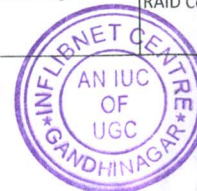**Minutes of the Pre-Bid Meeting held virtually on 18.05.2022 at INFLIBNET Centre regarding Procurement of 07 Nos. of Servers and 02 Nos. of Storage at INFLIBNET Centre.**

Date: 20.05.2022

Members of the Pre-Bid Meeting:	Following Bidders attended the Meeting:
1. Shri Manoj Kumar K., Scientist E (CS)	1. Shri Kashyap Doshi, M/s. Chintech Systems
2. Shri Yatrik Patel, Scientist E (CS)	2. Shri Niraj Jani, M/s. Jintech Solutions Ltd.
3. Dr. Abhishek Kumar, Scientist E (CS)	3. Shri Manthan Shah, M/s. Jintech Solutions Ltd.
4. Shri Kannan P, Scientist E (LS)	4. Shri Ashim Patro, M/s. Dell Technologies
5. Shri Gaurav Prakash, Scientist C (CS)	5. Smt Rekha Shiv Kumar, M/s. Dell Technologies
6. Shri Raja V, Scientist C (CS)	6. Shri Anand Sharma, M/s. AMD R&D Centre India Pvt. Ltd.
7. Shri Shyam Yadav, In-charge (P&S)	7. Shri Chetan Raut, M/s. Hitachi Ltd.

The Centre has floated Custom Bid no. GEM/2022/B/2138894 dated 04.05.2022 on GeM Portal for Procurement of 07 Nos. of Servers & 02 Nos. of Storage for INFLIBNET Centre. The pre-bid meeting for the same was convened online on 18.05.2022 at 1100 Hrs. The queries raised in the Pre-Bid meeting have been addressed and the compilation of the queries and clarifications is as follows:
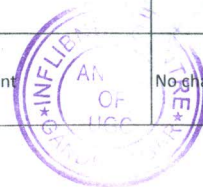
Sr. No.	Document	Page No.	Table/Point No.	Description	Concern	Suggestion	Clarifications by the Centre
1	GEM Bid	1	NA	Duration of ePBG required (Months). 62	There are only a few products with 5 Years warranty, rest products are with 3 Years Warranty. Requested to Reduce the ePBG Duration restrospectively.	Duration of ePBG required (Months). 62 (for equipment with 5 Years Warranty) Duration of ePBG required (Months). 38 (for equipment with 3 Years Warranty)	Warranty Period for all the products should be Five (05) Years
2	GEM Bid	2	NA	MII Purchase Preference	We would request you for the relaxation on the same as you have asked for Gartner Report in the Technical specification, No MII Company will be reported in Gartner	Requested to Change the Preference to NO as per the Additional Memorandum, Attached Memorandum for your reference	No Change
3	GEM Bid	7	Generic	Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.	In case if Inflibnet has Valid DSIR Certificate, the applicable GST will be 5%	Requested to clarify if Inflibnet has valid DSIR Certificate	DSIR Certificate for GST Exemption not available
4	Compliance	1	Table 1(A)	Hard disk drive Capacity (GB) : 2432 (2 X 1.2TB)	Formatted Capacity cannot be 2432 GB	Requested to remove 2432 from this Point	Hard disk drive Capacity (GB) : (2 X 1.2TB)
5	Compliance	1	Table 1(A)	RAID Controller Cache (MB) : 2048 or higher	Difficult to Prove the same point via Data Sheet, hence requested to Change to 2 GB or Higher Instead of 2048 MB or Higher	Requested to change as per below : RAID Controller Cache (GB) : 2 GB or higher	No Change

