



**Institute for Development and Research in
Banking Technology**
(Established by Reserve Bank of India)

Request for Proposal (RFP)

For

**Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled
Desktops, L2 Switch and Peripherals for IDRBT, Hyderabad.**

**Institute for Development and Research in Banking Technology
IDRBT, Castle Hills,
Road No.1, Masab Tank, Hyderabad – 500057, TS.**

February 2022

NOTE: This document contains 21 pages

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Disclaimer

This Request for Proposal (RFP) is not an offer by the IDRBT, but an invitation to receive response from eligible interested bidders for **Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals for IDRBT, Hyderabad**. No contractual obligation whatsoever shall arise from the RFP process unless and until a formal contract is signed and executed by IDRBT with the successful bidder. This document should be read in its entirety.

Any product name / function used in this document are meant to be generic and do not refer to the product of any particular company. In case such proprietary terms have been inadvertently mentioned then such terms should be taken to refer to the generic technology. Bidders with industry standard equivalent product name / function /feature under any other name will also be eligible to submit response to RFP.

Statement of Purpose

IDRBT invites sealed tenders for **Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals for IDRBT, Hyderabad.** IDRBT is looking for bidders from reputed companies having previous experience in handling successfully similar projects for Banks/FI/ Insurance companies in India.

1. Introduction

Institute for Development & Research in Banking Technology (IDRBT) is an autonomous body Established by Reserve Bank of India. The primary goal of the Institute is, as follows:

1. Development & Research on Banking Technology.
2. The systemic requirements of the banking system
3. Offer training in banking technologies for Indian Banking sector
4. Act as a CA (Certifying Authority) for Bankers.

2. Objective of the project

IDRBT has comprehensively employed technology over the years to efficiently discharge its duties in day to day functioning. IT applications are centrally hosted and the main objective of this RFP is for **Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals at IDRBT, Hyderabad** for upgrading IT Infrastructure of an academic lab.

3. Bid schedule:

Tender Reference number	IDRBT/SYS/VR/192/2021 – 2022
Issue of RFP	From 2 nd February 2022
Pre-Bid meeting with Vendors	11 th February 2022 11:00 AM
Time and Last Date for receipts of bids	16th March 2022 - 3:30 PM
Place of Opening tender offers	Institute for Development and Research in Banking Technology, Road No. 1, Castle Hills, Masab Tank, Hyderabad –500057.
Address of Communication	The Director, Institute for Development and Research in Banking Technology, Road No. 1, Castle Hills, Masab Tank, Hyderabad 500057
Contact Telephone Numbers	Phone : 040 – 23294010 Fax: 040 – 23535157

4. Bid Submission

The Technical and Commercial bids shall be submitted in separate sealed envelopes clearly super scribing on the envelope “Technical Bid for **Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals for IDRBT, Hyderabad** as per Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022” & “Commercial Bid for **Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals for IDRBT, Hyderabad.** as per Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022” on or before 3:30 PM of 16th March 2022.

5. Bidders Eligibility Criteria

Bidders must meet the following eligibility requirements. Bids of non-compliant bidders will not be technically or financially evaluated.

1. The Bidder shall provide evidence that it is a current legal entity.
2. The Bidder/System Integrator should be the authorized representative /partner/reseller of respective OEM products. The proof in support of the same must be enclosed.
3. The Bidder should have experience in the following fields:
 - a. **Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals** for the organizations.
4. The Bidder must warrant that key project personnel, should have minimum OEM certified engineers or equivalent certification on supplied Bill of Material, to be employed in this project have been sufficiently involved in similar past installation.
5. The bidder should be profit-making company.
6. The last three financial years’ audited Balance Sheet and Profit and Loss reports shall be provided duly signed by concerned authorities.
7. The Bidder must demonstrate that it has been engaged in providing similar services for other large National /International Financial / Banking Institutions.
8. The Bidder shall provide references (including Referee names and contact details) in respect of major projects of similar type completed in the last three (3) years by the Bidder in any large organization and having its offices/branches across India.
9. The Bidder must warrant that there is no legal action being taken against it for any cause in any legal jurisdiction. If such an action exists and the Bidder considers that it does not affect its ability to deliver the RFP requirements, it shall provide details of the action(s).

