

Department of Physics  
Indian Institute of Science  
Bangalore, India, PIN 560012

---

## Corrigendum

Dear Madam/Sir,

Subject: Corrigendum:Tender for a high-performance computing cluster FOR-IISc Bangalore basis in INR only

Please note the following details of the tender.

**Tender title:** HPC cluster from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor

**Tender floating date:** 19/05/2026

**Corrigendum date:** 03/06/2026

**Corrected specifications for the Master and the Compute Node (Points 1 and 2 in the original tender):**

1. **Master Node:** A separate master node with the following specifications. All components of a node must have itemized price.
  - a. **5th Generation Dual Intel Xeon/ 5th Generation Dual AMD** Processors. Please provide separate itemized quotation for the following configurations. All frequencies are base frequencies.
    - i. At least 18 cores per processor. 2.3 GHz or better. (Dual processor)
  - b. Motherboard should have at least 256 GB of RAM and scalable to 512 GB of RAM. At least DDR5 ECC @4800 MHz or better.
  - c. At least 1x 480 GB M.2 SSD for OS
  - d. 12 x 24 TB Enterprise SATA HDD.
  - e. RAID Card with min 1 GB cache with RAID 1, 5, or 6.
  - f. Hardware RAID controller (1,5 and 6) that supports up to 12 HDDs x 24 TB.

- g. Dual gigabit LAN ports
  - h. **NIC:** 2x10GBase-T LAN ports with necessary cables
  - i. **Management:** Dedicated management port with virtual media over LAN and KVM-over-LAN support
  - j. USB ports: At least 2 USB 3.0 (front)
  - k. IPMI / Remote management features
  - l. 2U rackmount form factor with rail kit.
  - m. Redundant power supplies, Titanium level efficiency
2. **Compute Nodes:** Cluster with a **minimum of 3 nodes** (more nodes may be purchased if within budget) with the following specifications per node:
- a. **5th Generation Dual Intel Xeon/ 5th Generation Dual AMD**, with a minimum of 32 cores per processor and a minimum base frequency of 2.1 GHz. (Dual Processor).
  - b. Motherboard should have at least 256 GB of RAM and scalable to 512 GB of RAM. At least DDR5 ECC @4800 MHz or better.
  - c. At least 1x 480 GB M.2 SSD for OS
  - d. The quote should include the price for Enterprise SATA HDD with a minimum storage of 8TB. The solution should be scalable to 64 TB.
  - e. **Management:** Dedicated management port with virtual media over LAN and KVM-over-LAN support
  - f. **NIC:** 2x10GBase-T LAN ports with necessary cables
  - g. USB ports: At least 2 USB 3.0 (front)
  - h. Redundant Power Supplies- Platinum level efficiency or above
  - i. IPMI/Remote management features
  - j. 2U rackmount form factor with rail kit.
3. **Network/Interconnect:**
- a. 2x10GBase-T LAN ports with necessary cables
  - b. A separate 8-Port unmanaged Rackmount Gigabit ethernet switch should be provided for IPMI / management and administration of the cluster.
  - c. All network cables should be listed and supplied.
  - d. A 8-Port 10G unmanaged Rackmount Switch. SFP uplink NOT required.

**Additional Points:**

- 1. The master node is no longer an optional component.

2. Because CentOS has reached End of Life, Rocky Linux or Alma Linux can be installed as the OS.
3. Licenses for software, if required, will be provided at the time of installation.
4. The department of Physics will just provide space and power for the e cluster. The vendor is expected to take care of everything else.
5. **SLURM should be installed as the job scheduler.**
6. Rocks, xCAT, or Warewulf can be provided as the cluster management software.