Replies to the queries received and minutes of the Pre Bid meeting held on 27.07.2016 for "Supply, Installation and Commissioning of Servers, Storage, Backup Device, Rack etc. to Assam State Disaster Management Authority" issued vide tender no. RGR/ASDMA/19/2015/78 , 13.07.2016 under the Chairmanship of Chief Executive Officer, Assam State Disaster Management Authority (ASDMA), Assam.

- Assam State Disaster Management Authority had published a tender notice of "Supply, Installation and Commissioning of Servers, Storage, Backup Device, Rack etc. to Assam State Disaster Management Authority" in the newspapers and its official website.
- The pre bid meeting of the Tender Document was on 27th July, 2016.
- The details of the queries made by the parties is placed at Annexure-I.
- Representatives of firms attended the Pre bid meeting. The attendance sheet showing the names of the firm and representative is placed at Annexure-II. The attendance sheet of purchase committee member is placed at Annexure-III.
- The committee after threadbare discussion of the issues involved in the queries of the prospective bidders, both technical and non-technical issues decided to modify some of the clauses/provisions made in the tender document for "Supply, Installation and Commissioning of Servers, Storage, Backup Device, Rack etc. to Assam State Disaster Management Authority" issued vide tender no. RGR/ASDMA/19/2015/78, 13.07.2016 as follows; -
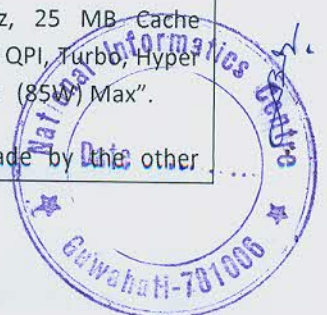
Sl. No	Name of the Agency	Queries obtained from different Agencies	ASDMA Reply against these queries
1	Wizertech Informatics Pvt. Ltd	Industry standard certifications : - Microsoft Windows Server 2012 R2, Microsoft Windows HPC server 2008, Novell SUSE Linux Enterprise Server, Red Hat enterprise Linux, Sun Solaris, Microsoft Windows Server 2008 Hypoer-V , VMWare ESXi Version 4.1, Citrix XenServer 5, FCC, UL, ROHS **Sun Solaris to be removed**	The Description of the parameter "Industry standard certifications" for Rack Server to be reads as "Microsoft Windows Server 2012 R2, Microsoft Windows HPC server 2008, Novell SUSE Linux Enterprise Server, Red Hat enterprise Linux, Microsoft Windows Server 2008 Hypoer -V , VMWare ESXi Version 4.1, Citrix XenServer 5, FCC, UL, ROHS" Similar queries made by the other bidders also stand decided accordingly.
2	Wizertech Informatics Pvt. Ltd	The array should support the following spindles: 300GB, 600 GB, 900GB, 1.2 TB or above; 10K / 15 K RPM 1 TB, 2TB, 3TB & 4 TB 7 K RPM NL SAS. It should support SLC and MLC / e MLC SSD Drives.	The condition stands. SLC SSD are longest lived and fastest SSD Drives, we may require in future.

		Mix and match of different type of spindles should be supported behind the same pair of controllers. **SLC SSD drives to be removed**	Similar queries made by the other bidders also stand decided accordingly.
3	Wizertech Informatics Pvt. Ltd	The storage system should support minimum 8 x 8 Gbps FC port and 2 X 10 Gbpx iSCSI Ports without performing any controller upgrades **2 X 10 Gbps iSCSI ports to be removed**	The condition stands. 2 x 10G iSCSI ports are required to keep as an alternative to FC connectivity or to connect any other Server with the Storage by using Ethernet ports. Similar queries made by the other bidders also stand decided accordingly.
4	Wizertech Informatics Pvt. Ltd	Most applications benefit from striping across multiple spindles. The array must support subsystem based striping across at least 30 spindles for enhanced performance. The striping should not be forced on all spindles and storage administrator should be given control and flexibility of data layout in the array. This should be inbuilt in to the storage and should not require any host based volume manager **Requested to remove this Clause and it is OEM specific**	This condition under Storage (SAN) stands deleted. Similar queries made by the other bidders also stand decided accordingly.
5	Wizertech Informatics Pvt. Ltd	Must support data-in-place upgrade of existing storage controllers to a future generation controller. **Requested to remove this Clause and it is OEM specific**	This condition under Storage (SAN) stands deleted. Similar queries made by the other bidders also stand decided accordingly.
6	BMG INFORMATICS PVT LTD	2 x Intel Xeon E5-2640 v3 2.6GHz,20M Cache,8.00GT/s QPI,Turbo,HT,8C/16T (90W) Max Mem1866MHz Change to 2 x E5-2640v4 CPU which is latest generation processor/2.4 GHz, 25 MB Cache	The Description of the parameter " Processors " for Rack Server to be reads as "Minimum 2 x Intel Xeon E5-2630 v4 ,2.2 GHz, 25 MB Cache memory, 8.00 GT/s QPI, Turbo, Hyper Threading , 10 Core (85W) Max". Similar queries made by the other

