

**INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH  
GOREGAON (EAST), MUMBAI**

**TENDER DOCUMENT FOR  
Supply, Installation and Configuration of CORE Networking Switches for  
Computer Centre ,IGIDR**

NIT No: IGIDR/Tender/2020-21/CC/05

INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH

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Gen. A.K. Vaidya Marg, Film city Road, Santosh Nagar, Goregaon (EAST), MUMBAI-400065.

TELEPHONE: 022 2841 6200 / FAX: 022 2841 6399.

## INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, MUMBAI

### Notice Inviting Tender

“NAME OF THE WORK: **Supply, Installation and Configuration of CORE Networking Switches for the Computer Centre** at INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, GOREGAON, MUMBAI – 400 065.”

1. Institute invites sealed bids from reputed vendors for the following work:

Name of work	Period of completion	Estimated Cost
(1)		
<b>Supply, Installation and Configuration of CORE Networking Switches for Computer Centre</b>	<b>30 days</b>	<b>10 lakhs</b>

The tenders being invited from eligible Agency/systems integrators/resellers having relevant experience for supply and installation and configuration of networking switches . IGIDR reserves its right to award the work to the successful bidder.

2. Bidder has to submit Earnest Money Deposit Rs 20,000.00 only along with the bid.
3. Tender in sealed envelope, supported by prescribed annexure; EMD, Technical bid & financial bid shall be placed in separate sealed envelopes each marked as “**Envelope-1: EMD**”, “**Envelope-2: Pre-qualification & Technical Bid**”, “**Envelope-3: Financial bid**” respectively. All three envelopes shall be submitted together in another sealed envelope endorsed “Tender for “**Supply, Installation and Configuration of CORE Networking Switches for Computer Centre**”. The bidder also submit the **scan copy** of the “**Pre-qualification technical bid**” and **EMD details (DD/FD/BG/UTR) through email to E-mail id [tender@igidr.ac.in](mailto:tender@igidr.ac.in) with Subject “EMD-Pre-qualification Technical bid**” attaching a single zip file or single PDF file.
4. Last date of submission of the Tender document shall be up to **3:00 PM on February 15, 2021**. No tender will be accepted after 3:00 PM on **February 15, 2021** under any circumstances whatsoever.
5. The Institute reserves the right to reject any prospective application without assigning any reasons whatsoever.

REGISTRAR

**SECTION-A**

LETTER OF OFFER \*

Date \_\_\_\_\_

The Registrar,  
Indira Gandhi Institute of Development & Research,  
Gen. A.K. Vaidya Marg, Filmcity Road,  
Goregaon (East), Mumbai 400065.

**Subject: Supply, Installation and Configuration of CORE Networking Switches for Computer Centre**

Reference: NIT No: IGIDR/Tender/2020-21/CC/05

Date:

Dear Sir,

With respect to your above mentioned tender, I / We hereby submit my / our tender in the required format along with Company Profile and supporting documents.

Should this tender be accepted, I/We hereby agree to abide by and fulfill the terms and provisions of the said Conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit the EMD and pay to the IGIDR the amount mentioned in the said Conditions.

I/We have deposited earnest money through **NEFT/DD/FDR/BG/** to the IGIDR, which will not bear any interest.

Should I/We fail to execute the contract when called upon to do so. I/We do hereby agree that this sum shall be forfeited by me/us to the IGIDR.

I / We have carefully gone through the terms and conditions prescribed and I / We accept the same in to without any alterations / modifications.

Yours faithfully,

**Signature**

Name & seal of Contracting

Agency/firm/company

\*To be printed on company Letterhead and scanned or Digitally signed pdf document

## SECTION-B

### GENERAL INSTRUCTIONS TO TENDERER

Sealed Tender should be addressed to The Registrar, Indira Gandhi Institute of Development Research, Goregaon (East), Mumbai-400065

