

# Addendum to IACS Tender No. TP/PM/01 dated 01.11.2011 for procurement of a supercomputer.

November 18, 2011

## Points raised:

1. Regarding reproduction of the benchmark results on the machine supplied to IACS for successful completion of installation process: Should a 5% tolerance be allowed?  
**Yes. A 5% tolerance may be allowed.**
2. Regarding the interconnect: Single switch or multiple stacked switches are allowed?  
**For vendors proposing a switch based interconnection : Single switch capable of connecting at least 10,000 compute cores must be supplied.**
3. Specify whether hardware RAID is necessary.  
**Yes. For the storage system, a SAN with 100 TeraBytes of usable storage space with RAID 6 or RAID 10 must be supplied.**
4. Specify the I/O bandwidth (fixed blocksize) for parallel file system.  
**File creation bandwidth must be at least about 1200 MegaBytes/sec (at the optimum blocksize) and file reading bandwidth must be at least 1500 MegaBytes/sec (at the optimum blocksize).**
5. Number of licenses for the PGI compiler.  
**At least PGI Accelerator Cluster Development Kit 64 processes with at least five user network license and 3 year subscription must be supplied.**
6. Whether load-leveller is required or any generic queue management software.  
**A generic queue management software capable of parsing user resource requirements along with an appropriate job scheduler must be supplied.**
7. Whether operating system and parallel file system should be open source or subscription based.  
**Certified version of linux must be used.**
8. The 15 TeraFlops of computing power must be exclusive of the master, management and I/O nodes.
9. The total floor space available for the full installation (machine + SAN + management) is about 20 square metres.