**Specifications for Xeon PHI Server**

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| * Processor: 2 x Intel Xeon E5-2630V3 (2.4GHz/ 8-Core / 20MB / 8.0GT-s QPI) * Memory: 64GB (4x 16GB) DDR4 Reg. ECC 2133MHz (4GB/core) with necessary free slots and provision to add at least another 192GB in future; total 16 DIMM slots * Internal Storage: 2x 2TB hot-swap SATA Enterprise class 7.2K rpm with total 8 HDD bays * Xeon Phi: 2x Intel Xeon Phi 7120P 16GB with necessary free slots and provision to add at least another 2x 7120P in future; adequate power, cooling and infrastructure for 4 cards must be available during supply. * 2x Gigabit Ethernet Port and 1x Dedicated LAN for system management * Additional 2 free PCI-E 3.0 slots must be available for adding add-on cards like Gigabit card, Infiniband Card, 10GbE cards in future * Internal DVD Writer * Power Supply: Redundant Platinum Level (94%) Power Supplies * Must be rack mountable; Rack mount Rail Kit must be included * Warranty: 3 years on-site comprehensive warranty |
| **Installation, Warranty and Training:**   1. The bidder must have supplied and installed at least two Xeon Phi based server / workstation in the last 3 years in reputed academic institutions like IIT’s / NIT’s. Please give the list of installations. 2. Acceptable Brands: HP/DELL/Lenovo/Fujitsu/Boston/Supermicro 3. The vendor must install open source Linux operating system and respective drivers / toolkit for Xeon Phi and ensure that the hardware and software components are compatible with each other, and provide necessary cables/wires and any other accessories necessary for complete functioning of the system. 4. As part of the acceptance, bidder must run and show some sample programs on the Xeon Phi. |