

No. 27/5-2/2014-IT (Pt.4)
Government of India
Ministry of Environment, Forest and Climate Change
IT Division

Indira Paryavaran Bhawan
Jorbagh Road, Aliganj
New Delhi – 110003

Dated: 24 August, 2015

**Supply of Servers with Chassis, SAN Switches,
Rack & Rack Console**

Tender Document

The Ministry of Environment, Forest and Climate Change, New Delhi intends to procure the Servers with Chassis, SAN Switches, Rack & Rack Console to be installed in the new Building at Indira Paryavaran Bhawan, Jorbagh, New Delhi - 110003. This office invites sealed quotations for supply of the following:

- (i) Blade Servers with Chassis
- (ii) SAN Switches
- (iii) Rack
- (iv) Rack Console

2. Eligibility Conditions:

- a. Bidder shall attach OEM Manufacturer Authorisation Certificate in order to be eligible for participation in the above bidding.
- b. The bidder should have conducted business in Government of India for five years and the turn over should be in India Rs.50.0 crore per year for last five years and also should have supplied/Executed orders for servers in Central Government Departments.
- c. The bidder should not have been black-listed by any Government/Department. A certificate on company letterhead, stating that the bidder hasn't been blacklisted by any institution/ organization/ society / company of the Central / State Government ministry/department, or its public sector organizations with company stamp and signed by authorized signatory should also be submitted.

3. The cost of the Tender Document shall be Rs.2,000 (Rupees two thousand only) payable either by crossed demand draft or banker's cheque payable at Delhi in favour of Pay and Accounts Officer, Ministry of Environment and Forests, New Delhi, which shall be **attached with the Proof of Eligibility Condition**. Bidders shall write their name on

the reverse side of the demand draft/Banker's cheque. The cost of the tender document is not refundable in any circumstances.

4. The bid must be accompanied by a **Bid Security / Earnest Money Deposit (EMD)**, as stated in clause 2 of Annexure 'I' enclosed.

5. The bidder(s) shall submit the quotations in following two categories separately (**in sealed cover**):

- (a) Proof of eligibility conditions with cost price of Tender Document and bid security/EMD amount, and
- (b) Financial Bid in the prescribed format attached

Both the covers should first be sealed separately, and then these should be kept in a single sealed bigger cover. The sealed quotations shall be addressed to:

Director (Information Technology).
Ministry of Environment, Forest and Climate Change,
6th Floor, Jal Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110003

6. The last date for submission of duly completed bid documents is **12.00 noon on 14-09-2015**.

7. **The sealed cover containing documents in support of proof of Eligibility conditions shall be opened on 14-09-2015 at 03.00 PM.** A list of qualified/unqualified bidders will be displayed on the website of the Ministry of Environment and Forests at 11.00 AM on 18-09-2015.

8. The Financial Bid of those vendors only will be opened who meet the eligibility conditions.

9. The number of Blade Servers to be procured may be decreased or increased as per the requirement.

10. Bids should be valid for a minimum period of 120 days after the closing of the submission of bids. In case of untoward delay, if any, tenderers may be requested by this office to submit their willingness in writing to extend the validity of the bids for the requested period.

11. The registration number of the firm along with the CST/VAT No. allotted by the sales tax department, as well as TAN number of the firm allotted by the income tax department should be submitted, failing which bidder's bid may be rejected. The bidder should be registered with Service Tax Department of the Government of India and copy of the valid Service Tax Registration No. should also be enclosed.

12. The rates are to be quoted by the bidders in Indian Rupees only and payment shall be made to successful bidders in Indian Rupees only. The prices should be inclusive of

all taxes, central excise duty, standard packing, freight, transit, insurance, loading and unloading charges. VAT/Service Tax, if applicable, shall be shown separately. Govt. Levies like Sales Tax, VAT, Service Tax, etc. shall be paid at actual rates as applicable on the date of delivery.

