



Dated: 03-06-2014

C-45013/01/2014-15/Air Lab. Tender-III/Mat! 1237-1257

To,

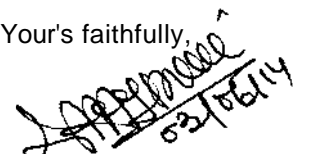
Sub:- Invitation of sealed quotation for supply of "Hardware & Software items for Data Acquisition and Handling Centers".

Sir,

With reference to this office letter No. C-45013/01/2014-15/Air Lab Tender-III/Mat dated 16-05-2014 inviting sealed quotations for supply of "Hardware & Software items for Data Acquisition and Handling Centers". The competent Authority in the CPCB has decided to revise certain specifications and quantities which may be taken into consideration before submitting quotations. The revised specifications are enclosed for ready reference. The last date for submission of quotations has also be extend upto 19/6/2014.

Other terms and condition will remain same as indicated in the quotation letter dated 16-05-2014.

Your's faithfully,


(I/c Material)

Encl. As above

Copy to:

- i) Acor I/c F&A-
- ii) Office order file -
- iii) I/c Air Lab-



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
निर्गत.....
दिनांक.....
6/6/2014

Item No.: ETS - 1

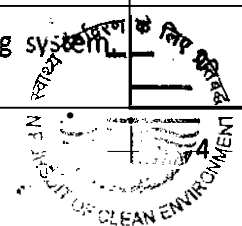
Technical Specification **RACK SERVER**

Sr.No	Specifications	
1.	CPU	Single Intel Xeon Quad Core 5600 series 2.40 GHz or higher, 12MB L3 Cache per socket or higher, 1333 MHz/1600 FSB.or latest. The Mother Board shall support Dual Sockets.
2.	Memory	32 GB (32 GB support for each CPU) DDR-III, 1066MHz, ECC Memory, upgradable to 64 GB
3.	Chipset	Intel 5520 or higher
4.	HOD	6.1 TB SATA or 3.2 TB SATA
5.	Ethernet Port	2 .Dual port Gigabit NIC Cards with autosensing and on copper (total 4 ports). All four ports supporting iSCSI protocol to connect to iSCSI based SAN storage
6.	PCI Slots	Provision for 2 .PCI express, 2 .PCIe X2, or more Slots to accommodate additional FC / Gigabit Cards Graphics Adaptors
7.	CTD	Internal / external 2 TB
8.	Optical Drive	DVD R/W 16X Drive, External USB based
9.	Form Factor	2U rack model with rail kit
10.	Keyboard	Standard Keyboard same as OEM
11.	Mouse	Standard Optical Mouse same as OEM
12.	I/O ports	4 .USB ports, 1 VGA Port, 1 external SAS, 1 . Serial, 1 .DVI
13.	Monitor	21" Wide LCD TFT Color monitor
14.	RAID Controller	RAIDS
15.	Wireless adapter	USB Wireless adapter x 2 nos.
16.	Antivirus	Standard Antivirus (McAfee / Norton / Trend Micro) for duration of 3 years
17.	Redundant Power Supply & Fans	Redundant Power Supply 1+1, Redundant Fans
18.	Warranty	Warranty is comprehensive 24x7 on site including spares for 3 / 3 / 3 years with 4 hours support

Item No.: ETS • 2

Technical Specifications: **42U Industrial Rack**

Sr. No	SpeCifications	QTY / site
1	19" Industrial Rack, 42U , Color Black Consisting of:-	1
2	Steel Enclosure, 9 Folded profile of dimensions 800 mm width * 1000 mm Depth • 42 U height, supporting 1000 Kgs load. Bottom cover with knock out holes for cable entry to be provided. Three pairs of horizontal support shall be fitted on both right and left sides.	1
3	Front & Rear Door shall be of 100% perforated with three point locking system. Provision for mounting fans on Rear door with concealed AC wiring.	
4	Fan 230V, 90 CFM to be mounted on Rear Door.	



