



## Central Institute of Road Transport

P.B. No. 1897, Bhosari, Pune - 411 026 (India)

[www.cirtindia.com](http://www.cirtindia.com)

### Sealed Quotations are invited for supply, installation and commissioning of Server for BNCAP

- Last Date of Submission of Quotation: 14 / 09 / 2023, 1100 hrs.
- Quotations will be opened on 14 / 09 / 2023 at 1500 hrs.

ANNEXURE 'A'

#### (A) TECHNICAL SPECIFICATION FOR SERVER

##### 1.0 SCOPE:

1.1 To supply, install and commission Server for BNCAP.

#### BNCAP Server Technical Specifications

- A) Bidders must certify that the item for which they are bidding will comply to the configuration with the installation information provided.
- B) The below technical compliance Sheet must be completed and submitted with your offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark "Yes" Or "NO".
- C) Generalise response like "As per quoted specification/ Technical leaflet", "Noted" and "accepted" or in any similar fashion is not acceptable.
- D) In case, CIRT finds any deviation which is not declared by the supplier, CIRT reserves the right to seek clarification

#### 1) Supply – SERVER

Sr. No.	Server Minimum Specification		Compliance (Yes/No)
1.	Make		
2.	Model		

Sr. No.	Server Minimum Specification		Compliance (Yes/No)
3.	Processor	<p>Intel Xeon Silver 4210R 2.4G, 10C/20T, 9.6GT/s, 13.75M Cache, Turbo, HT (100W), Scalable Family, Intel® Turbo Boost technology, Between 85W-105W TDP, 1TB/socket memory capacity on all standard 2nd generation processors, 14nm process Technology, Rebalanced Cache Hierarchy: 1.375MB Last level Cache/core, 2S, 4S, 8S scalable (note: 4xxx (Silver) &amp; 3xxx (Bronze), Support for Intel AVX-512, Intel® Ultra Path Interconnect (UPI) with bandwidth up to 10.4GT/s, 6 Channels DDR4 per CU RDIMM, LRDIMM, 2133, 2400, 2666 speeds at 2 DIMMs per Channel; no 3 Dimms per channel support, MPX (Memory Protection Extensions) support, PCI Express 3.0 (2.5, 5.0, 8.0 GT/s), Separate Reference with Independent Spread Spectrum Clocking (SRIS), MCTP Scaling, Per Core P-State (PCPS), Uncore Frequency Scaling (UFS), Energy Efficient Turbo (EET).</p>	
4.	Chipset	<p>Intel C620 ACPI Power Management Logic Support, Revision 4.0a, PCI Express* Base Specification Revision 3.0, Integrated Serial ATA host controller, supports data transfer rates of up to 6 Gb/s on all ports, xHCI USB controller with SuperSpeed USB 3.0 ports, Direct Media Interface, Serial Peripheral Interface, Enhanced Serial Peripheral Interface, Flexible I/O-Allows some high-speed I/O signals to be configured as PCIe* root ports, PCIe* uplink for use with certain PCH SKUs, SATA (and sSATA), or USB 3.0, General Purpose Input Output (GPIO), Low Pin Count interface, interrupt controller, and timer functions, System Management Bus Specification, Version 2.0, Integrated Clock Controller/Real-Time Clock Controller, Intel® High Definition Audio and Intel® Smart Sound Technology, Integrated 10/1 Gb Ethernet, Integrated 10/100/1000 Mbps Ethernet MAC, Supports Intel® Rapid Storage Technology Enterprise, Supports Intel® Active Management Technology and Server Platform Services, Supports Intel® Virtualization Technology for Directed I/O, Supports Intel® Trusted Execution Technology, JTAG Boundary Scan support, Intel® Trace Hub for debug.</p>	
5.	Memory	<p>Up to 16x DDR4 RDIMMs (10+6), Register=yes, Buffer=no, Frequencies- Up to 2666 MT/s, Ranks supported- Single or dual rank, Capacity per DIMM-4 GB, 8 GB, 16 GB or 32 GB, Maximum DIMMs per channel-2, DRAM technology- x4 or x8, Temperature sensor-Yes, Error Correction Code (ECC)- Yes, Single Device Disable Code (SDDC)- Yes, Address parity-</p>	

