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Delhi Seismic Unit
भूकंप विज्ञान प्रभाग
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Bhabha Atomic Research Centre



भारत सरकार
GOVERNMENT OF INDIA



Reference Number: BARC/SEIS/DSU/CIT Enq 01/2022

Dated: 16.09.2022

**Invitation of quotation for
One Year Comprehensive Maintenance Contract for Computing and networking infrastructure at
BARC facility -Delhi**

Quotations are invited for one Year Comprehensive Maintenance Contract for Computing and Networking infrastructure installed at BARC Facility at Delhi.

Bidders are requested to read general guidelines mentioned in Annexure-A of this document, before making their offer. The proposed work-contract will be governed by the Terms and Conditions mentioned in Annexure-B of this enquiry.

Your quotation in sealed cover, super-scribed with **“Quotation for One Year Comprehensive Maintenance Contract for C&N Infrastructure at BARC Facility at Delhi”** should reach to **“Officer In-charge, DSU, SD, BARC, Wing-3, West Block-7, R K Puram, New Delhi 110066”** on or before **30.09.2022 1400 Hrs.**

Pre-bid meeting for clarifications, if any will be held on 23.09.2022, 11:00 Hrs at our office premises.

Quotations should be delivered by Registered post or Speed-post only. Quotations received by any other modes like hand delivery, fax, email etc. shall be considered invalid and summarily rejected

Bhabha Atomic Research Centre reserves the right to accept and/or reject any/or all the quotations received either in full or in part at its discretion without assigning any reason thereof.

The instructions given in the general guidelines and Terms & conditions should be followed carefully before filling up the quotation and bidder shall enclose all the required documents.

(MANOJ KUMAR)
Scientific Officer (E)
Delhi seismic Unit, Seismology Division
Bhabha Atomic Research Centre
West block-7, R K Puram, New Delhi-66

General Guidelines

1. Quotation shall be submitted along with Earnest money Deposit of Rs. 48,000/- in the form of demand draft in favour of Accounts Officer, BARC, payable at Mumbai. All the documents including EMD and Tender Documents should be enclosed in a single sealed cover, super-scribed with "Quotation for One Year Comprehensive Maintenance Contract for C&N Infrastructure at BARC Facility at Delhi".
2. Quotations should be signed, on each page, with seal by the authorized signatory of the bidder's firm/company.
3. Bidders shall ensure that quotation should contain Goods and Services Tax (GST) registration number and PAN number.
 - (i) GST shall mean Goods and Service Tax – Central, State and Inter State.
 - (ii) GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act, 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.
4. Bidder, along with their quote, shall submit the declaration at their official letter head in the format given in Annexure-C declaring that they have gone through the T&C of Annexure-B and agreed to all the T&C mentioned therein, **along with the compliance sheet** provided in Annexure-F. In this declaration, Bidder should highlight their denial/variation/extension in some or all the given T&C as per their offer.

5. Documents required to be submitted with the quotation:

Bidder shall submit self-attested copies of following documents with the quotation:

- (a) Registration Copy of Goods and Services Tax (GST)
- (b) Valid PAN Card
- (c) Last three years Financial Turnover Certificate, Certified by CA
- (d) Last three years Profit & Loss Statement, Certified by CA
- (e) Latest Bank Solvency Certificate.
- (f) List of Tools & Equipment proposed to be stored at site.

6. Rate:

The Bidder should quote the itemized rates (on per quantity basis) for each and every item of the work, along with cost/amount for complete quantity mentioned in the details as per the schedule given in Annexure-D. In case of variation in rate and cost, per quantity rate shall be accepted as final. Sum of all itemized costs shall result in basic cost. Basic cost with GST shall result in final cost/amount (Grand Total). This Final amount shall be mentioned in both figures and words. If there is any variation between the amount quoted in figures and words, the rate quoted in words shall be accepted. **Please note that bidder has to quote for all the items in the schedule, incomplete or partial Quotes will be rejected.**

7. Validity:

Rates quoted in the quotations as well as of the terms and conditions of the contract shall remain firm and valid for a minimum period of One Hundred Eighty (180) days from the date of the quotation, during which the quotation is likely to be finalized and letter of intent issued. On being done so, the contractor shall be strictly bound by the terms and conditions and provisions of the quotation and execute the work at the quoted rate.

