

NOTE

1. LAST DATE OF RECEIPT OF SEALED QUOTATIONS : EXTENDED TILL 3 PM OF 03.01.2011
2. COMMERCIAL TERM AND CONDITIONS IS MODIFIED
3. TECHNICAL SPECIFICATION FOR BACKUP DEVICE FOR SERVER IS MODIFIED
4. TECHNICAL SPECIFICATION FOR GIGABIT NETWORK SWITCH IS MODIFIED
5. FORMAT FOR TECHNICAL SUPPORT FOR SERVER, WORKSTATION AND ACCESSORIES ARE MODIFIED



Institute of Physics

(An autonomous Research Institute of Dept. of Atomic Energy, Govt. of India)

**P.O: Sainik School, Bhubaneswar, Orissa- 751 005,
India**

GLOBAL TENDER NOTICE NO.: 05/2010-2011

Last date of receipt of the sealed quotations: Upto 3 P.M. of 24.12.2010

Sealed quotations are invited from leading manufacturers and / or their accredited associates for supply, installation, testing & commissioning of

1. **Server, rack mountable with backup storage Tape drive: – 01 Unit**
2. **Workstation, rack mountable:- 01 unit**
3. **42U Server rack with Accessories:-01 unit**
4. **8-Port KVM Switch:- 01 unit**
5. **16-Port gigabit network switch:- 01 unit**

Detailed technical specifications and other terms & conditions for supply of the above items/ equipments can be obtained by downloading the same from the Institute's official website: www.iopb.res.in . All quotations should be submitted in sealed envelopes in two parts separately, i.e. "Technical bid" (Part- A) & "Financial bid" (Part-B). Both the parts should be further sealed in an envelope super scribing the name of the Item. The price Bid of the only technically qualified bidders will be opened at a later date with prior intimation to the respective bidders.

The Institute reserves the right to accept or reject any or all quotations either in full or in part without assigning any reasons thereof.

DIRECTOR

Commercial Terms & Conditions: -

1. **Price:** - The price quoted should be FOR destination.
2. **Destination:** - The consignment should be sent to “The Director, Institute of Physics, P.O. Sainik School, Bhubaneswar-751005, INDIA” on freight to pay (payable in Indian Currency) basis.
3. **Delivery:** - Delivery of the consignment should be made within six weeks from the date of issue of the confirmed P.O.
4. ****Payment:** - 90% of the invoice value(100% Taxes) will be released on successful delivery, installation & commissioning of the systems at IOP, Bhubaneswar site & balance 10% will be released against submission of performance bank guaranty of equivalent amount(10%).
5. **Bank Guaranty:** - Performance Bank Guaranty (PBG) required to be issued by a Nationalized bank for equivalent amount (10% of the Invoice value excluding taxes) and should be valid for entire warranty period with one month claim lodgement period.
6. **Insurance:** - The transit Insurance of the consignment covering all risks and damages will be arranged by the Institute of Physics or its freight forwarder, duly authorized by the Institute.
7. **Warranty:** - The equipment should be warranted for a period of three years from the date of successful delivery / commissioning./installation at Institute's site. The necessary warranty certificate in this effect should be furnished along with the supply/ commissioning of the equipment. Spare parts in warranty period are required to be replaced on without any additional cost.
8. **Operational Manual:** - You are required to supply the operational manual of the equipment, circuitry diagrams etc. written in English only along with the consignment.
9. **Spare parts Manual:** - You are required to supply the operational manual of the equipment; circuitry diagrams etc. written in English only along with the consignment.
10. **Essential Spares/ consumables:** - Essential spares & Consumables along with the price list applicable for a period of 3/5/10 years are required to be supplied with the equipment & to be quoted separately.
11. **Agency Commission:** - No agency commission will be paid to any body / organization for this purchase.
12. **Banker:** - Our banker is Indian Overseas Bank, 121, New Station Square, Unit III, Bhubaneswar- 751001, INDIA. You are required to specify the Banking details such as A/c No, SWIFT code, Branch Code, name of the Bank etc. in order to release the payments.
13. **Service support:** -
14. **Preventive Maintenance:** -
15. **Annual Maintenance Contract**

