



Bid Number/बोली क्रमांक (बिड संख्या): GEM/2024/B/4587491 Dated/दिनांक : 07-02-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण			
Bid End Date/Time/बिड बंद होने की तारीख/समय	17-02-2024 14:00:00		
Bid Opening Date/Time/बिंड खुलने की तारीख/समय	17-02-2024 14:30:00		
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)		
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Heavy Industries And Public Enterprises		
Department Name/विभाग का नाम	Department Of Heavy Industry		
Organisation Name/संगठन का नाम	Bharat Heavy Electricals Limited (bhel)		
Office Name/कार्यालय का नाम	10060010-r&d		
Total Quantity/कुल मात्रा	1		
Item Category/मद केटेगरी	Workstation (Q2)		
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	Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC) *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 b the buyer		
Bid to RA enabled/बिंड से रिवर्स नीलामी सक्रिय किया	No		
Type of Bid/बिंड 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

Required/आवश्यकता	No		
ePBG Detail/ईपीबीजी विवरण			
Required/आवश्यकता	No		
Splitting/विभाजन			
Bid splitting not applied/बोली विभाजन लागू नहीं किया ग	ाया.		
MII Purchase Preference/एमआईआई खरीद वरीयता			
MII Purchase Preference/एमआईआई खरीद वरीयता No			
MSE Purchase Preference/एमएसई खरीद वरीयता			
MSE Purchase Preference/एमएसई खरीद वरीयता	Yes		

1. 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. 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. 2. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

Workstation (1 pieces)

Technical Specifications/तकनीकी विशिष्टियाँ

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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिंड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य	
Туре	Form Factor	Mobile - Standard, Mobile - Detachable, Mobile - Convertible, Mobile - Ultra Small Form Factor, Desktop, Rack - 1U, Rack - 2U	
Processor	Processor Make	Intel	
	Processor Generation	NA, 10, 11, 12, 13 Or higher	
	Number of Cores per Processor	12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 64, 36, 56 Or higher	
	Processor Base Frequency (GHz)	2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4, 4.1, 4.2, 4.3, 5.2 Or higher	
	Processor Description	Intel Core i3, Intel Core i5, Intel Core i7, Intel Core i9, Intel Xeon E Series, Intel Xeon W Series, Intel Xeon Bronze Series, Intel Xeon Silver Series, Intel Xeon Gold Series, Intel Xeon Platinum Series, AMD Ryzen Threadripper Or higher	
	Processor Number	Intel Xeon Gold 6126, Intel Xeon Gold 6132, Intel Xeon Gold 6136, Intel Xeon Gold 6138, Intel Xeon Gold 6140, Intel Xeon Gold 6142, Intel Xeon Gold 6146, Intel Xeon Gold 6148, Intel Xeon Gold 6150, Intel Xeon Gold 6152, Intel Xeon Gold 6154, Intel Xeon Platinum 8160, Intel Xeon Platinum 8160, Intel Xeon Platinum 8160, Intel Xeon Platinum 8170, Intel Xeon Platinum 8176, Intel Xeon Platinum 8170, Intel Xeon Platinum 8176, Intel Xeon Platinum 8176, Intel Xeon Gold 5218, Intel Xeon Gold 5220, Intel Xeon Gold 6230, Intel Xeon Gold 6240, Intel Xeon Gold 6252, Intel Xeon Gold 6254, Intel Xeon Platinum 8253 Intel Xeon Platinum 8260, Intel Xeon Platinum 8253, Intel Xeon Platinum 8260, Intel Xeon Platinum 8268, Intel Xeon Platinum 8270, Intel Xeon Platinum 8276, Intel Xeon Flatinum 8276, Intel Xeon Gold 6246, Intel Xeon Gold 6240M, Intel Xeon Gold 6246, Intel Xeon Gold 6240M, Intel Xeon Gold 6250, Intel Xeon Gold 6246R, Intel Xeon Gold 6240R, Intel Xeon Gold 6230R, Intel Xeon Gold 6240R, Intel Xeon Gold 6230R, Intel Xeon Gold 6238T, Intel Xeon Gold 6238T, Intel Xeon Gold 6248T, Intel Xeon Gold 6338, Intel Xeon Gold 6348, Intel Xeon Gold 6338, Intel Xeon Gold 6348, Intel Xeon Gold 6338, Intel Xeon Gold 6349, Intel Xeon Gold 6338, Intel Xeon Gold 6340, Intel Xeon Gold 6354, Intel Xeon Gold 635117, Intel Xeon Gold 6346, Intel Xeon Gold 6350, Intel Xeon Gold 63517, Intel Xeon Silver 4314, Intel Xeon Gold 6334, Intel Xeon Gold 6360, Intel Xeon Silver 4314, Intel Xeon Gold 6334, Intel Xeon Gold 6360, Intel Xeon Silver 4310T, Intel Xeon Gold 6334, Intel Xeon Gold 6360, Intel Xeo	

