

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	24-03-2025 16:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	24-03-2025 16:30:00
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 Home Affairs
Department Name/विभाग का नाम	Central Armed Police Forces
Organisation Name/संगठन का नाम	National Security Guard (nsg)
Office Name/कार्यालय का नाम	Directorate General
क्रैता ईमेल/Buyer Email	scCOORD.PROV@NSG.GOV.IN
Total Quantity/कुल मात्रा	6
Item Category/मद केटेगरी	Server (Q2) , Layer 2 Access Switch (V2) (Q2)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	40 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	250 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/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes

Bid Details/बिड विवरण	
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (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 the buyer
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	Yes
Past Performance/विगत प्रदर्शन	30 %
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	7 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Post Dispatch
Name of the Empanelled Inspection Agency/ Authority	Board of Officers
Auto CRAC Days	60
Estimated Bid Value/अनुमानित बिड मूल्य	8399596
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Arbitration Clause	No
Mediation Clause	No

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	167000

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 कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई कैटेगरी 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 :

Pay and Accounts Officer

Room No. 241, Headquarter National Security Guard, Mehram Nagar, Near Domestic Airport (T-1), Palam , New Delhi - 110037

(Pao)

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. 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. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their 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.
3. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the 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 the 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.
4. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU 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 highest value should meet this criterion.

5. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated 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 the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM 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.

6. 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.

7. 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.

8. 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.

9. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. 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 the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

10. Inspection of Stores by Nominated Inspection Authority / Agency of buyer or their authorized representatives

An independent third party Professional Inspection Body can help buyer in mitigating buyer's risk with pre-dispatch/post-dispatch inspection in order to ensure that equipment, components, solutions and documentation conform to contractual requirements. The buyer has a right to inspect goods in reasonable manner and within reasonable time at any reasonable place as indicated in contract. Inspection Fee/ Charges (as pre-greed between buyer and Inspection Agency) would be borne by the buyer as per their internal arrangement but may be recovered from the seller if the consignment failed to conform to contractual specification and got rejected by

the Inspection Officer .If so requested and accepted by the seller , initially seller may pay for inspection charges as applicable and get the same reimbursed from buyer if consignment accepted by the Inspecting Officer . For reimbursement seller has to submit proof of payment to Inspection Agency.

Seller/OEM shall send a notice in writing / e-mail to the Inspecting officer / inspection agency specifying the place of inspection as per contract and the Inspecting officer shall on receipt of such notice notify to the seller the date and time when the stores would be inspected. The seller shall, at his own expenses, afford to the Inspecting officer, all reasonable facilities as may be necessary for satisfying himself that the stores are being and or have been manufactured in accordance with the technical particulars governing the supply. The decision of the purchaser representative /inspection authority regarding acceptance / rejection of consignment shall be final and binding on the seller.

The Seller shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspecting officer may demand of him for any test, and examination, other than special or independent test, which he shall require to be made on the seller's premises and the seller shall bear and pay all costs attendant thereon.

The seller shall also provide and deliver store / sample from consignment under inspection free of charge at any such place other than his premises as the Inspecting officer may specify for acceptance tests for which seller/OEM does not have the facilities or for special/ independent tests.

In the event of rejection of stores or any part thereof by the Inspecting officer basis testing outside owing to lack of test facility at sellers premises, the seller shall, on demand, pay to the buyer the costs incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the Laboratory to private persons for similar work.

Inspector shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may like fit and proper as per QAP/governing specification. The seller shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspecting officer.

Unless otherwise provided for in the contract, the quantity of the stores or materials expended in test will be borne by seller.

Inspecting officer is the Final Authority to Certify Performance / accept the consignment. The Inspecting officer's decision as regards the rejection shall be final and binding on the seller.

The seller shall if so required at his own expense shall mark or permit the Inspecting officer to mark all the approved stores with a recognised Government or purchaser's mark.

11. 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 (4 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

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

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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Processor	Processor Architecture	CISC(X86), RISC, EPIC Or higher
	Processor Make	Intel, AMD
	Number of Cores per Processor	32, 34, 36, 38, 40, 64, 48, 44, 52, 56, 60, 84, 96, 112, 128 Or higher
	Processor Base Frequency (GHz)	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, 2.65, 2.75, 2.85, 2.95, 3.25, 3.55, 3.85, 4.05, 4.1, 4.5, 4.4, 4.2 Or higher

Specification	Specification Name/विशिष्ट क नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Processor Description/ Number	Intel Xeon Platinum 9242, Intel Xeon Platinum 9282, Intel Xeon Platinum 8380HL, Intel Xeon Platinum 8380H, Intel Xeon Platinum 8376HL, Intel Xeon Platinum 8376H, Intel Xeon Platinum 8360HL, Intel Xeon Platinum 8360H, Intel Xeon Platinum 8354H, Intel Xeon Gold 6348H, Intel Xeon Gold 6330H, Intel Xeon Gold 5320H, Intel Xeon Platinum 8368Q, Intel Xeon Platinum 8380, Intel Xeon Platinum 8368, Intel Xeon Platinum 8360Y, Intel Xeon Platinum 8358, 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 8458P, Intel Xeon MAX 9480, Intel Xeon MAX 9470, Intel Xeon Platinum 8460H, Intel Xeon MAX 9468, Intel Xeon Platinum 8460Y+, Intel Xeon Gold 6458Q, Intel Xeon MAX 9460, Intel Xeon Platinum 8462Y+, Intel Xeon Gold 6448H, Intel Xeon MAX 9462, Intel Xeon Gold 6448Y, Intel Xeon Gold 6454S, Intel Xeon Platinum 8454H, Intel Xeon Gold 6438Y+, Intel Xeon Gold 6438M, Intel Xeon Gold 6438N, Intel Xeon Gold 6430, Intel Xeon Gold 6442Y, Intel Xeon Gold 6428N, Intel Xeon Platinum 8450H, Intel Xeon Gold 5420+, Intel Xeon Gold 6418H, 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,

