EDP-PHW/eAuction/Bodi/2015   13th October , 2015

SUPPLY , INSTALLATION OF SERVERS, CLIENT COMPUTERS AND

NETWORKING

Sealed quotations are invited for supply , installation of Servers client computers and networking e-auction center, Bodinayakanur, Theni District (Tamilnadu) as per the requirement and specification given in Annexure - I and subject to terms and conditions given in Annexure-II.

The quotations, addressed to the Dy. Director(EDP), Spices Board, Cochin-25, should reach EDP Dept. of the Board latest by 5.00 PM on 04.11.2015. The quotations will be opened at 11.00AM on 06.11.2015 in the presence of available vendors. The sealed cover containing the quotation shall be superscribed as "Quotation for Servers and Accessories due on 04.11.2015 (EDP Dept)". As per normal payment terms of the Board, 50% of the payment will be released on delivery of items subject to inspection and the balance on successful installation of the items. Spices Board has no 'C'/'D' forms. The Board reserves its right to reject any or all quotations without assigning any reason thereof.

Deputy Director(EDP)

Technical Specification

A. Server Computer

Feature	Specification
Chassis	4U Rack Mountable
CPU	4 x E7-4820 v3 1.9GHz,25M Cache,6.4GT/s QPI,No Turbo,HT,10C/20T (115W) Max Mem 1867 MHz
Motherboard	"Support for at least 4 Processors on the Motherboard"
Cache	"25 MB L3 cache or better"
Chipset	"Support for at least 4 Processors on the Motherboard"
Memory	128 GB (8 X 16GB) RDIMM, 2133 MT/s, Dual Rank, x4 Data Width (96 DIMM slots): 8GB/16GB/32GB/DDR4, RDIMM, LR-DIMM up 1866MT/s
Memory Protection	"Advanced ECC with Online Spare"
Hard Disk Drive	4 x 600GB 15K RPM SAS 6Gbps 2.5in Hot-plug Hard Drive
Hard drives	2.5" Chassis with up to 24 Hard Drives
Drive bays	Up to 24 2.5" hot-plug 12Gb/6Gb SAS HDD or SAS/SATA SSD Up to 8 front-accessible Express Flash NVMe PCIe SSD (PCIe 3.0)
Storage Controller	RAID Controller, 2GB NV Cache, Support RAID Levels 0,1,5,6,10,50,60
Networking	4 X 1Gb Network Daughter Card
Power Supply	2+2 Power Supply, Redundant Configuration, 1100W
Fans	Redundant fans
I/O Ports	Up to 10 PCIe Gen3 slots + 1 RAID slot + 1 NDC slot
Optical Device	DVD ROM, SATA, INTERNAL
Operating System Supported	Microsoft® Windows Server® 2012 R2 (includes Hyper-V®) Microsoft Windows Server 2012 (includes Hyper-V) Novell® SUSE® Linux Enterprise Server Red Hat® Enterprise Linux® VMware vSphere® ESXi™
"Industry Standard Compliance"	"ACPI 2.0 Compliant, PCIe 3.0 Compliant, USB 2.0 Support"
Warranty	5-year On Site Warranty

B.Client Computer

Feature	Specification
Micro	
CPU	4th Generation Intel® Core™ i3-4160T Processor (Dual Core, 3M Cache, 3.10 GHz)
Motherboard	OEM Motherboard Should have OEM logo embossed, no sticker
Cache	"25 MB L3 cache or better"
Chipset	Intel H81 Chipset or higher
Memory	4GB (1x4GB) DDR3 1600MHz expandable upto 16GB with 2 DIMM slots
Graphics	Intel Integrated Graphics
Hard Disk Drive	500GB 7200 RPM HDD
Networking	Integrated 10/100/1000 Mbps ethernet controller with PXE and WOL support
I/O Ports	2 external USB 3.0 ports (1 front, 1 rear) and 4 external USB 2.0 ports (1 front, 3 rear); 1 RJ-45; 1 VGA/ 1 DisplayPort 1.2, 1 Mic-in
Power Supply	65W External Power Adaptor
Monitor	18.5inch wide LED Backlit monitor min 1366 x768 resolution
Keyboard	104Keys USB Keyboard (same make as PC)
Mouse	2 Button USB Optical Mouse (same make as PC)
Operating System	Windows 7 Professional 64 Bit. Should be Windows 10 ready VMware vSphere® ESXi™
Security	TPM 1.2 Chip integrated on MB for encryption, Chassis Lock Slot/Pad lock loop
Management / Diagnostic Features	BIOS diagnostic tool, in-band system management, HDD Pre-Failure alert
Recovery Software	OEM system recovery tool
Regulatory Certifications	FCC,UL , Energy Star, ROHS, Windows, Ubuntu Linux, EPEAT GOLD
Warranty	5-year On Site Warranty

