Minutes of the HPC Advisory committee Meeting held on 1st June 2020(Monday), starting 10:30AM

Members Present: Profs. Sumit Ganguly (DDIA and chair), Mahendra Verma, Sankar Ramakrishnan, Amalendu Chandra, Nisanth Nair, Sanjay Mittal, Ashoke De (Convener), and Mr. Brajesh Pandey.

Members not present: Prof. Jayant K. Singh

Agenda of the meeting:

- HPC reports and account renewal
- Viewing right of Co-PIs in MHRD project
- AMC for HPC2010 & 2013
- Status update on HPC2020

❖ HPC Reports and Account renewal:

1. It was discussed that the collection of annual Report along with account renewal/creation have already been delayed by months due to lock-down. Hence, it was decided to request users to prepare the report along with account renewal/creation latest by 21st June 2020.

2. Further, it is mentioned that the account renewal/creation process has been made totally automated. Hence, one can access outside the campus. Students can apply online and supervisors can recommend the application using the online portal by proving the project details etc. It is available at https://www.hpc.iitk.ac.in/user/

❖ Viewing right of Co-PIs in MHRD project (20130176):

1. It was proposed and decided that all the Co-PIs in MHRD project (20130176) should be provided viewing right only instead transaction right. All the transaction may be processed through PI only. It was also decided that any HPC related transaction may be processed after dully verified and forwarded through HPC convener.

❖ AMC for HPC2010 & 2013

1. The committee had detailed discussion on the renewal of AMCs of HPC2010 & HPC2013. It was also brought to the notice that some components are already out of AMC and renewal process could not take place due to lock down. Further, upon negotiation, the vendors are ready to provide AMC for HPC2010 & HPC2010 Extension June 8 onwards for a quarter; while no commitment was received from the vendor regarding the AMC of HPC2013.

2. In this regard, it was also brought to the notice that the tendering for PBS schedular for HPC2010 & HPC2013 was in principal approved by DDIA through email dated April 29,

2020. However, the actual process needs to be carried out as soon as necessary budgetary approvals have been obtained from competent authority.

3. Also, it was brought to the notice that 2 manpower from, that complement each other, are posted for hardware issues of HPC2010 and HPC2013 and their extensions. Purchase Order for the AMC of this Manned Maintenance has been issued. These two persons may be clubbed under a single umbrella later.

4. It was further discussed regarding the DDN storage server associated with HPC2013 and its upgradation. DDN is ready to offer an upgraded new server with 3 years warranty, however, the logistics needs to be formalised accordingly.

5. In particular, the committee agrees if the logistics are sorted out, then it is advisable to go for an upgraded new DDN storage server for HPC2013.

❖ **Status update on HPC2020**

The following updates are brought in front of the committee regarding HPC2020.

1. All the computing nodes and water-cooled racks have arrived.
2. Air cooled racks are dispatched from Mumbai and expected to be arrived in next few days.
3. AC works of datacentre expected to be completed in next 10-12 days.
4. Engineers from CDU (water cooled racks) and PHU (air cooled racks) need to visit and commission that.
5. Electrical and Network works are in progress.
6. Once, infrastructure is ready – ATIOS engineers can come and install the units. However, CDAC is in process of getting the storage for the new HPC system.
7. Expected to have the new HPC2020 ready around October/November 2020 if all goes well.