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिंड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य	
	Number of Sockets populated with the Processors	2 Or higher	
Motherboard	Chipset Number	Intel C621, Intel C622, Intel C624, Intel X99, Intel X299, Intel W680, Intel W790, Intel C741 Or higher	
	Expansion Slots (PCle x 8) (Number)	2 Or higher	
	Expansion Slots (PCIe x 16) (Number)	4 Or higher	
Graphics	Graphics Type	Dedicated/Discrete	
	Number of Graphic Cards	1, 2, 3, 4 Or higher	
	Graphic Card Description	nVIDIA Quadro P5000 16GB, nVIDIA Quadro RTX 5000 16GB, nVIDIA Quadro P6000 24GB, nVIDIA Quadro GP100 16GB, nVIDIA Quadro RTX 6000 24GB, nVIDIA Quadro RTX 8000 48GB, nVIDIA Quadro GV100 32GB, nVIDIA Tesla V100 SXM2 32GB, NVIDIA RTX A4000 16GB 4DP GFX, NVIDIA RTX A2000 12GB, NVIDIA RTX A4000 16GB, NVIDIA RTX A4500 20GB, NVIDIA RTX A5000 24GB, NVIDIA RTX A5000 24GB, NVIDIA RTX A6000 48GB, NVIDIA Long-Life RTX A2000E 12 GB 4mDP Graphics, NVIDIA GeForce RTX 3060 12 GB Or higher	
Operating System	Operating System (Factory Pre-Loaded)	Windows 11 Professional	
Memory	RAM Speed (MHz)	2400, 2666, 2933, 4800, 5200 Or higher	
	Type of Memory	ECC	
	RAM Size (GB)	128, 256, 512, 1024, 2048, 3072, 4096, 192, 384, 768, 1536 Or higher	
	RAM Expandability upto using spare DIMM Slots (GB)	16, 32, 64, 128, 256, 512, 1024, 3072, 4096, 384, 1536, 2048, 768 Or higher	
Primary Storage /Boot Drive	Type of Drives used to populate the internal Bays	SSD	
	RAID for Operating System	0, 1, NA	
	Capacity of each Drive (GB)	1024, 1200, 1800, 2000, 2048, 4000, 4096, 8000, 6000 Or higher	
Secondary Storage	Type of Drives used to populate the Internal Bays	SATA	
	Number of Internal Bays populated with SATA Drive	1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher	
	Each SATA Drive Capacity (GB)	4000, 8000, 6000 Or higher	
	Speed of each SATA Drive (RPM)	7200 Or higher	