5	AC Main Channel vertical, 12x 5/15 Amps Sockets Make: Anchor with 32 Amps MCB make: Northwest	2
6	Horizontal Cable Manager	2
7	Vertical Cable Manager	2
8	Copper based Electrical Grounding/ Earthing Strip. Provision for Fifteen (15) points.	15set
9	Each set of:	1 Set
	a) Castor with Brake -- 2 Nos.	
	Castor without Brake -- 2 Nos. OR	
	b) Adjustable screw legs --4 Nos. OR	
	C) Base' frame - 1 No.	
	Base frame -- 1 NO.	
10	light provision activation in the rack up on opening of the front/rear door.	1
11	H/W Packet of 20 Sets.	2
12	EYE bolts on the top for lifting the rack	4

If anything required to setup the system, vender, need to have provision at the time of quoting.

Item No.: ITS - 3

Technical Specifications: USB 2 TB External Disk

<p>USB 3.0 compliant 2 (Two) TB External Expansion Disk</p> <p>Capacity: 2 TB Connectivity; USB 3.0 Form Factor; Desktop OS Supported: Windows 7 and Above External Power Required: No Warranty; 3 Years Warranty</p>
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Item No.: ITS - 4

Technical Specifications: Windows Server 2012

Windows Server 2012

Microsoft Windows Server 2012 (Standard) -2 licenses
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Item No.: ETS - 5

Technical Specifications: Database Software

Database Software*

The Database software should be compatible for the Windows Server 2012

1. MS SQL Server for 1 CPU, 4 core (latest version) with 2 licenses

Or

2. Oracle for 1 CPU, 4 core each (latest version) with 2 licenses

**to be dedded by the software developer who would be given the responsibility of developing software for CPCB. However, the vendor can quote the rates as per the specification above. Efforts will be made to oward the supply and Installation order for the database software within the validity period.*

Rates for both Items have to be quoted

Item No.: ETS - 6

Technical Specification: Desktop Computer System

Sr.No	Specifications	
1	CPU	intel- Core i7 (3 GHz, 8MB cache, 4 cores) or higher
2	Memory	4 GB DDR-III, 1066MHz, Expandable to 8 GB
3	Ethernet ports	Dual Gigabit Ethernet ports with autosensing bidder can provide 2nd NIC card on PCI, Autosensing is to cater to 100/1000 Mbps speeds automatically and not a boot ROM
4	PCI Slots	Provision for additional cards, 2PCI, PCIe, PCIe16 (Total 4 slots)
5	Optical Drive	DVD RW 16X Drive, Internal
6	HOD's	3.5" 500 GB, 5ATA drives
7	Power Supply	Standard suitable power supply
8	Keyboard	Optical Keyboard same as OEM
9	Mouse	Standard Optical Mouse same as OEM
10	I/O ports	4*USB,
11	Monitor	21" Wide LCD TFT Color monitor
12	Wireless adapter	USB Wireless adapter x 1 no.
13	OS support	Microsoft Windows 7 Professional
14	Antivirus	Standard Antivirus for duration of 3 years (from same manufacturer as server antivirus)
15	Warranty	Warranty is comprehensive on site including spares for 3 / 3/3 years



Item No.: ETS- 7

Technical Specification: Firewall, Rack mountable

Sr.No	Specifications	
1	Firewall throughput	Up to 750 mbps or higher
2	Concurrent sessions	10,000
3	Ports	5 fast Ethernet upgradeable to gigabit
4	Security	3DES/AES
5	Additional features	Content, URL filtering, SPAM filtering, VPN, Anti-virus etc.
6	Warranty	3 years Comprehensive onsite warranty (minimum)
7.	Console	Central Console to manage all appliances and capable to manage upto 15 such appliances in future
8.	Anti-virus through put	500 Mbps
9.	Reporting	Log analyser with 250 GB HOD or more

item No.: ETS - 8

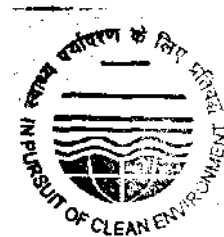
Technical Specification: Unmanaged SWitch (Rack mountable)

Minimum 8 port unmanaged fast / gigabit Ethernet Switch

Item No.: ETS :9

Technical Specification: Microsoft Office for Desktop

Sr.No	Specifications
1	Microsoft Office Std. , Microsoft Office Std. 2013 Single OIP





केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
(पर्यावरण एवं वन मंत्रालय, भारत सरकार)
(MINISTRY OF ENVIRONMENT & FORESTS, GOVT. OF INDIA)

C-45013/01/2014-15/Air Lab.Tener-III/Mat.

