

भारतीय प्रौद्योगिकी संस्थान तिरुपति

Indian Institute of Technology Tirupati Renigunta Road, Settipalli Post, Tirupati – 517506

Telephone: 0877-2503572, Email: purchase@iittp.ac.in

Tender No. IITT/ CHEM/2021-22/373

18th April 2022.

NOTICE INVITING TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF MICRO–PARTICLE IMAGE VELOCIMETRY (μ -PIV) SYSTEM WITH PLUG AND PLAY TECHNOLOGY

(E-PROCUREMENT MODE ONLY)

Indian Institute of Technology Tirupati (IIT Tirupati) invites online bids (e-tender) in Two bid system from eligible Class-I & Class-II in line with Government Public Procurement order No.P-45021/2/2017-BE-II dated: 04.06.2020 for the following:

Item Description	Quantity (approx.)	Tender Fee (Inclusive of all taxes in Rs.)
Supply, installation, testing and commissioning of Micro–Particle Image Velocimetry (µ-PIV) system with plug and play technology as per the specifications of the tender documents	01 Unit	1500/-
Total		1500/-

The Tender Document can be downloaded from Central Public Procurement (CPP) Portal http://eprocure.gov.in/eprocure/app and bid is to be submitted online only through the same portal up to the last date and time of submission of tender.

Critical Dates of Tender:

1	Date and time of Online Publication/Download of Tenders	18-04-2022	18.00 hrs
2	Bid submission start date & time	18-04-2022	18.00 hrs
3	Bid submission close date & time	05-05-2022	15.00 hrs
4	Closing date & time for submission of EMD/Tender fee	05-05-2022	15.00 hrs
5	Opening of Technical bids	06-05-2022	15.00 hrs

1. About IIT TIRUPATI:

Indian Institute of Technology Tirupati (IIT Tirupati) is an Autonomous Institute under Ministry of Education, Govt. of India.

2. Technical Specifications: Schedule of requirement

S.No		ption with Specifications			
1	Micro–Particle Image Velocimetry (µ-PIV) system with plug and play technology - 01 unit				
	• The	vendor should provide the complete setup for micro-particle imaging velocimetry (µ			
	PIV)	with all necessary parts/ accessories/ connectors as indicated below and any other	r		
	part	s for its full functionality to provide the flow streamlines, velocity field and	b		
	mag	gnitude.			
	• The	minimum requirements of the instrument and monitoring system must consist o	f		
	the	equipment/ instruments/ accessories as indicated below.			
	• Imp	roved features can be considered with regard to the specifications as indicated.			
	s.no	Item description	Qty		
	1.	Double-Cavity Low-speed μ-PIV laser			
	1.	a) Repetition rate should be a range of 0- 15 Hz or better			
		ы) Energy at a wavelength of 532 nm should be 2 X 145 mj or better.			
		e) Wavelength should be 532 nm			
		d) Energy stability should be $\pm 2\%$ RMS or better			
		e) Beam diameter should be less than 7 mm			
		f) Beam divergence should be ~ 3 mrad			
		g) Pulse width should be 6-9 ns			
		h) Beam pointing stability should be less than 100 μrad			
		i) The item Should Include laser controller and motorized attenuator			
	2.	High resolution camera	01		
		a) Should be the state-of-the-art low noise, Back-illuminated CMOS			
		camera for High-resolution imaging of Micron particles			
		b) Full Resolution should be 5 Megapixel or higher			
		c) Pixel size should be 3 μm or lower			
		d) Digital Output should be 12 bit or higher			
		e) Frame rate at full resolution should be > 80 fps			
		f) Spectral range should be 400- 900 nm			

	7	
	g) Full well capacity should be > 9000 e ⁻	
	h) Noise should be max 2 e ⁻	
	i) Maximum Quantum efficiency should be > 70 % @ 532 nm	
	j) Interframe time should be 300 ns or lower	
	k) Interface: CoaXpress/ USB/ Camlink (min. 10 meter length)	
	l) Lens mount: F-mount & c-mount.	
3.	Controller:	01
	a) Compact integrated built-in computer, synchronization unit and frame	
	grabber with one power supply	
	b) Temporal precision type: 50 ps or lower	
	c) The interface must be PCle/USB compatible	
4.	12 or more definable outputs channels Basic Image acquisition software: 2D PIV Software module	01
٠,	a) The image acquisition software should be the latest version processing for	V1
	Windows 10 or later, with lifetime license: free support through email and	
	phone; can be installed on any number of computers (Floating License).	
	to cross or auto-correlation method main features:	
	i. High-resolution PIVii. Second-order correlation	
	iii. Window deformation technique	
	iv. Flexible acquisition menus	
	v. Online data analysis	
	vi. Vector field calculation	
	vii. Advanced post-processing	
	viii. Averaged vector fields in separate windows	
	ix. Easy upgrade to 3D stereo PIV and Tomo PIV.	
	x. Adaptive PIV routines for automatic optimization of PIV recording	
	and processing parameters.	
	xi. PIV uncertainty quantification algorithm based on correlation statistics	
	for both single vector and derived quantities (average, standard	
	deviation & vorticity) to verify the experimental PIV data obtained	
	case by case.	
	Note: Proof with documented manual and publications to be provided as supporting documents with the technical offer.	
5.	Stereo Microscope:	01
	Motorised z-axis for focus adjustment, 20x zoom, connections for two cameras,	

