

FINAL CONSOLIDATED CLARIFICATIONS IN TENDER No. NITRR/CENTRAL STORE/CCC/OT/2017/488 DATED 01/06/2017

LAST DATE AND TIME FOR SUBMISSION OF BIDS HAS BEEN EXTENDED UPTO 14th JULY 2017 UPTO 3:00 P.M.

LAST DATE AND TIME FOR OPENING OF TECHNO-COMMERCIAL BID PART – A HAS BEEN EXTENDED UPTO 14th JULY 2017 AT 3:30 P.M.

REVISED PAYMENT TERMS

Under this project, on account payment for supply of equipment / materials and / or services, indicated in the work order, subject to recoveries, if any, shall be made for consignments as given below

Eighty percent (80%) of the value of equipment / materials supplied in each consignment and / or services, shall be paid on completion of the following

- a. On receipt of equipment / materials and / or completion of associated services at the site.
- b. Original Inspection certificate issued by CCC, NIT Raipur.

Note for issue of Inspection Certificate of Active Devices: A random sample of the active devices including servers, storage, interconnect switches, desktops etc. shall be Power-On Self-Tested i.e., POST tested for payment recommendation during supply. However, if any active device is found dead on arrival or not working at any stage till issue of the final acceptance certificate from NIT Raipur, it will have to be **replaced at no additional cost to the Institute** by the successful bidder.

- c. Delivery Challan / **Invoice in running bill format** (to be submitted in triplicate) clearly mentioning the **quantities indicated in the work order**, (properly incorporating any **subsequent change in quantities** due to the variation in quantities clause which must have the due approval of the CCC, NIT Raipur), **the quantities delivered**, the **quantities remaining to be delivered**, etc. duly accepted and forwarded with payment recommendation by CCC, NIT Raipur to the Accounts Section, NIT Raipur

Note for Service Payment Recommendation:

For service payments against line items whose quantities have been mentioned as LOT in the price schedule / work order, the bidders are advised in their own interest to provide a supplementary sheet along with the price bid, indicating the break-up of that line item, unit cost of installation etc. to enable intermediate payments. If the successful bidder has not provided this information, the payment against such service line items can only be made after the entire LOT is installed.

- d. A certificate from the System Integrator that the materials supplied are as per the contract and the amount claimed in the invoice is correct as per terms of the contract.
- e. The on account payments made will subsequently be adjusted against payments due on Final Acceptance.

Balance Twenty Percent (20%) of the value of equipment / material supplied and/or services, if any, of all the consignments shall be paid after the successful completion of the project including installation & commissioning of all equipment / materials at various locations, completion of all measurements and testing, and issue of "Final Acceptance Certificate" on satisfaction of CCC, NIT Raipur. By the time of issue of the Final Acceptance Certificate all project requirements must have been met **including but not limited to** successful demonstration of running of the HPC facility and training to technical personnel to the satisfaction of CCC, NIT Raipur for **at least ten days**. The balance payment recommendation shall be forwarded by CCC, NIT Raipur to Accounts Section, NIT Raipur.

The performance bank guarantee shall be released only on successful completion of warranty requirements under the project. The successful bidder shall be required to submit the differential amount of PBG arising from any changes in initial work order value on account of the variation in quantities clause prior to the release of final payment.

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The duration between payment recommendation and payment realization is ordinarily not expected to exceed 15 days; the bills should therefore be put up for payment recommendation to CCC at least 15 days in advance to give sufficient time for measurements, verification, testing, if any, etc.

REGARDING BANK GUARANTEE FOR EMD

In Annexure 2, on Pg. 52, please read

“Our liability under this Bank Guarantee shall not exceed Rs 10,00,000/-(Rupees Ten lacs only)” as

“Our liability under this Bank Guarantee shall not exceed Rs 14,00,000/-(Rupees Fourteen lacs only)”

REGARDING VALUE OF PERFORMANCE BANK GUARANTEE

It is clarified that the performance bank guarantee is 5% of the contract sum.

