



Bid Number/बोली क्रमांक (बिड संख्या):  
GEM/2024/B/5349575  
Dated/दिनांक : 02-09-2024

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	12-09-2024 12:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	12-09-2024 12:30:00
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 Defence
Department Name/विभाग का नाम	Department Of Defence Production
Organisation Name/संगठन का नाम	Garden Reach Ship Builders And Engineers Limited (grse)
Office Name/कार्यालय का नाम	*****
Total Quantity/कुल मात्रा	4
Item Category/मद केटेगरी	Server (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),OEM Authorization Certificate,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
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Type of Bid/बिड का प्रकार	Two Packet Bid
Primary product category	Server
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days

**Bid Details/बिड विवरण****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	126000

**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).	62

(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 दस्तावेज़ 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 :**

Garden Reach Shipbuilders &amp; Engineers Limited

ePBG to be submitted as per the standard format to be collected from GRSE. No other format will be accepted. Vendor has to upload ePBG as per GRSE format on GeM portal to enable them to initiate the billing activities on GeM.

(61 Garden Reach Road, Kolkata -700024)

**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. 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 .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. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. 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 and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. 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 MSE 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. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

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.

5. 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

## **Server ( 2 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
Chassis	Form Factor	Rack, Tower Or higher
	Size (RU)	2
Processor	Processor Architecture	CISC(X86), RISC, EPIC Or higher
	Processor Make	Intel
	Number of Cores per Processor	64, 48, 52, 56, 60, 84, 96, 112, 128 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, 2.45, 2.55, 2.65, 2.75, 2.85, 2.95, 3.25, 3.55, 3.85, 4.05, 4.1 Or higher
	Processor Description/ Number	Intel Xeon Platinum 8490H, Intel Xeon Platinum 8480+, Intel Xeon Platinum 8470, Intel Xeon Platinum 8468, Intel Xeon Platinum 8470Q, Intel Xeon Platinum 8468H, Intel Xeon Platinum 8470N, Intel Xeon Platinum 8468V, Intel Xeon Platinum 8592+ (320M Cache, 64C, 1.9GHz/2.9GHz) 350W, Intel Xeon Platinum 8593Q (320M Cache, 64C, 2.2GHz/3.0GHz) 385W, Intel Xeon Platinum 8580 (300M Cache, 60C, 2.0GHz/2.9GHz) 350W, Intel Xeon Platinum 8592V (320M Cache, 64C, 2.0GHz/2.9GHz) 330W, Intel Xeon Platinum 8570 (300M Cache, 56C, 2.1GHz/3.0GHz) 350W, Intel Xeon Platinum 8568Y+ (300M Cache, 48C, 2.3GHz/3.2GHz) 350W, Intel Xeon Gold 6558Q (60M Cache, 32C, 3.2GHz/4.1GHz) 350W, Intel Xeon Platinum 8562Y+ (60M Cache, 32C, 2.8GHz/3.8GHz) 300W, Intel Xeon Gold 6548Y+ (60M Cache, 32C, 2.5GHz/3.5GHz) 250W, Intel Xeon Platinum 8558P (260M Cache, 48C, 2.7GHz/3.2GHz) 350W, Intel Xeon Gold 6548N (60M Cache, 32C, 2.8GHz/3.5GHz) 250W, Intel Xeon Platinum 8558 (260M Cache, 48C, 2.1GHz/3.0GHz) 330W, Intel Xeon Gold 6538Y+ (60M Cache, 32C, 2.2GHz/3.3GHz) 225W, Intel Xeon Gold 6538N (60M Cache, 32C, 2.1GHz/2.9GHz) 205W, Intel Xeon Gold 6542Y (60M Cache, 24C, 2.9GHz/3.6GHz) 250W, Intel Xeon Gold 5520+ (52.5M Cache, 28C, 2.2GHz/3.0GHz) 205W, Intel Xeon Gold 6554S (180M Cache, 36C, 2.2GHz/3.0GHz) 270W, Intel Xeon Gold 6530 (160M Cache, 32C, 2.1GHz/2.7GHz) 270W, Intel Xeon Silver 4516Y+ (45M Cache, 24C, 2.2GHz/2.9GHz) 185W, Intel Xeon Gold 6544Y (45M Cache, 16C, 3.6GHz/4.1GHz) 270W, Intel Xeon Gold 6526Y (37.5M Cache, 16C, 2.8GHz/3.5GHz) 195W, Intel Xeon Silver 4514Y (30M Cache, 16C, 2.0GHz/2.6GHz) 150W, Intel Xeon Gold 5512U, Intel Xeon Silver 4510 (30M Cache, 12C, 2.4GHz/3.3GHz) 150W, Intel Xeon Silver 4510T (30M Cache, 12C, 2.0GHz/2.8GHz) 115W, Intel Xeon Gold 6534 (22.5M Cache, 8C, 3.9GHz/4.2GHz) 195W, Intel Xeon Gold 5515+ (22.5M Cache, 8C, 3.2GHz/3.6GHz) 165W, Intel Xeon Silver 4509Y (22.5M Cache, 8C, 2.6GHz/3.6GHz) 125W, Intel Xeon MAX 9480 (112.5M Cache, 56C, 1.9GHz/2.6GHz) 350W, Intel Xeon Platinum 8452Y (67.5M Cache, 36C, 2GHz/2.8GHz) 300W Or higher