Sr. No.	Server Minimum Specification		Compliance (Yes/No)
		Yes. RAM DDR4-2400 64GB RDIMM 16X4	
6.	Storage	Front: 8 x 3.5 -inch Hot Plug Hard Drives Internal: IDSDM + vFlash or BOSS (2 internal M.2) Bandwidth: 12 Gb SAS/6 Gb SATA 3 x 1.2TB 10K RPM SAS 12Gbps 512n 2.5 in Hot-plug Hard Drive with RAID 5 3 x 4TB Hard Drive NLSAS 12Gbps 7K 512n 3.5 in Hot-Plug. CUS Kit / RAID In Built with RAID 5	
7.	PCIe slots	Up to 5 X PCIe Gen3	
8.	GPU support	1x DW 300 W GPU supported 150 W	
9.	Storage Controller	Software RAID: S140 Internal controllers: PERC H750 Adapter, Full Height, 8GB Cache External controllers: HBA355e, H840, 12 Gb/s Ext SAS HBA SAS Hot Bus Adapters: HBA350i, HBA 330	
10.	Embedded NIC	2x 1 GbE (LOM : BCM5720)	
11.	Power Supplies	Supports two hot-swappable AC power supplies with 1 + 1 redundancy, auto sensing and auto-switching capability. 495 W AC Platinum	
12.	Remote Management	iDRAC9	
13.	TPM	TPM China, TPM1.2, TPM2.0	
14.	iDRAC port	Dedicated port (RJ45)	
15.	Fan	Up to two fans supported ● Internal Fan (1X4 type) ● External Fan (1X5 type)	
16.	Standard rear ports	● 2 x RJ45 1GE LAN ports ● Rear system ID button ● iDRAC Enterprise Port (RJ45 port) ● Six USBs (4XUSB2.0 ; 2XUSB3.0)	
17.	PERC	PCIe PERC 9 or PERC 10 or PERC 11	
18.	Security features		
19.	Cover latch	A tooled latch is integrated in the top cover to secure it to the system.	
20.	Bezel	A standard bezel is an optional metal bezel mounted to the chassis front. A lock on the bezel protects unauthorized	

Sr. No.	Server Minimum Specification		Compliance (Yes/No)
		access to hard drives.	
21.	TPM	The Trusted Platform Module (TPM) is used to generate/store keys, protect/authenticate passwords, and create/store digital certificates.	
22.	Power-off security	BIOS has the ability to disable the power button function.	
23.	Operating temperature de-rating specifications		
24.	40°C to 45°C (104°F to 113°F)	Maximum temperature is reduced by 1°C/125 m (1°F/228 ft) above 950 m (3,117 ft).	
25.	Continuous operation (for altitude less than 950m)	10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment	
26.	Video specifications	1024 x 768 60Hz to 1920 x 1200 60 Hz	
27.	Warranty	3YR + 2YR (Total 5YR) ProSupport 4Hr Mission Critical	

## 2) Installation, testing, commissioning - SERVER

Sr. No.	Description	Compliance (Yes/no)
1.	Server hardware installation and mounting, Server hardware RAID configuration, Logical drive creation (RAID Level), Server firmware update, Power on Test, Win Server installation and configuration (Standalone or Member Server), Server Disk partitioning, LAN configuration (IP Address configuration), Apply latest OS security & service patches, Drivers update, Basic installation test (Ping, re-start, shutdown testes), Data migration , File server role setup, Print server role setup, Domain member server setup, Install & configure Domain controller role, Install & configure DNS & DHCP role, Define DHCP scope, User creation accounts, Backup installation, Install & configure BE / CA, Configure media server, Storage device configuration or installation if required, Configure backup queue, Configure backup schedule, Remote agent setup, Installation and support of third party application software.	

3) Supply - MS Windows server STD 2019 with Microsoft Windows Server CAL 5

Sr. No.	Hardware Specification	Compliance (Yes/ No)
1.	Windows Server 2019 Standard with Client Access Licenses (CAL)	

4) Installation, testing, commissioning - MS Windows server STD 2019 with Microsoft Windows Server CAL 5

Sr. No.	Description	Compliance (Yes/No)
1.	Installation, testing, commissioning of Windows Server 2019 Standard & Client Access Licenses (CAL)	

**B) Pricing:**

**Price quoted** shall be on the basis of “**Door Delivery**” at **CIRT Bhosari, Pune-411026** F.O.R. destination. All incidental charges such as packing, forwarding, freight and transit insurance charges shall be borne by successful supplier.

Price shall be quoted in INR only. If there is a discrepancy between words and figures, the amount in words shall prevail. **The below format may be used to quote for commercial bid on company letter head.**

Price Schedule							
Sr. No.	Test Equipment	Qty.	Rate in INR	Amt. in INR Excl. of Taxes	Add Tax %	Tax Amount	Total Amt. with Tax
1.0	<b>Supply of Server</b> meeting the requirements as specified in the Technical Specification	1		0		0	0
2.0	<b>Installation &amp; Commissioning of Server</b>						
3.0	Other charges if any						
4.0	<b>Total of Price Schedule including Taxes</b>						<b>0</b>
5.0	Total in Words						