1. If applicable Bidder has to submit Earnest Money Deposit Rs.20,000.00 through DD/FDR/BG/NEFT to “INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH”, Account No: 010220100010001, IFS Code: BKID0000102 , BRANCH NAME: I G I D R , BANK NAME : BANK OF INDIA and UTR NO with screenshot of transaction should be included in the part of tender document towards Earnest Money.
2. The Earnest Money deposit by a Demand Draft/ Bank Guarantee issued by a Schedule Bank drawn in favor of Indira Gandhi Institute of Development Research, Mumbai shall be accepted by the Institute. A tender which is not accompanied by EMD(if applicable) will not be considered. The EMD will be returned to the bidder if their tender is not accepted by the Institute but without Interest. The EMD paid by the successful bidder shall be held/encashed by the IGIDR as security for execution and fulfillment of the contract. No interest shall be paid on this deposit. **The bidders who are exempted from submission of EMD, bidders should submit the copy of certificate issued by Micro and Small Enterprises (MSEs).**
3. The **Envelope-1 & 2** with subject “**EMD, Technical & Prequalification bid for “Supply, Installation and Configuration of CORE Networking Switches for Computer Centre”**” shall be opened by REGISTRAR or his authorized representative in his office on the same day at **4:00 PM**. In case, holiday is declared by the Government on the day of opening the bids, the bids will be opened on the next working day at the same time.
4. **Financial bid** of only qualified bidders will be opened. The date of opening of financial bid shall be informed by the institute to the qualified bidders.
5. Tenders shall remain valid for acceptance by the Institute for a period of three months from the date of opening of the tender which period may be extended by mutual agreement and the bidder shall not cancel or withdraw the bid during this period.
6. The bidder must use only the formats issued by the Institute to fill in the rates. Any addition/alteration in the text of the Tender form made by the bidder shall not be valid and shall be treated as null and void.
7. The Tender form must be filled in English. If any of the documents is missing or unsigned, the tender may be considered invalid by the Institute in its discretion.
8. Rates should be quoted both in figures and in words in columns specified. Overwriting of figures is not permitted. Failure to comply with either of these conditions will render the tender void at the Institute's option. No advice whatsoever especially on any change in rate specifications after the opening of the tender will be entertained.
9. Each Page of the Tender Documents should be stamped and signed by the authorized person or persons submitting the Tender in token of his/their having acquainted himself/themselves with the General terms & conditions, specifications, special conditions of contract, etc. as laid down. Any Tender with any of the documents not so signed will be rejected.

10. The successful bidder will have to deposit a Performance Security Deposit of 10% of order value, within 30 days of the receipt of the formal order. The performance security will be furnished in the form of an account payee Demand Draft, FDR or Bank Guarantee from a commercial bank drawn in favour of “The Registrar, Indira Gandhi Institute of Development Research, Mumbai” payable at Mumbai. The performance security should remain valid for warranty/contract period specified in tender. This deposit shall be forfeited in case the contractor, who fails to discharge its duties/commitments or whose contract is terminated prematurely. No interest will be paid on Security Deposit withheld by the Institute.

11. The Institute does not bind itself to accept the lowest or any tender and reserves to itself the right to accept or reject any or all the Tenders, either in whole or in part, without assigning any reasons for doing so.

12. On receipt of intimation from the Institute of the acceptance of their tender, the successful vendor/contractor shall be bound to sign the formal contract /Purchase order and acknowledge the same within seven days .

13. Tender bid must include in their rates, applicable GST and any other tax and duty or other levy in force levied by the Central Government or any State Government or Local Authority, if applicable

14. The intending bidder can obtain any clarifications regarding the tender document, scope of work etc. if any from the office of the department **Computer Center, Mr Lingaraj Panda, Email: [lingaraj@igidr.ac.in](mailto:lingaraj@igidr.ac.in), Tel:28416548/581 Mobile:9967635444** on any Institute`s working day.

I/We hereby declare that I/we have read and understood the above instructions and the same will remain binding upon me/us.

Place :

Signature of Bidder

Date :

With the seal of their company

**SECTION 'C'**  
**TERMS AND CONDITIONS**

Upon the declaration of an intending vendor/bidder to be the Successful Bidder by the Institute, they shall be subject to the following terms and conditions that shall form part of the Formal Contract to be executed with the Institute.

1. The successful bidder shall not assign the sub-contract. In case of breach of these conditions, the IGIDR may serve a notice in writing on the Contractor rescinding the contract.

2. The successful bidder shall carry out all the work strictly in accordance with scope of work, technical specifications and as per detailed instructions of the Institute.

3. The successful bidder must cooperate with the other contractor appointed by the Institute so that the work shall proceed smoothly to the satisfaction of the Institute.

4. In all matters of dispute arising on the work, the matter shall be referred to **The Registrar ,Indira Gandhi Institute of Development Research, Goregaon** for a mutual decision.