8. Bidders will be evaluated based on their infrastructure, experience, skilled persons, inventory of spares etc., based on various technical competencies parameters as mentioned in Annexure G. BARC personnel may visit Bidder's premises to carry out evaluation.
9. If any contractor refuses to carry out the work after acceptance of the quotation, without valid reasons, they shall be disqualified for submission of quotations in future for a minimum period of three (03) years.
10. The contractor shall not be allowed to transfer or assign the contract to any other Person / Company / Firm, without obtaining written consent of the awarding authority.

Terms and Condition (T&C) of the Contract

1. Period of the contract:

- 1.1 This contract shall remain in force for a period of one year from the date of signing of the contract or receipt date of letter of Intent / Acceptance from the contractor firm, whichever is later.
- 1.2 BARC reserves the right to terminate this contract by giving a notice of one month, without any financial obligation on part of this department. In the event of cancellation of the contract for a reason or other, the payment for services carried out will be done on pro-rata basis.

2. Scope of work:

- 2.1. This contract shall be **onsite & comprehensive. It includes preventive as well as breakdown maintenance for all computing and networking equipment** at the Data Centre as covered under contract/agreement and will also cover all labour charges for the entire period of contract.
- 2.2. Preventive maintenance of the equipment at DATA CENTRE once every three months shall be carried out apart from attending to issues on call. Preventive Maintenance generally shall include cleaning of the equipment, updating of patches/service packs, carrying out the diagnostic tests of systems and taking remedial action, maintaining networking infrastructure, etc. The list and details of the equipment installed at DATA CENTRE and to be covered under this contract are provided in the "Annexure-D" and "Annexure-E" of this document.
- 2.3. Correct any faults & failures in any equipment under this contract during our working hours i.e. 24x7 or shall be carried out on case to case basis, based on the criticality of faulty system.
- 2.4. The contractor will be required to attend any complaint/call within one hour from its first reporting. The entire complaint management is done online using **On-line Complaint Management System**. The contractor will submit a weekly report on the no. of complaints received, their status, time taken for the rectification etc. Complex problems, which requires repair of system at particular service center or require complete replacement of system, shall not take more than 24 hours for all critical items mentioned at serial number 1 of schedule of quantities.
- 2.5. **The maintenance services will be comprehensive and will include cost of :**

- Labor, faulty parts / complete equipment replacement with new parts / equipment, including plastic parts etc. For defective hard disk, the contractor will provide the new hard disk at no extra cost and the return of defective hard disk. The new replaced parts/faulty parts/old/obsolete parts will become the property of the BARC. In case of replacement, the contractor has to supply new equipment/parts of same or equivalent standard including all the plastic parts. The contractor's professionals will also be required to renew the license of legal anti-virus software on all servers & desktops during contract period at their own cost.

- Tool kits, LAN tester etc. required for carrying out the necessary jobs/works will be provided by the contractor.

The contractor will also be required to keep one trolley, one self-support ladder, one torch, one desktop computer and an inkjet printer for the use of his representative to prepare reports and manage the online complaints.

- Spare parts as required. As most of the computing infrastructure is almost 12 years old and their spare parts may be difficult to obtain at short notice, therefore the contractor is advised to procure and keep sufficient spare parts inventory so as to meet the guaranteed repair time criteria as mentioned in clause 4.

- 2.6. It is possible that during the contract period, equipment could be added or removed from the scope of AMC. This will be done on pro-rata basis.
 - 2.7. The contractor's professionals may be required to install new network cables, check connectivity, repair and replace the faulty network cables/patch cords etc., as directed by EIC. This will include preparation of network cables by crimping the RJ45 connectors.
 - 2.8. The contractor's professionals shall install and configure licensed software (OS/RDBMS/Any Other), if the necessity arises. The software and manuals will be provided by BARC.
 - 2.9. The contractor's professionals may be required to install newly procured hardware at the site as directed by EIC.
3. Deputation of qualified man-power:
- 3.1. Contractor shall depute qualified and experienced man-power as per given table, suitable to attend the faults/services in systems covered in this contract.