6	Compliance	1	Table 1(A)	Total No of Ports : 1G x 2, 10G x 2	Requested to clarify whether we need BaseT Network Ports or SFP + Network Ports with Transreciever	Clarification requested	Base T
7	Compliance	1	Table 1(A)	Server scalability to be achieved within the box without adding nodes : **Yes**	As you are already populating both the CPU's from Day 1, Server scalability cannot be achieved except Memory and Additiona Disk or Ports.	Requested to remove this Point	Only Memory /Additional Disk/Ports
8	Compliance	1	Table 1(A)	Certifications Compliance support by Windows, Red Hat or Novell or Oracle Cluster or Linux or AIX S/W	As you have asked for 1 Server Only, Certification of Cluster cannot be achieved	Requested to remove the Point	No Change
9	Compliance	2	Table 1(A)	On Site OEM Warranty (years) : 5	Requested to clarify whether we should quote Warranty for Next Business Day Warranty or 24 x 7	Clarification requested	24 x 7
10	Compliance	20	Table 1(B)	01 No. Storage with required accessories (Fibre) (Compliance Sheet)	As there is only 1 Server that will be connected to the Storage and Usable Capacity required in the Storage is 20 TB and Storage should scale upto 24 Drives. Inflibnet achieve the same functionality in a 2U Rack Server without Additional Storage (which in this case does not solve any purpose. Puting the Storage internally in the server will save Space, Power, managibility and cost.	We can Populate 12 x 2.4 TB 10K RPM Drives on the Server as Mentioned in Table 1, instead of 1U Server we can give you 2 U Server which can house upto 26 Disk Drives of 2.4 TB Each.	No Change
11	Compliance	5	Table-2(A)	Processor Description/ Number : Intel Xeon Gold 5218	Intel Xeon 5218 was Launched in the Year 2019 and it has been retired by major OEM's. requested to change the processor Intel Xeon Silver 4314 which meets the exact specs. Below link for Both Processors. https://ark.intel.com/content/www/us/en/ark/products/192444/intel-xeon-gold-5218-processor-22m-cache-2-30-ghz.html https://ark.intel.com/content/www/us/en/ark/products/215269/intel-xeon-silver-4314-processor-24m-cache-2-40-ghz.html	Requested to change the CPU Model.	Intel Xeon Gold 6248 or higher X86 Latest Gen 24 m
12	Compliance	5	Table-2(A)	Total Number of Ethernet Ports required in Server : 4x1G	Requested to clarify whether BaseT Ports are Required or SFP + Ports	Requested Clarification	Base T
13	Compliance	5	Table-2(A)	Networking Interface Card Features : Asset Feature Tracking, Security Management, Remote Wake up	Asset Tracking feature will not be the part of Technical specification, hence not documentary basis of proving the Point, reqeusted to remove the Point	reqeusted to remove the Point or mentioned technical specification so that it can be backed by OEM data sheet	Accepted

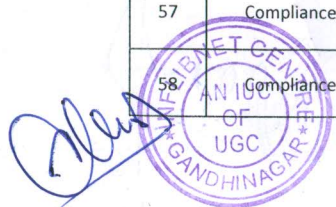|							
14	Compliance	8	Table-2(A)	Benchmark : SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)	As you have asked for a specific Processor Number, the Benchmark will be same for all the OEM's using the Intel Processor.	requested to remove the Point	Accepted
15	Compliance	9	Table-2(A)	Warranty : On Site OEM Warranty (Year) : 3	Requested to clarify whether we should quote Warranty for Next Business Day Warranty or 24 x 7	Clarification requested	24 x 7 for 5 years
16	Compliance	10	Table-2(B)	Hard disk drive Capacity (GB) ; 1TB	it is a Single Disk Configuration or we need to Provide 1 TB Usable Space using SAS Based SSD configured in RAID 5, this will be the usable capacity of Internal Server.	Requested to clarify	1 TB usable
17	Compliance	10	Table-2(B)	RAID Controller Cache (MB) : 2048 or higher	Difficult to Prove the same point via Data Sheet, hence requested to Change to 2 GB or Higher Instead of 2048 MB or Higher	Requested to change as per below : RAID Controller Cache (GB) : 2 GB or higher	No Change
18	Compliance	11	Table-2(B)	Total No of Ports : 1G x 2, 10G x 2	Requested to clarify whether we need BaseT Network Ports or SFP + Network Ports with Transreciever	Clarification requested	Base T
19	Compliance	11	Table-2(B)	Certifications Compliance support by Windows, Red Hat or Novell or Oracle Cluster or Linux or AIX S/W	As you have asked for 1 Server Only, Certification of Cluster cannot be achieved	Requested to remove the Point	No Change
20	Compliance	11	Table-2(B)	Server scalability to be achieved within the box without adding nodes : Yes	As you are already populating both the CPU's from Day 1, Server scalability cannot be achieved except Memory and Additiona Disk or Ports.	Requested to remove this Point	only for memory/Disk/ ports
21	Compliance	11	Table-2(B)	On Site OEM Warranty (years) : 5	Requested to clarify whether we should quote Warranty for Next Business Day Warranty or 24 x 7	Clarification requested	24 x 7 for 5 years
22	Compliance	12	Table-3	Hard disk drive Capacity (GB) ; 3 TB	it is a Single Disk Configuration or we need to Provide 3 TB Usable Space using SAS Based SSD configured in RAID 5, this will be the usable capacity of Internal Server.	Requested to clarify	3TB usable space
23	Compliance	12	Table-3	RAID Controller Cache (MB) : 2048 or higher	Difficult to Prove the same point via Data Sheet, hence requested to Change to 2 GB or Higher Instead of 2048 MB or Higher	Requested to change as per below : RAID Controller Cache (GB) : 2 GB or higher	No Change
24	Compliance	13	Table-3	Total No of Ports : 1G x 2, 10G x 2	Requested to clarify whether we need BaseT Network Ports or SFP + Network Ports with Transreciever	Clarification requested	Base T
25	Compliance	13	Table-3	Certifications Compliance support by Windows, Red Hat or Novell or Oracle Cluster or Linux or AIX S/W	As you have asked for 1 Server Only, Certification of Cluster cannot be achieved	Requested to remove the Point	No change

