



Bid Number: GEM/2022/B/2296352

Dated: 28-06-2022

Bid Document

Bid Details	
Bid End Date/Time	12-07-2022 20:00:00
Bid Opening Date/Time	12-07-2022 20:30:00
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Education
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Technology Kanpur
Office Name	Kanpur
Total Quantity	4
Item Category	Network Switch-L3 for Cloud (Q2)
Years of Past Experience Required for same/similar service	3 Year (s)
MSE Exemption for Years Of Experience	Yes
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	80 %
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Time allowed for Technical Clarifications during technical evaluation	2 Days
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.
5. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.
6. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will

be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Network Switch-L3 For Cloud (4 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Basic Information	Type of Switch	Network Switch-L3 for Cloud
	Number of Years upto which ONSITE Support is available from OEM	3
Features of Network Switch-L3 for Cloud	Network Switch-L3 Features 1	1. The Switch capable to support non-blocking Layer 2 switching and Layer 3 routing., 2. Switch capable to counter any single point of failure like power supplies and fans etc. by having 1+1 for power supply and N+1 for FAN level of redundancy and both would be hot swappable., 3. Switch capability to support the complete STACK of IP V4 and IP V6 services., 4. Switch must have at least 48 x 10G/25G SFP ports and 6x 40/100 QSFP ports supporting multimode SFP and DAC for both 10G and 25G. The switch must be populated with at least 24X10G/25G modules and 4X40/100G modules., 5. Switch must have dedicated console and out of band 1Gbps port, 6. Switch capable to support VLAN tagging (IEEE 802.1q) and 4096 VLAN, Jumbo frames, IEEE Link Aggregation and Ethernet Bonding, MLAG or similar protocols., 7. The switch capable to support 100K IPv4 and 50K IPv6 routes entries in the routing table including multicast routes, 20k Mac address, 8. Switch capable to support minimum 256 VRF instances.

Specification	Specification Name	Bid Requirement (Allowed Values)
	Network Switch-L3 Features 2	1.Switch capable to support minimum 3.6Tbps of switching and L3 routing capacity ., 2. Spanning Tree Protocol (IEEE 8021.D,802.1W,802.1S) ., 3. Capable to Support broadcast, multicast and unknown unicast storm control to prevent degradation of switch performance from storm due to network attacks and vulnerabilities., 4. Switch capable to support all physical ports to use either in Layer2 or Layer 3 mode and also capable to support layer 3 VLAN Interface and Loopback port Interface ., 5. Switch capable to support static and dynamic routing (BGP and OSPF) for IPv4 and IPv6,multi instance MPLS and VXLAN routing using VRF/ VRF Edge/ Virtual Router routing and able to support VRF Route leaking functionality., 6. Switch capable to support for different type of QoS features for real time traffic differential treatment., 7. Switch capable to support Flow control of Ethernet ports to control traffic rates during congestion by allowing congested nodes to pause link operation at the other end for receiving traffic as per IEEE 802.3x., 8. Switch capable to support for deploying different security for each logical and physical interface using Port Based access control lists of Layer-2 to Layer-4 in IP V.4 and IP V.6 and logging for fault finding and audit trail.
	Network Switch-L3 Features 3	1. Switch capable to support for external database for AAA using TACACS+, RADIUS, 2. Switch capable to support for Role Based access control (RBAC) for restricting host level network access as per policy defined., 3. Switch capable to support for sending logs to multiple centralized syslog server for monitoring and audit trail ., 4. Switch capable to provide remote login for administration using SSH V.2., 5. Switch capable to support for capturing packets for identifying application performance using local and remote port mirroring for packet captures ., 6. Switch capable to support for management and monitoring status using different type of Industry standard NMS using in Ipv4 and Ipv6 environment using SNMPv1, SNMPv2c, SNMPv3 ., 7. Switch capable to support central time server synchronization using Network Time Protocol NTP V.4