13. All prices shall be fixed and shall not be subject to escalation.

14. If price in the new DGS&D Rate contract, if any, is lower than the currently quoted price, the vendor shall supply at the lower rate.

15. The price at which product is to be procured would be directed by the Clause 9 on Trade Practice of the Terms and Conditions attached.

16. Other terms and conditions in Annexure-I are attached herewith

18. For a bidder, who has submitted the tender bids, it will be assumed that he has accepted all the terms and conditions of the tender. A statement specifying that the quotations are strictly as per the terms and conditions of the tender, should be enclosed with the bids. No request for deviation in the terms and conditions of the tender will be entertained. If there is any deviation from the terms and conditions of the tender or the tenderer has submitted conditional bids, the bid will be summarily rejected.

19. General :

- a) The Ministry reserves the right to reject any bid/tender process as a whole without disclosing any reasons.
- b) Providing false information/documents by any bidder would result in disqualification of the bidder.
- c) Bids received through Fax/E-mail will not be acceptable. Bids received after due date shall be rejected.

20. Tentative time schedule for the Tendering process

Sr. No.	Description	Tentative time schedule
1.	Date of publication of NIT	24.08.2015
2.	Last date of submission of bid documents	14.09.2015
3.	Opening of Eligibility Criteria	14.09.2015
4.	Display of qualified/unqualified bidders	18.09.2015
5.	Opening of Financial Bids of qualified bidders	21-09-2015

Note: Any change in the schedule of tender process will be notified at our website or intimated through email to the bidders.

Director (Information Technology)

Check List

Check list of enclosures:

- a) Manufacturer Authorisation Certificate
- b) Company Registration Certificate supporting business in Government of India for five years and also document pertaining to the turnover of Rs.50.0 crore per year for last five years and supporting documents having supplied/Executed orders for servers in Central Government Departments.
- c) Certificate that the firm has never been black-listed for supplies.
- e) Commitment to provide for free updates during the warranty period.
- f) Financial Bid in the enclosed format
- g) Details of CST/VAT no., TAN No., Service Tax Registration No. etc.
- h) Name of the contact person with mobile, email address and postal address.

Technical Specifications of Blade Chassis, Servers & Rack

1) Blade Chassis (Poweredge M1000E):

	Item	Description
1	Description	Shall provide common resources for the Blade Servers like power, System Management, Cabling, Ethernet Management and extension, External fibre Channel Storage switching and connectivity. Chassis with all redundancy features. All components are to be provided by the OEM and are to be fully redundant to avoid single point of Failure
2	Blade Bays and I/O bays	Sufficient no of Chassis to be provided to accommodate min 14 half height/width or 7 full height hot pluggable blades servers.100% redundant I/O bays with minimum 3 type fabric support e.g Ethernet, FC, FCOE, Infiniband.
3	Blade arrangement	Blade chassis should be able to support full or half height/ width blades in combination without limitations on slots.
4	Mid-Plane	Active Mid Plane with redundancy or Passive mid-plane for providing two-way communication paths for Ethernet, Fiber Channel, KVM Switch, Power Supply and Management Signals. Should be able to support with minimum throughput of 8 Tb/s
5	Ethernet Switch Module	2 Nos. of Layer 3/Layer2 Network switches supporting with sufficient no. of 10 Gbps to connect to all servers populated with high availability or redundancy in the chassis with minimum 4 x10Gbps up-link ports scalable to 8 x 10Gbps Uplink ports on each switch for External LAN connectivity. These switch modules should support Ethernet /iSCSI/FCOE traffic and 40Gbps ports
6	SAN Switch Module	2 Nos. of Fiber channel Switches supporting with sufficient no. of 8 Gbps ports to connect to all servers populated with high availability or redundancy in the chassis with minimum 4 x 8Gbps up-link ports scalable to 8 x 8 Gbps Uplink ports. Each SAN switch Should be supplied with 4 nos. of 5m LC-LC cables.
7	Management Modules	Dual redundant management modules to communicate with the system management processors on the blade servers. The Management Modules shall be capable of providing KVM connectivity for the Blade servers housed inside the chassis, Real time, actual power cons. Status/Inventory/Alerting for Blades, Chassis Infrastructure & IOMs; Centralized Configuration; GUI & CLI; SSL/SSH ; Power/Thermal Monitoring; Dynamic power engagement; Temperature monitoring; Virtual Media, virtual KVM. Management modules should be fully redundant with no common components/modules. Failure of any component should not compromise management capability. Redundant chassis Management module with dedicated 1Gbps RJ45 port.
8	Cooling	Hot swappable variable speed blowers/fans for cooling the chassis which should be fully redundant and fully populated.
9	Power Module	Hot swappable power supplies, which shall be supplied in adequate numbers so as to ensure N+N redundancy for fully populated chassis.
10	Form Factor	Maximum up to 10U Rack Mountable including all the components as per specifications and scalability required.