Dated:16.05.2014

Sub:- Invitation of sealed quotations for the supply of **“Hardware & Software items for Data Acquisition and Handling Centers”**.

Sirs,

Sealed quotations are invited for the supply of **“Hardware & Software items for Data Acquisition and Handling Centers”** The list of the items, Qty., delivery and locations are given below. Technical Specifications attached at Annexure - I

Sr.No.	Description	CPCB, Delhi	GPCB, Gandhi Nagar, Gujrat	Maharashtra State Pollution Control Board, Mumbai	TNPCB Chennai	Total
1.	Rack Server	01	01	01	01	04
2.	19” Industrial Rack, 42U, Color Black.	01	01	--	01	03
3.	USB 2 TB External Hard Disk	02	02	02	02	08
4.	Windows Server 2012	01	01	01	01	04
5.	Database	01	01	01	01	04
6.	Desktop	02	02	02	02	08
7.	Firewall	01	01	01	01	04
8.	Unmanaged switch	01	01	01	01	04

The above items as one package for each destination will be accepted.

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032
‘Parivesh Bhawan’, East Arjun Nagar, Delhi - 110032
दूरभाष / Tel. : 43102030, फैक्स / Fax : 22305793, 22307078, 22307079, 22301932, 22304948
ई-मेल / e-mail : cpcb@nic.in वेबसाइट / Website : www.cpcb.nic.in

02. EMD: Rs. 75000=00 (RUPEES SEVENTY FIVE THOUSAND ONLY) TO BE SUBMITTED BY THE BIDDER.

The quotation should reach to this office on or before 11.6.2014

The EMD shall be in the form of DD/Pay Order only in favour of "Central Pollution Control Board" payable at DELHI. EMD Shall not be accepted in any other form.

The authorized dealers must attach, a copy of the valid authorization letter issued by the principal supplier. Otherwise, the bid will be rejected.

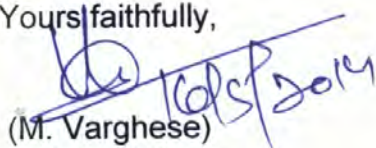
The Firm who seek exemption from depositing earnest money being Small Scale Industry or being registered with DGS&D, NSIC and other Government agencies which entitles them for exemption must submit the valid Registration Certificate cover the instrument offered by them along with permissible value.

The EMD of Unsuccessful bidders will be returned without any interest after the concerned purchase is finalized.

03. The quotation is to be submitted "single, stage- three envelope system" ie. First Envelope contain EMD. The second sealed envelope will contain full information required to judge pre-qualification, earnest money, complete details and specification of the Items offered including the leaflets and catalogues. The third envelope containing the price details
04. It shall be marked "Pre-qualifications, technical and commercial Bid **C-45013/01/2014-15/Air Lab. Tender-III./mat dated. 12.05.2014 due on 12.06.2014** for supply of "Items Name. The Third envelope will contain only price quoted by the bidder and shall be clearly marked "Price Bid . Both the above envelopes must be separately sealed and shall be kept in one envelope bearing the address of Central Pollution Control Board and superscribed with bold letter "Quotation FOR "Data Acquisition and Handling Center" NOT TO OPEN BEFORE **12.06.14 AT 11.00** A.M. The senders address should be mentioned in all envelopes.
05. Technical & Commercial part of the quotation will be opened on due date i.e. at **11.00** A.M. on **12.06.14** in the office of the Central Board in presence of the representative of the firm who would like to present Sealed Price part of Technically and Commercially acceptable tenders will be opened on a later date which will be communicated by the Board on the same day or on a later date.
06. The quotation should be sent by registered post. However, quotation may be put in box kept in the first floor, Material Section, Parivesh Bhawan to avoid any delay.