<b>Specification</b>	<b>Specification Name/विशिष्टि का नाम</b>	<b>Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य</b>
Motherboard	Expansion Slots Gen 3 (PCIe x16)	3
	<b>Maximum number of Sockets available on Server</b>	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>	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>	DDR5
	DDR SDRAM Size(GB)	256.0 - 6144.0 Or higher
SSD Storage	<b>Type of Interface for SSD</b>	SATA
	Type of SATA SSD	Read Intensive
	SATA SSD Hot Swappable	Yes Or higher
	Capacity offered per SATA SSD (GB)	960
	Total Capacity Offered with SATA SSD (GB)	1920.0 Or higher
HDD Storage	<b>Type of Interface for Hard Disk Drive</b>	SATA
	SATA drive speed (hot plug or better) (RPM)	7200
	Total Storage Capacity offered with SATA Drive (GB)	24000.0 Or higher
RAID	RAID level	1, 5, 1+0, 5+0, 0
	<b>No of RAID Controller Ports</b>	8 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	12 Or higher
	RAID Controller Cache (GB)	4, 6, 8 Or higher
Ports & Interfaces	Network Card Supported	1G
	<b>Number of Networking Interface Cards (LAN)</b>	2, 3, 4, 5, 6, 7, 8, 1 Or higher
	Whether Network Interface Card Embedded	Yes Or higher
	<b>Total Number of Ethernet Ports required in Server</b>	4x1G
	Networking Interface Card Features	Asset Feature Tracking
	<b>Number of Single port FC HBA card</b>	0, 1, 2, 3, 4 Or higher

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<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
	Video Controller (support VGA or above resolution)	Yes Or higher
	USB Ports (version 2point0/3point0)	4, 5, 6, 7, 8, 9, 10 Or higher
	Total number of Spare Bays Available for Future Upgradation (Internal)	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 Or higher
Certifications	<b>Certifications/Compliance (OS)</b>	Windows, Red Hat Linux, Suse Linux, Ubuntu
	Certification/Compliance (Virtualization/Cloud Platform)	VM ware, HyperV, Oracle Virtualization, Red Hat Virtualization
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
	Management Features-2	Platfrom inventory and helath status
	<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)
	Security Features-2	Provision for Cryptographic firmware updates, Capability to stop execution of Application/Hypervisor/ Operating System on predefined security breach, Secure /Automatic BIOS recovery, In case of any security breach system should provide the lock down feature

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Server scalability to be achieved within the box & without adding nodes	Yes Or higher
	support for high availability clustering and virtualization	Yes Or higher
Generic	Redundant Power Supply	Yes Or higher
	Hot Swappable (Redundant Power Supply)	Yes Or higher
	<b>Power Supply Efficiency</b>	Platinum, Titanium, Bronze Or higher
	Redundant Fan	Yes Or higher
	Hot Swappable (Redundant Fan)	Yes Or higher
	Server Main Supply	230 +/- 10%Vac
Miscellaneous	BIS Registration under CRS of MeitY	Yes
Warranty	<b>On Site OEM Warranty (Year)</b>	3, 4, 5, 7 Or higher