Specification	Specification Name/विशिष्ट का नाम	2.6GHz/3.6GHz) 125W, Intel Xeon MAX 9480 (112.5M Cache, 56C, 1.9GHz/2.6GHz) 350W, Intel Xeon Platinum 8452Y (Value) 3.6GHz/2.8GHz) 300W Or higher
Motherboard	Expansion Slots Gen 3 (PCIe x1)	0, 1, 2, 3, 4, 5, 6 Or higher
	Expansion Slots Gen 3 (PCIe x4)	0, 1, 2, 3, 4, 5 Or higher
	Expansion Slots Gen 3 (PCIe x16)	2
	Maximum number of Sockets available on Server	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
	Maximum number of Sockets populated with Processors available on Server	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
Co Processor / GPU	Availability of Co Processor /GPU	Yes, No Or higher
	If Yes, Maximum Number of Slots available for Co-Processor/GPU	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
	If Yes, Maximum Number of slots populated with Co processor/GPU	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 8 Or higher
	If Yes, Co Processor /GPU Description	NVIDIA Tesla P4 8GB, NVIDIA Tesla P40 24GB, NVIDIA Tesla V100 PCI-E 16GB, NVIDIA Tesla V100 SXM2 16GB, NVIDIA Tesla V100 PCI-E 32GB, NVIDIA Tesla V100 SXM2 32GB, NA, NVIDIA(R) Tesla(TM) T4 16GB, NVIDIA Tesla M10 Quad GPU Module, NVIDIA Quadro P6000 Graphics Accelerator, NVIDIA Quadro P4000 Graphics Accelerator, NVIDIA Tesla P40 24GB Computational Accelerator, NVIDIA Quadro RTX 6000 Graphics Accelerator, NVIDIA Tesla T4 16GB Computational Accelerator, NVIDIA Quadro RTX 4000 Graphics Accelerator, NVIDIA Quadro RTX 8000 Graphics Accelerator, NVIDIA Quadro P2200 Graphics Accelerator, NVIDIA Tesla V100S 32GB Computational Accelerator, NVIDIA Quadro RTX 5000 16GB Graphics Accelerator, NVIDIA Tesla A100 40GB PCIe based Accelerator, NVIDIA Tesla A100 40GB NVlink based Accelerator Or higher
Memory	Type of RAM	DDR4 SDRAM with ECC
	DDR SDRAM Size(GB)	256.0 - 6144.0 Or higher
	DDR NVRAM Size (GB)	0.0 - 1600.0 Or higher
SSD Storage	Type of Interface for SSD	SATA
	SATA SSD Hot Swappable	Yes Or higher
	Capacity offered per SATA SSD (GB)	1000
	Total Capacity Offered with SATA SSD (GB)	1000.0 Or higher
HDD Storage	Type of Interface for Hard Disk Drive	SATA

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
RAID	RAID level	1, 5, 1+0, 0
	No of RAID Controller Ports	8 Or higher
	Speed of RAID Controller Ports (Gbps)	12 Or higher
	RAID Controller Cache (GB)	1, 2, 4, 6, 8 Or higher
Ports & Interfaces	Network Card Supported	1G, 10G
	Number of Networking Interface Cards (LAN)	2, 3, 4, 5, 6, 7, 8 Or higher
	Whether Network Interface Card Embedded	Yes Or higher
	Total Number of Ethernet Ports required in Server	1x1G, 2x10G with SFP+, 2x10G RJ 45, 2x25G with SFP+, 2x25G with Twinax DAC, 2x40G with SFP+, 2x50G with SFP+, 2x50G with Twinax DAC, 2x100G with SFP+, 2x100G with Twinax DAC, 2x200G with SFP+, 2x200G with Twinax DAC, 4x10G with SFP+, 4x10G RJ 45, 4x50G with SFP+, 4x50G with Twinax DAC, 4x100G with SFP+, 4x100G with Twinax DAC, 4x200G with SFP+, 4x200G with Twinax DAC, 2x1G, 4x25G with SFP+, 4x25G with Twinax DAC, 2x40G with Twinax DAC, 4x10G with Twinax DAC, 4x1G
	Networking Interface Card Features	Asset Feature Tracking, Security Management
	Server Network Ports should Support SR-IOV Feature	Yes Or higher
	Server network ports should support DPDK and it should deliver zero packet loss as per RFC 2544 and deliver 100% line rate for all the packet sizes over 64 Bytes, Vendor to submit latest DPDK test report for the same	Yes, No Or higher
	Number of Single port FC HBA card	0, 1, 2, 3, 4 Or higher
	Number of Dual port FC HBA card	0, 1, 2, 3, 4 Or higher
	Number of Quad port FC HBA card	0, 1, 2, 3, 4 Or higher
	FC HBA Speed (Gbps)	8, 16, 32, NA Or higher
	vHBA Card Features Supported	Yes, No Or higher
	Number of Converged Network Adaptor (CNA)	0, 1, 2, 3, 4 Or higher
	Number of Ports per CNA card	Dual Port, Quad Port, NA Or higher
	CNA Port Speed (Gbps)	10, 25, 40, 50, 100, 200, 0 Or higher