5. **Arbitration Clause:** In the event that the Successful Bidder is not satisfied by the decision of the Registrar, Indira Gandhi Institute of Development Research, the dispute shall be settled by arbitration in accordance with the provisions of arbitration and conciliation act, 1996 or any enactment thereof. The Arbitral Tribunal shall consist of one arbitrator, to be appointed by the Institute. The place of arbitration shall be Mumbai and any award whether interim or final, shall be made, and shall be deemed for all purposes between the parties to be made in Mumbai. The arbitration proceedings shall be conducted in the English language and any award or awards shall be rendered in the English language. The procedural law of the arbitration shall be the Indian law. The award of the arbitral tribunal shall be final, conclusive and binding upon the Successful Bidder and the Institute.

6. **Payment Terms:**

i.Payment will be released only after successful installation and commissioning of the equipment ordered. No advance payment will be made.

ii.Income tax and all other applicable taxes shall be deducted at source as per prevailing Govt. Rules in this regard.

7. **Delivery & Installation:** The items ordered must be delivered, installed and commissioned within a period of 30 days from the date of placing the purchase order. The installation will be considered complete and

warranty period will commence only when all the components of hardware, software, etc. are installed, commissioned and working satisfactorily.

**8. Warranty and Support:**

Switches should have a **5 years** comprehensive onsite warranty/support 8x5xNBD from the date of successful installation.

**9. Penalty:**

If the selected firm fails to deliver the service, penalty to such effect would be charged. IGIDR reserves rights to forfeit the security deposit if any.

I/We hereby declare that I/we have read and understood the above terms and conditions that form part of the Formal Contract to be executed between I/us and the Institute. The same shall be binding upon me/us upon being declared as the Successful Bidder.

Place :

Signature of Bidder

Date :

With the seal of their company

## SECTION-‘D’

### PRE-QUALIFICATION CRITERIA

#### **Pre-Qualification Documents to be submitted by Bidder along with Pre-qualification Bid:**

#### **Eligibility for Bidders**

The Agencies that fulfil the following requirements shall be eligible to apply:

- a) Copy of Registration of Firm Certificate of Incorporation of company or Partnership deed.
- b) Copy of Registration of Goods & Service Tax and PAN
- c) The bidder should have an average annual turnover of INR 1 crore in the last 3 financial years. Submit copies of audited Balance Sheet and Profit & Loss account /CA Certificate for the last three years.
- d) OEM certificate/ authorization letter related to the tender.
- e) Either the Registered Office or one of the Branch Offices of the bidder should be located in Mumbai, Mumbai suburban, Thane and Navi Mumbai .
  - f) The OEM / their authorized partners should have at least **five years of experiences** in similar volume of works of supply, installation and maintenance of networking switches for the Government (State/ Central/Autonomous) organization/institutes/universities, as on tender submission deadline.
    - i) at least 01 similar work of value not less than Rs. 8 Lakh OR ii) at least 02 similar works of value not less than Rs. 6 Lakh OR iii) at least 03 similar works of value not less than 4 lakh. References order copy proof of completion certificate for the project must be provided.
- g) The bidder should not be black listed by any Govt. organization /PSU during last 3 years. A declaration certificate to this effect is to be submitted as per the format given in Annexure-1.

Bidders must submit documentary proof in support of meeting each of the above minimum qualification criteria. A simple undertaking by the bidder for any of the stated criteria will not suffice the purpose. All documentary proof must be listed on the **letterhead** of the company, to be submitted along with the qualification bid duly stamped and signed by the authorized person of the agency.



- **Information to be furnished by the bidder:**

Sr. No.	Item	Information to be filled by Bidder
1	Name of the bidder	
2.	Address	
2	Telephone Number: Office: Mobile Number of contact person/account manager Fax No. E-Mail address-	
3	Details of Registration (number & date)	
4	Month and Year in which the firm / company was formed/ incorporated.	
5	Type of organisation (Sole Proprietor, Partnership, Pvt. Ltd., Public Ltd., etc.)	
6	Enclose copy of partnership deed, Articles of Association or Affidavit (in case of firm)	
7	Average Annual Turnover of Last Three Financial Year (attached audited balance sheet & profit & Loss account)	FY 2019-20..... FY 2018-19..... FY 2017-18.....
8	NEFT BANK DETAILS	

## SECTION-‘E’

### Technical BID

IGIDR is deemed to be a university and an advanced research institute established by Reserve Bank of India. It is spread across 14 Acres of land and the institute has a small datacenter (server room) .The entire campus is inter-connected with Local Area Network, WiFi, connecting desktops and laptops and mobile devices. The Data Center provides all the services 24 x 7 to users.

IGIDR invites quotations from the reputed vendors for supply, installation and support of industry standard networking switches.

### **SPECIFICATION & Scope**

The scope of the work involves following activities.