DIRECTOR

PART - A

Format for Technical Bid

A. TECHNICAL SPECIFICATION FOR SERVER WITH BACKUP STORAGE TAPE DRIVE AND STORAGE MEDIA
Required Quantity : One Set

B. TECHNICAL SPECIFICATION FOR WORKSTATION
Required Quantity : Two Sets

C. TECHNICAL SPECIFICATION FOR Server Rack (42U)
Required Quantity : One Set

D. TECHNICAL SPECIFICATION FOR 8-Port KVM Switch
Required Quantity : One Set

E. TECHNICAL SPECIFICATION FOR Gigabit Network Switch
Required Quantity : One Set

F. TECHNICAL SUPPORT FOR Server, Workstations and Accessories

Name and Address of the Firm : (To be printed on the letter-head of the firm)

Letter No

Page No

Date

A. TECHNICAL SPECIFICATION FOR SERVER WITH BACKUP STORAGE TAPE DRIVE AND STORAGE MEDIA

Required Quantity : One Set

	Description	Compliance(Yes/No)	Deviations
1	Make (to be mentioned by firm) :		
2	Model (to be mentioned by firm) :		
3	Processor : 2 x Intel Xeon E7520, 4-Core, 1.866 GHz Clock Speed : 1.866 GHz , 4.80 GT/S L1 Cache : 192 KB, L2 Cache : 1 MB, L3 Cache : 18 MB		
4	Chipset: Intel 7500		
5	Memory : 16GB DDRIII 800/1066 MHz ECC		
6	Hard Disk: HOT SWAP 8 x 600 GB (2.5") 10K RPM SAS HARD DISK		
7	RAID : RAID 5,50,6,60 Activation Key with 512 MB Cache		
8	BAY for Hard disk : 8 or more(to be mentioned by firm) 2.5" HS SAS Hard Disk Cage		
9	Optical Drive: DVD ROM		
10	SMPS: Hot Swap Redundant Power Supply 650W or Higher		
11	ETHERNET: 2 x Gigabit LAN		
12	PORTS: 1*PCI 32/33 MHz, 2*PCIx66/100, 2*8 PCI-e SLOT		
13	IDE: 1 IDE Port for connecting 2 devices		
14	CONNECTOR: 5 or more USB with 2 in front , 2*Serial, PS/2 for KBD and Mouse		
15	CHASIS: Rack Mounting		
16	Monitor: 18.5" LCD Monitor		
17	Operating System Support : Window Server 2008, RedHat Enterprise Linux, SUSE Linux Enterprise Server		
18	Server Maintenance : IPMI 2.0 Compliance Browser based Management Console		
19	Memory Support : upto 128 GB		
20	Warranty: 3 year onsite on server device		

Please Turn Over

Name and Address of the Firm : (To be printed on the letter-head of th e firm)

Letter No

Page No

Date

Description		Compliance(Yes/No)	Deviations
21	Backup Storage Device		
(a)	Make : (to be mentioned by firm)		
(b)	Model : (to be mentioned by firm)		
(c)	Specification : 1. Recording Technology : LTO-4 Ultrium or higher 2. Capacity : 800 GB Native, Up to 1.6 TB with 2:1 compression 3. Transfer rate : Up to 120 MB/s native 4. Host interface : SAS 5. Form factor : Half height rack mountable		
(d)	Storage Media : 1. LTO Ultrium Data Cartridge, Capacity 800 GB (native) and 1.6 TB with 2:1 compression Quantity : 20 Make and Part No of cartridge for LTO Tape Drive quoted : (to be mentioned by firm) 2. LTO cleaning Cartridge, Quantity : One Make and Part No of LTO cleaning cartridge : (to be mentioned by firm)		
(e)	Warranty : (i) Three years comprehensive onsite on tape drive (ii) One year on media		
22	Brochures for above to be attached		
23	Additional features offered which are not covered above (use additional sheets if needed)		

Authorized Signature

Seal of firm

Name :