In Form 2, on Pg. No. 39, please read

“If our Bid is accepted, we will furnish the performance guarantee of a Nationalised Bank for a sum not exceeding 10 percent, of the contract sum.” as

“If our Bid is accepted, we will furnish the performance guarantee of a Scheduled Bank for a sum of 5 percent, of the contract sum.”

SCHEDULED BANKS ACCEPTABLE

Bidders may note that they can submit the EMDs, Bid Security, Performance bank Guarantees etc. of any scheduled bank and nationalized bank is **not** mandatory.

INSTITUTE BANK DETAILS

Bank details of NIT Raipur are given for preparing BGs, if required

Bank Name:	State Bank of India
Bank Branch:	G.C.E.T. Branch
Bank Address:	G.E. Road, Raipur. (C.G.) Pin - 492010.
City:	Raipur (C.G.)
Country:	India
Account No:	30054181310
Account Name:	Director NIT Raipur
Bank Branch Code:	02852
IFSC Code:	SBIN0002852
Swift Code:	SBININBB646
Phone No. of Branch:	0771- 4040791/795

CHAPTER II, Section 3, Page 12: ELIGIBILITY CRITERIA

HPC NODE MANUFACTURER'S CRITERIA

S. No.	Manufacturer's Criteria	Compliance (Yes/No) Provide duly attested copies of necessary documents in support
1	(a) The hardware manufacturer should have their direct sales & support in India for the last 10 years.	

	(b) The hardware manufacturer should have a registered office in India for at least 10 years. It shall have its own field services operation for at least 10 years. (c) Support for the proposed hardware systems will be directly provided by the hardware manufacturer. Manufacturer must have a spares hub and manufacturer's own service center in India and the support services will have to be managed by them. Proof of the same has to be furnished with the bid.	
2	Manufacturer should have minimum 2 installations within the top 50 or at least 20 installations within the top 500 of the Top500 June 2017 list. Proof of the same has to be furnished with the bid.	
3	All the server nodes, storage nodes, high-end compute nodes should be from the same Manufacturer	

Note that the manufacturer's criteria mentioned in the table above does not apply to the manufacturers of desktop systems

TECHNICAL CHANGES

- The technical specifications set out in this tender document are **minimum technical specifications**. There is no restriction on the bidders from quoting a higher or latest model than those mentioned in the specifications.
- All product compliances have to be supported by product datasheets.
- Bids without Manufacturer's Authorization Form (Form 3) to quote in this tender shall not be considered.
- HPC shall be configured and set up in accordance with the requirements set out by NIT Raipur during the initial meetings with the successful bidder after award of work.
- Deviations, if any, need to be mentioned in Form 6 and Annexure 1. If a deviation is detected from the product data sheets but not mentioned, the bid shall be rejected for providing misleading / false information.
- Decision of CCC, NIT Raipur in respect of bids with deviations shall be final and binding on all bidders.
- If any additional item is required to complete the work, specify the same clearly in

5	Other Charges (if any), please specify in brief
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in the Overall Quote. If something was required to make the facility functional but was overlooked and not mentioned by the bidder, the bidder shall have to supply the same at no additional cost to the Institute. Clearly mention unit prices of cables, industrial sockets etc. in the supplementary sheets to be submitted along with the price bid so that payments can be made as per actual measurements and quantities, and there is no ambiguity.

CHAPTER IV, Section1, Page 30 - 33: PFS I/O Node & PFS Storage – Earlier specification & quantity stands amended, please refer below table for revised quantity & specification.