1. The Vendor shall supply , install and configure two industry standard switches stacking together with stacking cable in HA mode.

a. **The work shall include all components including all the parts and licenses.** Materials, if required for the installation of the above switches have to be supplied by vendor at free of cost.

b. The work involves removing the existing core switches and installing and configuration switches and creating all the existing VLANs, routing and if required re-configuring Access switch connected to the Core for smooth function of LAN with new core switches. Adding the switches to NMS (IPswitch Whatsup Gold) used by the Institute.

**c. The core switches will be connected to server switch (24 port 10 G Ethernet) with cat 6A or cat 7 cables . All access switches around 20 nos (24 port 1G with two SFP uplink ) from different buildings are currently connected to the core switch with 1G SFP modules and single mode fibre patch cable . The bidder should migrate these connections to the new core switches. Bidders should check that the existing 1G SFP module (brand Brocade ,E1MG-LX-OM) should be compatible with Core switches otherwise the 1G modules to be included in the cost (16 nos 1G SFP and 4 no’s 1G Ethernet modules for each core switch) .**

d. Contractor should visit the site before submission of the tender and ascertain the suitability for installation and configuration of the proposed work to be offered by them. Before quoting the rates, the bidder should inspect the site and get acquainted with work.

e. Annually preventive maintenance of equipment to ensure smooth operation of the equipment installed.

f. The Network engineer should be well trained customer support engineer in all respects i.e. well mannered, technically sound and having vast knowledge in the field. The bidder should have at least one qualified (CCNP or equivalent) Network engineer to configure / attend any service call immediately or within 4 hours from the time of the reporting the problem. Name and contact details along with the call matrix to be provided.

2. Warranty/Support & Maintenance.

The vendor shall provide support **8x5xNBD** to keep the systems in good working order for five years. Complete Technical support including upgradation of software for the equipment installed at IGIDR Campus by themselves or through OEM to resolve issues at IGIDR.

**BILL OF MATERIALS :**

Sl. No.	Name of Item	Unit	Qty.	Make & Model
1	Stackable L3 Core managed Switches as per technical specification. Preferred Brand : <b>Cisco/HP/CommScope(Ruckus)/Juniper/Extreme</b>	Nos.	02	Bidder to specify
2	Any other items/modules required for installation, configuration and integration of the system	lump sum		
	.			-

**Technical Specification for Core Switches**

Sr No	Features	Specification	Compiled (Y/N)
1	<b>No of ports</b>	24x 1G/10GX SFP+ ports having Minimum 4 x 1/10G Ethernet ports In case the minimum 4 ports are not 10G Ethernet then 4 qty of Transceiver of 10G ethernet modules should be supplied with day 1.	
2	<b>Mounting</b>	Rack Mountable	
3	<b>Switching Capacity</b>	Packet switching capacity should be minimum 240Gbps Switch should have minimum 95.2Mpps Forwarding rate Stacking bandwidth must be 40Gbps or more .	
4	<b>Latency</b>	1GBPS: < 4.4microsec, 10GBPS: < 3.1microsec	

5	<b>L2 L3 Features</b>	<ul style="list-style-type: none"> <li>● Minimum 16K MAC addresses per system</li> <li>● Supports 13KB jumbo frames</li> <li>● 2Mbytes(16Mbits) packet buffer</li> <li>● No. of VLANs supported: 4094</li> <li>● Static routing for IPv4 and IPv6</li> <li>● STP, RSTP, MSTP, STP root guard, Voice VLAN</li> </ul> <p>IGMP v1/v2/v3 snooping, IEEE 802.3ac VLAN tagging, IEEE 802.1v VLAN classification by protocol and port, IEEE 802.3az</p> <ul style="list-style-type: none"> <li>● Should support RIP, RIPng <ul style="list-style-type: none"> <li>● Should be scalable to OSPF, OSPFv3, PIM v4 SM, DM and SSM, for IPv4 and IPv6, MLD snooping, VLAN Q-in-Q Without changing base hardware</li> </ul> </li> </ul>	
6	<b>Security</b>	<ul style="list-style-type: none"> <li>● ACL based on L2/L3 headers, Dynamic VLAN assignment</li> <li>● DHCP snooping, IP Source guard, DAI, Private VLAN, management ACL</li> <li>● Authentication (MAC, Web and IEEE 802.3x), sflow, Radius, TACACS+, LAG, Loop protection and loop detection.</li> </ul>	
7	<b>Management</b>	<ul style="list-style-type: none"> <li>● CLI, GUI, RMON 4 groups, SNMPv3, LLDP</li> <li>● Digital optical monitoring, cable fault detection, DHCPv6, DNSv6, Telnetv6 and SSHv6, NTPv6, SSLv2 and SSLv3.</li> </ul>	
8	<b>Quality of Services</b>	<ul style="list-style-type: none"> <li>● Eight priority queues per port.</li> <li>● Policy based QoS based on VLAN, port and MAC</li> <li>● IEEE 802.1Q VLAN Tagging</li> <li>● Ethernet protection switched Rings (EPSRing)</li> <li>● Generic VLAN Registration Protocol (GVRP)</li> </ul>	
9	<b>Operating Temperature</b>	0°C to 40°C or better	
10	<b>Operating Humidity(non-</b>	10% to 95% (condensing)	
11	<b>Power</b>	<b>Redundant Power Supply</b>	
12	<b>NO EOS &amp; EOL</b>	<b>Product should not be End of sale or End of life</b>	

