

Annexure A

Technical Specification Requirements

Supply, delivery, installation and commissioning of Parallel File System Storage hardware, software; maintenance and support for a three (3) year period

RFP No. 3781/07/10/2026

Note: Annexure A - Technical Specifications Requirements is an Elimination Criterion. Bidder must indicate compliance with the technical specifications requirements by indicating YES/NO.

Bidders must indicate their ability to do the following and substantiate as required with supporting documentation.

Proposals will be eliminated and will not be considered for further evaluation for failure to meet any of the following mandatory requirements:

Technical Specifications Requirement	Bidder's meets requirement (YES/NO)	Reference page in bidder's document
1. The bidder's pricing proposal must include all of the following usable physical storage capacity options, without the use of compression, deduplication or other data reduction techniques. ☐ Option 1: 1.0 PB total physical storage ☐ Option 2: 1.25 PB total physical storage ☐ Option 3: 1.5 PB total physical storage ☐ Option 4: 1.75 PB total physical storage ☐ Option 5: 2.0 PB total physical storage ☐ Option 6: 2.2 PB total physical storage ☐ Option 7: 2.4 PB total physical storage Refer to Table 0 in Annexure C – Terms of Reference for details of options. Note: The Bidder must submit a detailed Bill of Materials, without prices, that would allow the CSIR to verify the physical storage capacity for each option as listed above.		
2. Bidder must commit to providing relevant technical training for CSIR staff; and must: • Provide comprehensive documentation of the entire solution, including setup, configuration, troubleshooting, and maintenance guides. • Deliver training for CSIR staff covering the management and operational aspects of the new storage solution. • Include full details of the comprehensive training program for the CSIR team on system management, configuration, monitoring, and troubleshooting.		
3. The proposed filesystem must provide quota management.		

Technical Specifications Requirement	Bidder's meets requirement (YES/NO)	Reference page in bidder's document
4. The proposed filesystem must support simultaneous access from a minimum of 1200 compute nodes.		
5. The proposed solution must have monitoring and alerting capabilities.		
6. The proposed solution must connect via NDR200 switch provided.		
7. The proposed solution must include 42U Rack(s).		
8. The proposed solution must have no single point of failure.		
9. The proposed solution must have 3-phase smart PDUs in HA mode.		
10. The proposed Parallel File System must have a minimum sustained read performance of 100GBps for all options (listed in row 1 of this document). Performance must not decrease as capacity is expanded		
11. The proposed Parallel File System must have a minimum sustained write performance of 100GBps for all options (listed in row 1 of this document). Performance must not decrease as capacity is expanded		

BIDDING COMPANY: _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE:

SIGNED at _____ on this _____ day of _____ 20____

SIGNED: _____

Name: _____

Designation: _____