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Revised Technical Specification of PFS I/O Node & PFS Storage:

Sl. No.	Component	PFS I/O Node - Quantity 4 or higher	Compliance Y/N
1	Processor	2 x Intel® Xeon® Processor E5-2620 v4 or higher	
2	On System Management Chipset	Remote management controller with dedicated 1 Gbps port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring & power control consumption with power consumption history for at least 1 year should be available • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Drivers & firmwares should be available for free till the complete life of the server	
3	Memory	2 x 32 GB DDR4 2400 MHz registered ECC memory with 24 DIMM slots	
4	Expansion Slots	2 x PCIe Gen 3.0 x8 (mechanical & electrical), 2 x PCIe Gen 3.0 x16 (mechanical & electrical); all slots must be an integral to the motherboard, 5 x USB 3.0 (at least 2 in front & 2 in back)	
5	RAID Controller	Support for flexible array controller with supported RAID levels 0, 1 for SATA, SAS HDD & SSD	
6	Internal Storage Devices	Internal 8x supermultiDVD-RW drive Minimum 8 hot-plug HDD bays populated with 1 x 2 TB hot-plug 7.2K rpm 512n enterprise SATA HDD	
7	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port, 2 x 16 Gbps FC ports	
8	Form Factor	1U rack-mount with rail kit	
9	Power Supply & Fans	2 x 460W (maximum) 80 PLUS Platinum hot-plug power supplies with redundant hot-plug fans to provide adequate sustained cooling at a temperature of 40°C	
10	Operating & File Systems	Open source Linux distribution & Open source parallel file system	
11	Compliance	CE, CSA, FCC / NMB Class A, ASHRAE Class A3, RoHS	
12	Warranty	3 years OEM ONSITE NBD resolution warranty	
Sl. No.	Component	PFS Storage - Quantity 1 or higher	Compliance Y/N
1	Performance Criteria	The PFS system shall have a sustained write performance of 5 Gbps or more. The same has to be demonstrated using filesystem benchmark tools like IOzone etc.	
2	Storage Capacity	The PFS system shall have a minimum useable capacity of 100 TB for object storage using maximum 1 TB drives. An additional 5% or higher useable capacity should be provided for metadata storage. There should be global hot-spares to minimize downtimes.	
3	Storage Controller	The underlying storage hardware must have dual active-active controllers with automatic failover capabilities to minimize downtime. Only the models manufactured (and not rebranded) by the server OEM shall be accepted.	
4	Storage Performance	The underlying storage hardware must have a published SPC-1 IOPS™ of 300000 or more. The report should be available for download from Storage Performance Council website at any given	

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		point in time.	
5	Storage Cache	The underlying storage hardware must have a minimum total cache of 32 GB or higher protected by suitable battery / flash / super-capacitor based technology	
6	Storage Protocols	The underlying storage hardware must natively support protocols like FC, NFS v4, iSCSI, SAS etc. with suitable 16 Gbps or higher ports to connect to the IO nodes.	
7	Storage Redundancy	The underlying storage hardware must support full redundant & hot swappable components with non-disruptive microcode updates and parts replacement.	
8	Rack Mountable	The underlying storage shall be rack mountable within a single rack	
9	Compliance	CE, CSA, FCC / NMB Class A, RoHS	
10	Warranty	3 years OEM ONSITE NBD resolution warranty	

CHAPTER IV, Section 1, Page 26: Dense Rack - Quantity 1 – Quantity modified to 2.

CHAPTER IV, Section1, Page 27: NVIDIA® Tesla® Compute Node – Quantity modified to 4.

CHAPTER IV, Section1, Page 27: NVIDIA® Tesla® Compute Node – Serial No. 8: GPU Accelerator clause modified as “2 x NVIDIA® Tesla® P100 12GB”

CHAPTER IV, Section1, Page 25 – 26: Dense Rack & Intel® Xeon® Phi™ Compute Node – Earlier specification stands amended, please refer below table for revised set of quantities& specification.