C. Network Specification and labour cost

Sl. No.	Particulars	Approx. Qty	Unit rate	Per
	Materials List			
1	48 Port unmanaged Switch 10/100/1000	3		Nos
2	Cat 6 24 fully loaded patch panel	4		Nos
3	Cat 6 1mtr patch chord	100		Nos
4	Cat 6 2mt patch chord	100		Nos
5	Cat 6 UTP Cable	actual		Metre
6	Cat 6 information Outlet	75		Nos
7	single Face plate	75		Nos
8	Back Box	75		Nos
9	1.5 Inch Cassing Capping	Actual		Mtr
10	1 Inch Cassing Capping	Actual		Mtr
11	1/2 Inch Cassing Capping	Actual		Mtr
12	3/4 Inch Cassing Capping	Actual		Mtr
13	42 U Rack	1		Nos
	INSTALLATION CHARGES			
14	Cat 6 UTP Cable laying through with PVC Conduits with fittings, IO termination, Box & face plate fixing , Patch code connecting ,patch panel termination ,Rack fixing & dressing ,Switch fixing , Network testing & checking		1000	Mtr
15	Scanning & documentation		43	Node

Sl.No 2 24 Port UTP Patch Panel

Specifications Item-wise	Specification of Item Offered	Compliance to Specification - Yes/No	Remarks
• Standards : ETL Verified and CAT 6 Component Compliance.			
• Rear Cable Manager : Metal Rear Cable Manager with Perforations should be supplied along with the panel			
• Material : Cold rolled steel			
• Coating : Powder Coating			
• Dust Cover on the I.O: To avoid dust contaminants. Spring Loaded Shutter Patented			
• Wire Accommodation : 22-24 AWG			
• Plastic Housing : Polycarbonate,UL 94V-0 rated			
• Compatibility: Individually removable RJ 45 Port and compatible with STP,Fibre & Coax.			
• Jack Contact Plating : 50 Micron			
• Gold/100 Micron Gold			
• RJ 11 & RJ 12 Compatible			
• UL Listed			
• ROHS Compliant			
• 10 Years Warranty			

Sl.No 3&4 CAT 6 Patch Cord

Specifications Item-wise	Specification of Item Offered	Compliance to Specification - Yes/No	Remarks
• Standards: Should meet or exceed TIA/EIA 568B, ISO Category 6 Performance Requirements.			
• Jacket : Low Smoke Zero Halogen Sheath (LSZH), Its should have star separator			
• Boots : Transparent Boot			
• 4 Pair 24 AWG stranded copper wire with star separator			
• Bend radius : 4 X O.D			
• Operating Temperature : -20 ° C to 60° C			
• Compatible for 568 A & 568 B wiring			
• Fire Propagation test : CSA FT1,IEC 60332-1,IEC61034			
• Operating Life : 750 Mating Cycles			
Length : 1 Mtr/2 Mtr/3 Mtr/5 Mtr/10 Mtr/20 Mtr			
• UL Listed & ETL Verified			
• Standards : CAT 6- TIA-568-C.2,ISO/IEC 11801:2002			
• ROHS Compliant			
• 25 Years Warranty			