07. The Price should be quoted for FOR Destination basis. The Warranty/ Guarantee of the items should be clearly mentioned in the bid.
08. The rate should be written both in words & figures and there should not be any variations in the same. In case of any variation in the price quoted, the price mentioned in words will be considered as final.
09. Payment Terms: 100% payment will be released on satisfactory supply of the items in good condition. No advance payment will be made as such no preference will be given for such advance payment proposals.
10. The items should be supplied within eight weeks from the date of issue of confirmed supply order. Failure to supply within the specified time, the order is liable to be cancelled.
11. The terms and conditions such as taxes, duties, warranty/Guarantee etc should be clearly be mentioned in the quotation.
12. It may be noted that mere quoting of lowest rates will not entitle any firm to be eligible to get the order
13. The Chairman, Central Pollution Control Board reserves the right to cancel any or all tenders without assigning any reasons thereof. Your quotations should be valid atleast for six months from the date of its opening.
14. Typographical and clerical errors are subject to corrections.
15. In the event of any dispute, the decision of the chairman, Central Board shall be final and binding upon both the parties.

Yours faithfully,


(M. Varghese)
Admn. Officer

Encl:- as above.

Copy to:

1. I/c. Air Lab.
2. I/c. IT Division.
3. Office Order file
4. ACO & I/c. Finance.

ANNEXURE-I**Item No. - 1****Technical Specification RACK SERVER**

Sr.No	Specifications	
1	Brands	IBM/HP/Dell
2	CPU	Single Intel Xeon Quad Core or higher 5600 series 2.40 GHz or higher, 12MB L3 Cache per socket, 1333 MHz/1600 FSB.The Mother Board shall support Dual Sockets. Dual CPU each quad core
3	Memory	32 GB (16 GB for each CPU) DDR-III, 1066MHz, ECC Memory, upgradable to 32 GB
4	Chipset	Intel 5520 or Equivalent
5	HDD	2 TB – 3 nos.
6	Drive Bays	Up to eight 3.5" drives or up to sixteen 2.5" drives
7	Ethernet Port	2 *Dual port Gigabit NIC Cards with autosensing and on copper (total 4 ports). All four ports supporting iSCSI protocol to connect to iSCSI based SAN storage
	PCI Slots	Provision for 2 *PCI express, 2 *PCIe X4 or PCIe X8, Slots to accommodate additional FC / Gigabit Cards Graphics Adaptors
8	CTD	Internal / external 2 TB
9	Optical Drive	DVD R/W 16X Drive, internal
10	Form Factor	2U rack model with rail kit
11	Key board	Standard Keyboard same as OEM
12	Mouse	Standard Optical Mouse same as OEM
13	I/O ports	2 *USB front, 2 *USB rear, 1 VGA Port, 1 external SAS, 1* Serial, 1 *DVI,1 * Memory Card Reader
14	Monitor	21" Wide LCD TFT Color monitor
15	RAID Controller	RAID 5
16	Wireless adapter	USB Wireless adapter x 2 nos.
16	Antivirus	Standard Antivirus (McAfee / Norton / Trend Micro) for duration of 3 years
17	Redundant Power Supply & Fans	Redundant Power Supply 1+1, Redundant Fans
18	Warranty	Warranty is comprehensive 24x7 on site including spares for 3 / 3 / 3 years with 4 hours support

Item No - 2**Technical Specifications: 42U Industrial Rack**

Sr. No	Specifications	QTY / site
1	19" Industrial Rack, 42U , Color Black Consisting of:-	1