26	Compliance	13	Table-3	Server scalability to be achieved within the box without adding nodes : Yes	As you are already populating both the CPU's from Day 1, Server scalability cannot be achieved except Memory and Additiona Disk or Ports.	Requested to remove this Point	only for memory/Disk/ ports
27	Compliance	13	Table-3	On Site OEM Warranty (years) : 5	Requested to clarify whether we should quote Warranty for Next Business Day Warranty or 24 x 7	Clarification requested	24 x 7 for 5 years
28	Compliance	14	Table - 4	Number of sockets populated with processor : 2 Number of core per Processor : 08 or higher	As you are asking 2 x 8 Core Silver CPU, we will recommend to go for 1 x 16 Core CPU, which can give you future Scalability of 1 Additional CPU in the same server if Required	-	No Change
29	Compliance	14	Table - 4	Type of RAM : DDR4 (3200 MHz) or Higher	As the Processor Asked will not support more than 2600 Mhz, requested to change the memory specifications accordingly, kindly refer the below link https://ark.intel.com/content/www/us/en/ark/products/215275/intel-xeon-silver-4309y-processor-12m-cache-2-80-ghz.html	Requested to changes Type of RAM : DDR4 (2600 MHz) or Higher	Accepted
30	Compliance	14	Table - 4	Hard disk drive Capacity (TB) : Usable 1.2 TB (RAID 1)	The formatted usable capacity of 2 x 1.2 TB 10K RPM SAS Disk using Raid 1 will be 1.10 TB	Requested to change the same accordingly	2 x 1.2TB 10K (in RAID 1)
31	Compliance	15	Table - 4	RAID Controller Cache (MB) : 2048 or higher	Difficult to Prove the same point via Data Sheet, hence requested to Change to 2 GB or Higher . Instead of 2048 MB or Higher	Requested to change as per below : RAID Controller Cache (GB) : 2 GB or higher	No change
32	Compliance	15	Table - 4	Total No of Ports : 1G x 2,	Requested to clarify whether we need BaseT Network Ports or SFP + Network Ports with Transreciever	Clarification requested	Base T
33	Compliance	15	Table - 4	Certifications Compliance support by Windows, Red Hat or Novell or Oracle Cluster or Linux or AIX S/W	As you have asked for 1 Server Only, Certification of Cluster cannot be achieved	Requested to remove the Point	No change
34	Compliance	15	Table - 4	Server scalability to be achieved within the box without adding nodes : Yes	As you are already populating both the CPU's from Day 1, Server scalability cannot be achieved except Memory and Additiona Disk or Ports.	Requested to remove this Point	memory/HDD/Network Ports
35	Compliance	15	Table - 4	On Site OEM Warranty (years) : 5	Requested to clarify whether we should quote Warranty for Next Business Day Warranty or 24 x 7	Clarification requested	24 x 7 for 5 years