10. The cost of bidding and submission of tender documents is entirely the responsibility of bidders, regardless of the conduct or outcome of the tendering process.
11. Details regarding the fulfilment of the eligible criteria should be submitted as per Annexure – I.

4 Terms & Conditions:

1. All bids and supporting documentation shall be submitted in English.
2. All costs and charges, related to the bid, shall be expressed in Indian Rupees only and the above total cost is inclusive of installation charges and customization charges. IDRBT will not take into consideration, any variation in the \$ price.
3. The **Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals for IDRBT, Hyderabad** should be completed within 04 (Four) weeks from the date of purchase order.
4. The cost of bidding and submission of the bids is entirely the responsibility of the Bidders, regardless of the conduct or outcome of the tendering process.
5. The participating bidders bids will be evaluated Item Wise and IDRBT may place purchase orders with one or more successful bidders.
6. IDRBT reserves the right to reject all or any of the quotations without assigning any reason thereof.
7. The bidder should work in close association with other vendors/service providers working for IDRBT.
8. The decision of IDRBT shall be final.

5 Bidding Process

A two stage bidding procedure will be followed. The response to the present tender should be submitted in two parts i.e. the Technical Bid and the Commercial Bid.

a. The Technical Bid:

The Technical Specifications of Desktops, L2 Switch and Peripherals is enclosed as **Annexure II, III, IV and V**.

The bidders are required to submit a Technical Bid highlighting the features of proposed Bill of Material and compliance. The bidders can use the same Technical Bid format sheet for submitting Technical Bid compliance.

b. The Commercial Bid:

The bidders are required to submit a Commercial bid as per the Commercial Bid format enclosed as **Annexure VI**.

In the first stage, only the 'Technical Bids' of those who fulfil the **Eligibility Criteria** will be opened and evaluated. Those bidders satisfying the technical requirements of Annex – II, III, IV and V as determined by the IDRBT and as per the requirements/specifications and the

terms and conditions of this document, shall be short-listed.

In Second Stage, Commercial bids of the technically qualified vendors will be opened. The commercial bids will be evaluated based on L1 criteria. The bidder who quote the lowest price shall be considered as L1.

The participating bidders bids will be evaluated Item Wise and IDRBT may place purchase orders with one or more successful bidders. The Bidder must organize the bid in accordance with the format specified in the tender document. The cost of bidding and submission of tender documents is the responsibility of bidders, regardless of the conduct or outcome of the tendering process.

The Bid is liable to be rejected if any commercial details are found along with the technical bid.

c. List of Annexures:

Sno	Formats	Description	Qty	Submission
1	Annexure - I	Bidder Eligibility Criteria	-	Mandatory
2	Annexure - II	Technical Specification for Desktops Type - I	33+8	Mandatory
3	Annexure – III	Technical Specification for Desktops Type - II	2	Mandatory
4	Annexure – IV	Technical Specifications for L2 Switch	1	Mandatory
5	Annexure – V	Technical Specifications for IT Peripherals	1 Set	Mandatory
6	Annexure – VI	Commercial Bid Format	1+1	Mandatory
7	Annexure – VII	Manufacturer’s Authorization Form (MAF).	1+1	Mandatory
8	Form “A”	Performance Bank Guarantee.	-	Mandatory
9	Form “B”	Technical Deviation Statement.	-	Mandatory

6 Technical and Solution Requirement Specifications

Overview

The bidders are required to propose the Bill of Material supporting features/functionality as indicated in **Annexures** of this RFP. The Bill of Material shall be hosted at IDRBT, Hyderabad.

7 Scope of Work

The minimum specified scope of work to be undertaken by the selected bidder is mentioned below:

1. The “Scope of Work” will include **Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals for IDRBT, Hyderabad.**
2. The participating bidder should comply with Terms and Conditions and Supply of Bill of Material as per technical specification mentioned in **Annexures II, III, IV and V** of this RFP.
3. The proposed desktops should be Pre-Built/Assembled based on the RFP technical

specifications. However, the electronic parts or modules should be used from OEM with quality and standards.

