °C: limit shut-
		down switch;
B.4	Pressure	0.00 MPa to 2.10 MPa; measurement via solid-state
		pressure transducer with: Resolution of 0.003 MPa;
		Accuracy of $\pm 0.01$ MPa; &
		Range of 0-3.45 MPa;
		Depressurization should be automatic & complete
		within time frame as per AASHTO procedure;
B.5	Aging time	Up to 99 hours; Timing displays of:
		- Elapsed aging time (from pressurization);
		- Cumulative time out of temperature tolerance (± 0.5 °C);
		- Cumulative time out of pressure tolerance ( $\pm 0.5$ °C)
B.6	System controller	Touch screen operator interface: prompted process
		control;
		Data logging: all data downloads during the ageing run via USB drive, including, temperature (wall &
		air), pressure, elapsed time, temperature error time,
		pressure error time and power consumption;
		USB port for software upgrades and data download;
		Should have ability to run software for research by
		varying parameters such as temperature, pressure &
		time:

B.7	Alarms	For timing: - Temperature out of tolerance by more than ± 0.5 °C in excess of 60 minutes; or failure to achieve reheating or pressurization within two hours of loading specimens - Pressure out of tolerance by more than ± 0.5 °C for five minutes; or failure to achieve initial pressure of at least 2.00 MPa - Pressure > design limit of 2.41 MPa or < set-point by more than 0.10 MPa - Over-temperature condition (in excess of 150 °C) with power cut-off to oven
B.8	Remote monitoring & control	Capability to monitor & control the system remotely, including start up pre-heat, shut-down of the system, etc.
B.9	Power supply	230V 1ph 50-60 Hz
B.10	To be supplied	<ol> <li>set of TFOT pan (10 Nos.);</li> <li>Rack for holding TFOT Pan - 1No.;</li> <li>Calibrated pressure relief valve -1 No.;</li> <li>Air exhaust muffler - 1 No.;</li> <li>2-piece removable insulation cover - 1 No.;</li> <li>USB drive - 1 No.;</li> <li>6 feet long flexible air supply hose with in line filter &amp; quick disconnect fittings - 1 No.;</li> <li>Handle for TFOT pan rack - 1 No.;</li> <li>Software for process data download - 1No.;</li> <li>Nos. spare O-rings - 1 set</li> </ol>
B.11	Double stage air pressure regulator	With inlet and outlet pressure gauges - 1 No. MOC: SS 304 / SS316; Inlet Pressure: 0 - 150 Bar; Outlet Pressure: 0 - 40 Bar; Inlet Connectio : cylinder connection of Zero air regulator; Outlet connection: 5/8" BSP or as per requirement; To be supplied with brand new empty cylinder high pressure seamless steel zero air cylinder cylinder as per IS:7285-1988 with Bull nose valve as per IS:3224-1979; Water capacity: 47 ltr/gas capacity 7 CUM; The cylinder should be filled with zero air of the following specification: zero air, with due point -40 °C O2 - 19 to 21% THC < 2ppm Moisture < 2 ppm

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B.12	Vacuum degassing oven (VDO)	In accordance to ASTM D6521 & AASHTO R-28; Should indicate Pressure vacuum in KPa absolute; Should give automatic vacuum control & time control; Vacuum pump should be electric driven; Pressure: 0 to -30 In Hg absolute [0 to -115kPa absolute]; Digital temperature controller with 2 stage timing & relay control of vacuum with preheat to 170 °C; Process control: 10 min reheat time & 30 min of heat with vacuum; Supplied with vacuum vessel, steel lid with 5 ½" diameter heat resistance glass viewing port, vacuum adjustment metering valve, sample vessels & operators manual; Should operate on 220V 1 ph 50Hz; To be supplied: One leak tight vacuum vessel with 220-240V electric vacuum pump; 4 each 250 ml sample tins; 5 each O-ring gaskets; Operator's manual - 1 No.; Power cord, 220-240 VAC, IEC 320-type -1 No.; Steel lid w/5½" diameter heat resistant glass viewing port & metering valve for vacuum adjustment - 1 No.
		viewing port & metering valve for vacuum