Name and Address of the Firm : (To be printed on the letter-head of th e firm)

Letter No

Page No

Date

B. TECHNICAL SPECIFICATION FOR WORKSTATION

Required Quantity : Two Sets

	Description	Compliance(Yes/No)	Deviations
1	Make (to be mentioned by firm) :		
2	Model (to be mentioned by firm) :		
3	Processor : 2 x Intel Xeon E7520, 4-Core, 1.866 GHz Clock Speed : 1.866 GHz , 4.80 GT/S L1 Cache : 192 KB, L2 Cache : 1 MB, L3 Cache : 18 MB		
4	Chipset: Intel 7500		
5	Memory : 16GB DDRIII 800/1066 MHz ECC		
6	Hard Disk: HOT SWAP 2 x 600 GB (2.5") 10K RPM SAS HARD DISK		
7	BAY for Hard disk : 4 or more(to be mentioned by firm) 2.5" HS SAS Hard Disk Cage		
8	Optical Drive: DVD ROM		
9	SMPS: Hot Swap Redundant Power Supply 650W or Higher		
10	ETHERNET: 2 x Gigabit LAN		
11	PORTS: 1*PCI 32/33 MHz, 2*PCIx66/100, 2*8 PCI-e SLOT		
12	IDE: 1 IDE Port for connecting 2 devices		
13	CONNECTOR: 5 or more USB with 2 in front , 2*Serial, PS/2 for KBD and Mouse		
14	CHASIS: Rack Mounting		
15	Monitor: 18.5" LCD Monitor		
16	Warranty: 3 year onsite		
17	Brochures for above to be attached		
18	Additional features offered which are not covered above (use additional sheets if needed)		

Authorized Signature

Seal of firm

Name :

Name and Address of the Firm : (To be printed on the letter-head of th e firm)

Letter No

Page No

Date

C. TECHNICAL SPECIFICATION FOR Server Rack (42U)

Required Quantity : One Set

	Description	Compliance(Yes/no)	Deviations
1	Make (to be mentioned by firm) :		
2	Model (to be mentioned by firm) :		
3	Features : a) 19" , 42U , 1000 mm depth b) Heavy duty caster wheels c) Keyboard tray d) Monitor tray e) Cooling fan trays : Two with 4 fan in each f) Vertical cable manager g) Power points 5 AMP : 16		
4	Manufacturing standard ISO 9001 : 2000		
5	Warranty (One year against manufacturing defect)		

D. TECHNICAL SPECIFICATION FOR 8-Port KVM Switch

Required Quantity : One Set

	Description	Compliance(Yes/No)	Deviations
1	Make (to be mentioned by firm) :		
2	Model (to be mentioned by firm) :		
3	Features a) 8-port stakable b) Cascade port - 1 c) 19" rack mountable d) Monitor resolution support : 1920 x 1440 e) Adapter cables		
4	Warranty : Three years		

Authorized Signature

Seal of firm

Name :

Name and Address of the Firm : (To be printed on the letter-head of th e firm)

Letter No

Page No

Date

E. TECHNICAL SPECIFICATION FOR Gigabit Network Switch

Required Quantity : One Set

	Description	Compliance	Deviations
1	Make : (to be mentioned by the firm)		
2	Model : (to be mentioned by the firm)		
3	<p>Specification</p> <ul style="list-style-type: none"> (a) Type : Ethernet Switch (b) OSI Layer : Layer 2/3 (c) Managed Device : Managed (d) Ports : 24 x 10/100/1000Base-T(RJ-45) (e) Uplink/Additional Port(s) : 4xSFP/1000Base-T Combo (f) Switch Fabric Capacity : 24 Gbps (g) Layer 2 Forwarding Rate : 35.7 Mbps (h) MAC Address Entries : 8000 (i) VLANs : 255 (j) Huntgroups/Link Aggregations : 64 (k) Standards and Protocols : IEEE 802.1d Spanning Tree Bridge * IEEE 802.1p LAN Layer 2 QoS/CoS Protocol for Traffic Prioritization * IEEE 802.1Q Virtual LANs(VLAN) * IEEE 802.3 CSMA/CD or Ethernet (l) LAN Standards : IEEE 802.3u 100 Mbps(Fast Ethernet) * IEEE 802.3ab 1000 Mbps(Gigabit Ethernet) * IEEE 802.3ad Link aggregation * IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) * IEEE 802.3x Flow Control * IEEE 802.1x Port Access Control for WLANs * IEEE 802.1s (m) Remote Management Protocol : HTTP * Telnet * RMON2 * RMON 1 * SNMP 2 * SNMP 3 * RMON 3 * RMON 9 * TFTP * SSH (n) Protocols : ACL * ARP * DiffServ * IGMP * IP * RADIUS * SSH * TCP * UDP * HTTP * DHCP *TFTP (o) LED Indicators : Link/Status * Activity * Full Duplex/Half Duplex * Power * Speed (p) Rack Mounting Height : 1U 		