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिंड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य	
	Total SATA Drive Capacity (GB)	4000, 8000, 5000, 6000, 7000, 9000, 12000, 16000, 20000, 24000, 28000, 32000 Or higher	
	Number of Internal Bays populated with SAS Drive	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher	
	Capacity of each SAS Drive (GB)	300, 600, 900, 1200, 1800, 800, 0, 4000 Or higher 300, 600, 900, 1200, 1800, 2100, 0, 4000 Or higher	
	Total SAS Drive Capacity (GB)		
	Number of Internal Bays populated with SSD Drive	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher	
	Capacity of each SSD Drive (GB)	128, 256, 512, 1024, 2048, 800, 0 Or higher	
	Total SSD Capacity (GB)	128, 256, 384, 512, 768, 1024, 2048, 4096, 0, 5120, 3072 Or higher	
	Number of Internal Bays populated with PCIe Drive	0, 1, 2, 3, 4, 5, 6, 7, 8 Or higher	
	Capacity of each PCIe Drive (GB)	128, 256, 512, 1024, 2048, 0 Or higher	
	Total PCIe Drive Capacity (GB)	128, 256, 512, 1024, 2048, 4096, 0, 1536, 6144 Or higher	
RAID	Number of RAID Controller Ports	2, 3, 4, 5, 6, 7, 8, 10, 0 Or higher	
	Speed of RAID Controller Ports (Gbps)	6, 12, 0 Or higher	
Connectivity	Type of Ethernet Ports	Dual Gigabit NIC 10/100/1000	
	Number of Ethernet Ports	2, 3, 4, 6 Or higher	
	Wireless Connectivity	Yes, No Or higher	
	If Yes, Type of Wireless Connectivity	Wi-Fi 802.11b/g/n, Wi-Fi 802.11ac, NA, Wi-Fi 6E AX21 BT 5.2, Wi-Fi 6 AX200 & BT 5.2, Wi-Fi 6 AX201 (2x2) and BT 5.2 Or higher	
	Bluetooth Connectivity	Yes, No Or higher	
	If Yes, Version of Bluetooth Available	4, 4.1, 4.2, 5, 0 Or higher	
Ports	Number of USB Version 2 Point 0 Ports	2, 3, 4, 5, 6 Or higher	
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	4, 5, 6, 7, 8, 9, 10 Or higher	
	Number of VGA Ports	1 Or higher	
Display	Display Availability	Monitor	
	Display Size (cm)	58- 61, 63 - 67, 68- 71, 72- 81, 82 - 87, 88 - 93, 94 - 97, 98 - 105, 107 - 110, 111 - 115, 116 - 120, 121 - 125, 126 - 130 Or higher	

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिंड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य	
Display Type		Non Touch, Touch Or higher	
Panel Type Panel Technology		Flat, Curved Or higher	
		IPS, OLED Or higher	
	Display Resolution (Pixels)	1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 2560 x 1080, 2560 x 1440, 2560 x 1600, 3440 x 1440, 3840 x 1600, 5120 x 1440, 7680 x 4320 Or higher	
Power	Redundant Power Supply	Yes, No Or higher	
Input Devices	Mouse Connectivity, If available	Wired, Wireless Or higher	
	Type of Mouse, If available	Optical Scroll	
	Keyboard Connectivity, if available	Wired, Wireless Or higher	
	Type of Keyboard, if available	Standard, Bilingual, Standard with Rupee Symbol Or higher	
Generic	Optical Drive	DVD R/W	
Warranty	On Site OEM Warranty (Year)	5 Or higher	

Additional Specification Parameters - Workstation (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)	
Processor Cache, Processor Turbo frequency, Processor description, Ports and Power.	A) Processor Cache: 16.5MB. B) Processor Turbo frequency:3.5GHz. C) Processor Description: Xeon Silver. D) Ports: If HDMI port is not available then vendor should supply minimum 2 numbers of suitable DP/MDP to HDMI adapteR. E) Ports: Number of audio line in/Microphone: 1 No. F) Ports: Number of audio out: 1No. G) Power: Maximum Power: 1200W.	
Warranty, Security, Antvirus.	A) 5 Years onsite Comprehensive Warranty from the date of receipt and acceptance by BHEL, for all items (Parts + Labour); During the entire 5 years of warranty, OEM shall support both spare parts and services as and when required.(Warranty Type: Next Business day On-site). B) Trusted platform module(TPM 2.0) or better, Vendor may provide additional security features and mention in the offer. C) 3years antivirus licence.	
Noise Level, Application,	A) Maximum allowable noise level at 1m distance from the machine is 45 dBA B) Workstation should support following Software Application: Adobe, Math works, Autodesk etc. The workstation shall have System OEM ISV certification.	
Manufacturer authorization certificate	A) Vendor shall provide Manufacturer Authorization Form from OEM. Vendor shall provide certificate from OEM, mentioning the offered product is not an end of-life product and is supported for minimum next 5 years.	