**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	*****	*****Kolkata	2	45

**Server ( 2 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
Chassis	Form Factor	Rack, Tower Or higher

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Size (RU)	1
Processor	Processor Architecture	CISC(X86), RISC, EPIC Or higher
	<b>Processor Make</b>	Intel
	<b>Number of Cores per Processor</b>	12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 64, 48, 44, 52, 56, 60, 84, 96, 112, 128 Or higher
	<b>Processor Base Frequency (GHz)</b>	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, 2.45, 2.55, 2.65, 2.75, 2.85, 2.95, 3.25, 3.55, 3.85, 4.05, 4.1 Or higher
	Processor Description/ Number	Intel Xeon Platinum 8592+ (320M Cache, 64C, 1.9GHz/2.9GHz) 350W, Intel Xeon Platinum 8593Q (320M Cache, 64C, 2.2GHz/3.0GHz) 385W, Intel Xeon Platinum 8580 (300M Cache, 60C, 2.0GHz/2.9GHz) 350W, Intel Xeon Platinum 8592V (320M Cache, 64C, 2.0GHz/2.9GHz) 330W, Intel Xeon Platinum 8570 (300M Cache, 56C, 2.1GHz/3.0GHz) 350W, Intel Xeon Platinum 8568Y+ (300M Cache, 48C, 2.3GHz/3.2GHz) 350W, Intel Xeon Gold 6558Q (60M Cache, 32C, 3.2GHz/4.1GHz) 350W, Intel Xeon Platinum 8562Y+ (60M Cache, 32C, 2.8GHz/3.8GHz) 300W, Intel Xeon Gold 6548Y+ (60M Cache, 32C, 2.5GHz/3.5GHz) 250W, Intel Xeon Platinum 8558P (260M Cache, 48C, 2.7GHz/3.2GHz) 350W, Intel Xeon Gold 6548N (60M Cache, 32C, 2.8GHz/3.5GHz) 250W, Intel Xeon Platinum 8558 (260M Cache, 48C, 2.1GHz/3.0GHz) 330W, Intel Xeon Gold 6538Y+ (60M Cache, 32C, 2.2GHz/3.3GHz) 225W, Intel Xeon Gold 6538N (60M Cache, 32C, 2.1GHz/2.9GHz) 205W, Intel Xeon Gold 6542Y (60M Cache, 24C, 2.9GHz/3.6GHz) 250W, Intel Xeon Gold 5520+ (52.5M Cache, 28C, 2.2GHz/3.0GHz) 205W, Intel Xeon Gold 6554S (180M Cache, 36C, 2.2GHz/3.0GHz) 270W, Intel Xeon Gold 6530 (160M Cache, 32C, 2.1GHz/2.7GHz) 270W, Intel Xeon Silver 4516Y+ (45M Cache, 24C, 2.2GHz/2.9GHz) 185W, Intel Xeon Gold 6544Y (45M Cache, 16C, 3.6GHz/4.1GHz) 270W, Intel Xeon Gold 6526Y (37.5M Cache, 16C, 2.8GHz/3.5GHz) 195W, Intel Xeon Silver 4514Y (30M Cache, 16C, 2.0GHz/2.6GHz) 150W, Intel Xeon Gold 5512U, Intel Xeon Silver 4510 (30M Cache, 12C, 2.4GHz/3.3GHz) 150W, Intel Xeon MAX 9480 (112.5M Cache, 56C, 1.9GHz/2.6GHz) 350W, Intel Xeon Platinum 8452Y (67.5M Cache, 36C, 2GHz/2.8GHz) 300W Or higher
Motherboard	Expansion Slots Gen 3 (PCIe x16)	2
	<b>Maximum number of Sockets available on Server</b>	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



<b>Specification</b>	<b>Specification Name/विशिष्टि का नाम</b>	<b>Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य</b>
Co Processor / GPU	<b>Availability of Co Processor /GPU</b>	Yes, No Or higher
Memory	<b>Type of RAM</b>	DDR5
	DDR SDRAM Size(GB)	16.0 - 6144.0 Or higher
SSD Storage	<b>Type of Interface for SSD</b>	NA
HDD Storage	<b>Type of Interface for Hard Disk Drive</b>	SATA
	Capacity offered per SATA Drive (GB)	4000
	SATA drive speed (hot plug or better) (RPM)	7200
	Total Storage Capacity offered with SATA Drive (GB)	8000.0 Or higher
RAID	RAID level	1, 5, 1+0, 5+0, 0
	<b>No of RAID Controller Ports</b>	8 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	12 Or higher
	RAID Controller Cache (GB)	4, 6, 8 Or higher
Ports & Interfaces	<b>Number of Networking Interface Cards (LAN)</b>	2, 3, 4, 5, 6, 7, 8, 1 Or higher
	<b>Total Number of Ethernet Ports required in Server</b>	4x1G
	Networking Interface Card Features	Asset Feature Tracking
	<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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<b>Length of LC-LC Cable per CNA Port (meter)</b>	5, 10, 15, 0 Or higher
	Video Controller (support VGA or above resolution)	Yes Or higher
	USB Ports (version 2point0/3point0)	4, 5, 6, 7, 8, 9, 10 Or higher
	Total number of Spare Bays Available for Future Upgradation (Internal)	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 Or higher
Certifications	<b>Certifications/Compliance (OS)</b>	Windows, Red Hat Linux, Suse Linux, Ubuntu, Cent OS
	Certification/Compliance (Virtualization/Cloud Platform)	VM ware, HyperV, Oracle Virtualization, Red Hat Virtualization
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
	Management Features-2	Platfrom inventory and helath status
	<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>	Platinum, Titanium, Bronze Or higher
	Redundant Fan	Yes Or higher
	Hot Swappable (Redundant Fan)	Yes Or higher
	Server Main Supply	230 +/- 10%Vac
Miscellaneous	BIS Registration under CRS of MeitY	Yes
Warranty	<b>On Site OEM Warranty (Year)</b>	3, 4, 5, 7 Or higher