	eyepieces, 100% switchable between eyepieces and cameras, control of			
	motorized focus function with external touch screen system control panel and via			
	software			
	Accessories:			
	a) Objectives:			
	i. for Stereo Microscope, Type: Achromat S 0.63x, Free working			
	distance 107 mm			
	ii. for Stereo Microscope, Type: Apochromat S 0.3x, Free working			
	distance 234 mm			
	iii. for Stereo Microscope, Type: Plan-Apochromat 1.5x, Free working			
	distance 30 mm			
	iv. for Stereo Microscope, Type: Plan-Apochromat 1.0x, Free working			
	distance 60 mm			
	b) Stereo Microscope and Camera Mounting: 95 mm aluminium rail profiles with sliders for mounting optical post, Stereo			
	microscope, and cameras rigidly., suitable for the camera heads.			
	c) Coaxial Illumination Unit: for coaxial illumination with stereo microscope			
	d) Filter Cube And Optics Only in combination with coaxial illumination unit, designed for excitation with			
	532 nm, fluorescence wavelength >= 545 nm			
	e) Optics And Mounts For coupling laser light into optical fibre			
	f) Optical Fiber For laser of length 2 m			
	g) Fiber coupler For coupling optical fiber with high-speed lasers top stereo microscope with coaxial illuminator.			
	Calibration plate of 50 X 12 mm for Micro-PIV measurements.			
6.	Microfluidic Starter Set: Microchannel chip with 12 different microchannels (including square,	01		
	rectangular geometry microchannels and micromixers) with a wide range of			
	channel structures and dimensions, Sampling vessels, Stand with the base plate			
7.	Fluorescent Seeding particles:	01		
	a) Various sizes of red fluorescent particles:	each		
	i. 1 μm (mean diameter)- 10 ml			
	ii. 3 μm (mean diameter)- 10 ml 10 μm (mean diameter)- 10 ml			
8.	Suitable laser safety goggles:	4		
	Laser Safety Goggles suitable for 532 nm.	no.s.		

9.	System Computer:
	a) Intel® Core TM i9-
	b) 10 cores with 3.5 GHz or higher
	c) 2TB or more storage data capacity
	d) 512 GB or more SSD for OS
	e) 32 GB or more RAM
	f) In built windows 10 or later with 64 bit and compatible graphics cards
	g) Optical Mouse and Wired Keyboard Display: Monitor 24 inch
10.	Warranty Complete instruments should have a minimum of 1 year of comprehensive warranty from the date of installation at IIT Tirupati.
11.	Installation and Training Free of cost installation and training at IIT Tirupati
12.	Delivery period 10-12 Weeks from the date of PO.
13.	Delivery Location IIT Tirupati, Yerpedu Campus
14.	Other Requirements
	a) The quotation system should be compatible with free software upgrades.
	b) The vendor should provide a list of similar equipment supplied in India for the last 3 years.
15.	Necessary Documents
	a) Catalogue in the original.
	b) All technical specifications should be printed on the catalogue. The
	separate sheet will not be acceptable.
	c) The quoted model should be of latest technique. Please declare the year with proof.
16.	Supplier's capability:
	a) Availability of after sales service and support in India.
	b) Supplier should compulsorily indicate details of facilities/expertise in
	India.
	c) Factory trained engineer/s & competency should be available in India for complete product support.
17.	Acceptance Criteria
	a) Equipment shall be installed and demonstrated before acceptance at IIT
	Tirupati.
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capable of yielding high performance of overall system. c) All components must be compatible with laser wavelength and energy. d) All the power supply related accessories must be as per Indian standard e) System should be easily upgradable for volumetric PIV. f) Should give complete installation and on-site training of all component start-up, synchronization and performance verification of equipment. g) All the required standalone software must be supplied. All the supplied firmware/software and their upgrades to enhance performance, manageability and security must be available online to download free of cost during the warranty period. 19. Optional Items: a) The vendor should quote 2 years of additional warranty as a separate quote. b) Vendors can quote for any other necessary items separately as optional. 20. The bidder should provide a point-by-point compliance statement for each item/sub-item/component and the compliance statement must be supported by the authenticated documents. Deviation in any component (or subcomponent) must clearly be mentioned. 21 Spares and Service Support: The vendor should issue an undertaking for the availability of spare parts for at least 10 years from the date of a successful.		10 μm as one of the acceptance criteria.
18. Terms and Conditions: a) All mounts, cables, guides, adaptors, light guides, assembly and other mandatory accessories must be included and should be scope of delivery. b) All the supplied hardware components, attachments and software must be capable of yielding high performance of overall system. c) All components must be compatible with laser wavelength and energy. d) All the power supply related accessories must be as per Indian standard e) System should be easily upgradable for volumetric PIV. f) Should give complete installation and on-site training of all component start-up, synchronization and performance verification of equipment. g) All the required standalone software must be supplied. All the supplied firmware/software and their upgrades to enhance performance, manageability and security must be available online to download free of cost during the warranty period. 19. Optional Items: a) The vendor should quote 2 years of additional warranty as a separate quote. b) Vendors can quote for any other necessary items separately as optional. 20. The bidder should provide a point-by-point compliance statement for each item/sub-item/component and the compliance statement must be supported by the authenticated documents. Deviation in any component (or subcomponent) must clearly be mentioned. 21 Spares and Service Support: The vendor should issue an undertaking for the availability of spare parts for at least 10 years from the date of a successful.		*
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	21	Spares and Service Support: The vendor should issue an undertaking for the
installation.		availability of spare parts for at least 10 years from the date of a successful
		installation.

All offered products technical Specifications and Brochures are to be submitted along with the Technical Bid.

3. TENDER FEE & BID SECURITY DECLARATION DETAILS:

- **3.1 Tender Fee of Rs.1500/- (Rupees fifteen hundred only)** should be submitted through ECS (Bank transfer / NEFT / RTGS) in favour of <u>Indian Institute of Technology Tirupati</u>.
- 3.2 Bank A/c Details for crediting Tender Fee:

Name : Indian institute of Technology Tirupati Main Account

Bank : State Bank of India

Account No : 35523338208 IFSC Code : SBIN0006677

3.3 Tender Fee and Bid Security Exemption:

I) Micro and Small Enterprises (MSEs):

Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) **for goods produced and services rendered**, are exempted from Tender fee and Bid Security. However, they have to enclose **valid self-attested registration certificate(s)** along with the tender to this effect.

Accordingly, MSEs shall be required to submit valid **Udyam Registration Certificate** for availing benefit under MSE Procurement Policy.

The benefit as above to MSEs shall be available only for Goods produced and services rendered by MSEs. However, traders are excluded from the purview of MSE Procurement Policy.

