



Bid Number/बोली क्रमांक (बिड संख्या): GEM/2024/B/487

Dated/दिनांक : 20-04

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	11-05-2024 18:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	11-05-2024 18:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	30 (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	National Institute Of Technology (nit)
Office Name/कार्यालय का नाम	M G Avenue , Durgapur 713209, Wb
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	PCB Prototype Machine (Q3)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	1 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/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
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,Certif (Requested in ATC),OEM Authorization Certificate,Additional 1 (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 buyer
Past Performance/विगत प्रदर्शन	40 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid

Bid Details/बिड विवरण

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

Required/आवश्यकता	No
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ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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Splitting/विभाजन

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

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	No
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of 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 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.

3. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or their 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 high

value should meet this criterion.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined 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 or MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price as defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for (selected by Buyer) percentage of total QUANTITY. The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017

5. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 40% of bid quantity, in at least one of the last three Financial years before the bid opening date at 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 relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

PCB Prototype Machine (1 pieces)

Technical Specifications/तकनीकी विशिष्टियाँ

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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Performance Parameters	Purpose of the Machine	To fabricate Proto Type Single Sided and Double sided PCB for Academic and R&D Work ,Designing micro str components
	Type of Operation of PCB Machine	Manual, Automatic
	Capacity of Machine for fabrication of double side PCB	Yes, No
	Tool Change operation	Automatic, Manual
	Number of Automatic Tool Change Positions available	10, 12, 14, 16, 18, 20, NA (For Manual)
	The operations performed by the Machine	Drilling, Engraving, Routing
	Surface inspection feature to check uniformity of Surface	Yes, No
	Drill Depth Sensing and Adjusting Feature	Yes, No
	Availability of Built in camera function	Yes, No
	Available software for import of design made	Gerber, G code, Auto CAD DXF, Excellon, CAM 65
Working area X Axis in mm	up to 150, up to 200, up to 250, up to 300, up to 350, to 400, up to 450, up to 500	

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Working area in Y Axis in mm	Up to 150, up to 200, up to 250, up to 300, up to 350, to 400, up to 450, up to 500
	Working Area z Axis in mm	up to 10, up to 20, up to 30, up to 40, up to 50
	Resolution in micrometer	0.1, 0.5, 1, 2, 3, 4, 6, 8, 10
	Size of Tool holder/ Collet in inches	ONE BY EIGHT, ONE BY FOUR, ONE BY 6, ONE BY TWO
	Minimum Trace Width in mm	0.1, 0.2, 0.5
	Maximum working Speed in mm/s	20, 50, 100, 150, 200, 250, 300, >500, >1000
	Type of bits included with PCB Proto Type Machine	Drilling, Engraving, Routing
	Spindle Speed in RPM	20000, 30000, 40000, 50000, 60000, 70000, 80000, 90000, 100000, 24000, Others, 5000-15000, 15000-24000, 24000-40000, 40000-50000
	Drilling performance in terms of number of stroke per minute	50, 75, 100, 125, 150, 175, 200, Others
	Quantity of Drill Bits supplied with the Machine	10, 15, 20, 25, 30, 40, 50
	Machine shall be supplied with suitable enclosure to reduce sound	Yes, No
	Tool length detection feature	Yes, No
	Auto Bit Protection feature	Yes, No
	Warranty in years	1, 2, 3, 4, 5

Additional Specification Parameters - PCB Prototype Machine (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Specification Parameters	Specification mentioned in the bid document must be complied to be eligible in technical round.

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

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

S.No./क्र.सं	Consignee Reporting/Officer/परे षिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी दिन
1	Asit Kumar	713209, M G AVENUE DURGAPUR , WB-713209	1	45

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

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contract rates. Bidders are bound to accept the orders accordingly.

2. Buyer Added Bid Specific ATC

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

3. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

TECHNICAL SPECIFICATIONS FOR SUPPLY AND INSTALLATION OF BELOW M

Sl. No.	Name of the Indented Goods	Quantity Required	Measurement Unit	Specifications/ Range/ Criteria/ Parameter/ Drawing/ Pictures etc.
1	Printed Circuit Board Prototyping Machine	01	Number	To fabricate Proto Type Single Sided and Double sided PCB for Academic and R&D Work, Designing micro strip components. Details Specification mentioned below.

Brief Description: To fabricate Proto Type Single Sided and Double sided PCB for Academic and R&D Work Designing micro strip components. The system must include all necessary accessories.

Details Specifications:

Type of Operation of PCB Machine	Automatic
Tool Change operation	Manual
The operations performed by the Machine	Drilling, Engraving, Routing
Drill Depth Sensing and Adjusting Feature	Yes
Available software for import of design made	G code

Working area X Axis in mm	up to 300
Working area in Y Axis in mm	up to 400
Working Area z Axis in mm	up to 50
Resolution in micrometer	0.1
Size of Tool holder/ Collet in inches	ONE BY FOUR
Minimum Trace Width in mm	0.2
Maximum working Speed in mm/s	>1000
Bits included with PCB Proto Type Machine	Drilling
Minimum Drill Diameter in mm	0.2
Spindle Speed in RPM	24000
Drilling number of stroke per minute	50
Drill Bits supplied with the Machine	20
Diameter of Drill bit in mm	0.3,0.4,0.5,0.6,0.7,0.8,0.9,1,1.1,1.2,1.3,1.4,1.5,1.6,1.8,1.9,2,2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,3,3.1,3.2,4,3.5
Diameter of engraving bit in mm	0.1,0.2,0.3,0.4,0.5
Quantity of Engraving Bit	2,4,6,8,10
Angle of engraving bit in degree	60
Diameter of routing bit in mm	1,1.5,2,2.5,3
Quantity of Routing Bit	5
Interface with PC available with machine	USB
Input Power Supply In volts	220V
Operating Temperature	10 to 40
Operating Humidity	90%
Warranty in years	1
Availability of ISO Certification	Yes
Installation and demonstrated	Yes
User, Maintenance, and Service Manual	Yes

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority 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 to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If

clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

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 is 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. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
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 they can raise their representation against the same by using the Representation window provided in the bid details in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to 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 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 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./ 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 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 पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न व अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---