Specification	Specification Name/विशिष्ट का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Length of LC-LC Cable per SFP+ Port (meter)	5, 10, 15, 0 Or higher
	Length of LC-LC Cable per HBA Port (meter)	5, 10, 15, 0 Or higher
	Length of LC-LC Cable per CNA Port (meter)	5, 10, 15, 0 Or higher
	Length of Twinax Breakout Cables per Port (meter)	5, 10, 15, 0 Or higher
	Video Controller (support VGA or above resolution)	Yes Or higher
	Total number of Spare Bays Available for Future Upgradation (Internal)	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 Or higher
Certifications	Certifications/Compliance (OS)	Ubuntu
Features	Management Features-1	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
	Security Features-1	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
	Power Supply Efficiency	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	On Site OEM Warranty (Year)	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	Rajeev Kumar	122051,National Security Guards, Manesar	4	45

Layer 2 Access Switch (V2) (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

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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Specification	Type of Switch	Managed
	Technology	PoE, PoE+
	Number of 1G Copper Ports	24
	Number of 10G Copper Ports	2.0 Or higher
	Number of 10 G SFP+ Port (Uplink)	4.0 Or higher
	Multi-Gigabit Support	Yes, No
	Redundant Power supply (from day one)	Available, Not Available, Supported and Part of Supply, Supported
	Switching Capacity-Non Blocking (Gbps)	168.0 Or higher
	On Site OEM Warranty	5 Year

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
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S.No./क्र. सं.	Consignee Reporting/Officer/ परेक्षित/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Rajeev Kumar	122051,National Security Guards, Manesar	2	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 the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. Generic

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 3 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

4. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

5. Generic

Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file](#)

6. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

7. Generic

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years 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 year. In case of bunch bids, the primary product having highest value should meet this criterion.

8. **Generic**

For hazardous chemical/item, all precautionary measure as per regulation from the point of transportation/ handling/ storage/ safety/ health/ environment to be undertaken/ specified before dispatch. During dispatch, proper symbol for the hazard/ MSDS/ Batch No./ date of manufacturing/ Gross Weight/ Net Weight/ shelf Life etc are to be written/ printed/ pasted on the body of the packing.

9. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

10. **Generic**

IT equipment shall be IPv6 ready from day one.

11. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

12. **Generic**

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

13. **Generic**

Non return of Hard Disk: As per Buyer organization's Security Policy,Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.

14. **Generic**

Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.

15. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

16. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

17. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

18. **Scope of Supply**

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

19. **Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated 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 the 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.

20. **Turnover**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated 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 the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM 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. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

21. **OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

22. **Purchase Preference (Centre)**

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% 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 percentage of 20% of total value.

23. **Purchase Preference (Centre)**

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

24. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

25. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

26. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

27. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

28. **Certificates**

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

29. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

30. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

31. **Certificates**

BEE & ENERGY STAR CERTIFICATE

border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify"><span style="font-size:11.0pt;font-family:"Arial","sans-serif","Maximum number of Sockets available on Server <o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="margin:0in;margin-bottom:.0001pt;text-align:justify"><span style="font-size:11.0pt;font-family:"Arial","sans-serif","2<o:p></o:p></p> </td> </tr> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; 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<p>If Yes, Co Processor/GPU Description</p>	
NA	Memory
21	22
23	24

<p>valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:16.5pt"> <p style="text-align:justify">Type of SATA SSD<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:16.5pt"> <p style="text-align:justify">Yes<o:p></o:p></p> </td> </tr> <tr style="mso-yfti-irow:27;height:20.3pt"> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt;height:20.3pt"> <p style="text-align:justify">31.<o:p></o:p></p> </td> <td width="287" valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:20.3pt"> <p style="text-align:justify">SATA SSD Hot Swappable<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:20.3pt"> <p style="text-align:justify">Yes<o:p></o:p></p> </td> </tr> <tr style="mso-yfti-irow:28;height:6.7pt"> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none; mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt;height:6.7pt"><br clear="all" style="page-break-before:always"> <p style="text-align:justify">32.<o:p></o:p></p> </td> <td width="287" valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:6.7pt"> <p style="text-align:justify">Endurance for SATA SSD (DWPD) - Drive Writes Per Day) (x)<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:6.7pt"> <p style="text-align:justify">0.8<o:p></o:p></p> </td> </tr> <tr style="mso-yfti-irow:29;height:6.7pt"> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt;height:6.7pt"> <p style="text-align:justify">33.<o:p></o:p></p> </td> <td width="287" valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:6.7pt"> <p style="text-align:justify">Total Number of slots available for SATA SSD<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:6.7pt"> <p style="text-align:justify">8<o:p></o:p></p> </td> </tr> <tr style="mso-yfti-irow:30;height:19.2pt"> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt;height:19.2pt"> <p style="text-align:justify">34.<o:p></o:p></p> </td> <td width="287" valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:19.2pt"> <p style="text-align:justify">Number of slots populated with SATA SSD<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext</p>