		memory,8.00 GT/s QPI, Turbo, Hyper Threading ,10 Core /20 Threads (90W) Max .	bidders also stand decided accordingly.
7	BMG INFORMATICS PVT LTD	RAM (min/max): 64 GB upgradable to 1.5TB DDR-4 ECC RDIMM RAM. **RAM (min/max): 64 GB upgradable to 512 GB DDR-4 ECC RDIMM RAM.**	The Description of the parameter " Memory" for Rack Server to be reads as "Minimum 64 GB upgradable to 1.5TB DDR-4 ECC RDIMM/LRDIMM RAM"
8	BMG INFORMATICS PVT LTD	3x600 GB 2.5" SAS, 10K rpm - upgradeable Up to 16 Nos. 2.5"HDDs. **3x600 GB 2.5" SAS ,10K rpm - upgradeable Up to 8 Nos. 2.5" HDDs.**	The Description of the parameter " Hard Disk Drives" for Rack Server to be reads as "3x600 GB 2.5" SAS, 10K RPM and upgradeable Up to minimum 8 Nos. 2.5"HDDs". Similar queries made by the other bidders also stand decided accordingly.
9	BMG INFORMATICS PVT LTD	HDD bays supporting SAS, SATA, SSD and SED drives **Please remove "SED drives" as the same is not a standard requirement.**	The Description of the parameter " HDD bays" for Rack Server to be reads as "HDD bays supporting SAS, SATA, SSD and SED(optional) Drives"
10	BMG INFORMATICS PVT LTD	Internal DVD-ROM drive **Internal or External DVD ROM Drive.**	The Description of the parameter " Optical Drive" for Rack Server to be reads as "Internal/External DVD-ROM drive". Similar queries made by the other bidders also stand decided accordingly.
11	BMG INFORMATICS PVT LTD	7 x PCIe Gen3 slots **Request you to change this to "Minimum 2 x PCI Gen3 slots."**	The Description of the parameter " I/O slots" for Rack Server to be reads as "Minimum 3 x PCIe Gen3 slots".
12	BMG INFORMATICS PVT LTD	5 USB 2.0 ports(2 each on rear and front, 1 internal), 1 Serial, keyboard, mouse, graphics (DB-15) **Minimum 3 USB 2.0 ports, graphics (DB-15 VGA port)**	The Description of the parameter " Ports" for Rack Server to be reads as "Minimum 3 USB 2.0/3.0 ports, 1 Serial port, Graphics (DB-15 VGA port)".
13	BMG INFORMATICS PVT LTD	Rack Server:- 2 x Intel Xeon E5-2640 v3	The Description of the parameter " Processors" for Rack Server – Backup