Sl.No 5 Cat 6 UTP Copper cable

Specifications Item-wise	Specification of Item Offered	Compliance to Specification - Yes/No	Remarks
• 23 AWG Annealed bare solid copper, CAT-6 UTP Cable		YES	
• PAIRS Color code: Blue / White-Blue, Orange / White-Orange Green / White-Green, Brown / White – Brown		YES	
• Type Of Conductors: 4 pair 23 AWG Conductors and star separator.		YES	
• Cable Pull Tension Thread & FR Grade PVC		YES	
• Jacket : Fire Retardant PVC		YES	
• Frequency : Characterized to 600 MHz		YES	
• Standard length: 305 Mtrs (1000 ft.)		YES	
Standards: UL Listed,ETL Tested & Verified		YES	
Gigabit Requirements': Should meet or exceed Gigabit Ethernet requirements at 100 Mtrs.		YES	
Insulation : Polyethylene		YES	
Jacket : Flame Retardant PVC		YES	
erformance Characteristics- Category 6 EIA/TIA 568.C.2		YES	
ETL Verified up to 400 MHz		YES	
ROHS Complaint		YES	
25 years Warranty		YES	

Sl.No 6 CAT 6 RJ45 Information Outlet

Specifications Item-wise	Specification of Item Offered	Compliance to Specification - Yes/No	Remarks
• Contact Material : Copper Alloy			
• Contact Plating : 50 Micron Gold/100 micron Nickel			
Dust Cover :To avoid dust contaminants and to prevent incompletely plugged patch cord, Spring Loaded Shutter inside the information outlet patented. IDV V shaped is patented			
Plastic Housing :Polycarbonate UL94V-0 Rated			
Termination Cap : Has to be provided at rear of the Information Outlet.			
Compatibility : Should be compatible with 24 port patch panel,RJ 11 & RJ 12			
Operating Cycle : Minimum 750 Insertion Cycles			
Standards : ETL Verified for CAT 6 Compliance			
ISO 11801 Class E Compliant			
EIA/TIA 568.C.2-Componnet Compliant			
RJ 11 & RJ 12 Compatible			
Wire Accommodation : 22-24 AWG			
UL Listed			
ROHS complaint			
10 Years Warranty			

Sl.No 7 Face Plate

Specifications Item-wise	Specification of Item Offered	Compliance to Specification - Yes/No	Remarks
Type : British Style Standard Face Plate			
Dimensions : 86 mm X 86 mm			
Material : VE10ABS			
Compatible For UTP & STP			
Labeling Facility(Data voice, Fax, Video)			
10 Years Warranty			
ROHS Complaint			

Sl.No 13 Specification for Server Racks

Server Racks / Cabinets	42U Standard 19" Vented Rear Door Glass Front Door
Color	Black
	19" Adopter kit / Loops
Door	Side Panels/1000/42U/Vented/NRS Top and bottom removable cable slots Removable/lockable side panels
Server Rack Top Fans	Fan Module/4Fan/Tower Mount/360CFM
Rack Shelving	Shelf/1000
Power Distribution Units	2* 1Ph, 230V, 32A, Zero U standard Vertcal rack mount power distribution unit with 12 X Indian Round Pin 5/15A, (Inlet Plug Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits- PDU Rating 7.3KVA
Vertical Cable Management	2* Vertical cable management with flexible "finger"
	Mounting Hardware-CR (Pack of 20)

TERMS & CONDITIONS

A. Hardware/Item Terms and Conditions

1. The OEM should be ISO 9001:2008, ISO/TS : 16949:2009 and ISO 14001:2004Certified
2. NO Second Line Product of Any OEM's Brand Should be quoted
3. The Vendor should quote the OEM's first level of product
4. UTP CABLING Solution should be ETL Verified for CAT 6 Component Compliance Certified and Zero Bit Error Compliant
5. OEM Should have direct presence in India for 7 - 10 Years
6. Five Years Product availability support from OEM

B. Special Conditions

1. Pre-Bid meeting will be held at 10.30 am , on 26th October ,2015 (Monday) in the Board Room of the Spices Board where the vendors who are interested to bid should attend without fail

2. The officials from the Board and the representative of the Builder of the Site at Bodinayakanur will also attend the pre-bid meeting to provide information on the site, design, seating arrangements, power and network cabling arrangements and all other related matters

3. The bidders can clear all their doubts on the tender specification and related matters in the pre-bid Meeting.

4. The tenders which are not as per the specifications and as per the decisions arrived in the pre-bid meeting will be totally rejected.

