

Revised (after the pre-bid meeting dated 06/06/2011) specification of Server Computers to be purchased by the West Bengal Pollution Control Board through **NATIONAL COMPETITIVE BIDDING FOR THE SUPPLY OF NETWORK SERVERS AND PERIPHERALS (NCB No: 004/G/WBPCB/WB-CBIPMP)**.

| Parameter | Server Specification of Bid Document | Revised Server Specification after pre-bid meeting dated 06 June 2011 |
|----------------------------------|--|--|
| Processor | Intel® Xeon® X5500 series processor with Intel® QuickPath Interconnect (QPI) technology, at least 2.9 GHz and at least 1300 MHz front-side bus | Intel® Xeon® X5600 series processor with Intel® QuickPath Interconnect (QPI) technology, at least 2.9 GHz and at least 1300 MHz front-side bus |
| Number of processors (std / max) | 1 / 2 (offer should include both options) | 1 / 2 (offer should include both options) |
| Cache | 8 MB or more | 8 MB or more |
| RAM (DDR3) | 16 slots to be provided, each capable of harboring 8 GB RAM with up to 128 GB expandability. Option to be provided for 16 & 24 GB RAM containing units | 16 slots to be provided, each capable of harboring 8 GB RAM with up to 128 GB expandability. Option to be provided for 16 & 24 GB RAM containing units |
| Expansion slots (I/O) | 4 PCI-Express (4x8) Gen 2 slots: 2x8 full-length, full-height; 1x8 half-length, full-height; 1x8 low-profile. 4x8 convertible to 2x16 via optional risers. Also, 2x PCI-X via optional risers. | Option – 1 1. PCI Express 2 no. (at least) version 2 or higher 2. PCI 64 bit – 1 no. (at least) 3. PCI 32 bit - 1 no. (at least) 4. USB – 4 no. (at least) or Option – 2 1. PCI Express 2 no. (at least) version 2 or higher 2. PCI 64 bit and 32 bit dual slot – 2 no. (at least) 3. USB – 4 no.(at least) |
| Disk bays (total/hot-swap) | Up to twelve 2.5" hot-swap Serial Attached SCSI (SAS)/Serial ATA (SATA) HDDs or solid state drives (SSDs) | At least eight 2.5" hot-swap Serial Attached SCSI (SAS)/Serial ATA (SATA) HDDs or solid state drives (SSDs) |
| Expansion bays (total) | At least 10 bays with 6 nos. 3.5" slim high hot swap drive bays | Deleted |
| Slots | At least 5 expansion slots with at least 3 64 bit PCI slots | Deleted |
| Internal Storage | Option 1. Two 120 GB Hot Swap HDD, serial SCSI Option 2. 2 X (Two 120 GB Hot Swap HDD, | Option 1. Two 120 GB Hot Swap HDD, serial SCSI Option 2. 2 X (Two 120 GB Hot Swap HDD, |

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|--------------------------|---|---|
| | <i>serial SCSI)</i> | <i>serial SCSI)</i> |
| Network interface | 2 ports integrated, plus 2 ports optional for Gigabit Ethernet | 2 ports integrated, plus 2 ports optional for Gigabit Ethernet |
| Power supply | 2 numbers, each at least 650 watt | 2 numbers, each at least 650 watt |
| Hot-swap components | Power supplies & Discs | Power supplies & Discs |
| RAID support | Hardware RAID-0, -1, | Hardware RAID-0, -1, |
| <i>Graphics</i> | <i>SVGA controller with 8 MB VODEO memory</i> | <i>SVGA controller with 8 MB VODEO memory</i> |
| <i>System management</i> | <i>Virtual Media Key for optional remote monitoring, Predictive Failure Analysis, Integrated Service Processor, Diagnostic LEDs, light path diagnostics panel (optional), Automatic Server Restart from power failure. System management processor with built in alerts for critical components like processor, voltage regulator, memory, fans, power supply etc..</i> | <i>Virtual Media Key for optional remote monitoring, Predictive Failure Analysis, Integrated Service Processor, Diagnostic LEDs, light path diagnostics panel (optional), Automatic Server Restart from power failure. System management processor with built in alerts for critical components like processor, voltage regulator, memory, fans, power supply etc..</i> |
| <i>Software</i> | <i>Advanced server management software to handle parameters like temperature, voltage, fan speed etc..</i> | <i>Advanced server management software to handle parameters like temperature, voltage, fan speed etc..</i> |
| <i>Form factor</i> | <i>2U; rack mounted</i> | <i>2U; rack mounted</i> |
| <i>DVD-ROM</i> | <i>One</i> | <i>One</i> |
| <i>Warranty</i> | <i>5 Years comprehensive onsite warranty.</i> | 3 years from the date of shipping |
| <i>Operating System</i> | <i>Latest Linux server module at the time of supply</i> | Non enterprise version of any flavour of LINUX server operating system is required. |
| <i>Rack</i> | 42U Rack suitable to mount above specified seven servers with cooling system and power adapters, cablings etc. | One 42U and one 9U Rack suitable to mount above specified servers with cooling system and power adapters, cablings etc. |
| <i>Switch</i> | KVM or Local Console Management Switch : 1U or 0U mountable minimum 2 user 16 port switch with display/mouse/keyboard compatible with above specified server(s) and rack. | KVM or Local Console Management Switch : 1U or 0U mountable minimum 2 user 16 port switch with display/mouse/keyboard compatible with above specified server(s) and rack. |