

## Bid Document

Bid Details	
<b>Bid End Date/Time</b>	04-08-2022 17:00:00
<b>Bid Opening Date/Time</b>	04-08-2022 17:30:00
<b>Bid Offer Validity (From End Date)</b>	75 (Days)
<b>Ministry/State Name</b>	Ministry Of Heavy Industries And Public Enterprises
<b>Department Name</b>	Department Of Heavy Industry
<b>Organisation Name</b>	Bharat Heavy Electricals Limited (bhel)
<b>Office Name</b>	10060010-r&d
<b>Total Quantity</b>	1
<b>Item Category</b>	Server (Q2)
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Bid to RA enabled</b>	No
<b>Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>Evaluation Method</b>	Total value wise evaluation

### EMD Detail

Required	No
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### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	60

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

### Beneficiary:

Dy Manager  
10060010-R&D, Department of Heavy Industry, Bharat Heavy Electricals Limited (BHEL), Ministry of Heavy Industries and Public Enterprises  
(Muske Ajay Kumar)

## Splitting

Bid splitting not applied.

## MII Purchase Preference

MII Purchase Preference	Yes
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## MSE Purchase Preference

MSE Purchase Preference	Yes
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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. Short Duration Bid has been published by the Buyer with the approval of the Competent authority due to Emergency procurement of critical products/services.

## Server ( 1 pieces )

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

Brand Type	Registered Brand
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## Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Processor	<b>Processor Make</b>	Intel, AMD, IBM Power, SPARC
	<b>Number of Cores per Processor</b>	8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 64, 11, 48 Or higher
	<b>Processor Base Frequency (GHz)</b>	2.1, 2.2, 2.3, 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 Or higher
	<b>Total Cache (L1+L2+L3) (MB)</b>	11.0 - 256.0 Or higher
Chassis	Form Factor	Rack, Tower Or higher
	Size (RU)	2
Motherboard	<b>Maximum number of Sockets available on Server</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
	<b>Maximum number of Sockets populated with Processors available on Server</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
Co Processor / GPU	<b>Availability of Co Processor /GPU</b>	Yes, No Or higher
Memory	<b>Type of RAM</b>	DDR4 SDRAM with ECC
	<b>DDR SDRAM Size(GB)</b>	64.0 - 6144.0 Or higher
	<b>DDR NVRAM Size (GB)</b>	0 - 1600
SSD Storage	<b>Type of Interface for SSD</b>	SATA, SAS, NVMe, M.2/mSATA, M.2/NVMe, NA
	<b>Total Capacity Offered with SATA SSD (GB)</b>	960.0 Or higher
	<b>Total Capacity Offered with SAS SSD (GB)</b>	Any applicable numeric value
	<b>Total Capacity Offered with NVMe SSD (GB)</b>	Any applicable numeric value
HDD Storage	<b>Type of Interface for Hard Disk Drive</b>	SATA, SAS, NL SAS, NA
	<b>Total Storage Capacity offered with SATA Drive (GB)</b>	16000.0 Or higher
	<b>Total Storage Capacity offered with SAS Drive (GB)</b>	Any applicable numeric value
	<b>Total Storage Capacity offered with NL SAS Drive (GB)</b>	Any applicable numeric value
RAID	<b>No of RAID Controller Ports</b>	2, 3, 4, 5, 6, 7, 8, 0 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	6, 12 Or higher
Ports & Interfaces	<b>Number of Networking Interface Cards (LAN)</b>	2, 3, 4, 5, 6, 7, 8, 1 Or higher

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Total Number of Ethernet Ports required in Server</b>	4x1G
	<b>Number of Single port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Dual port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Quad port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>FC HBA Speed (Gbps)</b>	8, 16, 32, NA Or higher
	<b>Number of Converged Network Adaptor (CNA)</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Ports per CNA card</b>	Dual Port, Quad Port, NA Or higher
	<b>CNA Port Speed (Gbps)</b>	10, 25, 40, 50, 100, 200, 0 Or higher
	<b>Length of LC-LC Cable per SFP+ Port (meter)</b>	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per HBA Port (meter)</b>	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per CNA Port (meter)</b>	5, 10, 15, 0 Or higher
Certifications	<b>Certifications/Compliance (OS)</b>	Windows, Red Hat Linux, Suse Linux, Ubuntu, Cent OS, Debian, AIX
Features	<b>Management Features-1</b>	Remoter power On/ Shutdown of server,, Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,, Should have virtual Media support with all required licenses., Remote KVM, Server Health Logging, Out of Band Management
	<b>Security Features-1</b>	Secure Boot(Firmware and Bios Level Security), Provision to lock the system on breach, Hardware root of trust/Dual Root of Trust, Server should provide policy based security, Server should provide server intrusion detection,, "Malicious Code Free design" (to be certified by OEM)
Generic	Redundant Power Supply	Yes Or higher
	Hot Swappable (Redundant Power Supply)	Yes Or higher
	<b>Power Supply Efficiency</b>	Gold, Platinum, Titanium, Bronze Or higher
	Hot Swappable (Redundant Fan)	Yes Or higher
Benchmark	<b>SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	Any applicable numeric value

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	Any applicable numeric value
Warranty	<b>On Site OEM Warranty (Year)</b>	5, 7 Or higher

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Birendra Prasad	500093,Corporate Research & Development Division Vikas Nagar Hyderabad - 500093	1	90

## Buyer Added Bid Specific Terms and Conditions

### 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 the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

### 2. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

### 3. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

AA) Payment term:

100% payment shall be made within the stipulated days as mentioned below from the date of receipt and acceptance of materials after installation and commissioning at BHEL Corporate R&D Vikasnagar, Hyderabad

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

BB) Interest of Delayed submission of performance security - PBG:

Bidder agrees to submit performance security required for execution of 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.

CC) Pre Qualification Criteria: Supplier shall have supplied and installed 1 no of similar server to any organisation within last 5 years from the date of this enquiry. Supplier shall submit the purchase order for the same.

#### 4. **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. 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 incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents/clauses shall also be null and void. 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. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[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---**