Revised Technical Specification of Xeon Phi Nodes:

Sl. No.	Component	Dense Rack - Quantity 1	Compliance Y/N
1	Form Factor	2U rack-mount with rail kit, should support upto 8 nos. of 64-bit server nodes	
2	Power Supply	4 x 1200W (minimum) 80 PLUS Platinum hot-plug power supplies with minimum 5 redundant fans, should be able to cater to a fully populated chassis of highest configuration	
3	Warranty	3 years OEM ONSITE NBD resolution warranty	
Sl. No.	Component	Xeon® Phi™ Compute Node - Quantity 2	Compliance Y/N
4	Processor	1 x Intel® Xeon Phi™ Processor 7210 or higher	
5	On System Management Chipset	Remote management controller with dedicated 1 Gbps port with remote media & video redirection feature. OEM server hardware management tool with the following features • Should support unattended, local & remote installation & RESTful API integration • Event management, threshold management, asset management & performance management. • Prefailures with analysis, automatic system recovery & restart. • Monitoring & power control consumption with power consumption history for at least 1 year should be available • Update management (BIOS & firmware), online diagnostics • Single sign-on & RBAC should be provided • Drivers & firmwares should be available for free till the complete life of the server	
6	Memory	4 x 32 GB DDR4 2400 MHz registered ECC memory with 6 DIMM slots	
7	Expansion Slots	1 x PCIe Gen 3.0 x16 (mechanical & electrical), 2 x USB 3.0	

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8	Internal Storage Devices	1 x 960 GB enterprise SSD with minimum 3 drive writes per day for 5 years	
9	Network Controller	2 x 1 Gbps ethernet ports, 1 x 100 Gbps port	
10	Operating System	Open source Linux distribution	
11	Compliance	CE, CSA, FCC / NMB Class A, ASHRAE Class A3, RoHS	
12	Warranty	3 years OEM ONSITE NBD resolution warranty	

CHAPTER IV, Section1, Page 23 – 24: Master Node – Serial No. 4: Expansion Slots clause modified as “2 x PCIe Gen 3.0 x8 (mechanical & electrical), 2 x PCIe Gen 3.0 x16 (mechanical & electrical); all slots must be integral to the motherboard, 5 x USB 3.0 (at least 2 in front & 2 in back)”

CHAPTER IV, Section 1, Page 23 – 24: Master Node – Serial No. 9: Power Supply & Fans clause modified as “2 x 460W (maximum) 80 PLUS Platinum hot-plug power supplies with redundant hot-plug fans to provide adequate sustained cooling at a temperature of 40°C”

CHAPTER IV, Section 1, Page 24 – 25: Compute Node – Quantity modified to **48**.

CHAPTER IV, Section1, Page 24 – 25: Compute Node – Serial No. 4: Expansion Slots clause modified as “2 x PCIe Gen 3.0 x8 (mechanical & electrical), 2 x PCIe Gen 3.0 x16 (mechanical & electrical); all slots must be integral to the motherboard, 5 x USB 3.0 (at least 2 in front & 2 in back)”

CHAPTER IV, Section 1, Page 24 – 25: Compute Node – Serial No. 9: Power Supply & Fans clause modified as “2 x 460W (maximum) 80 PLUS Platinum hot-plug power supplies with redundant hot-plug fans to provide adequate sustained cooling at a temperature of 40°C”

CHAPTER IV, Section1, Page 29 – 30: Visualization Node – Serial No. 4: Expansion Slots clause modified as “3 x PCIe Gen 3.0 x8 (mechanical & electrical), 3 x PCIe Gen 3.0x16 (mechanical & electrical); all slots must be integral to the motherboard, 5 x USB 3.0 (at least 2 in front & 2 in back)”

CHAPTER IV, Section 1, Page 29 – 30: Visualization Node – Serial No. 10: Power Supply & Fans clause modified as “2 x 800W (maximum) 80 PLUS Platinum hot-plug power supplies with redundant hot-plug fans to provide adequate sustained cooling at a temperature of 40°C”

CHAPTER IV, Section1, Page 28 – 29: Nallatech Node – Serial No. 9: Power Supply & Fans clause modified as “1 x 800W (maximum) 80 PLUS Platinum hot-plug power supply with fans to provide adequate sustained cooling at a temperature of 40°C”