RAID Level	
5 or better	40
RAID Controller Cache (GB)	
2 GB or more	
Port & Interfaces	
43	44
Number of Networking Interface Cards (LAN)	
4 or more	
Number of Ports per Network Interface Card	
1x1G or Better	
45	
Networking Interface Card Features	

ht:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:32.35pt"> <p style="text-align:justify">Asset Feature Tracking<o:p></o:p></p> </td> </tr> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">46.<o:p></o:p></p> </td> <td width="287" valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">Server network ports should support DPDK and it should deliver zero packet loss as per RFC 2544 and deliver 100% line rate for all the packet sizes over 64 Bytes, Vendor to submit latest DPDK test report for the same<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">Yes<o:p></o:p></p> </td> </tr> <tr style="mso-yfti-irow:43;height:5.0pt"> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt;height:5.0pt">mso-fareast-font-family:"Times New Roman"; mso-ansi-language:EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA"><br clear="all" style="page-break-before:always"> <p style="text-align:justify">47.<o:p></o:p></p> </td> <td width="287" valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt; border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:5.0pt"> <p style="text-align:justify">FC HBA Speed (Gbps)<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:5.0pt"> <p style="text-align:justify">NA<o:p></o:p></p> </td> </tr> <tr style="mso-yfti-irow:44;height:5.0pt"> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt;height:5.0pt"> <p style="text-align:justify">48.<o:p></o:p></p> </td> <td width="287" valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:5.0pt"> <p style="text-align:justify">vHBA Card Features Supported<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:5.0pt"> <p style="text-align:justify">No<o:p></o:p></p> </td> </tr> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">49.<o:p></o:p></p> </td> <td width="287" valign="top" style="width:215.4pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">Number of Converged Network Adaptor (CNA)<o:p></o:p></p> </td> <td width="246" colspan="2" valign="top" style="width:184.3pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">0<o:p></o:p></p> </td> </tr> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">50.<o:p></o:p></p>

<p>Number of Ports per CNA card</p>	
NA	51
Keyboard Port	No
Mouse Port	No
DVD ROM (Internal/External)	Yes
USB Ports (Ver 2 or 3)	4 or better
	55

<p> Total number of spare Bays available for future Up-gradation (Internal) </p>	<p> 3 or better </p>
<p> 56 </p>	<p> Total number of spare Bays available for future Up-gradation (Hot Pluggable) </p>
<p> Total number of spare Bays available for future Up-gradation (Hot Pluggable) </p>	<p> 3 or better </p>
<p> 69 </p>	<p> Certifications </p>
<p> Certifications/Compliance (OS) </p>	<p> Windows, Red Hat Linux, Suse Linux, Ubuntu, Cent OS </p>
<p> 70 </p>	<p> 70 </p>
<p> Certification/Compliance (Virtualization/Cloud Platform) </p>	<p> VMware, Red Hat Virtualization </p>
<p> 71 </p>	<p> 71 </p>
<p> Management Feature s-1 </p>	