**Please submit a separate BOM with all the parts along with part no and data sheet of the product quoted.**

**SECTION-‘G’**

**Financial BID**

**(To be submitted on company/Firms Letterhead)**

NIT No: IGIDR/Tender/2020-21/CC/05

<b>Sl. No.</b>	<b>Name of Item</b>	<b>Unit Price</b>	<b>Qty.</b>	<b>GST</b>	<b>Total with tax</b>
1	Stackable L3 Core managed Switches as per scope & technical specification.  Preferred Brand : <b>Cisco/HP/CommScope(Ruckus) /Juniper/Extreme</b>  <b>Model:</b>	Nos.	02		
3	Any other items required for installation, configuration and integration of the system	lump sum			
				<b>Total Price</b>	

**Total quoted Amount in words :**

Date:

Sign & Stamp

**Annexure - A**

**FORMAT OF UNDERTAKING, TO BE FURNISHED ON COMPANY LETTER HEAD WITH REGARD TO BLACKLISTING/ NON- DEBARMENT, BY ORGANISATION UNDERTAKING REGARDING BLACKLISTING / NON – DEBARMENT**

To,  
The Registrar  
Indira Gandhi Institute of Development Research  
Film City Road, Santosh Nagar,  
Goregaon (East),  
Mumbai – 400 065.

We hereby confirm and declare that we, M/s -----, is not blacklisted/ De-registered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services during the last 5 years.

For M/s \_\_\_\_\_

Authorized Signatory

Date:

## Annexure - B

### **FORMAT FOR PERFORMANCE BANK GUARANTEE (PBG)**

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred)  
(TO BE ESTABLISHED THROUGH ANY OF THE NATIONALISED COMMERCIAL BANKS (WHETHER SITUATED AT Mumbai OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT Mumbai)

To, The Registrar, Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065

LETTER OF GUARANTEE

WHEREAS for Indira Gandhi Institute of Development Research(IGIDR), Goregaon East, Mumbai-400065 (Buyer) has invited tender vide Tender NIT ...

**dated .....**, for procurement of "Internet Leased Line Connectivity " Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065

AND WHEREAS the said tender document requires that eligible successful bidder (seller)..... wishing to supply the Item(s) etc. in response thereto shall establish an irrevocable Performance Bank Guarantee in favour of Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065 " in the form of Bank Guarantee for Rs ..... (10% of the contract value) and the Performance Bank Guarantee shall remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the seller, including warranty and AMC obligations from the date of issue of Performance Bank Guarantee and the eligible successful bidder (the seller) shall submit the same within 15 (Fifteen) days from the date of Award of Contract. NOW THIS BANK HEREBY GUARANTEES that in the event of the said bidder (seller) fails to abide by any of the conditions referred to in tender document / Award of Contract / performance of the equipment / machinery, etc. this Bank shall pay to Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065 on demand and without protest or demur Rs .....(Rupees. ).

This Bank further agrees that the decision of IGIDR (Buyer) as to whether the said bidder (Seller) has committed a breach of any of the conditions referred in tender document / Award of Contract shall be final and binding. We, ..... (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the bidder (Seller) and/ IGIDR (Buyer).

Notwithstanding anything contained herein: 1. Our liability under this Bank Guarantee shall not exceed Rs. ....(Indian Rupees only). 2. This Bank Guarantee shall be valid up to ..... (date) and 3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if IGIDR serve upon us a written claim or demand on or before.....(date). This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at ..... situated at..... (Address of local branch).

Yours

truly,  
Signature and seal of the guarantor:  
Name of Bank:  
Address

ANNEXURE -C  
(Network Diagram)

Physical Network Connectivity