4. The bidders shall provide 3 year onsite warranty of the material delivered to IDRBT.
5. The bidders shall arrange to repair or replace of any item not working as per the requirements of this RFP during the warranty period.
6. The accessories / peripherals should be compatible with assembled desktops, in case of any issued observe during warranty period, the successful bidder has to repair or replace the accessory / peripherals.
7. The successful bidder shall provide escalation matrix for supplied devices for support and services after delivery.
8. The Successful bidder has to Supply, Installation, Support/Services and Maintain the following for IDRBT at Hyderabad.

3.1 Pre-Built/Assembled Desktops (Type – I and II)

- a. Should rack mount the servers in the rack identified by IDRBT
- b. Should install, configure Operating Systems and integrate Desktops with IDRBT LAN network and security devices, as per IDRBT requirements.
- c. Should enable communication between the following.
 - i. LAN to Servers and Virtual Machines.
 - ii. Between Virtual Machines
 - iii. Enable security features to restrict access between Virtual Machine.

a.

3.2 L2 Switches

- a. Should rack mount the L2 switch in the rack identified by IDRBT
- b. Should configure and harden the IOS of L2 Switch and enable configuration required for integrating with Servers and Firewall in coordination with IDRBT.
- c. Should enable communication between following
 - i. LAN to Servers
 - ii. Servers to WAN network - INTERNET
 - iii. Servers in DMZ to Servers in Trusted Zone.

3.3 Other Peripherals

- a. The Peripherals proposed in RFP should be suitable, compatible with above Desktops, L2 switch and other device implemented at IDRBT.
4. The proposed Bill of Material should have provision of handshake / interface / integration with IDRBT's existing hardware, software and network.
5. The bidder should fix all the technical problems, provide and implement upgrades, updates free of cost to IDRBT, as and when released by the OEM during warranty.

6. The bidder to have back-to-back arrangement with OEM for Warranty and AMC, Certificate for the same to be provided along with Technical bid. A Letter of warranty and support from respective Original Equipment Manufacturer's (OEM) shall also be submitted in addition to a letter from respective Manufacturer's Authorization Form for the contract period.
7. The bidder to provide all necessary hardware and software required to make this solution work strictly as per following technical specifications. The specifications given are minimum. Bidder can quote equivalent or higher technical specifications to the IDRBT's requirements. However, no weight age would be given for higher configurations.
8. IDRBT shall promptly notify the successful bidder in writing of any claims arising under this warranty. Upon receipt of such notice, the bidder shall with all reasonable speed, repair or replace the defective products or part thereof without cost to the IDRBT.
9. System maintenance, Support and Preventive maintenance:
 - a) The bidder shall provide free maintenance services during the period of warranty.
 - b) The successful bidder shall ensure that faults and failures intimated by IDRBT as above are set right within 24 hours of being informed of the same.

8 Training

A Comprehensive training shall be the key to successful Operations and Maintenance; hence, the successful bidder is required to provide training (for three days) to IDRBT nominated Officials at IDRBT, Hyderabad The training documents, including Operating Manuals, Standard Operating Procedures (SOP) for the proposed solution shall be prepared and shared by the successful bidder with IDRBT. The successful Bidder is free to propose the training plan. However, at a minimum, the plan shall include the following:

Sr No	Training Description
1	Overview of the components Installed
2	Technical Architecture
3	Operating procedure Hardware and Software
4	Technical and Operational Manual of the solution
5	Handling worst case scenarios

The above plan is only indicative; the final training plan shall be finalized between the successful bidder and IDRBT.

No separate charges will be paid for training.

9 User Acceptance Test

The implementation shall be deemed as completed in all respects only after

- a. as per the intent of this RFP;
- b. Enabling all the functionalities mentioned therein, i.e., go-live; and
- c. All the related trainings are completed and post training assessment carried out by IDRBT
- d. The successful bidder is expected to state the implementation plan and methodology and IDRBT's team and the successful bidder shall jointly decide the roll out methodology.
- e. IDRBT, prior to the initiation of the Operationalization phase, shall undertake a detailed UAT process.
- f. The User acceptance test will be carried out as per mutually agreed Acceptance Test Plan (ATP) against the systems requirements.
- g. The system will be considered accepted (supplied, installed and operationalized) only after ATP is completed as per the agreed plan and is duly signed/certified by the IDRBT and the successful bidder.