Services / Troubleshoot	Minimum Qualification	Relevant Experience	Requirement
1. Configure Servers & Desktops with Windows and Linux environment. 2. Installation, configuration and maintenance of utilities including the 3 rd party application (if any). 3. Configuration, management, maintenance of hardware devices apart from servers/desktops/laptops namely printers, scanners, photocopier, fax machines, network switches & routers, all in one printer etc. 4. Any other relevant work as assigned from time to time	B.Tech / MCA	4 Years	24X7

- 3.2. Contractor is responsible to make arrangement for 'On-Priority' attending of the calls / complaints under this contract. This may include either permanent deputation of onsite engineer or allocation of team of identified engineers on priority. In this case, name and contact numbers of engineers shall be informed to EIC in advance.
- 3.3. The working sites of the BARC are in the restricted areas. Contractor should provide the Identity Card and police verification certificate (PVC) to all their engineers/personnel involved for work under this contract. All service engineers must have a valid ID card. In case the service engineer is not a contractor's employee but an expert from particular OEM or their service center or other, he/she must be accompanied by contractor's representative. All such representatives should have cleared police verification, at their own arrangement.
- 3.4. The contractor's engineers will be required to provide their maintenance services in BARC facility in Wing no-3, West Block-7, Rama Krishna Puram, New Delhi-66.

4. Guaranteed Repair time:

- 4.1. The contractor shall attend the service call with-in one hour.
- 4.2. The contractor shall keep the systems in up-to-date condition with required fault mitigation exercises. The final objective of this maintenance contract should be to attain system availability (uptime) of not less than 99%. The method of calculating uptime will be as under:

UPTIME (UT) of the hardware and system software = ((Total Coverage Hours (T) minus Down Time (DT))/ Total Coverage Hours (T))x 100 for the given period

$$UT (\%) = [(T-DT)/T]*100$$

T = Total Coverage Hours = 8 x No. of committed shifts in a given period.

No. of committed shifts in a given period = Number of working shifts in a given period.

Down time of any particular equipment/hardware under AMC will be counted as-

Let 'T1' be the time elapsed after reporting the maintenance call by the USER to the Vendor till the resolution of the problem / operation installation of the equipment/hardware and system software.

DT (critical items) = 0 for T1 < 24 Hrs.
= 0.5 X (T1-24) for T1 > 24 Hrs.

DT (non-critical items) = 0 for T1 < 24 Hrs.
= 0.1 X (T1-24) for T1 > 24 Hrs.

Critical items are mentioned specifically at serial no-1 Annexure-D.

- 4.3. Immediate resolution of problem and keeping H/W, S/W uptime up to 99 % (in every quarter) is a key factor. The contractor has to provide standby hardware in case corrective maintenance of **critical items takes more than 24 hrs.** The standby equipment arrangement will be allowed for maximum of 10 working days only. If the equipment is not repairable than contractor shall give a **permanent replacement** with same or better quality / configuration.
- 4.4. An uptime figure of less than 95% may be considered as sufficient ground to consider services as unsatisfactory and EIC may, at his sole discretion, levy penalty or terminate the contract, in which case the pro rata payment, for the period of AMC services rendered by the firm, will be made after recovery of necessary penalty. Further, unsatisfactory service would also lead to encashment of PBG, if any. The methodology for calculation of up-time is given at above. The penalty for uptime being less than 99 % will be as follows:

Greater than 98% but less than 99%:

0.5 % of total contract value payable to the service provider for the quarter / period.

Greater than 95% but less than 98%:

1.0 % of total contract value payable to the service provider for the quarter /period.