**C) SUPPLIER INFORMATION SHEET to be submitted On Letter Head**

1	<b>Name &amp; Full Address of the firm</b> (If there is a separate address for manufacturing unit/salesoffice/ go down, please mention specifically)	
2	Telephone/Telex/Fax/E-Mail/mobile number	
3	Name of contact person[s]/Representative Telephone/ Fax/ e-mail/mobile number	
4	Whether your firm is registered under Shop Act/ SSI Unit/ Other categories[specify and attach relevant documents]	
5	<b>Product/Supply Range</b> [Please specify brand/make dealt by your firm] Technical literature/brochures/leaflets are to be attached for technical product. Pl. attach separate sheet, if space provided is insufficient.	
6	<b>Reputed clients' list of your firm:</b> [preferably in and around Pune & Maharashtra, if you are a local vendor]	[Pl. enclose separate sheet]
7	<b>Number of Servers Sold in last three years</b>	
8	<b>Purchase order ; installation report (Please provide copies of the documents for the Server)</b>	
9	<b>Bank details</b>	
	Name of the Beneficiary & Address	
	Name of Bank & Address	
	Account No.	
	Branch Code	
	IFSC Code	
	MICR Code	
	SWIFT Code / Routing No.	
10	<b>GST IN No.</b>	
11	<b>HSN Code</b>	
Seal Date:		(Signature of Authorised Person)
		<b>Name</b>
		<b>Designation</b>

E) CIRT, Pune may, at its discretion, may extend the deadline for the submission of quotation by amending the terms and conditions, in which case all rights and obligations of CIRT, Pune.

F) Late / delayed and incomplete quotation will be rejected. CIRT shall not be responsible for any delays in transit or otherwise due to postal and/or any other reason.

G) Warranty: The offered equipment/ item/material/spares/ computers/software/ utilities shall strictly conform to the specifications & must be guaranteed for satisfactory performance & against manufacturing and other defects at least for a minimum period of 1 year (Comprehensive) including preventive and breakdown maintenance from the date of commissioning of test equipment/ item /material / spares /computers/software at CIRT. During the warranty period the successful supplier shall carry out the maintenance of the equipment free of cost.

H) Free replacement of defective spares/rectification of any defective components of the item during warranty period should be arranged ON FREE OF COST on DOOR DELIVERY BASIS and installation thereof. All expenditure for door delivery such as freight, insurance, taxes, any other duties, customs duty & clearance charges (in the cases of imported items ) towards replacement shall be borne by the successful supplier.

Service call charges including all incidental charges, will not be applicable for the services provided by supplier during the warranty period.

I) Pre-Dispatch Inspection of the equipment shall be carried out by CIRT personnel and the expenditure towards the same shall be borne by the suppliers.

J) Delivery – Server shall be supplied to CIRT within a period of 15-20 days from the date of acceptance of P. O. The server and its allied systems, sub- systems, computers, software's, other accessories as applicable shall be delivered to CIRT on DOOR DELIVERY basis at F.O.B. prices, without any additional cost to CIRT. All Incidental Charges shall be borne by successful supplier.

K) The supplier shall provide suitable packing of the Server, as is required to prevent their damage without limitation, rough handling during transit. In case the consignment is received with damaged packaging, the CIRT, Pune would not accept the delivery. The Server shall be secured and protected from mechanical damage, moisture etc., suitable for both storage and transit according to the nature of the material and mode of transport. The supplier shall be responsible for any loss/ damage during transportation to the designated location.

L) ACCEPTANCE OF ORDER: Acceptance / non-acceptance of the subject purchase order shall be sent to this Institute within 7 days from the date of this order.

M) All documents such as Guarantee / Warranty Certificates, , Instruction Manual etc. (Wherever applicable) should be submitted along with the delivery documents.

N) Customer/Product support service (Wherever applicable) should be made available at least for a minimum period of 5 years after warranty period.

O) i) The Director, C.I.R.T. reserves the right to reject any or all the quotation or partially accept or reject any or all the quotations without assigning any reasons.

ii) The Director, CIRT reserves the right to reject any or all quotations in case the

suppliers have put in their own terms & conditions.

iii) The Director, CIRT reserves the right to accept or reject any quotation, and to cancel the process and reject all quotations at any time prior to placing purchase order/ contract award, without thereby incurring any liability to Suppliers.

iv) In case of any dispute, on any account related to the said procedure & or any activity related thereto, the Director, CIRT's decision will be final and binding on the suppliers.

P) Arbitration, Legal formalities :- Any dispute arising during the contract period and the procedure pertaining to administration or financial or technical issues shall be referred to the Technical Advisory Committee headed by the Director, CIRT to resolve the issues. The decision of Director, CIRT will be final in this regard.

Q) All disputes of any nature are subject to Pune (India) jurisdiction only.

I hereby accept all the terms & conditions of the quotation.

NAME -----

Designation-----

Authorised signatory with seal