

Eligibility Criteria

Special purpose computing facility for gravitational wave research

Part 1

A. General Instructions for Bidders:

1. The entire solution should be based on certified hardware / software components, which are fully validated and supported by the OEM.
2. Vendor must quote for all the requirements together viz HPC cluster and Interconnect for the proposed solution. Partial response to the tender will be rejected.
3. HPC cluster solution must have dense computing platform (0.5U) based compute nodes.
4. All equipment must be compatible with existing racks, PDUs and Indian electrical standards. Engineering documentation (in digital form ONLY) on the physical sizes, weights of all major components must be submitted along with the technical bid.
5. The server management software should provide proactive notification of actual or impending component failure. Bidder should provide required hardware/software components, if any.
6. The server, chassis management and monitoring software must be from the OEM itself.
7. The proposal must include 1) detailed data sheets (in digital form ONLY) for every single proposed component & the necessary technical white papers discussing features, performance and optimized technique 2) pictorial representation of the entire solution indicating required rack size in U and 3) the power and cooling requirement with supporting documents 4) Complete Bill of Materiel (BOM).
8. The warranty and support of the total solution shall commence from the date of final acceptance test and sign off on an acceptance report.
9. The entire solution should fit within 60 U rack space and its total power requirement should not exceed 50 KW. The solution must be implemented within the already existing racks, PDUs available at the IUCAA data centre. The bidder may inspect IUCAA facilities before quoting.