Authorized Signature

Seal of firm

Name :

F. Technical Support for Server, Workstations and Accessories

1	Address of office in Bhubaneswar for Technical Support during warranty period and for AMC after warranty period.	
2	Technical persons to be contacted with Name, telephone number, email at local office.	
3	Address of Zonal office for technical Support with name and address: Name, email, telephone number of person to be contacted.	
4	<p>Certificate from OEM(Original Equipment Manufactured) authorizing firm for sale and service of all items quoted should be enclosed</p> <ul style="list-style-type: none"> a. Server, Backup Tape Drive and Media (Yes/No) b. Workstation (Yes/No) c. Server Rack (Yes/No) d. 8-Port KVM Switch (Yes/No) e. Gigabit Network Switch (Yes/No) 	

Authorized Signature

Seal of the firm

Name :

PART - B

Format for Financial Bid

- A. TECHNICAL SPECIFICATION FOR SERVER WITH BACKUP STORAGE TAPE DRIVE AND STORAGE MEDIA**
Required Quantity : One Set

- B. TECHNICAL SPECIFICATION FOR WORKSTATION**
Required Quantity : Two Sets

- C. TECHNICAL SPECIFICATION FOR Server Rack (42U)**
Required Quantity : One Set

- D. TECHNICAL SPECIFICATION FOR 8-Port KVM Switch**
Required Quantity : One Set

- E. TECHNICAL SPECIFICATION FOR Gigabit Network Switch**
Required Quantity : One Set

Name and Address of the Firm : (To be printed on the letter-head of the firm)

Letter No

Page No

Date

A. Server with Backup Storage, Tape Drive and Storage Media (Required Quantity : One Set)		
1	Make	
2	Model	
3	Basic Price	
4	All Taxes, Delivery and installation charges, if applicable	
5	Total Price (3+4)	
6	Annual Maintenance charges after expiry of warranty	

B. Workstations (Required Quantity : Two Sets)		
1	Make	
2	Model	
3	Basic Price for two workstations	
4	All Taxes, Delivery and installation charges, if applicable	
5	Total Price (3+4) for two workstations	
6	Annual Maintenance charges after expiry of warranty	

C. Server Rack (42U) (Required Quantity : One Set)		
1	Make	
2	Model	
3	Basic Price	
4	All Taxes, Delivery and installation charges, if applicable	
5	Total Price (3+4) for two workstations	

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Seal of the firm

Name :

Name and Address of the Firm : (To be printed on the letter-head of the firm)

Letter No

Page No

Date

D. 8-Port KVM Switch (Required Quantity : One Set)	
1	Make
2	Model
3	Basic Price
4	All Taxes, Delivery and installation charges, if applicable
5	Total Price (3+4)
6	Annual Maintenance charges after expiry of warranty

E. Gigabit Network Switch (Required Quantity : One Set)	
1	Make
2	Model
3	Basic Price
4	All Taxes, Delivery and installation charges, if applicable
5	Total Price
6	Annual Maintenance charges after expiry of warranty

Total price for all items A + B + C + D + E inclusive of all taxes and delivery and installation charges :

Authorized Signature

Seal of the firm

Name :