CHAPTER IV, Section1, Page 33: HPC Interconnect – Serial No. 1: 100 Gbps ports clause modified as “48 ports with suitable cables (Solution should be spread across 5 racks). In case 48-port switch is not available, then 2 or more switches must be aggregated to behave as one logical switch”

CHAPTER IV, Section 1, Page 33 – 34: Development Environment– Serial No. 10 & 11: **Clause stands deleted.**

CHAPTER IV, Section 2, Page 34: Client Access Systems – Serial No. 1: Processor clause modified as “AMD A8 7600 or 7th Generation Intel Desktop Core I-Series Processor with Quad-Cores, base frequency of 3.1 GHz and max turbo frequency of (minimum) 3.8 GHz having 4 MB Cache”

CHAPTER IV, Section 2, Page 34: Client Access Systems – Serial No. 2: Motherboard clause modified as “AMD A78 / Intel H270 or equivalent or better”

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CHAPTER IV, Section 2, Page 34: Client Access Systems – Serial No. 7: Power Supply clause modified as "Minimum 250W or higher capacity SMPS"

CHAPTER IV, Section 2, Page 34: Client Access Systems – Serial No. 14: Audio clause modified as "Minimum 5.1 channel HD audio codec, should support 24-bit S/PDIF output function with a sampling rate of up to 96kHz."

ADDITIONAL ITEMS

Section II: Server Room Infrastructure Components 1. 42 U SERVER RACK SPECIFICATIONS

Sl. No	Specification	Compliance Yes/No	Deviations, if any	Remarks
1	Made of steel sheet punched, formed, welded and powder coated			
2	Manufacturer must be ISO 14001 Certified & UL Listed			
3	Welded frame with side panel and vented top cover			
4	Perforated Metallic Front Door and Rear Metal Door			
5	Provision for Floor Mounting			
6	Rack 42U (1U = 44.45 mm) in Height.			
7	600MM Wide & 800MM Deep			
8	Conforms to DIN 41494 or Equivalent EIA /ISO / EN/CEA Standard			
9	Adjustable mounting depth			
10	Rack 4 No Adjustable, 19" verticals with Punched 10mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern			
11	Numbered U positions			
12	100% assured compatibility with all equipment conforming to DIN 41494			
13	Powder coated finish with seven Tanks pre-treatment process meeting IS			
14	Proper Grounding & Bonding Provision			
15	One number heavy duty Full tray			
16	Should have Fan module Mount Provision on top Cover with 4 Fan Housing unit			
17	Should have 2 Nos. 1Ph, 230V, 32A, Zero U standard Vertical rack mount power distribution unit with 12 X Indian Round Pin 5/15A, (Inlet Plug Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits- PDU Rating 7.3KVA			
18	Should have 2 Nos. Horizontal & Vertical Cable Organizer with Plastic Loops.			
19	Provision for cable entry - exit from Both top & Bottom.			

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20	Should have 1 Packet of mounting hardware, Pack of 20.			
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Section II: Server Room Infrastructure Components 2. AIR CONDITIONER FOR HPC SERVER ROOM

S. No.	Parameters	Compliance (Y/N)	Remarks, if Any
1.	Performance Parameters		
(a)	Nominal Capacity min 15.8 kW or higher		
(b)	Cooling Capacity min 54000 (BTU/Hour)		
(c)	Power Input < 4800 Watt		
(d)	EER 11.25 (BTU Per Hour/Watt) or higher		
(e)	Moisture Removal of at least 4 Litres / Hour		
(f)	Minimum Air Flow Volume 1062/885 (CFM) (H/L)		
(g)	Maximum Noise Level Indoor 54/51 (H/L) in dB		
2.	Features		
(a)	Cooling Modes : (Auto/Cool/Fan/Dry), No Heat		
(b)	Should have Timer On/Off		
(c)	Should have Manual Horizontal Louver and Motorised Vertical Louver		
(d)	Should have Air Flow Direction Control		
(e)	Should have Auto Restart Function		
(f)	Should have Fan Modes Auto /High/ Low		
(g)	Should have Anti Freeze Thermostat and self diagnosis features		
(h)	Should preferably have LCD Display in IDU		
(i)	Should have Catechin Filter/Dust Filter Configuration		
(j)	Should have Hydrophilic Evaporator Fins & Corrosion Resistant Condensor Fins		
3.	Dimensions, Weight & Input Power Supply		
(a)	Maximum IDU Dimension : 550 X 1800 X 400 (WxHxD) mm		
(b)	Indoor Unit Power 230/1/50 (V/Ph/Hz)		
(c)	Maximum Weight of IDU 60kg		
(d)	Maximum ODU Dimension 1050 x 960 x 430 (WxHxD) mm		
(e)	Outdoor Unit power 415/3/50 (V/Ph/Hz) Current in each phase should not exceed 10A		
(f)	Max weight of ODU 100kg		
4.	Compressor		