10 Period of Validity

All the prices and other terms and conditions of the offer proposed by the bidder should be **Valid** for a **minimum** period of **Six months**.

11 Correction of Errors

Arithmetic errors in bids will be treated as follows:

Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern.

Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate will govern unless, in the opinion of IDRBT, there is obviously a gross error such as misplacement of a decimal point, in which case the line item total will govern.

Where there is a discrepancy between the amount mentioned in the bid and the line item total present in the Bill of Material, the amount obtained on totaling the line items in the Bill of Materials will govern.

The amount stated in the tender form, adjusted in accordance with the above procedure, shall be considered as binding, unless it causes the overall tender price to rise, in which case the bid price shall govern.

12 Confidentiality

Bidder agrees that all mails, data, financial, mail architecture and personnel data relating to IDRBT's business and other information identified as confidential by the IDRBT, the

same shall be kept confidential and shall not be shared with any third party without prior written approval from IDRBT

13 Right to Verification

The IDRBT reserves the right to verify any or all statements made by the bidder in the tender document and to inspect the bidder's facility, if necessary, to establish to its satisfaction about the bidder's capacity to perform the job.

14 Insurance

Insurance for all the hardware components supplied under the contract shall be arranged by the Bidder at his own risk and cost throughout the period of delivery, implementation and final acceptance process.

IDRBT will not be responsible for any loss/damage/theft of any systems/goods due to any reasons whatsoever, claims etc., if the Bidder himself will deal any. Evidence of the insurance policy shall be submitted to IDRBT.

15 Delivery & Installation Period

The following time schedule for completion of the activities from the date of placement of orders should be strictly adhered to. Delay in delivery and installation may invite penalties for the vendors.

a)	Delivery	≤ 3 Weeks
b)	Installation and Operationalization	≤ 1 Week

16 Warranty

Three years' on-site comprehensive warranty covering all parts & labor from the date of acceptance of the systems by IDRBT. During the warranty period, the successful bidder will have to undertake comprehensive maintenance of the entire hardware, hardware components, systems software and accessories supplied by the vendor.

17 Payment Terms:

1. Hardware items: A payment of 90 percent (90%) of the contracted sum, would be payable on successful installation, integration and issue of acceptance certificate to that effect by the Institute.
2. 10 percent (10%), would be payable after successful warranty period is over from the date of acceptance or payable against PBG of the contracted sum valid for 3 years.
3. All payments will be released based on separate invoices submitted to Institute by the vendor.

18 Obligations of Successful Bidder

- a. The successful bidder has to supply all the components, services and licenses to make solution complete and operational.
- b. The successful bidder shall deploy their own computing resources and trained and experienced engineers for implementing, managing and maintaining the system.
- c. Whenever any new threats / vulnerabilities become public, The successful bidder shall bring this to the notice of IDRBT immediately and help/guide IDRBT in plugging the same. Once the call has been attended, successful bidder engineers shall put their maximum efforts and deploy their best resources to resolve all calls at the earliest possible time frame and ensure uptime.
- d. The successful bidder to ensure that during implementation of complete, the critical services hosted at IDRBT, Hyderabad shall not face any downtime due to security breach, security incident, improper configuration of security units/ appliances/ components.

19 Order Cancellation:

IDRBT reserves its right to cancel the order in the event of delay in delivery and installation beyond the stipulated time.

20 Penalty for Delay:

For any delay in installation and commissioning of the equipment beyond the specific period, IDRBT will charge penalty @ 0.5% of the order per week or part thereof, subject to a maximum of 6%. In case, the amount equal to 6% of the order value is deductible as penalty and the vendor is still unable to complete successful Installation, the Institute reserves the right to cancel the order and no payment will be made to the vendor.

21 Repeated failure

During the warranty period if any system as a whole or any subsystem has any failure on two or more occasions in a period of 3 months, it shall be replaced by equivalent new equipment or any alternative steps are to be taken which would serve the purpose to the Institute. Every quarter engineer has to visit and check the server performance or any corrective maintenance or patch updates required for smoother operation and also as and when desired by the institute for technical help or installation help.

