



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2023/B/3473488
Dated/दिनांक : 08-06-2023

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	20-06-2023 13:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	20-06-2023 13:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Education
Department Name/विभाग का नाम	Department Of Higher Education
Organisation Name/संगठन का नाम	Indian Institute Of Information Tehnology(iiits)
Office Name/कार्यालय का नाम	Kurnool
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	Chemical Vapour Deposition System (Q3)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	15 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	30 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

Bid Details/बिड विवरण	
Past Performance/विगत प्रदर्शन	50 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	20000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	14

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

Director IIITDM Kurnool
IIITDM Kurnool, Jagannathagattu, Kurnool, Andhra Pradesh - 518008
(Prof DvIn Somayajulu)

Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.
6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid

in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

7. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Chemical Vapour Deposition System (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

* As per GeM Category Specification/जेम केटेगरी विशिष्टि के अनुसार

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Application/Type	Application	Carbon Nanotubes (CNTs)
Tube Furnace	Number of Zones	3
	Maximum Temperature	1200 degree Celsius, 1800 degree Celsius
	Shell Contrsrtion Finish	Powder Coat painting
	Cooling Rate	5.0 (degree Celsius)
	Furnace tube size	55, 60, 65 Or higher (millimeter)
	Tempeature Control features	Auto tune function
	Heating Rate	5.0 (degree Celsius)
	Temperature Accuracy	+/- 1 degC
	Number of precision temperature controllers	3
	Insulation	Vacuum formed Zirconia fiber
	Number of programmable segment	8, 16, 30 Or higher
	Three Heating Zone	900 (millimeter)
	Tube Furnace Working Temperature	400-1200 degree celsius, 100-1800 degree celsius
	Shell Contrsrtion Material	Stainless Steel
Gas Supply System	Types of Gas Calibrated	Argon, Methane, Hydrogen, Acateylene, Nitrogen, Oxygen, Ammonia

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Material of Mass Flow Controller Type	Stainless Steel
	Number of Spare MFC slot	1, 2 Or higher
	Number of gas manifold lines	3, 4, 8 Or higher
	Mass Flow Controller Type	Digital
	Manifold Material	SS 316
	Mass Flow Controller Features	Electronic Mass Flow Controller with digital readout or control through software
Pipe Line Connection	Material of all pipe line connection	SS316
	Pipe lines/Vent valve/Fittings/Pressure locking sysem Appropraite method apply	Yes
Water Cooler Properties	Copper fitting should be provide with water cooling arrangement	Yes, No
	If yes Unit Capacity	1 Tr, NA
	Water Chilling Unit Installed	Yes
	Water Cooler Working Temperature	5- 10 degree Celsius
	Water Chilling Unit Features	Automatic on/off digital temperature with set tempearture, NA
Exhaust Sytem	Stage 2	Charcoal Filter
	Stage 1	Oil Mist Eliminator
	Number of stage of exhaust System	2
Substrate Holder/Sample Loading/Unloading	Types substrates shall be capable for handling	Silicon wafer, Quartz wafer, fiber fabrics
	The substrate holder temperature	>= 850 degC
Accessories	Accessories	Turbo Pumping System to Vacuum Port of KF25NW Fitting , in Tube Furnaces/Vacuum Chambers, Stainless Steel KF25 Hand Operated Right-angle Vacuum Isolation Valve, Aluminium KF25 Hand Operated Right-angle Vacuum Isolation Valve, Suitable Conical Reducer from CFF 6 to KF25 Vacuum Connection, KF25 Vacuum Tee Connector, Stainless Steel Bellow-KF25-1 Meter long, Solid Source Vapor Delivery Kit for Oxide Nanowire Growth, All O rings and copper gaskets, Fuses
Safety	Safety Features	Thermocouple breakdown alarm
Certification	Certification	UL