<p>Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port</p>	<p>Security Features-2</p>	<p>Secure/Automatic BIOS recovery</p>	<p>Server scalability to be achieved within the box & without adding nodes</p>	<p>Yes</p>
<p>72.</p>	<p>73.</p>	<p>74.</p>	<p>75.</p>	<p>76.</p>
<p>77.</p>	<p>78.</p>	<p>79.</p>	<p>80.</p>	<p>81.</p>
<p>82.</p>	<p>83.</p>	<p>84.</p>	<p>85.</p>	<p>86.</p>
<p>87.</p>	<p>88.</p>	<p>89.</p>	<p>90.</p>	<p>91.</p>
<p>92.</p>	<p>93.</p>	<p>94.</p>	<p>95.</p>	<p>96.</p>
<p>97.</p>	<p>98.</p>	<p>99.</p>	<p>100.</p>	<p>101.</p>
<p>102.</p>	<p>103.</p>	<p>104.</p>	<p>105.</p>	<p>106.</p>
<p>107.</p>	<p>108.</p>	<p>109.</p>	<p>110.</p>	<p>111.</p>
<p>112.</p>	<p>113.</p>	<p>114.</p>	<p>115.</p>	<p>116.</p>
<p>117.</p>	<p>118.</p>	<p>119.</p>	<p>120.</p>	<p>121.</p>
<p>122.</p>	<p>123.</p>	<p>124.</p>	<p>125.</p>	<p>126.</p>
<p>127.</p>	<p>128.</p>	<p>129.</p>	<p>130.</p>	<p>131.</p>
<p>132.</p>	<p>133.</p>	<p>134.</p>	<p>135.</p>	<p>136.</p>
<p>137.</p>	<p>138.</p>	<p>139.</p>	<p>140.</p>	<p>141.</p>
<p>142.</p>	<p>143.</p>	<p>144.</p>	<p>145.</p>	<p>146.</p>
<p>147.</p>	<p>148.</p>	<p>149.</p>	<p>150.</p>	<p>151.</p>
<p>152.</p>	<p>153.</p>	<p>154.</p>	<p>155.</p>	<p>156.</p>
<p>157.</p>	<p>158.</p>	<p>159.</p>	<p>160.</p>	<p>161.</p>
<p>162.</p>	<p>163.</p>	<p>164.</p>	<p>165.</p>	<p>166.</p>
<p>167.</p>	<p>168.</p>	<p>169.</p>	<p>170.</p>	<p>171.</p>
<p>172.</p>	<p>173.</p>	<p>174.</p>	<p>175.</p>	<p>176.</p>
<p>177.</p>	<p>178.</p>	<p>179.</p>	<p>180.</p>	<p>181.</p>
<p>182.</p>	<p>183.</p>	<p>184.</p>	<p>185.</p>	<p>186.</p>
<p>187.</p>	<p>188.</p>	<p>189.</p>	<p>190.</p>	<p>191.</p>
<p>192.</p>	<p>193.</p>	<p>194.</p>	<p>195.</p>	<p>196.</p>
<p>197.</p>	<p>198.</p>	<p>199.</p>	<p>200.</p>	<p>201.</p>
<p>202.</p>	<p>203.</p>	<p>204.</p>	<p>205.</p>	<p>206.</p>
<p>207.</p>	<p>208.</p>	<p>209.</p>	<p>210.</p>	<p>211.</p>
<p>212.</p>	<p>213.</p>	<p>214.</p>	<p>215.</p>	<p>216.</p>
<p>217.</p>	<p>218.</p>	<p>219.</p>	<p>220.</p>	<p>221.</p>
<p>222.</p>	<p>223.</p>	<p>224.</p>	<p>225.</p>	<p>226.</p>
<p>227.</p>	<p>228.</p>	<p>229.</p>	<p>230.</p>	<p>231.</p>
<p>232.</p>	<p>233.</p>	<p>234.</p>	<p>235.</p>	<p>236.</p>
<p>237.</p>	<p>238.</p>	<p>239.</p>	<p>240.</p>	<p>241.</p>
<p>242.</p>	<p>243.</p>	<p>244.</p>	<p>245.</p>	<p>246.</p>
<p>247.</p>	<p>248.</p>	<p>249.</p>	<p>250.</p>	<p>251.</p>
<p>252.</p>	<p>253.</p>	<p>254.</p>	<p>255.</p>	<p>256.</p>
<p>257.</p>	<p>258.</p>	<p>259.</p>	<p>260.</p>	<p>261.</p>
<p>262.</p>	<p>263.</p>	<p>264.</p>	<p>265.</p>	<p>266.</p>
<p>267.</p>	<p>268.</p>	<p>269.</p>	<p>270.</p>	<p>271.</p>
<p>272.</p>	<p>273.</p>	<p>274.</p>	<p>275.</p>	<p>276.</p>
<p>277.</p>	<p>278.</p>	<p>279.</p>	<p>280.</p>	<p>281.</p>
<p>282.</p>	<p>283.</p>	<p>284.</p>	<p>285.</p>	<p>286.</p>
<p>287.</p>	<p>288.</p>	<p>289.</p>	<p>290.</p>	<p>291.</p>
<p>292.</p>	<p>293.</p>	<p>294.</p>	<p>295.</p>	<p>296.</p>
<p>297.</p>	<p>298.</p>	<p>299.</p>	<p>300.</p>	<p>301.</p>
<p>302.</p>	<p>303.</p>	<p>304.</p>	<p>305.</p>	<p>306.</p>
<p>307.</p>	<p>308.</p>	<p>309.</p>	<p>310.</p>	<p>311.</p>
<p>312.</p>	<p>313.</p>	<p>314.</p>	<p>315.</p>	<p>316.</p>
<p>317.</p>	<p>318.</p>	<p>319.</p>	<p>320.</p>	<p>321.</p>
<p>322.</p>	<p>323.</p>	<p>324.</p>	<p>325.</p>	<p>326.</p>
<p>327.</p>	<p>328.</p>	<p>329.</p>	<p>330.</p>	<p>331.</p>
<p>332.</p>	<p>333.</p>	<p>334.</p>	<p>335.</p>	<p>336.</p>
<p>337.</p>	<p>338.</p>	<p>339.</p>	<p>340.</p>	<p>341.</p>
<p>342.</p>	<p>343.</p>	<p>344.</p>	<p>345.</p>	<p>346.</p>
<p>347.</p>	<p>348.</p>	<p>349.</p>	<p>350.</p>	<p>351.</p>
<p>352.</p>	<p>353.</p>	<p>354.</p>	<p>355.</p>	<p>356.</p>
<p>357.</p>	<p>358.</p>	<p>359.</p>	<p>360.</p>	<p>361.</p>
<p>362.</p>	<p>363.</p>	<p>364.</p>	<p>365.</p>	<p>366.</p>
<p>367.</p>	<p>368.</p>	<p>369.</p>	<p>370.</p>	<p>371.</p>
<p>372.</p>	<p>373.</p>	<p>374.</p>	<p>375.</p>	<p>376.</p>
<p>377.</p>	<p>378.</p>	<p>379.</p>	<p>380.</p>	<p>381.</p>
<p>382.</p>	<p>383.</p>	<p>384.</p>	<p>385.</p>	<p>386.</p>
<p>387.</p>	<p>388.</p>	<p>389.</p>	<p>390.</p>	<p>391.</p>
<p>392.</p>	<p>393.</p>	<p>394.</p>	<p>395.</p>	<p>396.</p>
<p>397.</p>	<p>398.</p>	<p>399.</p>	<p>400.</p>	<p>401.</p>
<p>402.</p>	<p>403.</p>	<p>404.</p>	<p>405.</p>	<p>406.</p>
<p>407.</p>	<p>408.</p>	<p>409.</p>	<p>410.</p>	<p>411.</p>
<p>412.</p>	<p>413.</p>	<p>414.</p>	<p>415.</p>	<p>416.</p>