II) Startup(s):

Startup(s) as recognized by **Department for Promotion of Industry and Internal Trade (DPIIT)**, Govt. of India, are exempted from Tender fee and Bid Security. However, they have to enclose *valid self-attested registration certificate(s)* along with the tender to this effect.

Eligible MSE and startup bidders who seeks exemption from Tender fee/Bid Security as per clause no. (c) above, if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of three years or as decided by the competent authority from being eligible to submit bids for contracts with the entity that invited the bids.

- **3.4** The Bidders will have to upload scanned copy of Payment details towards tender fee and the same will be accepted only on verification and confirmation by the Institute. Any delay in credit will not be entertained by the Institute. (**As per the format attached in Annexure I**)
- 3.5 Other than eligible MSE and Startup bidders, Bid Security Declaration:

Bidders should have to submit the Bid Security Declaration (As per the format attached in annexure-II) in duly filled and signed condition.

4. ELIGIBILITY CRITERIA

4.1 Other Important Documents (OIDs)

Firm Incorporation Certificate, PAN details, GST details are to be provided.

4.2. Statutory Documents:

- I) The Bidder should give self-declaration certificate for acceptance of all terms & conditions of tender documents. A duly completed certificate to this effect is to be submitted as per the Annexure-I.
- II) The firm should not be in the active debarred list by any Central / State Government / Public Undertaking / Institute and no criminal case registered / pending against the firm or its owner / partners anywhere in India. A duly completed certificate to this effect is to be submitted as per Annexure-III.

III) Experience and Past Performance:

The vendor Should have supplied at least 2 units of the similar make and model to other CFTI institutes like IIT or IISER in the last 3 years **i.e. during 2017-18 to 2019-20 or 2018-19 to 2020-21** in India. The vendor should provide details about the supplied units with purchase orders and specifications. Vendor should provide satisfactory installation certificates with product details as proof with customer contacts email and phone number as per the **Annexure-IV**.

- IV) The Annual Turnover should be at least Rs. 20 Lakhs and be profitable during each of the previous three financial years i.e. during 2017-18 to 2019-20 or 2018-19 to 2020-21. Audited financial Statements or Financial Statements showing turnover duly signed by a Chartered Accountant are to be submitted as per the Annexure-V.
- V) In case the bidder is a <u>Class-I / Class-II</u> in line with the Public Procurement (Preference to Make in India) Order 2017 No. P-45021/2/2017-PP (BE-II) dated 04 Jun 2020 as amended from time to time. A Self-Declaration Certificate regarding "Class-I/Class-II Supplier" for the tendered items as per the Annexure-VI is to be submitted.

As per the OM of Department of Promotion for Industry and Internal Trade No. P-45021/102/2019-BE-II-Part(1) dated: 04.03.2021. The bidders can't claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

- a. 'Local Content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent.
- b. 'Class-I local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50% as defined under this order.
- c. 'Class-II local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has minimum local content of 20% but less than 50%, as defined under this order.
- d. 'Non-local supplier'means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%, as defined under this order.
- e. Complaint redressal mechanism: In case any complaint received by the procuring agency or the concerned Ministry/Department against the claim of a bidder regarding local content/domestic value addition in an electronic product, the same shall be referred to STQC.
- f. The bidder shall be required to furnish the necessary documentation in support of the domestic value addition claimed in an electronic product to STQC. If no information is furnished by the bidder, such laboratories may take further necessary action, to establish the bonafides of the claim.
- g. A complaint fee of Rs. 2 lakh or 1% of the value of the domestically manufactured products being procured (subject to a maximum of Rs.5 lakh), whichever is higher, to be paid by Demand Draft to be deposited with STQC. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.
- h. False declarations will be in breach of the 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.
- VI) The bidder should be OEM or OEM authorized Dealers / Channel partners / Distributors of reputed brand having authorization for sales and after sales support. Valid OEM authorization letter is required to participate in this tender.

VII) Prior Registration and / or Screening of bidders:

Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder registered with the competent authority. The

concerned bidder(s) are required to attach the relevant valid Registration Certificate along with the bid for consideration.

"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.

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

- An entity incorporated, established or registered in such a country; or
- A subsidiary of an entity incorporated, established or registered in such a country or
- An entity substantially controlled through entities incorporated, established or registered in such a country; or
- An entity whose beneficial owner is situated in such a country; or
- An Indian (or other) agent of such an entity; or
- A natural person who is a citizen of such a country; or
- A consortium of joint venture where any member of the consortium or joint venture falls under any of the above.

The detailed terms & conditions issued from time to time in this regard by Government of India will be applicable.

VIII) Authorized Representatives:

Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:

- (i) Their principal manufacturer meets all the criteria above without exemption, and
- ii) The principal manufacturer furnishes a legally enforceable tender-specific authorisation assuring full guarantee and warranty obligations as per the general and special conditions of contract;

and

iii) The bidder himself should have been associated, as authorised representative of the Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar item for past three years ending on bid opening date.

4.3 TECHNICAL CRITERIA

Bidders should comply the specification of the tendered item in all respect. The detailed format is attached at Annexure-VII. The bidder is to complete the same in all respect and submit accordingly

5. FINANCIAL BID DETAILS

- 5.1 Financial bid i.e. BOQ given with tender (in **Excel format**) to be downloaded first and uploaded after filling all relevant information strictly as per the format failing which the offer is liable for rejection. Kindly quote your offer on FOR IIT Tirupati (inclusive of all taxes and charges). **Vendor should quote prices in BOQ only, offers indicating rates anywhere else shall be liable for rejection.**
 - 5.2 Concessional Custom Duty / Concessional GST is applicable to IIT Tirupati as a Research Institution. Necessary Certificate to this effect shall be provided by IIT Tirupati to the supplier.