Sr. No.	Document	Table/Point No.	Description	Parametric Value	Concern	Clarifications	
36	Compliance	16	Table -5	Networking features The server should have the below networking cards: 1. 1Gb 4-port network adaptors 2. 10GBaseT 2-port Ethernet adaptor Infiniband support Options: 40Gb dual-port or 100Gb Single or Dual-port Adapter	Requested to clarify whether we need BaseT Network Ports or SFP + Network Ports with Transreciever	Clarification requested	Base T
37	Compliance	23	Table - 1 (B)	On Site OEM Warranty - 5	Requested to clarify whether we should quote Warranty for Next Business Day Warranty or 24 x 7	Clarification requested	24 x 7 for 5 years
38	Compliance	24	Table - 2 (C)	Storage Area Network (Compliance Sheet)	The Tender Specification are OEM Specific, requested to neturalize the same, also request to suggest which servers are to be connected so that connectivity and configuration can be factored before bidding Proposed Storage systems shall be simple to setup enabling installation in just a few minutes ; simple to use with an intuitive HTML5 Unisphere™ interface with multiple VMware and Microsoft integrations; simple to service/support that includes a built-in self-service portal with features and capabilities that easily help IT generalists resolve issues faster;	Unisphere is Trademark product of Dell.	Read as "Proposed Storage systems shall be simple to setup enabling installation in just a few minutes ; simple to use with an intuitive web interface with multiple VMware"
39	Compliance	-	Table - 2 (C)	Storage Area Network (Compliance Sheet)	What is the specific need for unified storage?	The Storage need not be unified. Request to amend the Storage type to Enterprise SAN as mentioned for Table-1(B) Storage	No change
40	Compliance	Table 2 (B)	Processor Make	Intel	The Processor make in Golden Parameters is an exlusionary one favoring a single vendor "Intel"	Request to incorporate AMD in the processor make field Goldden Parameter	No Change
41	Compliance	Table 5	HDD Bays	8 HDD bays scalable up to 24 SFF HDD/SSD The drive carrier should have an intuitive icon-based display along with the "DO NOT REMOVE" caution indicator (or smiliar) that gets activated automatically to avoied data loss/downtime due to wrong drive removal	The requirement is not specific	Request to elaborate	The point is amended as: "The drive carrier should have an visual indicator that gets activated automatically to avoid data loss/downtime due to wrong drive removal (DO NOT REMOVE or Similar)"
42	Bid Document	NA	MII Purchase Preference	-	Because of MII clause we will not be able to participate in the bid	-	No Change
Sr. No.	Document	Table/Point No.	Description	Parametric Value	Concern	Clarifications	
43	Commercial	NA	Delivery Timeline	30 days	As per current pandemic situation and shortage of spares reques timeline of min. 90 days	Accepted	