<p>417.</p>	<p>418.</p>	<p>419.</p>	<p>420.</p>	<p>421.</p>
<p>422.</p>	<p>423.</p>	<p>424.</p>	<p>425.</p>	<p>426.</p>
<p>427.</p>	<p>428.</p>	<p>429.</p>	<p>430.</p>	<p>431.</p>
<p>432.</p>	<p>433.</p>	<p>434.</p>	<p>435.</p>	<p>436.</p>
<p>437.</p>	<p>438.</p>	<p>439.</p>	<p>440.</p>	<p>441.</p>
<p>442.</p>	<p>443.</p>	<p>444.</p>	<p>445.</p>	<p>446.</p>
<p>447.</p>	<p>448.</p>	<p>449.</p>	<p>450.</p>	<p>451.</p>
<p>452.</p>	<p>453.</p>	<p>454.</p>	<p>455.</p>	<p>456.</p>
<p>457.</p>	<p>458.</p>	<p>459.</p>	<p>460.</p>	<p>461.</p>
<p>462.</p>	<p>463.</p>	<p>464.</p>	<p>465.</p>	<p>466.</p>
<p>467.</p>	<p>468.</p>	<p>469.</p>	<p>470.</p>	<p>471.</p>
<p>472.</p>	<p>473.</p>	<p>474.</p>	<p>475.</p>	<p>476.</p>
<p>477.</p>	<p>478.</p>	<p>479.</p>	<p>480.</p>	<p>481.</p>
<p>482.</p>	<p>483.</p>	<p>484.</p>	<p>485.</p>	<p>486.</p>
<p>487.</p>	<p>488.</p>	<p>489.</p>	<p>490.</p>	<p>491.</p>
<p>492.</p>	<p>493.</p>	<p>494.</p>	<p>495.</p>	<p>496.</p>
<p>497.</p>	<p>498.</p>	<p>499.</p>	<p>500.</p>	<p>501.</p>
<p>502.</p>	<p>503.</p>	<p>504.</p>	<p>505.</p>	<p>506.</p>
<p>507.</p>	<p>508.</p>	<p>509.</p>	<p>510.</p>	<p>511.</p>
<p>512.</p>	<p>513.</p>	<p>514.</p>	<p>515.</p>	<p>516.</p>
<p>517.</p>	<p>518.</p>	<p>519.</p>	<p>520.</p>	<p>521.</p>
<p>522.</p>	<p>523.</p>	<p>524.</p>	<p>525.</p>	<p>526.</p>
<p>527.</p>	<p>528.</p>	<p>529.</p>	<p>530.</p>	<p>531.</p>
<p>532.</p>	<p>533.</p>	<p>534.</p>	<p>535.</p>	<p>536.</p>
<p>537.</p>	<p>538.</p>	<p>539.</p>	<p>540.</p>	<p>541.</p>
<p>542.</p>	<p>543.</p>	<p>544.</p>	<p>545.</p>	<p>546.</p>
<p>547.</p>	<p>548.</p>	<p>549.</p>	<p>550.</p>	<p>551.</p>
<p>552.</p>	<p>553.</p>	<p>554.</p>	<p>555.</p>	<p>556.</p>
<p>557.</p>	<p>558.</p>	<p>559.</p>	<p>560.</p>	<p>561.</p>
<p>562.</p>	<p>563.</p>	<p>564.</p>	<p>565.</p>	<p>566.</p>
<p>567.</p>	<p>568.</p>	<p>569.</p>	<p>570.</p>	<p>571.</p>
<p>572.</p>	<p>573.</p>	<p>574.</p>	<p>575.</p>	<p>576.</p>
<p>577.</p>	<p>578.</p>	<p>579.</p>	<p>580.</p>	<p>581.</p>
<p>582.</p>	<p>583.</p>	<p>584.</p>	<p>585.</p>	<p>586.</p>
<p>587.</p>	<p>588.</p>	<p>589.</p>	<p>590.</p>	<p>591.</p>
<p>592.</p>	<p>593.</p>	<p>594.</p>	<p>595.</p>	<p>596.</p>
<p>597.</p>	<p>598.</p>	<p>599.</p>	<p>600.</p>	<p>601.</p>
<p>602.</p>	<p>603.</p>	<p>604.</p>	<p>605.</p>	<p>606.</p>
<p>607.</p>	<p>608.</p>	<p>609.</p>	<p>610.</p>	<p>611.</p>
<p>612.</p>	<p>613.</p>	<p>614.</p>	<p>615.</p>	<p>616.</p>
<p>617.</p>	<p>618.</p>	<p>619.</p>	<p>620.</p>	<p>621.</p>
<p>622.</p>	<p>623.</p>	<p>624.</p>	<p>625.</p>	<p>626.</p>
<p>627.</p>	<p>628.</p>	<p>629.</p>	<p>630.</p>	<p>631.</p>
<p>632.</p>	<p>633.</p>	<p>634.</p>	<p>635.</p>	<p>636.</p>
<p>637.</p>	<p>638.</p>	<p>639.</p>	<p>640.</p>	<p>641.</p>
<p>642.</p>	<p>643.</p>	<p>644.</p>	<p>645.</p>	<p>646.</p>
<p>647.</p>	<p>648.</p>	<p>649.</p>	<p>650.</p>	<p>651.</p>
<p>652.</p>	<p>653.</p>	<p>654.</p>	<p>655.</p>	<p>656.</p>
<p>657.</p>	<p>658.</p>	<p>659.</p>	<p>660.</p>	<p>661.</p>
<p>662.</p>	<p>663.</p>	<p>664.</p>	<p>665.</p>	<p>666.</p>
<p>667.</p>	<p>668.</p>	<p>669.</p>	<p>670.</p>	<p>671.</p>
<p>672.</p>	<p>673.</p>	<p>674.</p>	<p>675.</p>	<p>676.</p>
<p>677.</p>	<p>678.</p>	<p>679.</p>	<p>680.</p>	<p>681.</p>
<p>682.</p>	<p>683.</p>	<p>684.</p>	<p>685.</p>	<p>686.</p>
<p>687.</p>	<p>688.</p>	<p>689.</p>	<p>690.</p>	<p>691.</p>
<p>692.</p>	<p>693.</p>	<p>694.</p>	<p>695.</p>	<p>696.</p>
<p>697.</p>	<p>698.</p>	<p>699.</p>	<p>700.</p>	<p>701.</p>
<p>702.</p>	<p>703.</p>	<p>704.</p>	<p>705.</p>	<p>706.</p>
<p>707.</p>	<p>708.</p>	<p>709.</p>	<p>710.</p>	<p>711.</p>
<p>712.</p>	<p>713.</p>	<p>714.</p>	<p>715.</p>	<p>716.</p>
<p>717.</p>	<p>718.</p>	<p>719.</p>	<p>720.</p>	<p>721.</p>
<p>722.</p>	<p>723.</p>	<p>724.</p>	<p>725.</p>	<p>726.</p>
<p>727.</p>	<p>728.</p>	<p>729.</p>	<p>730.</p>	<p>731.</p>
<p>732.</p>	<p>733.</p>	<p>734.</p>	<p>735.</p>	<p>736.</p>
<p>737.</p>	<p>738.</p>	<p>739.</p>	<p>740.</p>	<p>741.</p>
<p>742.</p>	<p>743.</p>	<p>744.</p>	<p>745.</p>	<p>746.</p>
<p>747.</p>	<p>748.</p>	<p>749.</p>	<p>750.</p>	<p>751.</p>
<p>752.</p>	<p>753.</p>	<p>754.</p>	<p>755.</p>	<p>756.</p>
<p>757.</p>	<p>758.</p>	<p>759.</p>	<p>760.</p>	<p>761.</p>
<p>762.</p>	<p>763.</p>	<p>764.</p>	<p>765.</p>	<p>766.</p>
<p>767.</p>	<p>768.</p>	<p>769.</p>	<p>770.</p>	<p>771.</p>
<p>772.</p>	<p>773.</p>	<p>774.</p>	<p>775.</p>	<p>776.</p>