C. General Terms & Condition

1. The vendor should have minimum 5 years of experience in the relevant field.
2. The Vendor should visit the site at Bodinayakanur and submit the server,client and network installation diagram alongwith the tender.

3. The vendor shall configure RAID and run the Server successfully with the relevant OS and required Drivers so as to suit the software application and run it successfully .

4. During the Warranty period, the vendor should provide on site support and attend the breakdowns within 8 hours of reporting the breakdowns.

5. Make/Brand name of Hardware shall be specified

6. The tender shall be submitted in the Tender Format given .

7. The equipments shall be supplied from a factory with ISO certification in manufacture of the respective equipments.
8. Proposal shall include documents to prove quality of products, service support and technical competence

9. The offer shall include delivery time, validity of quotation, warranty period.

10. Offers which are incomplete in terms of scope, items or specifications or required details will not be considered and such tenders are liable to be rejected forthwith.

11. The supplier has to ensure availability of spares and service support for a period of 5 years

12. The offer shall include delivery time, validity of quotation, warranty period and AMC rate for post- warranty period. Warranty/AMC cost for a total period of 5 years shall be quoted to cover all costs including labour, on site service and replacement of parts and software upgradation

13. List of items not covered under Warranty/AMC should be specified.

14. AMC shall include onsite troubleshooting of network issues and resolution.

15. The tender will be considered by taking into consideration the cost of maintaining the cost of hardware and software for Five years from the date of installation (Inclusive of warranty period)

16. The supply and installation of the servers shall be completed within 60 working days from the date of work order.

17. All the quantity and measurements mentioned in the BOM are approximate.

18. Please provide the data sheet for each device for the technical comparison.

19. Any other material and labour charges not mentioned above but required for successful commissioning of the proposed network must be specified in the quotation. Otherwise these will have to be provided by the vendor without any additional cost.

20. Vendor may visit the site before submitting the quotation after prior appointment.

21. Tender must quote price separately for each item and not on whole lot basis and price should be valid for a period of 90 days or more from the closing date of tender.

22. The Proposal for Supplies or Services must clearly include all costs. The cost should include the following but not limited to:

    a. Hardware Cost
    b. Maintenance Cost
    c. Installation Cost
    d. Training Cost

Tender Format

Sl. No.	Particulars	Item/Model Name	Approx. Qty	Unit rate	Per
1	Server		1		Nos
2	Servers at Spices Board , Sugandha Bhavan, Palarivattom, Cochin, Kerala		2		Nos
3	Client Computer – Micro		75		Nos
4	48 Port unmanaged Switch 10/100/1000		3		Nos
5	Cat 6 24 fully loaded patch panel		4		Nos
6	Cat 6 1mtr patch chord		100		Nos
7	Cat 6 2mt patch chord		100		Nos
8	Cat 6 UTP Cable		actual		Metre
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14	1/2 Inch Cassing Capping		Actual		Mtr
15	3/4 Inch Cassing Capping		Actual		Mtr
16	42 U Rack		1		Nos
INSTALLATION CHARGES					
17	Cat 6 UTP Cable laying through with PVC Conduits with fittings, IO termination, Box & face plate fixing , Patch code connecting ,patch panel termination , Rack fixing & dressing ,Switch fixing , Network testing & checking		1000		Mtr
18	Scanning & documentation				Nos
19	AMC rate after warranty				
20	Other charges if any (Materials /Labour) . Individual items shall be mentioned.				

Note:The item except mentioned at serial no. 2 Servers will be supplied and installed at Common eAuction Centre, Bodinayakanur