#### FORMAT FOR SELF-CERTIFICATION UNDER PREFERENCE TO MAKE IN INDIA (TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

Format for Affidavit of Self-Certification regarding Minimum Local Content in line with "Make in India" Policy vide Gol Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019, 04.06.2020 and 16-09-2020)

Date: \_\_\_\_\_\_ I/We \_\_\_\_\_ S/o, D/o, W/o, \_\_\_\_\_ Resident of

Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 (hereinafter PPP-MII order) of Government of India issued vide Notification No:P-45021/2/2017 -BE-II dated 15/06/2017, its revision dated 28/05/2018 and any subsequent modifications/Amendments, if any and

That the local content for all inputs which constitute the said goods/services/works has been verified by me and I am responsible for the correctness of the claims made therein.

Tick ( ✓	) and Fill theAppropriate Category
	I/We [name of the manufacturer] hereby confirm in respect of quoted items(s) that
	Local Content is equal to or more than 50% and come under "Class-I Local Supplier" category.
	I/We [name of the manufacturer] hereby confirm in respect of quoted items(s) that
	Local Content is more than 20% but less than 50% and come under "Class-II Local Supplier" category.
	I/We [name of the manufacturer] hereby confirm in respect of quoted items(s) that
	Local Content is less than or equal to 20% come under "Non-Local Supplier" category.

For and on behalf of...... (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors) <Insert Name, Designation and Contact No.>

[Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.]

#### **<u>BID SECURITY DECLARATION FORM</u>** (TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

Date:

Tender No.

To (insert complete name and address of the purchase)

I/We. The undersigned, declare that:

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

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

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

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

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

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

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

Dated on \_\_\_\_\_ day of \_\_\_\_\_(insert date of signing)

Corporate Seal (where appropriate)

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

#### Note:

This letter should be on the <u>letterhead of the quoting firm</u> and should be signed by a Competent Authority. Non-submission of this will lead to DISQUALIFICATION of bids.

#### UNDERTAKING BY THE BIDDER

#### (TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

We here by accept all the Terms and Conditions of the Tender Document and strictly adhere to the same in the event of getting Purchase order. We also declare that the Technical and Financial Bids submitted by us has NO DEIVATION from the Tender Terms and Conditions.

# We here by accept that the PRICES OF THE EQUIPMENT/ITEMS QUOTED IS AS PER THE CLAUSE NO.6 OF THE TENDER DOCUMENT.

We hereby undertake that there are \_\_\_\_\_ pages, serially numbered, in the submitted tender including the supporting documents. (Please serially number all the pages including blank page, if any).

We have submitted our principal's exclusive authorization letter which is specific for this tender No.\_\_\_\_\_\_ dated \_\_\_\_\_.

#### Note:

This letter should be on the <u>letterhead of the quoting firm</u> and should be signed by a Competent Authority.

ANNEXURE-V

#### <u>FALL CLAUSE NOTICE CERTIFICATE</u> (TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

This is to certify that we have offered the maximum possible discount to you in our Quotation No. \_\_\_\_\_\_ dated \_\_\_\_\_\_ (Please do not reveal the prices here, which will lead to outright rejection of

your bid).

The prices charged for the Stores supplied under tender should under no event be higher than the lowest prices at which the party sells the items of identical description to any other Govt. organization/PSU's/Central Govt, /State Govt. Autonomous bodies/Central/state Universities/Central/State Educational Institutions, failing which the "FALL CLAUSE" will be applicable. The institute will look into a reasonable past period to ensure this.

In case, if the price charged by our firm is found to be more, **IIT Palakkad** will have the right to recover the excess charged amount from the subsequent/unpaid bill of the supplier.

Note:

This letter of authority should be on the <u>letterhead of the quoting firm</u> and should be signed by a Competent Authority and having the power of attorney.