Additional Specification Parameters - Network Switch-L3 For Cloud (4 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. SERVICES	1- DHCP+D4:D14v4/DHCPv6; Dynamic Trunking Protocol;Port Aggregation Protocol (PAgP); Link Aggregation Control Protocol (LACP); Local Proxy ARP; IGMP(IPv4/IPv6); Network Time Protocol (NTP); Auto negotiation; AutoQoS; GUI; IPv4/IPv6; CLI; (MANDATORY)

Specification Parameter Name	Bid Requirement (Allowed Values)
2- Network Security (MANDATORY)	2- 2- RADIUS authentication; IEEE 802.1X user distribution ; SSH ; SNMPv3 ; SPAN ; MAC Authentication Bypass (MAB) ; Dynamic VLAN assignment ;Syslog, NTP . (MANDATORY)
3-Stacking (MANDATORY) 4- Console port (MANDATORY) 5- DRAM 6- Flash Memory	3- YES [ALL (3-6)MANDATORY] 4- Required 5-Up to 512 MB 6- UP to 256 MB
7- Ports and SFP 8-Safety Certifications	7- 24-port models (1/10G uplinks) and Minimum 2 Ports [ALL (7-8)MANDATORY] 8- (a)IEEE 802.1D STP, IEEE 802.3ad,IEEE 802.1X (b) IEEE 802.1ab LLDP
9- Routing	9- RIPv1 ; RIPng ; RIPv2; OSPF; EIGRP ; Pv6 routing (using OSPFv3 and EIGRPv6) ; BGP ; IS-IS [MANDATORY]

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Tanima Hajra	208016,C3i Building, IIT Kanpur, GT Road, Kalyanpur, Kanpur 208016 (UP)	4	45

Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 2 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

3. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

5. Generic

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

6. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

7. **Generic**

Upload Manufacturer authorization: Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

8. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

9. **OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

10. **Purchase Preference (Centre)**

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and

such undertaking shall become a part of the contract.

11. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

12. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

13. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

14. **Certificates**

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): OEM AUTHORIZATION CERTIFICATE.

15. **Warranty**

Warranty period of the supplied products shall be as given in specifications from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

16. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

TERMS AND CONDITIONS SHOULD BE COMPILED (MANDATORY)

Most imp: SPECIFICATION MENTION IN SPECIAL PARAMETERS (ADDITIONAL PARAMETERS) WILL BE MANDATORY TO QUALIFY THE TECHNICAL REUIREMENTS (MUST BE COMPILED BY THE BIDERS)

- **WE ARE NOT EXEMPTED FROM GST.**
- **WE WILL NOT PROVIDE GST EXEMPTED CERTIFICATE.**
- **PLS. BID WITH ACTUAL GST RATE AS APPLICABLE.**
- **OEM AUTHORIZATION CERTIFICATE (MANDATORY).**
- **ITEM SPECIFICATION (DETAILED) / COUNTRY OF ORIGIN/ DELIVERY OF PERIOD AND WARRANTY MUST BE PROVIDED.**
- **TENDER MAY CANCEL AT ANY STAGE WITHOUT ANY JUSTIFICATION.**
- **ALL THE TAXES SHOULD BE MENTIONED PROPERLY ON THE TAX INVOICE.**

• PLS. MENTION FOLLOWING BELOW DETAILS (MANDATORY) DURING DELIVERY OF ITEMS:

1. ALL THE CONSIGNMENTS MUST BE SECURELY PACKED AND BOOKED DULY INSURED, FREIGHT PAID AND ADDRESSED TO THE CHIEF OPERATING OFFICER, IHUB NTIHAC FOUNDATION, C3I BUILDING, IIT KANPUR KALYANPUR KANPUR UP 208016.

2. GEM CONTRACT NO. AND GEM REFERENCE NO. SHOULD BE MENTION ON THE PACKAGE.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity/restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and/or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents/clauses shall also be null and void. If any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---