< 95% - Unsatisfactory

5. Performance Bank Guarantee and Security deposit:

- 5.1. The contractor shall have to submit Performance Bank guarantee of the value of 5% of the contract amount within 15 days from the issue of letter of intent as bank guarantee in favour of Accounts officer, BARC, Mumbai from a nationalized / reputed commercial bank made in name of contractor firm but hypothecated to Accounts officer, BARC, Mumbai. The performance bank guarantee should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the contractor.
- 5.2. Apart from this, Security Deposit will be recovered at the rate of 2.5% of the bill amount till it becomes 2.5% of the tendered amount of work. Security Deposit will be returned to the contractor at the end of

contract period or at the time of termination of contract without any interest but after deducting penalties, if any imposed on him.

6. Confidentiality Clause:

- 6.1 No party/Contractor/Bidders shall disclose any information to any Third party' concerning the matters under this contract generally. In particular, any information identified as" Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, contractors, advisors, or the employees engaged by the party with equal force

"RESTRICTED INFORMATION" CATEGORIES UNDER SECTION 18 OF: ATOMIC ENERGY ACT, 1962 AND "OFFICIAL SECREAT" UNDER SECTION 5 OF OFFICIAL SECRET ACT 1923:

Any contravention of the above mention provisions by any contractor, sub-contractor, consultants, Advisors or the employees of the contractor will invite penal consequences under the aforesaid Legislation.

6.2 PROHIBITION AGAINST USE OF BARC'S NAME WITHOUT PERMISSION FOR PUBLICITY PURPOSE.

The Contractor or subcontractor, consultant advisor or the employees engaged by the contractor shall not use BARC's name for any publicity media like press, Radio, T.V or internet without the prior written approval of BARC

7. The service provider will maintain a "History Card" and documentation / diagrams for each equipment under this Contract. This will also cover maintaining the latest network and cabling diagram.
8. While the contract shall be valid for a period of ONE year. The Department reserves the right to curtail or to extend the validity of contract on the same rates and terms and conditions at the discretion of the Department for further one year. In the event of cancellation the department will give a notice period of one month, without any financial obligation on the part of this Department. In such cases the payment for services carried out will be made on pro-rata basis.
9. The contractor will not sub-contract or permit any personnel other than the contractor's personnel to perform any work, service or other activities required by BARC without the prior written consent of the BARC
10. Professionals of the contractor will maintain the confidentiality of data stored on the computer systems. The contractor will be required to take appropriate actions against his professionals to ensure that obligations of non-use & non-disclosure of confidential information is complied with strictly.
11. BARC will provide sufficient working place, store, communication facilities etc., to the contractor without any extra cost.
12. The Contractor will be required to submit summary of weekly & monthly service reports to BARC. The report formats will be provided by BARC.
13. Preventive Maintenance Schedule: All equipment under contract will have Preventive maintenance, once every three months. The preventive maintenance will include cleaning, checking of health of equipment, resolving minor technical problems etc.
14. The floppies, DVDs, Printer Cartridges and batteries, LAN cables, LAN connectors, patch cords will be covered as consumables and only these will be supplied by BARC Other than above items all items required during AMC will be supplied by the contractor, viz. cables and connectors (of Computer Systems & peripherals), plastic parts etc. will form part of the AMC, at NO extra cost to BARC.
15. Contractor should have its own testing and repairing center in Delhi or NCR and should have the capability to service all OEM products. The vendor should be able to set up their Testing and repairing Centre within the premises, if required.

DECLARATION
(On firm's official letter head)

In response to your enquiry against BARC/SEIS/DSU/CIT Enq 01/2022 Dated: 16.09.2022. I/We hereby submit our best offer for consideration.

I/We have gone through the "Terms & Conditions of the contract" as mentioned in Annexure-B of BARC/SEIS/DSU/CIT Enq 01/2022 Dated: 16.09.2022 and its related documents in Annexure/s A, D, E, F and G very carefully and hereby declare that (please tick):

I/We agree to all the terms and conditions stipulated therein.