6. TIME SCHEDULE:

S. No.	Particulars	Date	Time
a.	Date of Online Publication of Tender	18-04-2022	18.00 hrs
b.	Bid Submission Start Date	18-04-2022	18.00 hrs
c.	Bid Submission Close Date	05-05-2022	15.00 hrs
d.	Closing Date & Time for Submission of EMD & Tender Fee	05-05-2022	15.00 hrs
e.	Opening of Technical Bids	06-05-2022	15.00 hrs

7. AVAILABILITY OF TENDER

The tender document can be downloaded from http://eprocure.gov.in/eprocure/app and be submitted only through the same website.

8. BID VALIDITY PERIOD

The bid will remain valid for 90 days from the date of opening as prescribed by IIT Tirupati. A bid valid for a shorter period shall be rejected, being non-responsive.

9. BID SUBMISSION

9.1 Instruction to Bidder

- I) Bidders are required to enrol 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**" on the CPP Portal. **The registration is completely free of charge**.
- II) Possession of a valid Class II/III DSC in the form of smart card / e-token is a prerequisite for registration and participating in the bid submission activities. DSCs

- can be obtained from the authorised certifying agencies recognized by CCA India (e.g. Sify/TCS/nCode/eMudhra etc).
- III) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- IV) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- V) The Bidders are required to log in to the site through the secured log-in by entering their respective user ID / password and the password of the DSC.
- VI) The CPP portal also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for reference.

9.2 TENDER CLARIFICATION

- I) In case the bidders require any clarification regarding the tender documents, they are requested to contact our office Ph. no: 0877-2503572, Email ID: purchase@iittp.ac.in on or before due date.
- II) Technical and Specifications related Clarifications contact our office No: 9840269624 Email ID: anilvir@iittp.ac.in on or before due date.
- III) 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.

9.3 ONLINE BID SUBMISSION PROCEDURE

Cover-1: The file should be saved in a PDF version numbered sequentially and should comprise of the following items:

Packet-1:

Duly Completed Scanned PDF copy of, PAN, GST, Firm Registration certificate and Annexure-I to VIII with relevant supporting documents

Only the relevant documents as per the tender clauses are to be uploaded along with duly completed checklist as per the annexure-IX. Uploading of other than the required documents may liable for rejection of the bid.

Cover-2:

A standard BOQ format has been provided in excel format. Bidders are required to download the BOQ excel file and fill their financial offer on the same BOQ format. After filling the same, submit it online in excel format, without changing the financial template format.

Note:

If the bid is incomplete and / or non-responsive it will be rejected during technical evaluation. The bidder may not be approached for clarifications during the technical evaluation. So, the bidders are requested to ensure that they provide all necessary details in the submitted bids.

10. BID OPENING

- 10.1 Technical Bids will be opened on 06-05-2022 @ **15.00 Hrs.**
- 10.2 Financial Bids of the eligible bidders will be opened on a later date. The date and time for opening of Financial Bids will be announced later.
- 10.3 Bids should be summarily rejected, if tender is submitted other than through online or original tender fee/Bid security declaration are not submitted within stipulated date / time.

11. BID EVALUATION

Based on results of the Technical evaluation IIT Tirupati evaluates the Commercial Bid of those Bidders who gets qualify in the Technical evaluation. <u>The Commercial Bid with the lowest price will be the highest evaluated bid.</u>

11.1 Purchase Preference

I) Micro and Small Enterprises (MSEs):

Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) for goods produced and services rendered, may be provided following purchase preference:

Item wise	Price Quoted by MSE	How the tender shall be finalized
Quantity		
Cannot be split	L1	Full Order on MSE
Cannot be split	Not L1 but within L1 +	Full Order on MSE subject to matching L1
	15%	Price

II) Preference to Make in India

a) In procurement goods or works which are covered under by para 3(b) of the extant Public Procurement (Preference to Make in India) Order 2017 dated 04 June 2020 and which are **divisible** in nature, the "Class-I Local Supplier" shall get purchase preference over "Class-II Local Supplier" as well as "Non-Local Supplier" as per following procedure:

- i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is "Class-I Local Supplier", the contract for full quantity will be awarded to L1.
- ii) If L1 bid is not a "Class-I Local Supplier", 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the "Class-I Local Supplier" will be invited to match L1 price for the remaining 50% quantity subject to the Class-I Local Supplier's quoted price falling within the margin of L1 + 20%, and contract for that quantity shall be awarded to such "Class-I Local Supplier" subject to matching the L1 price. In case such lowest eligible "Class-I Local Supplier" fails to match L1 price or accepts less than the offered quantity, the next higher "Class-I Local Supplier" within the margin of L1 + 20% shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such quantity may be ordered on the L1 bidder.
- b) In procurement goods or works which are covered under by para 3(b) of the extant Public Procurement (Preference to Make in India) Order 2017 dated 04 June 2020 and which are **not divisible** in nature, and in procurement of services where the bid is evaluated on price alone, the "Class-I Local Supplier" shall get purchase preference over "Class-II Local Supplier" as well as "Non-Local Supplier" as per following procedure:
 - i) Among all qualified bids, the lowest bid will be termed as L1.

If L1 is "Class-I Local Supplier", the contract will be awarded to L1.

- ii) **If L1 is not a** "Class-I Local Supplier", the lowest bidder among the Class-I Local Supplier, will be invited to match the L1 price subject to Class-I Local Supplier's quoted price falling within the margin of L1 + 20%, the contract shall be awarded to such Class-I Supplier subject to matching the L1 price.
- iii)In case such lowest eligible Class-I Local Supplier fails to match the L1 price, the "Class-I Local Supplier" with the next higher bid within the margin of L1 + 20% shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the of Class-I Local Supplier within the margin of L1 + 20%, the contract may be awarded to the L1 bidder.
- iv) Class-II Local Supplier will not get purchase preference.

12. PAYMENT TERMS

No advance payment will be made in any case. Bills in Duplicate should be sent and the payment shall be released generally within 30 days, only after it is ensured that the items / quality of the items supplied are to the entire satisfaction of IIT Tirupati and completed the entire work within the stipulated delivery schedule. If any item is found defective, or not of the desired quality etc., the same should be replaced by the firm(s) immediately for which no extra payment shall be made.

