RFx No. 6100000068

RFx Date 30th October, 2018

Advt. No. Advt. No. MMD-07/18-19

Item Description 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)
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.