No.	Query	Response
1	*"Last Date for Bid: Oct 15, 2020 5PM"* : Due to covid-19 lockdown situation in all around world, We request you to extend this bid submission date by 4 weeks.	Not possible at this time.
2	*"For Indigenous supplies, 100% payment shall be released by IISc against delivery, inspection, successful installation, commissioning and acceptance of the equipment at IISc Bangalore."* We request you to kindly change the payment terms for Indigenous supplies, 80% payment shall be released by IISc against delivery of items and rest 20% amount after successful installation. Commissioning and acceptance of the equipment at IISc Bangalore.	We are OK with 80% payment on delivery and 20% payment on acceptance
3	Rack & Chassis , its mentioned 38 or more C-14 Sockets PDU , Normally C14 Sockets are Male socket , its should be changed to C13 which is female Socket.	Compatible PDU(s) in 3-Phase with MCB(a) to provide 38 (or more) sockets-No extra cabling.
4	Also for 38 C-13 Sockets there will be 3 Phase Four MCB for 10 Sockets Each	Compatible PDU(s) in 3-Phase with MCB(a) to provide 38 (or more) sockets-No extra cabling.
5	Since this is a genomic requirement, OEM has a separate solution for GATK App tweak.	This is not just for running GATK. We're looking for a big data solution that can run Apache Spark, HDFS, etc. with genomics being an application domain.
6	Sixteen nodes, asked is Minimum 750 Giga FLOPS of Sustained (Rmax) performance per node, to be validated using High Performance Linpack (HPL), Please do let us know the acceptable variance. Basis our experience we request you to consider +/- 5% to 7 %.	We are OK with up to 5% deviation below requirement for HPL during acceptance test of a node
7	HPL certification we need to understand details.	The bidder must provide evidence that the necessary performance can be achieved. For acceptance, vendor will need to demonstrate one successful run of High Performance Linpack (HPL) on the storage/head node and on each compute nodes indepedently, which achieves an Rmax that is specified for the node in the tender (with up to 5% deviation below).
10	Memory: Expandable to 2TB: Expandable to 1TB. Single socket servers may not support upto 2TB	We are OK with expansion to only 1TB

#		
11	SSD: 950GB(or larger) NVME SSD/M.2: Pls. include M.2 also. Pls change to: 950GB(or larger) NVME SSD/M.2. M.2 is also widely used FF which can be good option both in terms of capacity and pricing	SSD with NVMe interface is required. The form factor can be M2, U2, PCIe card slot, etc.
12	SSD: 2GBps (or faster) sequential read/write speed rating: Requesting to remove this specification. Economical drives can be quoted as higher seq. write drives might be expensive	No change
13	HDD Controller: Support for RAID levels 0,1,4,5,6: Please change to "Support for Raid 0,1,5,6,10,50,60". Most Raid cards includes these RAID levels	We are OK with 0,1,5,6,10
14	Form Factor: 1U Rack mountable Chassis: Please include 1U/2U FF, 1U server may not have enough empty PCIe slots as required in RFP, 2U FF should also be included	OK with Minimum **"1"** PCI-3.0/4.0 x16 slots should be free. But 1U rack required for compute nodes.
15	ROCKS with Ganglia	ROCKS with Ganglia, or any other open source cluster management software is OK
16	Are 3 references required from vendor or from OEM?	We need 3 references for installations of 10TFlops or greater directly by the vendor in the **last 5 years**. The installations may be of different OEM equipment.
17	What types of applications will be run	GATK, GATK Spark, other Spark pipelines, distributed graph processing pipelines, among others
18	Can we supply fewer compute nodes with same or higher cumulatively Tflop performance?	No
19	Should the memory configuration be such that the motherboard bandwidth is maximally used?	No
20	Clarification on the 0.2PF accessible from head node	The HDFS should be configured such that the storage server (Name Node) can access the distributed storage available with on the compute nodes (Data Nodes). This is usually possible when HDFS is configured on a cluster.
21	Clarification on the GPU servers	GPU servers are not part of tender. In future, GPU servers will be added as separate nodes for the cluster, through the switch that is provided. This is usually possible under normal cluster configuration.