13. WARRANTY OF QUALITY AND QUANTITY

- 13.1 The awardee shall give Minimum **1-year Comprehensive warranty** on successful completion of supply, and acceptance of supplied items. **2 years' additional Comprehensive warranty** after completion of OEM standard warranty may be quoted as an optional.
- 13.2 The awardee shall give warranty that all items are as per specification(s), conforming to the specified design and there are no defects in the process of manufacturing, packaging, transportation and delivery.
- 13.3 Upon receipt of notice from IIT Tirupati for defective material, the firm shall **within**15 days of receipt of the notice, replace the defective material, free of cost at the destination. The firm shall take over the defective material at the time of their replacement. No claim whatsoever shall lie on IIT Tirupati for the replaced goods thereafter. If the firm fails to replace the defective goods within a reasonable period, IIT Tirupati may proceed to take such remedial actions as may be necessary, at the company's risk and expense.

14. LIQUIDATED DAMAGES

In case of delay in Supply by the stipulated date, IIT Tirupati reserves the right of imposing penalty @0.5% per week on the value of the undelivered items subject to maximum 10% of the cost of undelivered items.

15. DELIVERY SCHEDULE

15.1 The successful bidder should execute the order successfully i.e. Supply, Installation of ordered item within **10-12 weeks** at IIT Tirupati transit campus, Venkatagiri Road, Yerpedu Post, Tirupati, Chittoor District from the date of issue of the purchase order. In case of any damage/Broken/Expired items found, the item(s) should be replaced within **15 days** at IIT Tirupati. The bidder has to make own arrangement for unloading and positioning of items at the desired location of IIT Tirupati.

16. PERFORMANCE SECURITY DETAILS

- The successful tenderer will have to deposit the performance security valid for 15 Months in the form of DD/TDR/FDR/Bank Guarantee @03% of the total order value at the earliest from the date of issue of the award letter. No interest will be paid by IIT Tirupati on the deposit.
- Performance Security will be refunded to the supplier, after it duly performs and completes the contract/warranty period in all respects.
- 16.3 Performance Security will be forfeited if the firm fails to perform/abide by any of the terms or conditions of the contract.
- In case, the firm fails to execute the order successfully, within specified delivery period, the same goods/items will be procured from open market and the difference of cost, if any, will be recovered from Performance Security or from pending bill(s) of the defaulting firm or from both in case the recoverable amount exceeds the amount of Performance Security.

17. TERMS AND CONDITIONS

17.1 Termination for Insolvency

- The IIT Tirupati may at any time terminate the Contract by giving a written notice to the awarding firm, without compensation to the firm, if the firm becomes bankrupt or otherwise insolvent as declared by the competent Court, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the department.
- II) IIT Tirupati and/or the firm are entitled to withdraw/cancel the rate contract by serving one-month notice on each other. However, once a purchase order is placed on the supplier for supply of a definite quantity in terms of the rate contract during the validity of the rate contract, that purchase order becomes a valid and binding contract.
- III) The courts of Tirupati alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out of this purchase. It is specifically agreed that no court outside and other than Tirupati Court shall have jurisdiction in the matter

17.2 Force Majeure

I) Should any force majeure circumstances arise, each of the contracting parties be excused for the non-fulfilment or for the delayed fulfilment of any of its contractual obligations, if the affected party within 15 days of its occurrence informs in a written form the other party.

II) Force Majeure shall mean fire, flood, natural disaster or other acts such as war, turmoil, sabotage, explosions, epidemics, quarantine restriction, strikes, and lockouts i.e. beyond the control of either party.

17.3 Arbitration

I) All disputes of any kind arising out in connection with the executing the order shall be referred by either party (IIT TIRUPATI or the bidder) after issuance of 30 days' notice in writing to the other party clearly mentioning the nature of dispute to a single arbitrator acceptable to both the parties. The venue for arbitration shall be IIT TIRUPATI India. The jurisdiction of the courts shall be Tirupati, Andhra Pradesh, India.

17.4 Other Conditions

- The bidder has to upload the relevant & readable files only as indicated in the tender documents. In case of any irrelevant or non-readable files, the bid may be rejected.
- II) IIT Tirupati will not be liable for any obligation or supplies made unless the Official Purchase Order has been placed by the Purchase Department.
- III) IIT Tirupati reserves the right to accept or reject any or all the tenders in part or in full or may cancel the tender, without assigning any reason thereof.
- IV) IIT Tirupati reserves the right to relax / amend / withdraw any of the terms and conditions contained in the Tender Document without assigning any reason thereof. Any inquiry after submission of the quotation will not be entertained.
- V) IIT Tirupati reserves the right to modify/change/delete/add any further terms and conditions prior to issue of purchase order.
- VI) In case the bidders/successful bidder(s) are found in breach of any condition(s) at any stage of the tender, Performance Security shall be forfeited.
- VII)False declaration/documents will be in breach of the Code of Integrity under Rule 175(1) (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.
- VIII) Repeat Order: IIT Tirupati reserves the right to place repeat order up to 100% of the quantities within a period of 12 months from the date of successful completion of purchase order at the same rates and terms subject to the condition that there is no downward trend in prices.
 - To take care of any change in the requirement during the currency of the contract, a plus/minus option clause for 25 per cent is incorporated in the tender document, reserving purchaser's right to increase or decrease the quantity of the required goods up to that limit without any change in the terms and conditions and prices quoted by the tenderers.
- IX) Conditional tenders will not be considered in any case.

- X) In case of doubt in material, the expenditure on testing of equipment will be borne by the tenderer.
- XI) Institute reserve the right to increase/decrease the order quantity at any period of times during the validity of the contract.
- XII) IIT Tirupati may issue amendment/corrigendum to tender documents before due date of submission of bid. Any amendment/corrigendum to the tender document if any, issued by IIT Tirupati will be posted on CPP Portal. For the bidders, submitting bids on downloaded tender document, it is 'bidders' responsibility to check for any amendment/corrigendum on the website of IIT Tirupati or check for the same CPP Portal before submitting their duly completed bids.