Specification Parameter Name	Bid Requirement (Allowed Values)	
Installation and Commissioning	Installation & commissioning of the workstation should not include any extra cost. Installation and commissioning will be at BHEL R&D. Vendor should demonstrate the Hardware Configuration and Application compatibility.	

^{*} 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	Ambati Sandeep	500042,BHEL, Corp.R&D, Vikasnagar, Near BBR Hospital, Hyderabad	1	84

Buyer added Bid Specific Additional Scope of Work

S.No.क्र.सं	Document Title	Description	Applicable/रिवर्स प्रभार के अनुसार जीएसटी i.r.o. Items
1	Performance Bank Guarantee <u>View</u>	Pro-forma of Performance Bank Guarantee	Workstation(1)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

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

1. Buyer Added Bid Specific ATC

Buyer uploaded ATC document Click here to view the file.

2. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

Description: Workstation

1) Pre-Qualification Criteria:

Vendor shall produce supporting documents for the following:

1a) The Bidder shall submit at least one purchase order copy for supply of workstation with mi nimum 128GB RAM in the last 5 years from the date of enquiry

- **1b) Relaxation of Norms for Startups:** The condition of Prior Turnover and prior experience is relaxed for all startups whether Micro & Small Enterprises(MSEs) or otherwise subject to meeting of quality and technical specifications in accordance with the relevant provision of GFR,2005 and other DOE-PPD notifications for relaxation norms for startups issued from time to time.
- 2)**Payment term:** 100% basic payment shall be made within stipulated days as mentioned be low from the date of installation & commissioning, demonstration and acceptance at BHEL R&D and submission of Performance Bank Guarantee (PBG) by supplier in the prescribed format.

Type of bidder:

- A. For Micro & Small enterprises(MSEs) payment will be made with in 45 days
- B. For Medium Enterprises will be made with in 60 days
- C. Non MSMEs will be made with in 90 days

However, GST Portion of Invoice shall be released only upon:

- i) Vendor declaring the Invoice in their GSTR-1.
- ii) Receipt of Goods and Tax Invoice by BHEL.
- iii) Confirmation of Payment of GST thereon by vendor on GSTN
- 3) Restriction: Submit the Annexure A which is attached in ATC document.
- 4) Terms of Delivery: Shall be FOR BHEL R&D Stores, Hyderabad.
- **5)** Vendor has to submit this GeM bid document duly signed and stamped on all pages. By sub mitting signed GeM bid document it affirms that vendor has accepted to all the terms and cond itions mentioned in this bid such as Payment terms, delivery period, PBG etc.
- **6)** Vendor has to quote prices inclusive of GST and other applicable charges
- **7) Breach of contract, Remedies and Termination:** In case of breach of contract, whereve r the value of security instruments like performance bank guarantee available with BHEL again st the said contract is at least 10% of the contract value, the same be encashed.

In case the value of the security instruments available is less than 10% of the contract value, the balance amount be recovered from other financial remedies (i.e. available bills of the contract or, retention amount, etc. with BHEL) or legal remedies be pursued. Further, levy of liquidated damages, debarment, termination, de scoping, short-closure, etc., shall be applied as per provisions of the contract.

- **8) Delivery period:** The delivery period 84 days (from PO date) is for complete scope i.e Supp ly, installation/commissioning & demonstration.
- **9) Performance Bank Guarantee (PBG):** PBG of 10% of total order value is to be submitted by the successful vendor and shall be kept valid up to guarantee period with additional claim p eriod of 3-6 months thereafter. PBG shall be from one of the Consortium banks of BHEL or from a reputed bank and confirmed by any Consortium bank of BHEL. The offers of the suppliers not accepting to this clause will be rejected.

Note: Note: Pro-forma of Performance Bank Guarantee is attached in Buyer added bid specific a dditional scope of work.

10) Interest of delayed submission of PBG: Bidder has to submit performance bank guara ntee (PBG) with-in 15 days date of completion of entire scope.

In case of delay in submission of PBG, enhanced performance security which would include inte rest (Repo rate + 4%) for the delayed period, shall be submitted by the bidder. Further, if performance security is not submitted till such time the first bill becomes due, the amount of p erformance security due shall be recovered as per terms defined in NIT/contract, from the bills along with due interest.

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 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---