44	Compliance	Table 1 (A)	Processor Configuration	Intel Xeon Gold 6248 R or higher	Requested processor is one Gen older, **Kindly** make the changes to "Intel Xeon Gold 6342 2.8G, 24C/48T, 11.2GT/s, 36M Cache" to participate	Bidder may choose higher / upgraded model of **Processor**	
45	Compliance	Table 1 (A)	DIMM Slots (No.)	24	With latest Gen processor, total available DIMM slots would move to 32. Kindly make the changes	24 or Higher	
46	Compliance	Table 2 (A)	Processor Description/number	Intel Xeon Gold 5218	Requested processor is 1 Gen old, Kindly help with the changes to "Intel Xeon Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache"	Intel **Xeon** Gold 6248 or higher	
47	Compliance	Table 2 (A)	Motherboard-Expansion Slots Gen 3 (PCIe x16)	1	Kindly allow 3 x16 slots instead x8	higher Config may be considered	
48	Compliance	Table 2 (A)	Total Number of DIMM Slots available	24	With latest Gen processor, total available DIMM slots would move to 32. Kindly make the changes	24 or above	
49	Compliance	Table 2 (A)	Benchmark-SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)	183	All 4 Benchmarking are based on the **processor** and model. As requested, processor is 1 Gen older, kindly allow any value here.	dropped	
50	Compliance	Table 2 (A)	Warranty-On Site OEM Warranty (Year)	3	Earlier Config is requested with 5 Years and current one is **with** 3 Years. Kindly confirm if we can quote all **Configs** with 3 Years or 5 **Years**	24x7 for 5 years	
51	Compliance	Table 2 (B)	Processor Configuration	Intel Xeon Gold 6248R or higher	Requested processor is one Gen older, **Kindly** make the changes to "Intel Xeon Gold 6342 2.8G, 24C/48T, 11.2GT/s, 36M Cache" to participate	No change	
52	Compliance	Table 2 (B)	DIMM Slots (No.)	24	With latest Gen processor, total available DIMM slots would move to 32. Kindly make the changes	24 or above	
53	Compliance	Table 2 (B)	Hard disk drive Capacity (GB)	1 TB	SSD SAS Can come in 480GB, 960GB, 1.92TB, 3.84TB Size. Kindly allow us to quote 960GB SSD SAS Instead of 1TB Mentioned in SPECs	1 TB usable	
54	Compliance	Table 3	Processor Configuration	Intel Xeon Gold 6248R or higher	Requested processor is one Gen older, **Kindly** make the changes to "Intel Xeon Gold 6342 2.8G, 24C/48T, 11.2GT/s, 36M Cache" to participate	Intel **Xeon** Gold 6248 or higher	
55	Compliance	Table 3	DIMM Slots (No.)	24	With latest Gen processor, total available DIMM slots would move to 32. Kindly make the changes	24 or above	
56	Compliance	Table 3	Hard disk drive Capacity (GB)	3 TB	SSD SAS Can come in 480GB, 960GB, 1.92TB, 3.84TB Size. Kindly allow us to quote 2*1.92TB SSD SAS Instead of 1TB Mentioned in SPECs	May be allowed	
57	Compliance	Table 4	Hard disk drive Capacity (TB)	Usable 1.2 TB (RAID 1)	We can Provide Drive with 1.2TB Capacity. The same Drive can give 1TB Approx. Usable capacity with RAID 1	2 x 1.2 TB 10K (in RAID 1)	
58	Compliance	Table 5	CPU	Dual Processor of In Min 2.6GHz / 16-core / 48MB Cache)	Kindly Allow to quote "Intel Xeon Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache"	No Change, vendor may quote product as per specification	

59	Compliance	Table 1 (B)	Drive Type Wise Storage Capacity of System in GB (Capability)	1.8 or higher	Capacity in GB – 1800 or higher. Kindly resolve typing error.	Drive Type Wise Storage Capacity of System in TB (Capability)
60	Compliance	Table 1 (B)	If Yes, Number of Drive Slots available to achieve additional capacity	16 or higher	Out of 24 drive slots, 12 are populated leaving 12 for additional capacity. Kindly change point.	12 or Higher
61	Compliance	Table 1 (B)	Total Configurable Cache (GB)	16	For better performance, we recommend 32GB cache.	16 or higher
62	Compliance	Table 1 (A)	Processor Description	24	Requested processor is one Gen older, Kindly make the changes to "Intel Xeon Gold 6342 2.8G, 24C/48T, 11.2GT/s, 36M Cache" to participate	Bidder may choose higher / upgraded model of Processor
63	Compliance	Table 1 (A)	DIMM Slots (No.)	Intel Xeon Gold 6248 R or higher	With latest Gen processor, total available DIMM slots would move to 32. Kindly make the changes	24 or more
64	Compliance	Table 2 (A)	Motherboard-Processor Description/ Number	Intel Xeon Gold 5218	Requested processor is 1 Gen old, Kindly help with the changes to "Intel Xeon Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache"	Intel Xeon Gold 6248 or above
65	Compliance	Table 2 (A)	Motherboard-Expansion Slots Gen 3 (PCIe x16)	1	Kindly allow 3 x16 slots instead x8	higher Config may be considered
66	Compliance	Table 2 (A)	Total Number of DIMM Slots available	24	With latest Gen processor, total available DIMM slots would move to 32. Kindly make the changes	24 or above
67	Compliance	Table 2 (A)	Benchmark- SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)	183	All 4 Benchmarking are based on the processor and model. As requested, processor is 1 Gen older, kindly allow any value here.	No Change
68	Compliance	Table 2 (A)	Benchmark-SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG	179		No change
69	Compliance	Table 2 (A)	Warranty-On Site OEM Warranty (Year)	3	Earlier Config is requested with 5 Years and current one is with 3 Years. Kindly confirm if we can quote all Configs with 3 Years or 5 Years	to be discussed
70	Compliance	Table 2 (B)	Processor Configuration	Intel Xeon Gold 6248R or higher	Requested processor is one Gen older, Kindly make the changes to "Intel Xeon Gold 6342 2.8G, 24C/48T, 11.2GT/s, 36M Cache" to participate	No Change
71	Compliance	Table 2 (B)	DIMM Slots (No.)	24	With latest Gen processor, total available DIMM slots would move to 32. Kindly make the changes	24 or higher