UNDERTAKING

To

The Registrar,

Indian Institute of Technology Tirupati-Renigunta Road, Settipalli post, Tirupati 517506.

Tender No. IITT/ CHEM/2021-22/373 dated: 18-04-2022.

Name of the Tender/Supply: Notice Inviting Tender for Supply, installation, testing and Commissioning of Micro–Particle Image Velocimetry (μ -PIV) system with plug and play technology.

Sir,

I /we hereby submit our bid for Supply, installation, testing and Commissioning of Micro–Particle Image Velocimetry $(\mu\text{-PIV})$ system with plug and play technology.

I/ We enclosed here with the following in favor of Indian Institute of Technology Tirupati towards Tender Fee.

Particular	Amount	Payment Reference Details	Payment Date
Tender Fee (Including Tax)	1500/-		

- 1. I / We hereby reconfirm and declare that I / We have carefully read, understood & complying the above referred tender document including instructions, terms & conditions, scope of work, schedule of quantities and all the contents stated therein. I / We also confirm that the rates quoted by me / us are inclusive of all taxes, duties etc., applicable as on date.
- 2. I /we have gone through all terms and conditions of the tender document before submitting the same.

Date: Place:		Authorized Signatory
	Seal	Name:
		Designation: Contact No:

On Company Letter Head

Bid Security Declaration

To

The Registrar,

Indian Institute of Technology Tirupati-Renigunta Road, Settipalli post, Tirupati 517506.

Tender No. IITT/ CHEM/2021-22/373 dated: 18-04-2022

Name of the Tender/Supply: Notice Inviting Tender for Supply, installation, testing and Commissioning of Micro–Particle Image Velocimetry (μ -PIV) system with plug and play technology.

Sir,

We, the undersigned declare that

- 1. We understood that, according to the tender conditions, bids must be supported by a Bid Security Declaration.
- 2. We accept that we will automatically be suspended from being eligible for bidding in any contract with the Institute for the period of **3 years** starting from the bid closing date, if we are in breach of our obligation(s) under the bid conditions, because we;
 - (a) have withdrawn our bid during the period of bid validity specified in the letter of bid; or
 - (b) having been notified of the acceptance of our bid by the institute during the period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the tender conditions.

Date: Place:		Authorized Signatory
	Seal	Name:
		20 of 34 P a g e

Designation: Contact No:

ANNEXURE – III

CERTIFICATE (To be provided on letter head of the firm)

I hereby certify that the above firm is not in the active debarred list by any Central/State Government/Public Undertaking/Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm may be blacklisted.

Date:		Authorized Signatory
Place:	Seal	Name:
i iacc.		Designation: Contact No.:

ANNEXURE – IV

a) Experience: (As per tender Clause No.4.2 (III)

Year	Name of the Item with Specification (Technical specification brochure to be	Purchase Order No. & Date (Copy of the Orders to be attached)	Date of successfully completion of SITC of ordered Item (copy of Installation report from client	Contact Details of Client
	attached)		to be attached)	
2017-18				
2018-19				
2019-20				
2020-21				

b) Past Performance: (As per tender Clause No.4.2 (III)

Year	Purchase Order No. & Date (Copy of the Orders to be attached)	Quantity	Date of successfully completion of SITC of ordered Item (copy of report from client to be attached)	Whether supplied item(s) is in successful operation for at least one year (Certificate from client to be attached)	Contact Details of Client [email and phone no]
2017-18			attacheu)	attachea	
2018-19					
2019-20					
2020-21					

Date :		Authorized Signatory
Place:	Seal	Name: Designation:
		Contact No.:

ANNEXURE – V

Annual Turnover and Profit Details:

	Evalu	ation Criteria		Remark	Specific page no. where the proof of documents are enclosed
Bidder's Annual	Financial Year	Turnover in Rs.	Annual Profit in Rs.	-	
Turnover and Profit for last	2020-21			Supporting Documents are to be	
three financial	2019-20			attached along with the Annexure-V [i.e. Audited financial	
years	2018-19			Statements or Financial Statements showing turnover duly signed by a Chartered	
	2017-18			Accountant are to be submitted]	

Date:		Authorized Signatory:
		Name:
Place:	Seal	Designation:
		Contact No.:

Format for Self-Declaration under preference to make in India order

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II date. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated: 04 June 2020. We hereby certify that we M/s (supplier name) are CLASS -
I/Class-II (Please specify clearly) supplier meeting the requirement of local content more than 20% as defined in above orders for the material against Enquiry No. Tender No. IITT/ CHEM/2021-22/373 dated: 18-04-2022.
Details of location at which local value addition will be made as follows: (Complete address to be mentioned)
Percentage of Local Content:
(As per the OM of Department of Promotion for Industry and Internal Trade No. P-45021/102/2019-BE-II-Part(1) dated: 04.03.2021. The bidders can't claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition)
We also understand, false declarations will be in breach of the 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.
Seal and signature of Supplier
Date : Place :

Technical Compliance statement

	Description		Compl	Remar	Offere	% of	Coun
			ied	ks, if	d	Local	try of
			(Yes/	any	Make	Content	Origi
			No)		&	as per	n
					Model	Tender Clause	
						No.4.2(
						V)	
Micro-Par	rticle Image Velocimetry (µ-PIV) system with	plug				. ,	
and play te	echnology - 01 unit						
• The	e vendor should provide the complete setup for						
mic	cro-particle imaging velocimetry (μ-PIV) with all						
	cessary parts/ accessories/ connectors as indicated						
	ow and any other parts for its full functionality to						
pro	ovide the flow streamlines, velocity field and						
	gnitude.						
• The	e minimum requirements of the instrument and						
mo	onitoring system must consist of the equipment/						
inst	truments/ accessories as indicated below.						
	proved features can be considered with regard to ecifications as indicated.	the					
s.n o	Item description	Q ty					
1.	Double-Cavity Low-speed μ-PIV laser	01					
	a) Repetition rate should be a range of						
	0- 15 Hz or better						
	b) Energy at a wavelength of 532 nm						
	should be 2 X 145 mj or better.						
	c) Wavelength should be 532 nm						
	d) Energy stability should be ±2%						
	RMS or better						
	e) Beam diameter should be less than						
	7 mm						

