

Bid Document

Bid Details	
Bid End Date/Time	14-01-2023 10:00:00
Bid Opening Date/Time	14-01-2023 10:30:00
Bid Offer Validity (From End Date)	90 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	10060010-r&d
Total Quantity	2
Item Category	Workstation (Q2)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Type of Bid	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation	2 Days
Payment Timelines	Payments shall be made to the Seller within 90 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
----------	----

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	62

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

PAO

10060010-R&D, Department of Heavy Industry, Bharat Heavy Electricals Limited (BHEL), Ministry of Heavy Industries and Public Enterprises
(T Vidya)

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
-------------------------	-----

MSE Purchase Preference

MSE Purchase Preference	Yes
-------------------------	-----

1. 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.

2. 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.

3. 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.

4. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.

- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Workstation (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
------------	------------------

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Bid Requirement (Allowed Values)
Processor	Processor Make	Intel
	Processor Generation	7, 8, 9, NA, 10, 11, 12 Or higher
	Number of Cores per Processor	12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 64 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 Xeon Gold Series, Intel Xeon Platinum Series Or higher
	Processor Number	Intel Xeon Platinum 8180, Intel Xeon Platinum 8260L, Intel Xeon Platinum 8268, Intel Xeon Platinum 8270, Intel Xeon Platinum 8276, Intel Xeon Platinum 8276L, Intel Xeon Platinum 8276M, Intel Xeon Platinum 8280, Intel Xeon Platinum 8280L, Intel Xeon Platinum 8280M, Intel Xeon Platinum 8260Y, Intel Xeon Gold 6230R, Intel Xeon 6240R, Intel Xeon Gold 6238R, Intel Xeon Gold 6248R, Intel Xeon Gold 6258R, Intel Xeon Platinum 9221, Intel Xeon Platinum 9222, Intel Xeon Platinum 9242, Intel Xeon Platinum 9282 Or higher
	Number of Sockets populated with the Processors	2 Or higher
	Cache (MB)	35.75 - 64.0 Or higher
Type	Form Factor	Desktop
Motherboard	Chipset Number	Intel C621, Intel C622, Intel C624, Intel X99, Intel X299, Intel W680 Or higher
	Expansion Slots (PCIe 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

Specification	Specification Name	Bid Requirement (Allowed Values)
	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 A5500 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 10 Professional 64 bit
Applications	Applications Compatible with the Workstation (Requisite document may be furnished as and when demanded by the buyer)	Adobe Photoshop CS/CC, Autodesk AutoCAD, Autodesk Mudbox, Dassault Systèmes SolidWorks
Memory	RAM Speed (MHz)	2933, 4800 Or higher
	Type of Memory	ECC RDIMM
	RAM Size (GB)	1024, 2048, 3072, 4096, 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	PCIe
	Number of Drives	2
	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	SSD
	Number of Internal Bays populated with SATA Drive	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
	Each SATA Drive Capacity (GB)	500, 1000, 2000, 4000, 8000, 0, 6000 Or higher
	Speed of each SATA Drive (RPM)	5400, 7200, 0 Or higher
	Total SATA Drive Capacity (GB)	500, 1000, 2000, 4000, 8000, 3000, 5000, 6000, 7000, 9000, 12000, 16000, 20000, 24000, 28000, 32000, 0 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
Total SAS Drive Capacity (GB)	300, 600, 900, 1200, 1800, 2100, 0, 4000 Or higher	

Specification	Specification Name	Bid Requirement (Allowed Values)
	Number of Internal Bays populated with SSD Drive	2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
	Capacity of each SSD Drive (GB)	2048 Or higher
	Total SSD Capacity (GB)	4096, 5120 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
	Class of PCIe Drives	Class 20, Class 30, Class 35, Class 40, Class 50, NA Or higher
RAID	RAID level	0, 1, 1+0
	Number of RAID Controller Ports	6, 7, 8, 10 Or higher
	Speed of RAID Controller Ports (Gbps)	6, 12 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 AX211 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 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
	Number of Mini DP Ports	4, 6, 8, 12, 9, 16 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
	Display Type	Non Touch, Touch Or higher
	Panel Type	Flat, Curved Or higher
	Panel Technology	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

Specification	Specification Name	Bid Requirement (Allowed Values)
	LED Backlit	Yes Or higher
	Monitor Stand	Height Adjustable Or higher
Power	Redundant Power Supply	Yes 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
	Type of Bundled Software	Standard Performance Improvement Software, Artificial Intelligence Based Performance Improvement Software, Remote Collaboration Software & Performance Advisor Or higher
Warranty	On Site OEM Warranty (Year)	5 Or higher

Additional Specification Parameters - Workstation (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Certifications (Bidder shall provide necessary documents along with offer)	(a) OS Certification from Microsoft (b) For OEM : ISO 9001 (Latest version) (c) RoHS compliant (d) Energy Star 7.0 or higher complaint.
(1) Secondary storage and (2) Operating system (3) RAM Expandability	(1) Each drive shall be datacenter grade with 2TB +/- 10% with nearest available size. (2) Pre-installed windows 10/11 pro 64 bit or latest OS for workstation. Workstation should have restore CD or DVD / recovery partition. The latest system drivers should be available on OEM's website for the entire warranty period. (3) RAM Expandability : Nil
(a) Keyboard, Mouse, Audio controller with speakers, (b) Applications compatible with workstations	(a) 1. Quantity of mouse shall be 3 nos. for each workstation. 2. Integrated with high definition audio controller with internal speakers. 3. Single audio jack (single pin) for connecting earphones and mic. (b) Adobe; ANSYS (Mechanical & workbench);AUTODESK (AutoCAD & Inventor);Altair; Dassault (Solid works); Siemens NX. Supporting documents to be furnished along with offer.
Manufacture Authorization	MAF from the OEM to be enclosed along with offer stating following : (1) Authorization from OEM to Bidder to participate in the tender and (2) During the entire 5 years of warranty, OEM shall support both spare parts and services as and when required.
Supplies verification and Inspection	BHEL reserves the right to verify all the offered specification either in BIOS or by third party applications or physically before acceptance of supplies.

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Jayant Singh	500093,Corporate Research & Development Division Vikas Nagar Hyderabad - 500093	2	56

Buyer Added Bid Specific Terms and Conditions

1. Scope of Supply

Scope of supply (Bid price to include all cost components) : Only supply of Goods

2. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

1) PRE-QUALIFICATION CRITERIA (PQC):

Vendor shall produce the supporting documents for the following.

(1) Authorization from OEM to bidder to participate in the present tender

(2) Vendor must have supplied One High end workstation with minimum 128GB RAM in the last 3 years from the date of this enquiry.

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% payment shall be made within the stipulated days as mentioned below from the date of receipt & acceptance of materials at BHEL Corporate R&D Vikasnagar, Hyderabad and on submission of PBG.

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:

1) Vendor declaring the Invoice in their GSTR-1.

2) Receipt of Goods and Tax Invoice by BHEL.

3) Confirmation of Payment of GST thereon by vendor on GSTN

3) Interest of delayed submission of performance security (PBG) :

PBG of 10% of total order value is to be submitted by the successful vendor within 15 days from the date of completion of receipt and acceptance of materials at BHEL. Bidder agrees to submit performance security required for execution of the contract within the time period mentioned. In case of delay in submission of performance security, enhanced performance security which would include interest (SBI rate + 6%) 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 performance security due shall be

recovered as per terms defined in NIT/contract, from the bills along with due interest.

3. Buyer Added Bid Specific ATC

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

Disclaimer

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](#)

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.

---Thank You---