NATIONAL INSTITUTE OF TECHNOLOGY, Tiruchirappalli 620 015

STORES AND PURCHASE SECTION

Date:21.05.2026

CORRIGENDUM

Tender Id	2026_NITT_908417_1
Name of the work/item	**Tender for Supply, Installation and Commissioning of HPC Infrastructure, Lab Infrastructure and UPS Systems for the Tata AI & ML Centre at NIT Tiruchirappalli.**

With reference to the tender mentioned above, the detailed technical specification provided in Annexure 1 of the tender document is further detailed below for the items A, B, C, D, E, F and G under Package A. Bidders are requested to kindly consider and comply with the same while submitting their bids.

Existing	Amended as
As in Pg No. 32 & 33 in tender document.	**(In Pg No. 32 & 33 in tender document)** **DETAILED TECHNICAL SPECIFICATIONS** **PACKAGE A** **A. GPU Nodes (H200 NVL - 4-GPU Configuration) – Qty: 1** **System Architecture** • Enterprise-grade GPU accelerated AI/HPC server • Rack-mount form factor • PCIe Gen5 compliant architecture • AI/ML optimized thermal and airflow design • Redundant hot-swappable power supplies • Designed for 24×7 continuous AI training and inference workloads **GPU Configuration** • Minimum 4 × NVIDIA H200 GPUs • Minimum 141 GB HBM3e memory per GPU • NVLink / NVSwitch enabled GPU interconnect architecture • CUDA, Tensor Core and Transformer Engine support • Suitable for: o LLM training o Generative AI o HPC workloads o Simulation o Large-scale inference **Processor** • Dual-socket server platform • Intel Xeon Scalable Gen-4/Gen-5 OR AMD EPYC 9004/9005 series **Minimum Processor Requirements** • Minimum 32 cores per CPU • Total minimum 64 CPU cores • Base clock speed ≥ 2.0 GHz • Turbo/Boost clock ≥ 3.5 GHz **System Memory** • Minimum 1 TB DDR5 ECC Registered RAM

	• Expandable architecture **Storage** **OS Storage** • Minimum 2 × 1.92 TB Enterprise NVMe SSD • RAID-1 configured **High-Speed Scratch Storage** • Minimum 4 × 3.84 TB Enterprise NVMe SSD **Networking** • Minimum: o Dual-port 100 GbE / HDR InfiniBand capable NIC o RDMA/RoCEv2 support **Software Compatibility** • Ubuntu Server / RHEL compatible • CUDA, cuDNN, NCCL support • Docker / Kubernetes support • Slurm compatible • GPU virtualization/orchestration support • Containerized AI workload deployment support **Management** • IPMI/iDRAC/iLO or equivalent remote management support **Warranty & Support** • Minimum 5 years comprehensive OEM warranty • Installation, integration, benchmarking and commissioning included **B. Master Node – Qty: 1** **System Architecture** • Enterprise rack-mount server platform • Suitable for cluster orchestration and management • Redundant hot-swappable power supplies **Processor** • Intel Xeon Scalable Gen-4/Gen-5 OR AMD EPYC 9004/9005 series **Minimum Processor Requirements** • Minimum 24 cores per CPU • Total minimum 48 CPU cores • Base clock speed ≥ 2.0 GHz **Memory** • Minimum 256 GB DDR5 ECC Registered RAM **Storage** **OS Storage** • Minimum 2 × 960 GB Enterprise SSD • RAID-1 configured **Data / Application Storage** • Minimum 4 TB NVMe SSD **Networking** • Minimum: o Dual-port 10 GbE NIC o Single-port 100 GbE uplink **Functional Role** • Cluster management • User authentication • Monitoring and logging • Job scheduling • Container orchestration support **Software Compatibility** • Ubuntu Server / RHEL compatible • Slurm compatible • Docker / Kubernetes compatible **Warranty** • Minimum 5 years OEM warranty