	T.	Doom divorgence should be 2				
	f)	Beam divergence should be ~ 3				
		mrad				
	g)	Pulse width should be 6-9 ns				
	h)	Beam pointing stability should be				
		less than 100 µrad				
	i)	The item Should Include laser				
		controller and motorized attenuator				
2.	High r	resolution camera	01			
	a)	Should be the state-of-the-art low				
		noise, Back-illuminated CMOS				
		camera for High-resolution imaging				
		of Micron particles				
	b)	Full Resolution should be 5 Megapixel or higher				
	c)	Pixel size should be 3 µm or lower				
	d)	Digital Output should be 12 bit or higher				
	e)	Frame rate at full resolution should be > 80 fps				
	f)	Spectral range should be 400- 900 nm				
	g)	Full well capacity should be > 9000 e				
	h)	Noise should be max 2 e ⁻				
	i)	Maximum Quantum efficiency should be > 70 % @ 532 nm				
	j)	Interframe time should be 300 ns or lower				
	k)	Interface: CoaXpress/ USB/ Camlink (min. 10 meter length)				
	1)	Lens mount: F-mount & c-mount.				
3.	Contro	oller:	01			
	a)	Compact integrated built-in computer,				
		synchronization unit and frame grabber				
		with one power supply				
	b)	Temporal precision type: 50 ps or lower				
	c)	The interface must be PCle/USB compatible				
	d)	12 or more definable outputs channels				
4.		Image acquisition software: 2D PIV are module	01			
	d)	The image acquisition software should be				
	/			<u> </u>		

	the latest version processing for Windows
	10 or later, with lifetime license: free
	support through email and phone; can be
	installed on any number of computers
	(Floating License).
	e) Software should have a plug-in for Matlab for post-processing the data.
	f) For image acquisition and analysis of 2-
	dimensional flow fields according to cross
	or auto-correlation method main features:
	i. High-resolution PIV
	ii. Second-order correlation
	iii. Window deformation technique
	iv. Flexible acquisition menus
	v. Online data analysis
	vi. Vector field calculation
	vii. Advanced post-processing
	viii. Averaged vector fields in separate windows
	ix. Easy upgrade to 3D stereo PIV and Tomo PIV.
	x. Adaptive PIV routines for automatic
	optimization of PIV recording and
	processing parameters.
	xi. PIV uncertainty quantification
	algorithm based on correlation
	statistics for both single vector and
	derived quantities (average, standard
	deviation & vorticity) to verify the
	experimental PIV data obtained case by
	case.
	Note: Proof with documented manual and publications to be provided as supporting documents with the technical offer.
5.	Stereo Microscope: Motorised z-axis for focus adjustment, 20x zoom,
	connections for two cameras, eyepieces, 100%
	switchable between eyepieces and cameras,
	control of motorized focus function with external
	touch screen system control panel and via software
	97 of 24 D o x o

	Accessories:					
	a) Objectives:					
	i. for Stereo Microscope, Type:					
	Achromat S 0.63x, Free working					
	distance 107 mm					
	ii. for Stereo Microscope, Type:					
	Apochromat S 0.3x, Free working					
	distance 234 mm					
	iii. for Stereo Microscope, Type: Plan-					
	Apochromat 1.5x, Free working					
	distance 30 mm					
	iv. for Stereo Microscope, Type: Plan-					
	Apochromat 1.0x, Free working					
	distance 60 mm					
	b) Stereo Microscope and Camera Mounting:					
	95 mm aluminium rail profiles with sliders for					
	mounting optical post, Stereo microscope, and					
	cameras rigidly., suitable for the camera heads.					
	c) Coaxial Illumination Unit:					
	for coaxial illumination with stereo microscope					
	d) Filter Cube And Optics Only in combination with coaxial illumination unit,					
	designed for excitation with 532 nm, fluorescence					
	wavelength >= 545 nm					
	e) Optics And Mounts For coupling laser light into optical fibre					
	f) Optical Fiber For laser of length 2 m					
	g) Fiber coupler For coupling optical fiber with high-					
	speed lasers top stereo microscope					
	with coaxial illuminator.					
	h) Calibration plate of 50 X 12 mm for Micro-					
	PIV measurements.					
6.	Microfluidic Starter Set: Microchannel chip with 12 different	01				
	microchannels (including square, rectangular					
	geometry microchannels and micromixers)					
	with a wide range of					
	channel structures and dimensions, Sampling					

	vessels, Stand with the base plate	
7	Elyanogaant Caading nautialase	01
7.	Fluorescent Seeding particles:	01 ea
	a) Various sizes of red fluorescent particles: : I. 1 µm (mean diameter)- 10 ml	ch
	II. 3 μm (mean diameter)- 10 ml	
	III. 10 μm (mean diameter)- 10 ml	
8.	Suitable laser safety goggles: Laser Safety Goggles suitable for 532 nm.	4 n o. s.
9.	System Computer:	
	a) Intel® Core TM i9-	
	b) 10 cores with 3.5 GHz or higher	
	c) 2TB or more storage data capacity	
	d) 512 GB or more SSD for OS	
	e) 32 GB or more RAM	
	f) In built windows 10 or later with 64 bit and compatible graphics cards	
	g) Optical Mouse and Wired Keyboard	
	h) Display: Monitor 24 inch	
10	Warranty Complete instruments should have a minimum of 1 year of comprehensive warranty from the date of installation at IIT Tirupati.	
11	Installation and Training	
	Free of cost installation and training at IIT Tirupati	
12	Delivery period 10-12 Weeks from the date of PO.	
13	Delivery Location IIT Tirupati, Yerpedu Campus	
14	Other Requirements a) The quotation system should be compatible with free software upgrades.	
	b) The vendor should provide a list of similar	
	equipment supplied in India for the last 3 years.	
15	Necessary Documents	
	a) Catalogue in the original.	
	b) All technical specifications should be	
	printed on the catalogue. The separate sheet	
	will not be acceptable.	
	c) The quoted model should be of latest technique. Please declare the year with proof.	