72	Compliance	Table 2 (B)	Hard disk drive Capacity (GB)	1 TB	SSD SAS Can come in 480GB, 960GB, 1.92TB, 3.84TB Size. Kindly allow us to quote 960GB SSD SAS Instead of 1TB Mentioned in SPECs	1 TB usable	
73	Compliance	Table 3	Processor Configuration	Intel Xeon Gold 6248R or higher	Requested processor is one Gen older, Kindly make the changes to "Intel Xeon Gold 6342 2.8G, 24C/48T, 11.2GT/s, 36M Cache" to participate	No Change	
74	Compliance	Table 3	DIMM Slots (No.)	24	SSD SAS Can come in 480GB, 960GB, 1.92TB, 3.84TB Size. Kindly allow us to quote 2*1.92TB SSD SAS Instead of 1TB Mentioned in SPECs	Allowed	
75	Compliance	Table 3	Hard disk drive Capacity (GB)	3 TB	SSD SAS Can come in 480GB, 960GB, 1.92TB, 3.84TB Size. Kindly allow us to quote 2*1.92TB SSD SAS Instead of 1TB Mentioned in SPECs	allowed	
76	Compliance	Table 4	Processor Configuration	Intel Xeon Silver Processor (Total Cache – min. 12MB) or higher	Kindly Allow Intel XEON Silver 4309Y 8 Cores 2.8GHz	should match specification	
77	Compliance	Table 4	Hard disk drive Capacity (TB)	Usable 1.2 TB (RAID 1)	We can Provide Drive with 1.2TB Capacity. The same Drive can give 1TB Approx. Usable capacity with RAID 1	2 x 1.2 TB 10K (in RAID 1)	
78	Compliance	Table 5	CPU	Dual Processor of In Min 2.6GHz / 16-core / 48MB Cache)	Kindly Allow to quote "Intel Xeon Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache"	No Change, vendor may quote product as per specification	
79	Compliance	Table 1 (B)	Drive Type Wise Storage Capacity of System in GB (Capability)	1.8 or higher	Capacity in GB – 1800 or higher Kindly resolve typing error.	"Drive Type Wise Storage Capacity of System in TB (Capability) "	
80	Compliance	Table 1 (B)	Provision of additional capacity: If Yes, Number of Drive Slots available to achieve additional capacity	16 or higher	Out of 24 drive slots, 12 are populated leaving 12 for additional capacity. Kindly change point.	12 or more	
81	Compliance	Table 1 (B)	Total Configurable Cache (GB)	16	For better performance, we recommend 32GB cache.	16 or more	

Ammendment to Table No 4		
Sr No.	Description	Read as
1	Type of RAM	DDR4(2600 Mhz) or higher
2	Hard Disk drive Capacity	2 x 1.2TB with min 10KRPM (in RAID 1)