**Clarifications for NCCRD HPC datacenter**

**Tender No. : ICER/SH/2015-16/1003**

**Tender date: 8thFebruary, 2016**

**Note: All vendors*must*  include a signed copy with the company rubber stamp of this clarification document with the technical bid.**

1. **Server room layout (ref. Technical specifications, section 1.0 and 1.1)**
   1. The height of the partition should match the height of the tallest piece of equipment, i.e. Battery rack or UPS to be located in the “UPS+Batteries area” such that air circulation between this area and the rest of the datacenter room is possible without additional cooling.
   2. If this partition needs to extend all the way to the ceiling of the room, separate cooling for the UPS+Batteries area that is sufficient to manage the heat load in this part of the datacenter should be provided. A fireproof door separating the the “UPS+batteries” area and the server rack area should be provided.
   3. Routing of power and cooling to server Racks.
      1. Additional trenches for this purpose can be used in the design.
      2. These additional trenches should not result in lowering of the overall floor level of the room
      3. Spatial separation of between the trenches carrying power and network cables must be maintained as per existing standards for the same.
2. **UPS System (Technical specifications section 5.0 and 5.1)**
   1. No redundancy is needed for the UPS.
   2. The power rating of the UPS can be between 40-45 kVA.
3. **Server/network racks (Technical specifications section 2.0 and 2.1)**
   1. The server rack width must be between 750-800 mm.
4. **PDU (Power distribution unit) (Technical specifications section 3.0 and 3.1)**
   1. The power supply cable should be atleast 3m in length and must be terminated with an IEC 309 industrial socket.
5. **Rack based cooling system (Technical specifications section 4.0 and 4.1)**
   1. Only temperature monitoring should be implemented.
6. **Corrections to tender text**
   1. Page 3 of 21, Point 1.A.b.i, the words “for HPC Clusters” stands deleted
   2. Page 3 of 21, Point 1.B the word “bidder” is changed to read as “bidder/OEM”
   3. Page 3 of 21, Point 1.B the word “bidder” is changed to read as “bidder/OEM”
   4. Page 3 of 21, Point 1.B the words “… a server room/datacenter for HPC systems….” is changed to read as “server room/datacenter systems”
   5. Page 4 of 21, point 3.g. the word “HPC” stands deleted.