Sr. No	Specifications	QTY / site
2	Steel Enclosure, 9 Folded profile of dimensions 800 mm width * 1000 mm Depth * 42 U height, supporting 1000 Kgs load. Bottom cover with knock out holes for cable entry to be provided. Three pairs of horizontal support shall be fitted on both right and left sides.	1
3	Front & Rear Door shall be of 100% perforated with three point locking system. Provision for mounting fans on Rear door with concealed AC wiring.	2
4	Fan 230V, 90 CFM to be mounted on Rear Door.	10
5	AC Main Channel vertical, 12x 5/15 Amps Sockets Make: Anchor with 32 Amps MCB make : Northwest	2
6	Horizontal Cable Manager	2
7	Vertical Cable Manager	2
8	Copper based Electrical Grounding / Earthing Strip . Provision for Fifteen (15) points.	1 Set
9	Each set of:	1 Set
	a) Castor with Brake -- 2 Nos.	
	Castor without Brake -- 2 Nos. OR	
	b) Adjustable screw legs --4 Nos. OR	
	C) Base frame -- 1 No.	
	Base frame -- 1 NO.	
10	Light provision activation in the rack up on opening of the front/rear door.	1
11	H/W Packet of 20 Sets.	2
12	Eye bolts on the top for lifting the rack	4

If anything required to setup the system, vender need to have provision at the time of quoting.

Item No - 3

Technical Specifications: USB 2 TB External Hard Disk

USB 3.0 compliant 2 (Two) TB External Expansion Hard Disk - Seagate

Capacity : 2 TB
Connectivity : USB 3.0
Form Factor : Desktop
OS Supported : Windows 7 and Above
External Power Required : No
Warranty : 3 Years Warranty

Item No. - 4

Technical Specifications: Windows Server 2012

Windows Server 2012

Microsoft Windows Server 2012 (Standard)

Item No. - 5

Technical Specifications: Database Software

Database Software*

The Database software should be compatible for the Windows Server 2012

1. MS SQL Server for 2 CPU, 4 core each (latest version) with 1 client license
Or
2. Oracle for 2 CPU, 4 core each (latest version) with 1 client license
**to be decided by the software developer, however, the vendor can quote the rates as per the specification above, with the validity of the quotes*

Item No.: ETS - 6

Technical Specification: Desktop Computer System

Sr.No	Specifications	
1	Brands	HP/Lenovo/Dell
2	CPU	Intel® Core i7 (3 GHz, 8 MB cache, 4 cores) or higher
3	Memory	4 GB DDR-III, 1066MHz, Expandable to 8 GB
4	Ethernet ports	Dual Gigabit Ethernet ports with autosensing bidder can provide 2nd NIC card on PCI , Autosensing is to cater to 100/1000 Mbps speeds automatically and not a boot ROM
5	PCI Slots	Provision for additional cards, 2PCI, PCIe1, PCIe16 (Total 4 slots)
6	Optical Drive	DVD R/W 16X Drive, Internal
7	HDD's	3.5" 500 GB, SATA drives
8	Power Supply	Standard suitable power supply
9	Key board	Optical Keyboard same as OEM
10	Mouse	Standard Optical Mouse same as OEM
11	I/O ports	4*USB,
12	Monitor	21" Wide LCD TFT Color monitor
13	Wireless adapter	USB Wireless adapter x 1 no.
14	OS support	Microsoft Windows 7 Professional
15	Antivirus	Standard Antivirus for duration of 3 years (from same manufacturer as server antivirus)
16	Warranty	Warranty is comprehensive on site including spares for 3 / 3 / 3 years

Item No.07

Technical Specification: Firewall, Rack mountable

Sr.No	Specifications	
1	Brand	Cisco/ Sonic Wall / Forti Gate
2	Firewall throughput	Up to 750 mbps or higher
3	Concurrent sessions	10,000
4	Ports	5 fast Ethernet upgradeable to gigabit
5	Security	3DES/AES
6	Additional features	Content, URL filtering, SPAM filtering, VPN etc.
7.	Warranty	3 years Comprehensive onsite warranty (minimum)

Item No.08

Technical Specification: Unmanaged switch (Rack mountable)

Minimum 8 port unmanaged fast / gigabit Ethernet Switch