The bidders are required to adhere to tendering norms and no undue explanation, request for change in due date of bid submission, etc. will be offered by the Institute. Any request of any kind from the bidder before the bid submission due date must be forwarded to the undersigned in writing. The Institute reserves the right to accept or reject the bidder request without offering any explanation or reason for the acceptance or rejection. However, in case of any change/amendment in the tender content, all vendors participating in the tendering process would be informed in writing and sufficient time would be provided to adhere to such change/amendment

22 Resolution of Disputes

IDRBT and the bidder shall make every effort to resolve amicably, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the contract. If after thirty days from the commencement of such informal negotiations, IDRBT and the bidder have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution by formal arbitration.

23 Indemnification

1. The bidder/ successful bidder at its own cost and expenses defend and indemnify the Institute against all third-party claims including those of the infringement of Intellectual Property Rights, including patent, trademark, copyright, trade secret or industrial design rights, arising from use of the Products or any part thereof in India.
2. The bidder shall expeditiously meet any such claims and shall have full rights to defend itself there from. If the Institute is required to pay compensation to a third party resulting from such infringement, the bidder shall be fully responsible therefore, including all expenses and court and legal fees.
3. The Institute will give notice to the Bidder of any such claim and shall provide reasonable assistance to the bidder disposing of the claim.
4. The bidder shall also be liable to indemnify the Institute, at its own cost and expenses, against all losses/damages, which the Institute may suffer on account of violation by the bidder/successful bidder of any or all national/international trade laws, norms, standards, procedures, etc.

24 Liquidated Damages

The liquidated damages is an estimate of the loss or damage that the Institute may have suffered due to delay in performance or non-performance of any or all the obligations (under the terms and conditions of the purchase contract relating to supply, installation, operationalisation, implementation, training, support/services, acceptance, maintenance, etc., by the bidder/successful bidder and the bidder/successful bidder shall be liable to pay the Institute a fixed amount for each day of delay / non-performance of the obligations by way of liquidated damages, details of which will be specified in the RFP. Without any prejudice to the Institute's other rights under the law, the Institute shall recover the liquidated damages, if any, accruing to the Institute, as above, from any amount payable to the Bidder either as per the RFP, executed between the parties or under any other purchase agreement / contract, the Institute may have executed / shall be executing with the bidder/successful bidder.

25 Force Majeure

The bidder/successful bidder or the Institute shall not be responsible for delays or non-performance of any or all contractual obligations, caused by war, revolution, insurrection, civil commotion, riots, mobilizations, strikes, blockade, acts of God, Plague or other

epidemics, fire, flood, obstructions of gation by ice of Port of dispatch, acts of government or public enemy or any other event beyond the control of either party, which directly, materially and adversely affect the performance of any or all such contractual obligations.

If a Force Majeure situation arises, the bidder/successful bidder shall promptly notify the Institute in writing of such conditions and any change thereof. Unless otherwise directed by the Organization in writing, the bidder/successful bidder shall continue to perform his obligations under the contract as far as possible, and shall seek all means for performance of all other obligations, not prevented by the Force Majeure event.

26 Jurisdiction

The jurisdiction of the courts shall be Hyderabad.

For any questions/clarifications related to requirements, please contact us at itprocurement@idrbt.ac.in

Annexure I

Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022 - Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals at IDRBT, Hyderabad