OR

I/We agree to all the terms and condition of stipulated therein with following denial/modifications/extension:

Condition#

Detail of Denial/Modifications/Extension

The information and documents as furnished in our quotation are true to the best of our knowledge and belief.

Dated:

Signature of Bidder
(Stamp & Address of Bidder)

**Officer In-charge
Delhi Seismic Unit
West Block-7, Wing No-3
R K Puram, Delhi- 110066**

Schedule of Work**Comprehensive Annual Maintenance of the following equipment.**

S.NO.	ITEM DESCRIPTION for Critical Items . Note:- In case item is not repairable, standby to be provided within 24 hrs. and replacement in 10 days.	Quantity	Rate (Rs)	Item wise Cost(Rs)
1.1	24 PORT LAYER 2 SWITCH DGS 310024	14		
1.2	24 PORT LAYER 3 MANAZED SWITCH DGS 3627	04		
1.3	SERVER WIPRO MODEL Z 2235 (configuration-1)	03		
1.4	SERVER WIPRO MODEL Z 2244 (configuration-2)	06		
1.5	SERVER WIPRO MODEL Z 2244 (configuration-4)	20		
1.6	SERVER WIPRO MODEL Z 2243 (configuration-3)	03		
1.7	DATA STREAMER CONTROLLER WITH DVI/HDMI STREME MAKE	02		
1.8	DATA STREAMING MANAGER WITH TOUCH PANEL STREME MAKE	02		
1.9	HD VIDEO MULTISITE UNITS MODEL TANDBERG EDGE 95	02		
1.10	HD VIDEO POINT TO POINT UNITS MODEL TANDBERG EDGE 95	02		
1.11	DESKTOP PC'S INTEL CORE 2 DUO	21		
1.12	SERVER RACK TYPE A	07		
1.13	SERVER RACK TYPE B	05		
1.14	17" LCD MONITOR KEY BOARD AUSTEN HUGHES	15		
1.15	AVOCENT MAKE SV16 PORT KVM SWITCHS WITH CABLES	15		
1.16	DVR SYSTEM	01		
1.17	KONIKA MINOLTA BIZHUB 164	02		
1.18	LAPTOP	01		
2	ITEM DESCRIPTION for Non-Critical Items Note:- In case item is not repairable, replacement to be provided within 20 days.			
2.1	24 PORT LAYER 2 SWITCH DGS 310024	25		
2.2	24 PORT LAYER 3 MANAZED SWITCH DGS 3627	02		
2.3	SERVER WIPRO MODEL Z 2235 (configuration-1)	05		
2.4	SERVER WIPRO MODEL Z 2244 (configuration-2)	08		
2.5	SERVER WIPRO MODEL Z 2244 (configuration-4)	15		
2.6	TEMPATURE DISPLAY	26		
2.7	ALPHANUMRIC LED 19" H/W	26		
2.8	FIRE ALARAM UNIT +H/W	26		
2.9	PRINTER	02		
2.10	LAPTOP	01		
2.11	DESKTOP PC'S INTEL CORE 2 DUO	10		
2.12	SERVER RACK TYPE A	10		
2.13	SERVER RACK TYPE B	04		
2.14	17" LCD MONITOR KEY BOARD AUSTEN HUGHES	11		
2.15	AVOCENT MAKE SV16 PORT KVM SWITCHS WITH CABLES	08		
		BASIC TOTAL (Rs)		
		GST(Rs)		
		TOTAL AMOUNT (Rs)		
TOTAL AMOUNT IN FIGURES-				

* Please note that maintenance of all servers and computers include the cost of legal anti-virus.

