

## Technical Specifications for a MIDDLE END Server System

Item	Minimum Specification	Bidders Compliance	
		Yes/ No	If “No” indicate your offer
Brand /Model	(Specify)		
Country of Origin	(Specify)		
Country of Manufacture / Assembled	(Specify)		
Year of Manufacture	(Specify)		
Rack Mountable	Required, 2U or less		
Processor	1 x Intel Xeon- E5- 24xx v2 Series or better		
Processor speed	2.4GHz		
Processor Cores	6 or higher		
L3 Cache	15 MB or higher/Processor		
RAM Speed	1333MHz		
RAM Installed	16GB RDIMMs with ECC		
RAM Expandability	Up to 128 GB		
Optical Drive	16X DVD ROM		
Hard Drives	2 x SFF Hot-Plug SAS HDDs 6G 10K, 450GB or higher		

Hard Drive Cage (Expandability)	Minimum 8 SFF HDD's (All cages should be installed with cage blank covers)		
Array Controller	Support RAID Level 0/0+1/1/5 With 256MB of Flash Backed Write Cache		
Network Interfaces	Minimum 4 x 10/100/1000Base T		
USB Ports	Minimum 4 (2 front, 2 back)		
Remote Management	Dedicated remote administration port (NIC) with server console access		
Power supply	Dual Redundant power supplies (2) 110 to 240 V, 50/60 Hz		
Fans	Full Redundant System Fans		
Operating System	Latest version Cent OS, 64 bit		
Installation and Configuration	Should install and configure <b>Cent OS</b> as the server operating system.  Should provide on-site hands-on training for 2 personnel nominated by the purchaser regarding installation and troubleshooting		
Expansion slot	2 PCIe		
Accessories	Rack mounting kit, Cable management arm, Power and Network Cables		
Warranty	3 years comprehensive on-site manufacturer authorized warranty (including labor, parts and configuration support). Replacement backup server with same or better configurations need to be provided during the repairs.		

**Note: Broacher should be attached**