a) Availability of after sales service and support in India.
b) Supplier should compulsorily indicate
details of facilities/expertise in India.
c) Factory trained engineer/s & competency should be available in India for complete product support.
7 Acceptance Criteria
a) Equipment shall be installed and
demonstrated before acceptance at IIT
Tirupati.
b) The vendor must demonstrate the tracking
of particles of size less than 10 μm as one of
the acceptance criteria.
c) The vendor also needs to do a complete demonstration of the complete setup for its full functionality.
18 Terms and Conditions:
a. All mounts, cables, guides,
adaptors, light guides, assembly
and other mandatory accessories
must be included and should be
scope of delivery.
b. All the supplied hardware
components, attachments and
software must be capable of yielding
high performance of overall system.
c) All components must be compatible with laser wavelength and energy.
d) All the power supply related accessories must be as per Indian standard
e) System should be easily upgradable for volumetric PIV.
f) Should give complete installation and on-site
training of all components, start-up,
synchronization and performance verification of
equipment.
g) All the required standalone software must be supplied. All the supplied firmware/software and their upgrades to enhance performance, manageability

	and security must be available online to download free of cost during the warranty period.	
19	Optional Items:	
•	a) The vendor should quote 2 years of	
	additional warranty as a separate quote.	
	Vendors can quote for any other necessary items separately as optional.	
20	The bidder should provide a point-by-point	
•	compliance statement for each item/sub-	
	item/component and the compliance statement	
	must be supported by the authenticated	
	documents. Deviation in any component (or sub-	
	component) must clearly be mentioned.	
21	Spares and Service Support: The vendor should	
	issue an undertaking for the availability of spare	
	parts for at least 10 years from the date of a	
	successful installation.	
22	Soons of woments	
	Scope of warranty:	

COMPANY DETAILS

Name of the bidder		
Date of Incorporation / Registration details		
PAN Number		
GST Registration Number		
Bidder's Bidding Capacity for the tendered items (As a Manufacturer/ Trader/ dealer / channel partner / system integrator, etc.)		
	Account Number	
	IFS Code	
Bank Details	Bank Name	
	Branch Name	
Registered Office Address		
Authorized Signatory Details	Name	
	Designation	
(Company/Firm Authorization by the competent authority, to	Email	
be attached)	Phone	
	Name	
Details of Contact other than Authorized Signatory	Designation	
	Email	
	Phone	
Date:		Signature and Seal of the Tenderer:
Place:		Name in Block Letter:
		Designation:

Contact no.

ANNEXURE-IX

CHECKLIST FOR BIDDERS TO BE SUBMITTED IN DULY FILLED AND SIGNED

	ECKLIST FOR DIDDERS TO BE SUDMITTED IN			
Tender	Name of the Document	Document	Submitted	Page No. of
Clause		Particulars	(Yes/No)	the attached
No.				Document
3.1	Tender Fee			
3.4	Bid security Declaration (Annexure-II)			
3.3	Valid Tender Fee / EMD Exemption Certificate			
4.1.	PAN Card			
	Incorporation/Registration certificate of company			
	GST Registration copy			
4.2.(I)	Tender acceptance letter (Annexure I)			
4.2.(II)	Non-Blacklisting undertaking (Annexure III)			
4.2.(III)	The vendor Should have supplied at least 2 units of			
	the similar make and model to other CFTI institutes			
	like IIT or IISER in the last 3 years i.e. during 2017-			
	18 to 2019-20 or 2018-19 to 2020-21 in India. The			
	vendor should provide details about the supplied units			
	with purchase orders and specifications. Vendor			
	should provide satisfactory installation certificates			
	with product details as proof with customer contacts			
	email and phone number as per the Annexure-IV .			
4.2.(IV)	The Annual Turnover should be at least Rs. 20 Lakhs			
	and be profitable during each of the previous three			
	financial years i.e. during 2017-18 to 2019-20 or			
	2018-19 to 2020-21. Audited financial Statements or			
	Financial Statements showing turnover duly signed by			
	a Chartered Accountant are to be submitted as per the			
	Annexure-V.			
4.2 (11)				
4.2.(V)	The bidder should be a <u>Class-I/Class</u> in line with the			
	Public Procurement (Preference to Make in India)			
	Order 2017 No. P-45021/2/2017-PP (BE-II) dated 04			
	Jun 2020. A Self-Declaration Certificate regarding			
	"Class-I & Class-II Supplier" for the tendered items as			
	per the Annexure-VI is to be submitted.			
4.2.(VI)	The bidder should be OEM or OEM authorized			
	Dealers / Channel partners / Distributors of reputed			
	-			
	brand having authorization for sales and after sales			
	support. Valid OEM authorization letter is required to			
	participate in this tender.			
4.2.(VII)	Any bidder from a country which shares a land border			
	with India will be eligible to bid in this tender only if			
	the bidder registered with the competent authority.			
	The concerned bidder(s) are required to attach the			
	relevant valid Registration Certificate along with the			
	bid for consideration.			

4.3	Technical Compliance Statement : Annexure-VII.		
11.1 (I)	Purchase Preference: (if applicable)		
	Micro and Small Enterprises (MSEs):		
11.2 (II)	Purchase Preference: Make in India		
12	Payment Term: Within 30 days after SITC.		
13.	Onsite Warranty: Minimum 01 Year onsite warranty		
	• 2 years extended comprehensive		
	warranty may be quoted as an optional in		
	the BoQ.		
2.21	Spares and service support: Minimum 10 years		
	from the date of supply		
15	Delivery: FOR IIT Tirupati within 10-12 weeks		
8	Bid validity: 90 days from the date of opening of the		
	tender		
	Company details : Annexure-VIII	·	

Note:

- 1) Submission of tender without the above mentioned documents will lead to rejection/disqualification of the tender.
- 2) It is mandatary for the bidder to assign page numbers to the tender documents and the same has to be mentioned in the above checklist.

Signature of the bidder with stamp