Signature of Bidder
(Stamp & Address of Bidder)

Item wise detailed specifications of C&N Equipment Installed at DATA CENTRE-Delhi

Item No 1.1, 1.2, 2.1 & 2.2

S.no	Test criteria	Acceptance Criteria
Item 1.1 & Item 2.1	24 Port L2 managed Switch Port speeds Switching speed Packet forwarding rate Functional testing- VLAN, routing, Qos, ACL, Security Management Overnight Power ON	10/100/1000 auto switching Better than 100Gbps Better than 80 Mbps Verification of VLAN, Qos, ACL and routing repeat 1 to 4
Item 1.2 & Item 2.2	24 Port L3 managed Switch Port speeds Switching speed Packet forwarding rate Functional testing- VLAN, IGMP, Qos , ACL ,SSH , Security management Overnight Power ON	10/100/1000 auto switching Better than 60 Gbps Better than 50Mbps Verification of VLAN, Qos , ACL, SSH repeat 1 to 4

Item no 1.3 to 1.6 & 2.3 to 2.5

Server Configuration 1 (Wipro Model Z 2235)
Memory-4GB, DDR3-1066, REG ECC
Audio Output PCIE Card with Drivers with Audio Port
8-Port RS-232 PCIE Card with 62 pin connector with Driver
2X1TB SATA Disks
1X 500 GB SATA Disks

Server Configuration 2 (Wipro Model Z 2244)
Memory- 8 GB DDR3-1066 REG. ECC
8-Port RS-232 PCIE Card with 62 pin connector with Driver
2X1 TB SATA Disks
1X 500 GB SATA Disks

Server Configuration 3 (Wipro Model Z 2243) / Server Configuration 4 (Wipro Model Z 2244)
8-Port RS-232 PCIE Card with 62 pin connector with Driver
Memory -8 GB, DDR3-1066. REG ECC
SATA Disks 2 X 1TB
SATA Disks 2 X 500 GB
SATA Disks 2 X 300 GB

Item no 1.7 & 1.8

Specification for the recommended Display Streaming Controller and Manager System

Item 1.7 - Data streaming Controller with DVI/HDMI outputs

- 5 port Display Controller- make streme or equivalent with software license
- Integrated Hardware & Software for desktop streaming including multimedia.
- DVI/HDMI output for LCD including Audio
- Hardware Specification:- CPU Intel core 2 Quad 4 GB DDR RAM, Secondary Storage, 80 GB HDD or more, 8 Digital Video Out, 1 Slot Max resolution, 4096 X 1536 VGA Output, Audio, Mic in, Audio Out, 4 USB Ports,1 Serial Port, XP professional support.
- Desktop Streaming Client Server Architecture To capture real time information from multiple sources to collate on a single display array.

6. **Operating System features:-** High power hardware support for Intel core 2 quad , XP Professional OS, capability to install any device driver at a later date to communicate with any hardware or any communication port , protected writing can be only done by authorized service personnel, the system must auto log on , no mouse and keyboard required for start up, pre-loaded antivirus software

7. **Multimedia Capability Support:** Tickers, label, IP Camera Integration , Component to display animated graphs using xml, web service, Excel or flat file data, External Application, Power Point viewer, Excel viewer, Ability to display time, date, countdown timer etc ,RSS news feed from internet support, Regional languages ticker support, Ability to integrate Excel sheets ,external application in movable, resizable windows.

8. **Integration and interfacing features:** Horizontal layout orientation for mounting horizontal display, built in serial interface for display for communication with LCD Panel, support for Stereo Audio, should be capable of supporting touch screens.

Item 1.8 - Data Streaming Manager with Touch Panel

9. Streaming Manager- make Streme or equivalent with appropriate software license

10. Integrated Hardware and Software of central Server for desktop streaming including multimedia.

11. 17" LCD touch panel consol.

12. Hardware Specifications: CPU Intel Core 2 Duo, 2 GB DDR RAM, Secondary Storage 80 GB or more HDD, Max Resolution 1600X1200, VGA Output Audio Mic in , Audio Out, 4 USB Ports, 1 Serial Port, 17" LCD with touch screen, 10/100 Ethernet support.

13. Scheduling: Switch schedules based on XML parameters, Schedules templates based on days, date time template designing, simple, Simple Drag & Drop interface, No complex numeric input required. Any number of windows on the template layout of any type. Playback limited by hardware only

14. Template Designing: simple Drag & Drop interface. No complex numeric input required. Any number of windows on template layout of any type. Playback limited by hardware only.