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(a)	Should have Scroll type Compressor		
(b)	1 Year of Compressor Warranty		
5.	Refrigerant & Ambient Operations		
(a)	Should use R22 Refrigerant or better		
(b)	Max Ambient Temp of 46°C		
6.	Remote		
(a)	Should have LCD Remote		

REVISED CHAPTER – III: SCHEDULE OF REQUIREMENTS

(Including Scope of Work)

S. No.	Description	Qty	UoM
Section I: Computational Systems [Part A: HPC for Data Centre]			
1	Master node, as per mentioned technical specifications	1	Nos
2	Compute node, as per mentioned technical specifications	48	Nos
3	Xeon Phi Node, as per mentioned technical specifications	1 Dense Rack + 2 Accelerators	Nos
4	Tesla P100 12GB Node, as per mentioned technical specifications	2 Dense Racks + 4 Accelerators	Nos
5	Nallatech Node, as per mentioned technical specifications	2	Nos
6	Visualization Node, as per mentioned technical specifications	2	Nos
7	PFS I/O Node, as per mentioned technical specifications	Minimum 4	Nos
8	PFS Storage, as per mentioned technical specifications	Minimum 1	Nos
9	HPC Interconnect Switches, as per mentioned technical specifications	5	Nos
Section I: Computational Systems [Part B: Client Access Systems for Computer Centre]			
1	Desktop PCs as per mentioned technical specifications	365	Nos
Section II: Server Room Infrastructure Components (for HPC)			
1	Server Rack as per mentioned technical specifications	5	Nos
2	Air Conditioner as per mentioned technical specifications	4	Nos
Section III: Service Components			
1	Installation of Server Racks including provisioning of Electrical Distribution Board, Industrial Sockets and Cabling as per site requirement in accordance with server room standards	1	Lot
2	Installation of Air Conditioners including provisioning of Electrical Distribution Board, Industrial Sockets and Cabling as per site requirement in accordance with server room standards	1	Lot
3	Installation, Testing, Commissioning & Integration of HPC	1	Lot
4	HPC Configuration Documentation	1	Lot
5	Basic Training on HPC & Storage Administration (2-days)	1	Lot
6	Installation Testing of Desktop PCs	1	Lot

SCOPE OF WORK

The bidder has to supply, install, configure, integrate, test and commission the HPC system (Section I, Part A), supply Desktop PCs (Section I, Part B), Physical Infrastructure Components (Section II) in accordance with the technical specifications mentioned in this document. Other accessories like Ethernet switches etc. shall be provided by the Institute.