	C. High-Speed Switch – Qty: 1 **Architecture** • Enterprise/datacenter-class AI/HPC fabric switch • NVIDIA Quantum / Spectrum series or equivalent **Port Configuration** • Minimum 8 × 100G/200G QSFP ports • Required optics/DAC/AOC cables to be supplied **Features** • RDMA/RoCE support • Ultra-low latency architecture • Non-blocking switching fabric • Congestion management support • Lossless Ethernet support preferred **Management** • SNMP v2/v3 support • CLI and web-based management • Monitoring and diagnostics support **Hardware** • Redundant hot-swappable power supplies • Rack mountable form factor **Warranty** • Minimum 5 years OEM warranty and support **D. Secondary Network Switch – Qty: 1** **Architecture** • Layer-2 / Layer-3 managed enterprise network switch • Cisco / Juniper / Arista / HPE Aruba or equivalent **Port Configuration** • Minimum 48 × 1G/10G SFP+ ports • Minimum 4 × 40G/100G QSFP uplink ports **Performance** • Non-blocking switching architecture • Switching capacity ≥ 1.2 Tbps • Forwarding performance ≥ 900 Mpps **Features** • VLAN support • STP/RSTP/MSTP • Link aggregation (LACP) • IPv4/IPv6 support • QoS support • SNMP v2/v3 support • ACL/network security support **Management** • CLI and web-based management interface **Hardware** • Redundant hot-swappable power supplies • Rack mountable design **Warranty** • Minimum 5 years OEM warranty and support **E. Unified Storage (1 Lot)** • ≥ 100TB usable storage capacity • NVMe tiering • RAID DP • NFS/SMB support **Storage Architecture** • Enterprise-grade unified storage system suitable for AI/HPC environments • Scalable architecture with support for future storage expansion • High availability storage design **Storage Media** • Hybrid architecture with NVMe SSD caching/tiering support

	• Enterprise-grade SSD/HDD configuration **Data Protection** • RAID DP / RAID-6 or equivalent data protection • Snapshot support • Data redundancy and fault tolerance support **Protocol Support** • NFS support • SMB/CIFS support • iSCSI support preferred **Performance** • Optimized for AI/ML datasets and HPC workloads • Multi-user concurrent access support • High-throughput storage access architecture **Networking** • Minimum dual 10GbE interfaces • Support for integration with AI compute fabric/network **Management** • Web-based centralized management • Storage monitoring and health reporting support **Warranty & Support** • Minimum 5 years comprehensive OEM warranty and technical support **F. GPU Desktops – Qty: 30** **Processor** • Intel Core i7/i9 14th Generation OR AMD Ryzen 7/9 7000 series or higher **Minimum Processor Requirements** • Minimum 8 cores • Base clock ≥ 3.0 GHz • Turbo frequency ≥ 5.0 GHz **GPU** • NVIDIA RTX 4070 with minimum 12 GB GDDR6X memory or better **Memory** • Minimum 32 GB DDR5 RAM • Expandable to minimum 64 GB **Storage** • Minimum 1 TB PCIe Gen4 NVMe SSD **Display** • Minimum 27-inch IPS monitor • Minimum Full HD resolution • QHD preferred **Networking** • Gigabit Ethernet • Wi-Fi 6 support **Operating System Compatibility** • Ubuntu Linux and Windows compatible **Accessories** • Keyboard and mouse **Warranty** • Minimum 3 years OEM onsite warranty **G. MacBook Pro - Latest Generation M4 Max - Qty: 3** **Model** • Apple MacBook Pro 14-inch with Apple Silicon Processor **Processor** • Apple M4 Max chip or higher **Minimum Requirements** • 14-core CPU or better • Dedicated Neural Engine support • Hardware accelerated AI/ML processing capability **GPU** • Integrated Apple GPU with minimum 32-core GPU architecture

	Memory • Minimum 36 GB unified memory **Storage** • Minimum 1 TB SSD storage **Display** • 14-inch Liquid Retina XDR display • Minimum native resolution as per OEM standard **Connectivity** • Wi-Fi 6E support • Bluetooth support • Thunderbolt/USB-C ports • HDMI output support **Operating System** • Latest supported macOS version **Accessories** • OEM charger and accessories **Warranty & Support** • Minimum 3 years AppleCare+/OEM-supported warranty coverage **Mandatory Inclusion Clause** • The bidder shall supply all required racks, accessories, interconnects, optics, cables, rails, connectors, transceivers, mounting hardware, PDUs, power cords and integration components necessary for complete installation, commissioning and operationalization of the AI Compute Facility, even if not explicitly mentioned individually in the specifications. • This corrigendum forms part of the tender document.

All other terms & conditions of the tender shall remain unchanged.

Sd/-

Tender inviting authority