15. Layout Configuration 2X2+1 Display. Scalable to 4 X 2 Matrix

16. Security: Content created from any other software installation of this product should not play on our network. If a user replaced a file on the player. It should not get displayed. Only files sent from a manager console should get displayed, User rights management with specific users allowed specific locations, display and actions must be provided.

17. Network type support: To work on internal TCP/IP network running windows systems.

18. Console: with touch screen capability to select templates and run them almost instantly on data wall. Ability to switch between manager and console modes on the same data. Support for template switching using IR remote control.

Item no 1.9 & 1.10

HD Video Multisite units - Model no TANDBERG EDGE95

HD Video Point to Point unit - Model no TANDBERG EDGE95

Item 1.11 & 2.11

Desktop (31 Nos)

S.no	Item	Specification
1	Processor	Core 2 Duo
2	Mother Board	Motherboard ASUS P5KPL-CM, Intel DG31 PR chipset
3	Main Memory	2 GB RAM Make Transcend/Kingston
4	Hard disk	250 GB Hard Disk Make Samsung
5	CD-DVD drive	Sony DVD writer
6	Display	19" TFT Color monitor make Acer/Philips/HCL/Samsung/HP

Item no 1.12, 1.13, 2.12 & 2.13

Description	Specification	
Dimensions Type (A) (Item 1.11 & 2.6)	(2068.5X600X1000) MM	Usable (1868.5X482.6X899) MM
Dimensions Type (B) (Item 1.12 & 2.7)	(2068.5X800X1000) MM	Usable (1868.5X482.6X899) MM
Doors	Front door 42U/600W with 60% Perforated of total door area	
	Rear door 42U/600W with 60% Perforated of total door area	
Cable Management	Horizontal cable Manager 1U, 19" with PVC loops	
	Vertical Channel with PVC Cable loop 42U	
	Cable Basket, 42U/400W	
Equipment support Angles	Support Angles Heavy Duty 775 mm Depth	
AC Main Channel	Vertical PDU Octagonal socket 12 X 5/15 amp with 32 amp MCB and indicator with 6 mtr cable and 3 pin plug , Internal cable 2.5 sqmm fiber glass cable , external cable 6 sqmm, 3 core flexible PVC/ rubber	
	Horizontal PDU Octagonal socket 12 X 5/15 amp with 32 amp MCB and indicator with 6 mtr cable and 3 pin plug , Internal cable 2.5 sqmm fiber glass cable , external cable 6 sqmm, 3 core flexible PVC/ rubber	
Cooling	Fan Tray Door Mounting , 2-position ,600W	
	Fan Housing Unit, 90CFM , 4 fan	
Earth Kit	Earth Continuity Kit, split type (min 200A)	
Wheel	Front wheel (With break)	
	Rear Wheel (without break)	
LED Lights	Lamp on Front and back with manually Operated switch	
Load	Capacity 500 Kg	

Item no 1.14 & 2.14

17" LCD Tray with keyboard (make: Austin Hughes model RKP-117E)

Item no 1.15 & 2.15

SV 16 Port KVM switch make Avocent model no SV-16-1000

Item no 1.16

DVR System –
Stand Alone DVR with 16 video input channel (KOMANSU 2316)
Hard Disk storage: 1 TB
SMPS: 12 V 6 A, Suitable for 12 normal and 4 IR Cameras
Dome Camera: 12 Nos
IR Dome Camera: 4 Nos

Item no 1.17

Basic Digital Copier for Data Centre
Model no KONIKA MINOLTA BIZHUB 164

Item- 1.18 & 2.10

Laptops-
HP 15.6" Model Pavilion I -3 (2 nos)

Item no 2.6

Temperature Monitor & Display Unit: Temperature Indicator unit, Digital, 3 input

Item no 2.7

Rack Id display unit: Alphanumeric Display unit, 19" W, 18 Character

Item no 2.8

Fire Alarm: Fire alarm unit W/1 Smoke Detector

Item no 2.9

Printers-

HP Color LaserJet 1515N printer (1Number)