		2.6GHz,20M Cache,8.00GT/s QPI,Turbo,HT,8C/16T (90W) Max Mem1866MHz		server to be reads as "Minimum 2 x Intel Xeon E5-2630v4 , 2.2 GHz, 25 MB Cache memory, 8.00 GT/s QPI, Turbo, Hyper Threading , 10 Core (85W) Max."
		Kindly Change to 1 x E5-2640v4 CPU which is latest generation processor/2.4 GHz, 25 MB Cache memory,8.00 GT/s QPI, Turbo, Hyper Threading ,10 CORE /20 Threads (90W) Max		Similar queries made by the other bidders also stand decided accordingly.
14	BMG INFORMATICS PVT LTD	RAM (min/max): 32 GB upgradable to 384GB DDR-3 ECC RDIMM RAM		The Description of the parameter " Memory" for Rack Server – Backup server to be reads as "Minimum 32 GB upgradable to min/max 384GB DDR-3 ECC RDIMM or higher"
		RAM (min/max): 32 GB upgradable to 384GB DDR-4 ECC RDIMM RAM.		
15	BMG INFORMATICS PVT LTD	2 x 600 GB 2.5" SAS ,10K rpm - upgradeable Up to 16 Nos. 2.5" HDDs		The Description of the parameter " Hard Disk Drives" for Rack Server – Backup server to be reads as "minimum 2 x 600 GB 2.5" SAS ,10K RPM - upgradeable Up to minimum 8 Nos. 2.5" HDDs".
		2 x 600 GB 2.5" SAS ,10K rpm - upgradeable Up to 8 Nos. 2.5" HDDs.		Similar queries made by the other bidders also stand decided accordingly.
16	BMG INFORMATICS PVT LTD	HDD bays supporting SAS, SATA, SSD and SED drives		The Description of the parameter " HDD bays" for Rack Server – Backup server to be reads as HDD bays supporting SAS, SATA, SSD and SED (Optional) Drives"
		Please remove SED drives as the same is not a standard requirement.		
17	BMG INFORMATICS PVT LTD	5 USB 2.0 ports(2 each on rear and front, 1 internal), 1 Serial, keyboard, mouse, graphics (DB-15)		The Description of the parameter " Ports" for Rack Server- Backup Server to be reads as "Minimum 3 USB 2.0/3.0 ports, 1 Serial port, Graphics (DB-15 VGA port)".
		Minimum 3 USB 2.0 ports, graphics (DB-15)		
18	BMG INFORMATICS PVT LTD	Microsoft Windows Server2012 R2, Microsoft® Windows® HPC Server 2008, Novell SUSE Linux Enterprise Server, Red Hat Enterprise Linux, Sun Solaris, Microsoft® Windows Server® 2008 Hyper-V, VMware® ESXi		The Description of the parameter "Industry standard certifications" for Rack Server- Backup Server to be reads as "Microsoft Windows Server 2012 R2, Microsoft Windows HPC server 2008, Novell SUSE Linux Enterprise Server, Red Hat enterprise

		Version 4.1, Citrix® XenServer 5 FCC, UL, ROHS **Microsoft Windows Server2012 R2, SUSE Linux Enterprise Server, Red Hat Enterprise Linux, Vmware, FCC, UL, ROHS - Request you to consider standard and current version certifications as suggested.**	Linux, Microsoft Windows Server 2008 Hypoer -V , VMWare ESXi Version 4.1, Citrix XenServer 5, FCC, UL, ROHS" Similar queries made by the other bidders also stand decided accordingly.
19	BMG INFORMATICS PVT LTD	Storage: - The array should support the following spindles: 300GB, 600GB, 900 GB, 1.2TB or above; 10K/ 15K RPM 1TB, 2TB, 3TB & 4TB 7K RPM NL SAS. It should support SLC and MLC / eMLC SSD drives. Mix and match of different type of spindles should be supported behind the same pair of controllers. The array should support the following spindles: 300GB 10k/15K, 600GB 10K/15K, 1.2TB or above 10KRPM, 2TB, 4TB, 6TB, 8TB 7.2K RPM NL SAS. It should support SLC/MLC / eMLC / cMLC SSD drives. Mix and match of different type of spindles should be supported behind the same pair of controllers. - **Availability of HDD is not same for all OEMS, Request you to amend for wider participation.**	The Description of the parameter "Spindle Flexibility" for Storage SAN be reads as "The array should support the following spindles: 300GB 10k/15K, 600GB 10K/15K, 900GB 10k/15k, 1.2TB or above 10KRPM, minimum 1TB, 2TB, 3TB, 4TB - min 7K RPM NL SAS. It should support SLC/MLC/eMLC /cMLC SSD drives."
20	BMG INFORMATICS PVT LTD	The array should be equipped with N+N(with minimum of 2 array controllers) Nos. of array controllers for better performance redundancy. **The array should be equipped with minimum of 2 array controllers for better performance redundancy.- Requirement is for dual controller, therefore request you to change the specification to remove any ambiguity on**	The Description of the parameter " Array Architecture" for Storage SAN to be reads as "The array should have Redundant Controllers (with minimum of 2 array controllers) 2 Nos. of array controllers for better performance redundancy"