11	System Management (SM)	<p>Shall provide support for remote console management, power on/off for blades. Modules shall monitor power status, operating system, temperature, disks, blowers, power modules system diagnostic programs provided through the management software. Real Time Power/Thermal Monitoring and Management. SM should provide the following features:</p> <ul style="list-style-type: none"> -Real-time system AC power consumption with reset-able peak and minimum values. - System level power limiting and slot based power prioritization. - Manage dynamic power engagement functionality. - Auto fan speed control, real-time actual power consumption (aggregate chassis & Individual blade). -Selectable chassis “power ceiling/threshold” with policies. - Alert on Ceiling/threshold. Sends an alert if ceiling is reached throttle on Ceiling/ threshold
12	System Panel	One LCD panel showing systems including power-on, excess temperature, other information and system error conditions. Front/Rear minimum one KVM connection for all blades should be available on the chassis.
13	Ports	Front/Rear VGA & Min 1 USB ports for KVM
14	Optical Disk	Internal or External DVD Drive to be configured which can be shared among all blade servers
15	Accessories & Cable	All the required accessories like rack mounting kits, fixers, cable managers/ arms etc. and required cables to be supplied for each server.
16	Warranty	5 Years 24x7 comprehensive 4 Hrs Response onsite OEM warranty support

2) Blade Servers (Poweredge M620):

	Item	Description
1	Processor	2.5 GHz or higher Intel x86 Ivy Bridge or latest 10 Core Dual Processor with at least 25MB cache on each processor
2	Memory	64 GB ECC Memory. Memory should be upgradable to 512GB. Offered memory should be of 1333 Mhz or higher
3	HDD	2 x 600 GB hot plug SAS 10K RPM HDD configured with RAID 1 using Hardware based RAID controller
4	HDD Bays	Minimum 2 HDD Bays
5	Disk Controller	6 Gbps SAS Raid Controller supporting RAID 1 & RAID 0.
6	HDD Upgradeability	Should be able to support hot swap SSD drives
7	I/O Slots	Minimum 2 PCIe x8 slots or higher mezzanine daughter cards
8	Ethernet	Dual port 10Gbps Ethernet Converged Network adapter
9	Host Bus Adapter	Dual port 8Gbps Native Fibre Channel HBA
10	Form factor	Blade
11	Management	Dedicated Management controller with integrated remote management for out of band alerting, status, inventory, and

		troubleshooting via secure Web GUI / CLI (telnet/SSH),Remote Virtual Media (vMedia) and Virtual KVM (vKVM),IPMI 2.0 support. A microcontroller should be responsible for acting as an interface or gateway between the host system (i.e., server management software) and the periphery devices. Should support web GUI,HW update, Firmware rollback, OS Deployment, Life Cycle Log, Error alerts (server reset, critical sensor values etc.) using email traps, IPv6
12	Remote Server Management Utility	The server should be capable of being remotely managed, including starting, stopping and installation of software. Hardware / Software for Server/Client, if any, required for this functionality must be included
13	Warranty	5 Years 24x7 comprehensive 4 Hrs Response onsite OEM warranty support