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्र	Delivery Days/डिलीवरी के दिन
1	*****	*****Kolkata	2	45

**Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें****1. Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

ITEM S L. NO.	DESCRIPTION	QUANTITY	UNIT OF MEASURE
1	LOG COLLECTOR SERVER	2	EA
2	Chakravyuh Server	2	EA

**NOTE :-**

- Scope of Technical Requirement (SOTR) for Supply , Installation & Commissioning of 'L OG COLLECTOR SERVER & CHAKRAVYUH SERVER' for GRSE IT Department as per SOTR No. IT/2024/CAP/P/MAYA-SERVER/01. - <06 pages attached>.
- In the event of conflict between the terms & conditions in this NIT and the SOTR, the terms & conditions given in this NIT will prevail.
- Payment will be released against regularising GRSE SAP purchase order. In the event of conflict between the terms & conditions of the GeM contract and the GRSE SAP purchase order, the terms & conditions as given in the GRSE SAP purchase order will prevail.
- Bidders are requested to go through all the clauses / terms of the NIT / tender enquiry before submitting their bids.
- The rates in the GeM portal are generally inclusive of GST. Bidders are requested to quote accordingly and to indicate the percentage of GST applicable in their bid.
- EMD of ₹ 1,26,000 is applicable.** The same is to be sent in an envelope, clearly indicating the Tender Reference and Due Date, to the tendering authority so as to reach before the tender opening date and time. GRSE shall not be responsible for postal delays , etc. Bids/Offer submitted without EMD within specified date and time will be treated as non-responsive and summarily rejected. Scanned copy of the EMD is to be attached along with the techno-commercial bid. Bidders are requested to kindly submit EMD in the form of either demand draft / bankers cheque / bank guarantee. EMD should be valid for at least 180 days from due date / extended due date of the tender enquiry. New/unregistered bidders are to fill-up and submit the ECS format in case EMD is submitted. Non-submission of correct ECS details might lead to rejection of EMD. GRSE standard ECS format is given

ven at Annexure--K of this enquiry.

Bidders are required to be registered on the TReDS (Trades Receivables e-Discounting System) - [www.invoicemart.com](http://www.invoicemart.com) - as per directives of the Government of India. The bidders are to indicate the registration number allotted by TReDS / Invoicemart in their bids. In the event of any bidder not registered in the portal or not indicating the registration details in their bids, GRSE reserves the right to disqualify their bids without assigning any reason whatsoever.

for GARDEN REACH SHIPBUILDERS & ENGINEERS LTD. (A Govt. of India Enterprise, under the Ministry of Defence),

(A.K.Bharati)

Manager (Materials | Purchase)

Regd. & Corp. Office : 61, Garden Reach Road, Kolkata - 700 024.

Correspondence : Commercial Department, New Building Complex (1<sup>st</sup> Floor), GRSE Main Unit , 43/46 Garden Reach Road, Kolkata – 700 024.

Phone : (033) 2469 8100-14; extn. 221 || Email : [Bose.ParthaSarathi@grse.co.in](mailto:Bose.ParthaSarathi@grse.co.in)

Website : [www.grse.in](http://www.grse.in) || CIN : L35111WB1934GOI007891.

## 2. **Scope of Supply**

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

## 3. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 50 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 50% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

## 4. **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. If any 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 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. (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 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---