		number of controllers	
21	BMG INFORMATICS PVT LTD	The storage system should be provided with 16GB Cache Memory. **Request To opt for Atleast 32GB per controller for Good performance.**	The Description of the parameter " Array Architecture" for Storage SAN to be reads as "The storage system should be provided with 32GB Cache Memory(16 GB Cache per controller)"
22	BMG INFORMATICS PVT LTD	The storage system should support minimum 8 x 8Gbps FC Ports, 2 x 10Gb iSCSI Ports without performing any controller upgrades. The storage system should support minimum 4 x 16Gbps FC Ports, 2 x 10Gb iSCSI Ports without performing any controller upgrades - **"16Gbps is latest and current generation with longer support matrix and need to be adapted. SAN switch is already included in the Solution therefore, Min 4 Nos. 16 Gbpc FC ports are sufficient)."**	The condition stands. Similar queries made by the other bidders also stand decided accordingly.
23	BMG INFORMATICS PVT LTD	The storage system should support minimum 4 x 6Gbps back-end each of 6 Gbps or above without performing any controller upgrades **The storage system should support minimum 4 x 12Gbps back-end per controller, each of 12 Gbps without performing any controller upgrades.**	The condition stands. Similar queries made by the other bidders also stand decided accordingly.
24	BMG INFORMATICS PVT LTD	Storage capacity:- 10TB Usable Capacity SAS 12Gb, 10K, 2.5", HDD **"Please mention the drive capacity. Kindly choose the Hard disk Volume Example, 600 GB/ 1.2 TB/1.8TB "-"Performance of 10TB storage with 600GB 10K drive and 10TB of storage with 1.8 TB drive is not same. Therefore it is better to mention**	The Description of the parameter " Storage capacity" for Storage SAN to be reads as "10TB Usable Capacity SAS 12Gb, 10K, 2.5", HDD using 600 GB or more capacity Hard Disk Drives."

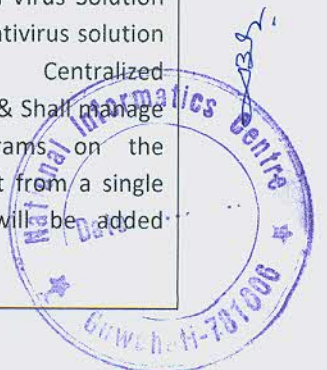|		drive types."	
25	BMG INFORMATICS PVT LTD	The array should be scalable to a minimum of 160 disks of the offered configuration of the disk count behind the same controller pair by adding the appropriate number of spindles and disk shelves **Should support more than 200 drives for the scalability. 160 No of drives is very low in comparison to require no of drives.**	The condition stands. Similar queries made by the other bidders also stand decided accordingly.
26	BMG INFORMATICS PVT LTD	Must support data-in-place upgrade of existing storage controllers to a future generation controller. **Please remove this point- Not every OEM does it**	The condition stands. Similar queries made by the other bidders also stand decided accordingly.
27	BMG INFORMATICS PVT LTD	2 No's of 24 Ports 8 GBPs SAN Switch, minimum 8 ports Active with necessary connectors, cables etc. **2 No of 24 Ports 16 GBPs SAN Switch, minimum 12 ports Active with necessary connectors, cables etc. with RPS - Request you to opt for latest 16 Gbps switch.**	The Description of the parameter " SAN Switches (Rack Mountable)" for Storage SAN to be reads as "2 No's of 24 Ports min 8 GBPs SAN Switch, minimum 8 ports Active with necessary connectors, cables etc."
28	BMG INFORMATICS PVT LTD	NFS, CIFS, Rapid NFS, Rapid CIFS, OST, RDA, NDMP, iSCSI **Please remove Rapid CIFS, Rapid NFS and RDA as these are OEM proprietary features.**	The Description of the parameter " Storage Capacity" for DISK-BACK-DEVICE to be reads as "NFS, CIFS, , OST, , NDMP, iSCSI " Similar queries made by the other bidders also stand decided accordingly.
29	BMG INFORMATICS PVT LTD	minimum 2 port 10GbE & 2 port 1GbE **Minimum 2 port 1GbE and 2 port of 8 Gb FC. FC ports are required to connect the backup device to SAN switch and take LAN free**	The condition stands. Similar queries made by the other bidders also stand decided accordingly.

		backup.		
30	BMG INFORMATICS PVT LTD	The Storage should be offered with 4.5 TB storage capacities and should be upgradable to 27 TB using expansion shelf. **The Disk To Disk Back up Appliance should be offered with 30 TB storage capacity and should be upgradable to 150 TB using expansion shelf and disc drives. - "In backup device multiple copies of data to be kept, also storage is asked with 10 TB capacity. Therefore request to amend the Disk to Disk Back up Device capacity requirement up to at least 3 Times of the Storage Capacity .(3 * 10 TB= 30 TB)"**	The Description of the parameter " Storage Capacity" for DISK-BACK-DEVICE to be reads as "The Storage should be offered with Minimum 4 TB storage Capacity and should be upgradable to min/max 25 TB using expansion shelf."	
31	BMG INFORMATICS PVT LTD	Maximum throughput- 21 TB/hr with Rapid protocols 6. **21 TB/hr - Rapid protocol is OEM proprietary**	The Description of the parameter " Maximum throughput" for DISK-BACK-DEVICE to be reads as "Maximum throughput- 21 TB/hr."	
32	BMG INFORMATICS PVT LTD	CommVault Simpana; Veritas Backup Exec; and NetBackup; ARCserve; EMC Networker; Microsoft Data Protection Manager; Veeam; IBM TSM; Dell AppAssure , NetVault Backup, vRangerOracle RMAN; HP Data Protector **Please remove Dell App Asure and Veeam.**	The Description of the parameter " Certified Backup Server " for DISK-BACK-DEVICE to be reads as CommVault Simpana; Veritas Backup Exec; and NetBackup; ARCserve; EMC Networker; Microsoft Data Protection Manager; IBM TSM; Dell AppAssure , NetVault Backup, vRangerOracle RMAN; HP Data Protector". (The Backup Device certification for backup software to be quoted is must)	
33	BMG INFORMATICS PVT LTD	The Antivirus solution Should have a Centralized Management Console & Shall manage the anti-virus programs on the network from a single web-based console. Kindly Remove web based consol.	The parameter at Anti-Virus Solution to be reads as "The Antivirus solution Should have a Centralized Management Console & Shall manage the anti-virus programs on the network. Management from a single web-based console will be added advantage (optional)"	