Sno	Bidders Eligibility Criteria	Full Compliance (Y/N)	Provide Documentary evidence
1	The Bidder shall provide evidence that it is a current legal entity.		
2	The Bidder/System Integrator should be the authorized representative /partner of respective OEMs. The proof in support of the same must be enclosed.		
3	The Bidder should have experience in the following fields: Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals for the organizations across India.		
4	The Bidder must warrant that key project personnel, should have minimum OEM certified engineers or equivalent certification on supplied Bill of Material, to be employed in this project have been sufficiently involved in similar past installation.		
5	The Bidder must have back-to-back support relation with the OEM's whose products are offered by the bidder to IDRBT. The proof in support of the same must be enclosed.		
6	The bidder should be profit-making company.		
7	The last three financial years' audited Balance Sheet and Profit and Loss reports shall be provided duly signed by concerned authorities.		
8	The Bidder must demonstrate that it has been engaged in providing similar services for other large National /International Financial / Banking Institutions.		
9	The Bidder shall provide references (including Referee names and contact details) in respect of major projects of similar type completed in the last three (3) years by the Bidder in any large organization and having its offices/branches across India.		
10	The Bidder must warrant that there is no legal action being taken against it for any cause in any legal jurisdiction. If such an action exists and the Bidder considers that it does not affect its ability to deliver the RFP requirements, it shall provide details of the action(s).		
11	The cost of bidding and submission of tender documents is entirely the responsibility of bidders, regardless of the conduct or outcome of the tendering process.		
12	Details regarding the fulfilment of the eligible criteria should be submitted as per Annexure – I.		

Annexure – II

Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022 - Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals at IDRBT, Hyderabad

Technical Specification and Technical bid format for Pre-Built/Assembled/Customised Desktops Type - 1

Sl. No	Parameter	Specification for Server	Complied (Y/N)	Comments
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Quantity	10		
4	Form Factor	Tower Model		
5	CPU	Core i7 11700 or equivalent x86_64 CPU capacity of 20 GHz (Intel/AMD with DPDK support)		
6	Chipset	Intel/AMD latest chipsets		
7	Motherboard	Gigabyte Motherboard		
8	RAM	16 GB RAM (2x8 – DDR4, 3 GHz or better), Future upgradeable to 64 GB RAM		
9	Disk Drives	SSD: Minimum 1 x 512 GB (Upgradeable with additional SSD)		
10	USB Port	Minimum 3 USB 3.0 ports or more.		
11	Bus Slots	4No. of Slots as per OEM Standards. Dual 10Gbps network port requirements. Minimum two spare PCIe-slot for GPU and NIC		
12	Power Supply	440 Watts Power Supply with necessary cables/cords.		
13	Delivery	The bidder shall provide all the necessary tools & tackles licenses, cables / connectors for Ethernet / Fibre / USB / Power etc. required for making the system operational.		
14	Warranty	3-year onsite warranty with 98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 48 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		

Annexure – III

Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022 - Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals at IDRBT, Hyderabad

Technical Specification and Technical bid format for Pre-Built/Assembled/Customised Desktops Type -II

Sl. No	Parameter	Specification for Server	Complied (Y/N)	Comments
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Quantity	10		
4	Form Factor	Tower Model		
5	CPU	Core i7 11700 or equivalent x86_64 CPU capacity of 20 GHz (Intel/AMD with DPDK support)		
6	Chipset	Intel/AMD latest chipsets		
7	Motherboard	Gigabyte Motherboard		
8	RAM	32 GB RAM (2x16 – DDR4, 3 GHz or better), Future upgradeable to 64 GB RAM		
9	Disk Drives	SSD: Minimum 1 x 512 GB (Upgradeable with additional SSD)		
10	USB Port	Minimum 3 USB 3.0 ports or more.		
11	Bus Slots	4No. of Slots as per OEM Standards. Support Dual 10Gbps network port requirements. Minimum two spare PCIe-slot for GPU and NIC		
12	Power Supply	500 Watts Power Supply with necessary cables/cords.		
13	Delivery	The bidder shall provide all the necessary tools & tackles licenses, cables / connectors for Ethernet / Fibre / USB / Power etc. required for making the system operational.		
14	Warranty	3-year onsite warranty with 98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 48 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		

Annexure – IV

Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022 - Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals at IDRBT, Hyderabad

Technical Specification and Technical bid format for L2 Switch

Sl. No	Parameter	Specification for Server	Complied (Y/N)	Comments
1	Make	Bidder to Specify\Made-in-India preferred		
2	Model	Bidder to Specify		
3	Quantity	3		
4	Switch Type	Managed switch 28 Port		
5	Ports (10/100/1000)-24	24		
6	Ports (SFP)-2	2		
7	Ports (Gigabit Copper/SFP combo)	2		
8	Packet Buffer-	12 Mb		
9	Memory (Flash)-	256 MB		
10	Capacity (active VLAN)	4096		
11	Memory (RAM)	512MB		
12	Capacity	64-byte packets-41.66 Mpps		
13	Capacity	60.0 Gbps		
14	Power (Frequency)-	50 to 60 Hz		
15	MAC Address table size	16k entries		
16	Combo Ports (RJ-45 + SFP)	2 SFP slots, 2 Gigabit Ethernet combo		
17	Rack Height	1 RU		
18	RJ-45-based ports-	24 Gigabit Ethernet		
19	Mounting Kit-	Included		

