



## INDIAN INSTITUTE OF TECHNOLOGY BOMBAY MATERIALS MANAGEMENT DIVISION

Direct : (+91-22) 2576 8800 (DR) / 8805 (Tender Section)/8801(Local) / 8803,04,06 (Import) / 8802 (Enquiry & Bill tracking)/ 8848(Progress) Email : [drmm@iitb.ac.in](mailto:drmm@iitb.ac.in), [bkganesh@iitb.ac.in](mailto:bkganesh@iitb.ac.in)

<b>RFx No.</b>	6100000068
<b>RFx Date</b>	30 <sup>th</sup> October, 2018
<b>Advt. No.</b>	Advt. No. MMD-07/18-19
<b>Item Description</b>	High Performance Computing (HPC) Facility

### ELIGIBILITY CRITERIA :-

- 1) Bidder must have previous experience of 3+ year in building such high-performance computing systems.
- 2) OEM and/or bidder should have be in the CDAC-approved list of the best such in India: <http://topsupercomputersindia.iisc.ernet.in/jsps/july2017/index.html>
- 3) Bidder must provide details of some current installations in India.
- 4) Bidder must provide brochures for all standard equipment.

### TECHNICAL SPECIFICATIONS:-

- 1) High Performance Computing (HPC) Facility comprising components (A) and (B):

(A) Two quantity of Dell PowerEdge R740 Rack Server (2U) each with the following configuration:::: DUAL Intel Xeon Platinum 8160, 2.1GHz base, 24C, 33M cache, 150W processor DDR4-2666 --- RAM DDR4 64GB (Two cards of 32GB) 2666MT/s RDIMM --- HDD storage 4TB (1 x 4TB) 7200RPM SATA 512n --- GPU: Nvidia GTX 1080 Ti (ASUS ROG STRIX triple-fan) --- Dual, Hot-plug, Redundant Power Supply (1+1), 1600W --- Linux (Ubuntu 18.04.1 LTS) operating system --- Three years warranty and next-business-day service.

(B) Two quantity of 4U rack (supports upto 10 GPUs, Redundant 2000 W power supply, 2666 MHz RAM) each with the following configuration:::: DUAL Intel Xeon Gold 6130, 2.1GHz base,16C, 22M cache, 125W DDR4-2666 --- RAM DDR4 64GB (Two cards of 32GB each) 2666MT/s RDIMM; with support for upto 24 DIMMs --- HDD storage 4TB (2 x 2TB) 2.5" 7200RPM SATA 128MB Seagate (enterprise class); with support for upto 24 bays --- GPU: Nvidia GTX 1080 Ti (ASUS ROG STRIX triple-fan) --- Power supply unit (PSU) needs to be able to support for expansion stated above --- Linux (Ubuntu 18.04.1 LTS) operating system --- Three years warranty and nextbusiness- day service.

- 2) Optional Add-On Item: RAM card Optional Add-On Item: RAM DDR4 32GB Card 2666MT/s RDIMM (compatible with both servers above)



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY  
MATERIALS MANAGEMENT DIVISION**

Direct : (+91-22) 2576 8800 (DR) / 8805 (Tender Section)/8801(Local) / 8803,04,06  
(Import) / 8802 (Enquiry & Bill tracking)/ 8848(Progress) Email : [drmm@iitb.ac.in](mailto:drmm@iitb.ac.in),  
[bkganesh@iitb.ac.in](mailto:bkganesh@iitb.ac.in)

3) Optional Add-On Item: GPU card Optional Add-On Item: GPU Nvidia GTX 1080 Ti (ASUS ROG STRIX triple-fan)

**\*Note: It is mandatory to quote for all items including optional items.**