>SPEC fp_speed_2017 for the product (must be available on SPEC dot ORG before evaluation)<o:p></o:p></p> </td> <td width="246" valign="top" style="width:184.3pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="margin:0in;margin-bottom:.0001pt;text-align:justify">164<o:p></o:p></p></td> <tr> <td width="240" colspan="2" valign="top" style="width:2.5in;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">Miscellaneous<o:p></o:p></p> </td> <td style="mso-cell-special:placeholder;border:none;border-bottom:solid windowtext 1.0pt" width="346" colspan="2"><p class="MsoNormal"> </p></td> </tr> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">87.<o:p></o:p></p> </td> <td width="287" colspan="2" valign="top" style="width:215.4pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt; mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">Maximum power consumption of the system (Watts)<o:p></o:p></p> </td> <td width="246" valign="top" style="width:184.3pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify"><o:p></o:p></p> </td> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">88.<o:p></o:p></p> </td> <td width="287" colspan="2" valign="top" style="width:215.4pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify"> </p> </td> <td width="246" valign="top" style="width:184.3pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify"> </p> </td> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">89.<o:p></o:p></p> </td> <td width="287" colspan="2" valign="top" style="width:215.4pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">>BIS Registration Number Under CRS of MeitY and its validity<o:p></o:p></p> </td> <td width="246" valign="top" style="width:184.3pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">>Yes<o:p></o:p></p> </td> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">90.<o:p></o:p></p> </td> <td width="287" colspan="2" valign="top" style="width:215.4pt;border-top:none; border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">>Other Certification Available<o:p></o:p></p> </td> <td width="246" valign="top" style="width:184.3pt;border-top:none;border-left: none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt"> <p style="text-align:justify">>UL, CE<o:p></o:p></p> </td> <tr> <td width="53" valign="top" style="width:39.75pt;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid window