Annexure – V

Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022 - Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals at IDRBT, Hyderabad

Technical Specifications for IT Peripheral devices

Sr.No	Peripheral Specifications	Qty	Proposed Make/Model	Full compliance (Y / N)	Provide documentary evidence
1	Assembled System-Type-1 with	10			
2	Assembled System-Type-2 : Extend Type-1 to	10			
3	L2 Managed switch	3			
4	DPDK compliant 2-Port 10Gbps Ethernet Card - compatible with Assembled System – Type 1 and 2 - X710-DA2 or better.(In built with SFP+ module)	12			
5	Cable length of 10 meters of 10G	12			
6	IP KVM switch – USB+HDMI+DVI – 8 ports + adaptors	2			
7a	GPU - Tesla T4 or better	2			
7b	GPU - v100 or better	2			
7c	GPU - Nvidia p100 or better	2			
8	12U networking equipment rack with fan and power chord	6			
9	Web controlled Smart power strip (Wi-Fi) – 10 Amp – 4 port or better	5			
10	RAM – 16GB 2666 MHz SODIMM	12			
11	Standard Wired Optical Mouse	6			
12	Standard Wired Keyboard	6			
13	Standard Monitors - 27" LED Monitor with 1920 x 1080 Resolutions, bezel-less LED, Full HD Monitor with HDMI Ports, and DPI ports. (With HDMI cables)	6			

Annexure – VI

Commercial Bid Format - Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022 - Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals at IDRBT, Hyderabad

Sno	Description	Qty (a)	Unit Price (b)	Total Amount in Rs (c) = a*b	Taxes in % (d)	Taxes e=d*c	Total Amount in Rs f= e+c
1	Assembled System-Type-1 with	10					
2	Assembled System-Type-2 : Extend Type-1 to	10					
3	L2 Managed switch	3					
4	DPDK compliant 2-Port 10Gbps Ethernet Card - compatible with Assembled System – Type 1 and 2 - X710-DA2 or better.(In built with SFP+ module)	12					
5	Cable length of 10 meters of 10G	12					
6	IP KVM switch – USB+HDMI+DVI – 8 ports + adaptors	2					
7a	GPU - Tesla T4 or better	2					
7b	GPU - v100 or better	2					
7c	GPU - Nvidia p100 or better	2					
8	12U networking equipment rack with fan and power chord	6					
9	Web controlled Smart power strip (Wi-Fi) – 10 Amp – 4 port or better	5					
10	RAM – 16GB Non-ECC	12					
11	Standard Wired Optical Mouse	6					
12	Standard Wired Keyboard	6					
13	Standard Monitors - 27" LED Monitor with 1920 x 1080 Resolutions, bezel-less LED, Full HD Monitor with HDMI Ports, and DPI ports. (With HDMI cables)	6					

	Grand Total in Rs. Inc taxes						
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Annexure – VII**MANUFACTURER'S AUTHORISATION FORM (MAF)**

No. _____ Dated _____

To

Tender No IDRBT/SYS/VR/192/2021 – 2022 dated 2nd February 2022 - Supply, Installation, Support/Services and Maintenance of Pre-Built/Assembled Desktops, L2 Switch and Peripherals at IDRBT, Hyderabad.

We _____ who are established and reputable manufactures of _____ having offices at _____ and _____ do hereby authorize

M/s _____ (Name and address of Agent /Dealer) to offer their quotation, negotiate and conclude the contract with you against the above invitation for tender offer.

We hereby extend our full guarantee and warranty as per the terms and conditions of the tender and the contract for the equipment and services offered against this invitation for tender offer by the above firm.

Yours faithfully,

(Name) for and on behalf of M/s _____ (Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a competent person of the manufacturer.