3) Server Rack:

	Item	Description
1	Server Racks	42 U Industry Standard Rack with following : a) 2 nos. of full height 32 Amp PDU housing min. 12 power distribution sockets of C13 type. b) Should be configured and supplied with all required accessories like rack mounting hardware for mounting blade chassis, servers, storage etc. and cable managers/ arms/ fittings for managing all the data & power cables in the rear side of the Rack. All the cables should be arranged/ dressed/ secured so that no loose cables must be dangling loosely and all cables should be properly labeled on both sides.
2	Warranty	5 Years comprehensive onsite warranty support

4) Rack TFT Console Monitor:

	Item	Description
1	Rack TFT Console	1U Touchpad English Keyboard and Widescreen 17" TFT with Sliding Rails to be fitted in 42 U Rack
2	Warranty	5 Years comprehensive onsite warranty support

Format for Financial Bid

Bidder	Quantity	Unit Price (including all taxes, central excise duty, standard packing, freight, transit, insurance except VAT & Service Tax)	Total Amount
Blade Chassis	2		
Blade Servers	9		
42 U Server Rack	2		
Rack TFT Console Monitor	2		
VAT, if applicable			
Service Tax, if applicable			
Grand Total (in figure)			
Grand Total (in word)			

Note: The grand total shall be written both in figures and words. In case of any discrepancy in the figures and the words, the bid is liable to be rejected

Authorized signatory with seal

Place

Date

Other Terms and Conditions

1. Product and Service Description:-

The products to be supplied are Blade Chassis – 2 (Nos.), Blade Servers - 9 (Nos.), 42 U Server Rack - 2 (Nos.), Rack TFT Console Monitor - 2 (Nos.)

2. **Bid Security/Earnest Money Deposit (EMD)**

- a) The bidder shall submit bid security of Rs.1.50 lakhs (Rupee One lakh fifty thousand only) valid for 120 days from the date of opening of bids in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks in an acceptable form in favour of Pay and Accounts Officer, Ministry of Environment and Forests, New Delhi.
- b) Bidders shall write their name on the reverse side of the demand draft/Banker's cheque, if one opts for this for submission of bid security.
- c) The Bid Security shall be **attached with the proof of Eligibility Criteria**.
- d) The Bank Guarantee shall be valid for 120 days months from the date of opening of bids.
- e) The bid security of vendors who do not qualify shall be returned within one month of placing the orders.
- f) Earnest Money is liable to be forfeited and bid is liable to be rejected, if the tenderer withdraw or amend, impairs or derogates from the tender in any respect within the period of validity of the tender.
- g) If the bidder is not able to supply the ordered items completely within the specified period to the complete satisfaction of the Purchaser, the **Bid Security/Earnest Money Deposit (EMD)** in the form of Bank Guarantee/Banker Cheque/Demand Draft shall be invoked and such action shall be initiated as may be deemed fit

3. **Product Pricing and Payment**

- a) The prices are inclusive of all taxes as applicable, standard packing, freight, transit, insurance, loading and uploading charges.
- b) The payment for the ordered quantity shall be made 100 % against satisfactory delivery and installation.
- c) If prices on the new DGS&D Rate Contract are lower than the currently

quoted price, the successful bidder will supply at the lower rate of DGS&D.

4. Delivery

The supplier shall supply the ordered products within 6 weeks from the date of the order. The delivery will not be deemed to be complete until and unless the ordered products are checked and accepted by the Purchaser as per order.

5. Warranty

The supplier shall provide standard 5 years hardware warranty.

6. Inspection

The product must be supplied in full as per the supply order. The product must give same performance results as certified by the supplier during their initial and subsequent offers.

7. Consequence of Rejection

If the product(s) is/are rejected by the purchaser at the destination, and the supplier fails to make satisfactory supplies within the stipulated period of delivery, the purchaser shall be at liberty to:

- a. require the supplier to replace the rejected products forthwith but in any event not later than a period of 21 days from the date of rejection and the supplier shall bear all cost of such replacement including freight, if any, on such replacement and replaced products and shall not be entitled to any extra payment on that or any other account or
- b. cancel the supply order at the risk and cost of the supplier.