HP MFP M226 dn Laser Printer (1Number)

COMPLIANCE CERTIFICATE - TO BE SUBMITTED ALONG WITH TECHNICAL BID			
Para No, refers to our tender letter No.:			
S.No	Particulars	Compliance	Remarks, if any
Scope of Work/Services):-			
Para 2 (Scope of work):-			
1	Para 2.1		
2	Para 2.2		
3	Para 2.3		
4	Para 2.4		
5	Para 2.5		
6	Para 2.6		
7	Para 2.7		
8	Para 2.8		
9	Para 2.9		
Para 3 (Deputation of qualified man-power):-			
10	Para 3.1		
11	Para 3.2		
12	Para 3.3		
13	Para 3.4		
Para 4 (Guaranteed Repair time):-			
14	Para 4.1		
15	Para 4.2		
16	Para 4.3		
17	Para 4.4		
Para 5 (Performance Bank Guarantee and Security deposit):-			
18	Para 5.1		
19	Para 5.2		
Para 6 (Confidentiality Clause):-			
20	Para 6.1		
21	Para 6.2		
Para 7 to 15			
22	Para 7		
23	Para 8		
24	Para 9		
25	Para 10		
26	Para 11		
27	Para 12		
28	Para 13		
29	Para 14		
30	Para 15		

Authorised Signatory

Technical competency Parameters & Information
To be submitted along with Bid

The bidder should have the following :

- (a) Earnest money as mentioned at Serial No 1 Annexure –A.
In case of exemption from EMD (as in the case of MSE units), bidder has to submit valid exemption certificate in line with exemption category for considering bid before end of bid submission date/time, else the tender shall be treated as unresponsive and rejected. **In case the nature of services mentioned in the MSE certificate do not match** with nature of services as mentioned in details table at Scope of work, the offer will be treated as “without EMD” and may be rejected. However, in case any difference in understanding exists between BARC and Supplier as regards to nature of work, in that case the decision of BARC shall be final. Bidder has to submit EMD either in form of Demand Draft/Pay Order or in form of Bank Guarantee. However, it is to be ensured that the EMD reaches Office of tender issuing Authority before closing date and time of Tender, else the Offer of bidder shall be considered as without EMD and will be rejected.
- (b) Bank Solvency Certificate of a Nationalized Bank / Scheduled Bank for a minimum of **Rs. 9.6 Lakhs** and should not be older than one year from the date of opening of tender.
- (c) Average Annual Financial Turnover for similar works should be at least **Rs. 24 Lakhs**, during last 3 years ending 31st March 2020. This should be duly audited by a registered Chartered Accountant.
- (d) Should not have incurred any loss in more than two years during last five years ending **31st March 2022**.
- (e) Carried out **similar works** during last 5 years only will be considered.
- (f) Performance Certificates for the similar works completed.
- (g) Equipment’s, accessories & other infrastructure facilities list should be submitted.
- (h) Required Technical Staff list to be submitted
- (i) Valid GST Registration Certificate.
- (j) Permanent Account Number (PAN)

The bidder should have satisfactorily completed (based on certification of performance by client of the works) **3 (Three)** similar works each of value not less than **Rs. 9.6 Lakhs** or **2 (Two)** similar works each of value not less than **Rs. 14.4 Lakhs** or **1 (One)** similar work of value at least **Rs. 19.2 Lakhs** during the last 5 (five) years ending on last date of submission of Tender and at least one work of any nature (either part of above works or separate one) of not less than **Rs. 9.6 Lakhs** should have been completed in Central Government / State Government / Public Sector Undertaking of Central or State Governments / Central Autonomous bodies.

For the purpose, ‘cost of work’ shall mean gross value of the completed work including the cost of materials supplied by the Govt./Client, but excluding those supplied free of cost.

Similar Works means “**O & M of data centre including servers, routers , switches and other computing & networking infrastructure**”

Bidder should be a registered firm in India. Joint Ventures and or Consortiums are not acceptable.