text .5pt;padding:0in 5.4pt 0in 5.4pt;height:17.45pt"> <p class="MsoNormal" style="margin-right:-.85pt;text-align:justify">4.</p></td></tr><tr style="mso-yfti-irow:2;mso-yfti-lastrow:yes;height:18.35pt"><td width="50%" valign="top" style="width:50.0%;border:solid windowtext 1.0pt; border-top:none;mso-border-top-alt:solid windowtext .5pt;mso-border-alt:solid windowtext .5pt; padding:0in 5.4pt 0in 5.4pt;height:18.35pt"> <p class="MsoNormal" style="margin-right:-.85pt;text-align:justify">5.</p></td></tr></tbody></table> <p class="MsoNormal" style="margin-right:-.85pt;text-align:justify">6.</p></td></tr></tbody></table> <p class="MsoNormal"> </p> <p class="MsoNormal" style="text-align:justify;text-indent:.5in;mso-layout-grid-align: none;text-autospace:none">I/We accept that in any of the conditions mentioned below during the period of validity,we agree to be suspended for the period of 24 Months (Two Years) from the date of communication from participating in any bid/procurement of NSG. This undertaking is valid for a period of 45 days beyond the final bid validity period for effecting the clause without any reservation and recourse, if:</p></td></tr><tr><td style="width:50%;border-top:none;border-left:none;border-bottom:solid windowtext 1.0pt;border-right:solid windowtext 1.0pt; mso-border-top-alt:solid windowtext .5pt;mso-border-left-alt:solid windowtext .5pt; mso-border-alt:solid windowtext .5pt;padding:0in 5.4pt 0in 5.4pt;height:18.35pt"><p class="MsoNormal" style="margin-top:0in"><ol style="list-style-type: none;" type="i"><li class="MsoNormal" style="text-align:justify;mso-list:l0 level1 lfo2; mso-layout-grid-align:none;text-autospace:none">After submitting the Tender, it is modified w.r.t rates or any of the terms and conditions thereof, except with the previous written consent of the purchaser.<li class="MsoNormal" style="text-align:justify;mso-list:l0 level1 lfo2; mso-layout-grid-align:none;text-autospace:none">Withdraws the said Tender within offer validity as mentioned in this tender.<li class="MsoNormal" style="text-align:justify;mso-list:l0 level1 lfo2; mso-layout-grid-align:none;text-autospace:none">Having not withdrawn the Tender, fails to furnish the contract security deposit imposed for due performance of the contract within the period provided in the General conditions of contract.<li class="MsoNormal" style="text-align:justify;mso-list:l0 level1 lfo2; mso-layout-grid-align:none;text-autospace:none">Fails to present and place their equipment for during technical evaluation of bid & samples before the board of officer as per condition of this tender. <p class="MsoNormal" style="text-align:justify;mso-layout-grid-align:none;text-autospace:none"> </p> <p class="MsoNormal" style="text-align:justify;text-indent:.5in;mso-layout-grid-align: none;text-autospace:none">The undertaking shall remain valid up to 45 days beyond bid validity from M/s on whose behalf this declaration is issued.</p> <p class="MsoNormal" align="center" style="margin-top:0in;margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in; margin-bottom:.0001pt;text-align:center"> </p> <p class="MsoNormal" align="center" style="margin-top:0in; margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in;margin-bottom:.0001pt;text-align:center"> </p> <p class="MsoNormal" align="center" style="margin-top:0in;margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in;margin-bottom:.0001pt;text-align:center"> </p> <p class="MsoNormal" align="center" style="margin-top:0in;margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in;margin-bottom:.0001pt;text-align:center">Yours faithfully</p> <p class="MsoNormal" align="center" style="margin-top:0in;margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in;margin-bottom:.0001pt;text-align:center"> </p> <p class="MsoNormal" align="center" style="margin-top:0in;margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in;margin-bottom:.0001pt;text-align:center"> </p> <p class="MsoNormal" align="center" style="margin-top:0in;margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in;margin-bottom:.0001pt;text-align:center"> </p> <p class="MsoNormal" align="center" style="margin-top:0in;margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in;margin-bottom:.0001pt;text-align:center"> </p> <p class="MsoNormal" align="center" style="margin-top:0in;margin-right:-.85pt; margin-bottom:0in;margin-left:3.5in;margin-bottom:.0001pt;text-align:center"> </p> <table class="MsoNormalTable" border="0" cellspacing="0" cellpadding="0"><tr><td width="352" valign="top" style="width:263.7pt;padding:0in 5.4pt 0in 5.4pt"> <p class="MsoNormal" style="margin-right:-.85pt"><span style="font-size:10.0pt;font-family:&

quot;Arial";"sans-serif"";>SIGNATURE OF ONE WITNESS<o:p></o:p></p>
 <p class="MsoNormal" style="margin-right:-.85pt"><i>Address of Witness</i><o:p></o:p></p> <p class="MsoNormal" style="margin-right:-.85pt"> </p> <p class="MsoNormal" style="margin-right:-.85pt">_____
 <o:p></o:p></p> <p class="MsoNormal" style="margin-right:-.85pt">_____
 </o:p></p> <p class="MsoNormal" style="margin-right:-.85pt"> </p> <p class="MsoNormal" style="margin-right:-.85pt">_____
 </p> </td> <td width="352" valign="top" style="width:263.75pt;padding:0in 5.4pt 0in 5.4pt"> <p class="MsoNormal" align="center" style="margin-right:-.85pt;text-align:center">SIGNATURE OF BIDDER <o:p></o:p></p> <p class="MsoNormal" align="center" style="margin-right:-.85pt;text-align:center"><i>Full name & designation in firm Complete address and contact details Including fax, email and phone/mobile number</i><o:p></o:p></p> </td> </tr> </tbody></table> <p class="MsoNormal" style="margin-right:-.85pt"> </p> </p><p class="MsoNormal"> </p>

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.

All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.

[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---