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
General Technical Requirements	General Technical Requirements	Gas delivery system must shut off the supply in the event of leak rate exceeds the desired limits
Control System Properties	Display/Monitor Size	0 - 22 (inch)
	Harddisk Capacity	0, 250, 500, 1024 (gigabyte)
	RAM	0, 2, 4 (gigabyte)
Software Properties	Software Features	Computer control System with Graphical user interface for complete process related controls such as vacuum level, gas flow rates, gas pressure, process temperatures, voltage and current, Provision for manual setting, Automated experiment programming}Real time instrument readout, Alarm display, Administration management, Preprogramed setting for single and multiwalled CNTs Graphene and oxide nanowire etc, Facbrication recipe of nanostructure:load,edit,save and run control, Able programe their recipe using paython scripts or any other user friendly script, display, controls such as those for gas leak detector, Bubbler, Stauts of safety valves, Alarm, Interlocks, Process deviation, Remote diagnostivs, Trouble shooting of the system, Process by the supplier through internet/telemaintenance can be done, Electronic Mass Flow Controller with digital readout or control through software
	Duration of License (in Years) of software	1, 2, 3, 4, 5, Na for Perpetual
	Types of Licence of Software provided	Perpetual, Subscription
Warranty/Services	Extended Warranty for all the hardware and software (other than the consumables) of the CVD system	2, 3, 5 Or higher (year)
	Warranty on Complete Set	1, 2 Or higher (year)
	Training Period	1.0 (hour)
	Training Type	At Buyer's Premises
	Number of preventive maintenance visits offered in an year during warranty period (Supply of all consumables is the buyer's responsibility)	1, 2, 3, 4 Or higher
Environmental Properties	Minimum Operating Temperature of CVD System	0, 5, 10, -5, -10 Or lower (degree Celsius)
	Ingress Protection of CVD System	NA, IP65, IP66, IP67, IP68 Or higher
	Maximum Operating Temperature of CVD System	40, 45, 50, 60, 70, 80 Or higher (degree Celsius)

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Non Condensing Humidity, Rh of CVD System	90, 95, 100 Or higher
Pressure Control Unit : Vacuum Pump, Gauge And Sealing	Vacuum Pump Type	Double Stage Rotary Vane Vacuum Pump
	Ultimate pressure	2x10 ⁻³ mbar
	With Exhaust Filter	Yes

Additional Specification Parameters - Chemical Vapour Deposition System (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
No. Of Zones, precision temperature controllers & Mass Flow Digital Controller	2
Furnace Temperature	Maximum Temperature : 1800 degree Celsius Continuous Operating Temperature : 1700 degree Celsius (Max.) Working Temperature : 1600 degree Celsius (Max.) [Heating elements: Element- Molybdenum di silicide rods (SuperKanthal-1700dec C)]
Dimensions of Furnace Tube (Alumina & Quartz) Size (Mm):	? 60mm (ID) x 70 mm (OD) x 1000mm (L)
Types of Gas Calibrated	Universal (0-200 sccm)
Furnace (Movable) Structure	Furnace outside shell size:?500(W) x 500(D) x 400 (H) mm Furnace stands cum control panel size (bottom): ?500(W)x500(D)x400 (H) mm Total Metal structure size:? 700(W) x 700(D) x 1000 (H) mm Length of the hot zone:?150 mm length X 2 ZONES.

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Pandiyarajan Thangaraj	518002,Jagannathagattu Dindevarapadu Kurnool ANDHRA PRADESH	1	60

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

2. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

3. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

4. **Generic**

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

5. **Generic**

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price:

Furnace Stand, peep holes, Pipeline connections, Needle Valves, Gas Inlet & Outlet System and Digital Vacuum Display facility.

6. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

7. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1) It is essential that OEM/Bidder should have supplied at least 3 nos. of similar system to any Indian government organization in last three years. The particulars regarding such users and their contact details to be furnished. The details of previous users may be used to receive feedback regarding performance of the equipment. Negative feedback from previous users will lead to rejection of the equipment.

2) The OEM Must be ISO Certified and should enclose necessary certificates.

3) The Bidder/OEM should have full-fledged service center within India to support warrantee/after sales service and proof to be submitted along with quote.

4) Along with the offer, manufacturer/ supplier should confirm in writing that the spares and support will be available for at least 5 years from the date of installation and commissioning of the equipment.

5) The Bidder/OEM shall provide extended warranty for a period of 2 years in additional to the 1 year warranty and the price quoted shall be inclusive of the charges towards extended warranty.

6) Bidder has to submit the compliance statement, point-wise, as against the technical specifications and the bids which are not meeting the technical specifications and vendor qualification will be rejected.

8. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---