34	BMG INFORMATICS PVT LTD	"Solution should have file antivirus with following technologies a) Signature based analyes. b) heuristic based analyses. c) iSwift & ichecker based scaning." **Kindly Remove point (c) iSwift & ichecker based scaning**	The parameter at Anti-Virus Solution to be reads as "The Antivirus solution Should have a Solution should have file antivirus with following technologies a) Signature based analyse. b) Heuristic based analyses. "
35	BMG INFORMATICS PVT LTD	Solution should provide a web console feature that works via a browser (The websole should be used for creating reports and performing simple operations with computers i.e viewing the status, relocating, Installing Antivirus Kindly Remove web based console.	The parameter at Anti-Virus Solution to be reads as "Solution should provide a feature that works via a browser"
36	BMG INFORMATICS PVT LTD	Solution should provide Mobile device security & Mobile device Management (MDM) feature & it should supports Active Directory, Microsoft Exchange Active Sync and Apple MDM Server. **Yes for all, except Apple MDM server. Please remove Apple MDM server.**	The parameter at Anti-Virus Solution to be reads as "Solution should provide Mobile device security & Mobile device Management (MDM) feature & it should support Active Directory, Microsoft Exchange Active Sync."
37	BMG INFORMATICS PVT LTD	16 Mb or above **We request for 9 MB Packet Buffer Memory, This for holding the additional data in processing queues. Large packet buffer memory does not mean better performance. As switch should do data processing at wired speed, if large amount of data is held in packet buffer it will result in delay of data delivery. We support optimized packet buffer so that switch can do data delivery at wired speed without introducing delay.**	The parameter at 10Gb Ethernet Switch to be reads as "Minimum 8 MB or above"
38	Converge Systems & Services Pvt. Ltd.	Hot plug and redundant fans	The Description of the parameter " Cooling " for Rack Server to be reads

		Sufficient fans for Cooling the Server	as "Sufficient fans for Cooling the Server"
39	Lenovo India Pvt. Ltd.	Power supplies - Redundant Platinum rated efficient Power Supply (at least 750 Watts each) to sustain above configuration. Power Supply with 80+ Gold certified for better utilization. **Requested to change it to 550W PSU - As per industry standard**	The parameter at Rack Server : Backup Server to be reads as Power supplies - Redundant Platinum rated efficient Power Supply (at least 550 Watts each) to sustain above configuration. Power Supply with 80+ Gold certified for better utilization. Similar queries made by the other bidders also stand decided accordingly.
40		Anti-Virus Solution	The parameter at Antivirus Solution to be reads as "Anti-Virus Solution - Qty -5 with 10 Client " to be read as " Anti-Virus Solution for Server - Qty -5
41	BMG INFORMATICS PVT LTD	Evaluation Matrix:- Sl. No. 2.2 to be reads as i. B.E/ B.Tech. Engineers/ B.SC Graduate/ MCA- 2-5 nos. (CV needs to be enclosed with the bid) ii. B.E/ B.Tech. Engineers/ B.SC Graduate/ MCA- 6-10 nos. (CV of Engg. needs to be enclosed with the bid)	

- The Last date and time for purchase of Tender documents is extended up to 12.08.2016 (3:00 pm)

- The Last date & Time for submission of Bids is extended up to 12.08.2016 (4:00 pm).

- All other terms & condition in the document as issued & notified will remain the same.

- The decision as above will be uploaded & also sent by mail to the prospective bidder for their guidance and information of all other concerned.

(Dipak Kumar Sarma)
Chief Executive Officer
Assam State Disaster Management Authority (ASDMA)