8. Penalty for Delay

The schedule given for delivery is to be strictly adhered to in view of the strict time schedule for implementation of various projects of the Purchaser. Any unjustified and unacceptable delay in delivery shall render the supplier liable for liquidated damages at the rate of 0.5% (½%) (Half Percent of ordered value) per week subject to a maximum of 10% and thereafter the purchaser holds the option for cancellation of the order for pending supply and procure the same from any other supplier. The purchaser may deduct such sum from any money in their hands due or to become due to supplier. The payment or deduction of such sums shall not relieve the supplier from his obligations to complete the process of commissioning or from his other obligations and liabilities under the contract. In addition, the EMD amount shall also be forfeited. The decision of the authority placing the order, whether the delay in commissioning has taken place on account of reasons attributed to the supplier shall be final.

9. Trade Practice

- i. In the event, the supplier's vendor or concerned division of the vendor is taken over/bought over by another vendor or operated through a partner, all the obligations under the agreement with the Purchaser shall be passed on to the new vendor/division/partner for compliance by the new vendor on the negotiations.
- ii. The supplier will automatically agree honouring all aspects of fair trade practices in executing the supply orders placed by the Purchaser.
- iii. If the name of the product is changed for describing substantially the same product in a renamed form, then all techno-financial benefits agreed with respect to the original product shall be passed on to the Purchaser and the obligations of the supplier towards the Purchaser in respect to the product with old name shall be passed on to the product so renamed. If the supplier sells the products of same or equivalent description to any other Department/Organization in India at a price lower than the price fixed for the Purchaser, the supplier shall automatically pass on the benefits to the Purchaser.

10. FORCE MAJEURE:

For purposes of this clause, "Force Majeure" means an event beyond the control of the agency and not involving the agency's fault or negligence and not foreseeable. Such events may include, but are not restricted to, wars or revolutions, fires, floods, riots, civil commotion, earthquake, epidemics or other natural disasters and restriction imposed by the Government or other statutory bodies, which are beyond the control of the agency, which prevents or delays the execution of the order by the agency

If a Force Majeure situation arises, the agency shall promptly notify Ministry in writing of such condition, the cause thereof and the change that is necessitated due to the conditions. Until and unless otherwise directed by the Ministry in writing, the Agency shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

The agency shall advise Ministry in writing, the beginning and the end of the above causes of delay, within seven days of the occurrence and cessation of the Force Majeure conditions. In the event of a delay lasting for more than one month, if arising out of causes of Force Majeure, Ministry reserve the right to cancel the order without any obligation to compensate the agency in any manner for what so ever reason.

11. Action on defect in products:-

If it appears to the purchaser that the products supplied are defective or of inferior description or otherwise not in accordance with the terms and conditions, the supplier on demand of the purchaser shall forthwith rectify the defects on its own cost or provide new products as per the specifications provided in the terms and conditions at its own charge and cost and in the event of its failure to do so within a period specified by the purchaser in his demand aforesaid, the supplier shall be liable to pay compensation at the rate of 1% (One Percent) of the price of the supply order and in the case of such failure, the purchaser shall be entitled to recover the cost from the supplier.

12. Arbitration

The Ministry and the agency shall make every effort to resolve amicably, by direct negotiation, any disagreement or dispute arising between them under or arising from or in connection with the contract. Disputes not so resolved amicably within 30 days of receipt of notice of such a dispute shall be resolved by a sole arbitrator nominated by the Secretary, Department of Legal Affairs, Government of India, New Delhi. The arbitration proceedings shall be governed in all respects by the provision of the Indian Arbitration and Conciliation Act, 1996 and the rules there under and any statutory modification or re-enactment, thereof. The arbitration proceedings shall be held in New Delhi, India.

Director (Information Technology)