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REVISED CHAPTER 5: PRICE SCHEDULE

(TO BE UTILISED BY THE BIDDERS FOR QUOTING THEIR PRICES)

SECTION A: FORMAT FOR SUBMISSION OF PRICE BID

S. No.	Description	Qty	UoM	GST	Other Duties / Taxes, if any	Unit Price including Taxes	Total Price
SECTION I: COMPUTATIONAL SYSTEMS [PART A: HPC for Data Centre]							
1	Master node, as per mentioned technical specifications	1	Nos				
2	Compute node, as per mentioned technical specifications	48	Nos				
3	Xeon Phi Node, as per mentioned technical specifications	1 Dense Rack + 2 Accelerators	Nos				
4	Tesla P100 12GB Node, as per mentioned technical specifications	2 Dense Racks + 4 Accelerators	Nos				
5	Nallatech Node, as per mentioned technical specifications	2	Nos				
6	Visualization Node, as per mentioned technical specifications	2	Nos				
7	PFS I/O Node, as per mentioned technical specifications	Minimum 4	Nos				
8	PFS Storage, as per mentioned technical specifications	Minimum 1	Nos				
9	HPC Interconnect Switches, as per mentioned technical specifications	5	Nos				
SECTION I: COMPUTATIONAL SYSTEMS [PART B: Client Access Systems for Computer Centre]							
1	Desktop PCs as per mentioned technical specifications	365	Nos				
Section II: Server Room Infrastructure Components (for HPC)							
1	Server Rack as per mentioned technical specifications	5	Nos				
2	Air Conditioner as per mentioned technical specifications	4	Nos				
Section III: Service Components							
1	Installation of Server Racks including provisioning of Electrical Distribution Board, Industrial Sockets and Cabling as per site requirement in accordance with server room standards	1	Lot				
2	Installation of Air Conditioners including provisioning of Electrical Distribution Board, Industrial Sockets and Cabling as per site requirement in accordance with server room standards	1	Lot				
3	Installation, Testing, Commissioning & Integration of HPC	1	Lot				
4	HPC Configuration Documentation	1	Lot				
5	Basic Training on HPC & Storage Administration (2-days)	1	Lot				
6	Installation Testing of Desktop PCs	1	Lot				

OVERALL QUOTE FOR THE QUANTITIES OF THE ACTIVE, PASSIVE & SERVICE COMPONENTS MENTIONED IN CHAPTER – III & IV

S.No.	Components	Cost Inclusive of Taxes in INR
1	Total Cost of Section I, Part A: HPC (S.Nos. 1-9)	
2	Total Cost of Section I, Part B: Desktops (S.Nos. 1)	
3	Total Cost of Section II: HPC Server Room Infrastructure Components (S.Nos. 1-2)	
4	Total Cost of Section III: Service Components (S.Nos. 1-6)	
5	Other Charges (if any), please specify in brief	
6	Grand Total of Complete End to End Solution Comprising of all the components enumerated above	
In Words: Rupees “		” only

Note: The price bid evaluation of the technically qualified bidders shall be done on the basis of the Grand Total of Complete End to End Solution i.e., S. No. 6 of the above table for determining the Lowest Priced L1 bidder for award of work.

Post-Warranty Annual Maintenance Contract for Three Years (To be submitted in a separate sheet along with the price bid)

The Post-Warranty Annual Maintenance Contract Prices mentioned in the below table shall not be used for evaluation for determining the technically qualified lowest priced L1 bidder for award of work. However, they may be used for AMC after the warranty period is over. The decision for AMC of specified components at the rates mentioned in the table below rests solely with the Institute.

S.No.	Components	Year 1 Cost Inclusive of Taxes in INR	Year 2 Cost Inclusive of Taxes in INR	Year 3 Cost Inclusive of Taxes in INR
1	AMC Cost of Section I, Part A: HPC (S.Nos. 1-9)			
2	AMC Cost of Section I, Part B: Desktops (S.Nos. 1)			
3	AMC Cost of Section II: HPC Server Room Infrastructure Components (S.Nos. 1-2)			
4	Grand Total of AMC Comprising of all the components enumerated above			

IMPORTANT NOTE: This document is an integral part of the tender document. It has to be pre-pended to the tender document and needs to be sealed and signed by the authorized signatory of the bidder and the same needs to be enclosed with the Techno-Commercial Bid Part –A in accordance with S. No. 50 (iv) and 53 of Chapter I: Instructions to Bidders.

Rest of the conditions remain unchanged

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