



Bid Number: GEM/2022/B/2631045

Dated: 12-10-2022

Bid Document

Bid Details			
Bid End Date/Time	22-10-2022 16:00:00		
Bid Opening Date/Time	22-10-2022 16:30:00		
Bid Offer Validity (From End Date)	45 (Days)		
Ministry/State Name	Ministry Of Science And Technology		
Department Name	Department Of Science And Technology (dst)		
Organisation Name	Indian Institute Of Astrophysics (iia)		
Office Name	Bengaluru		
Total Quantity	1		
Item Category	Layer 3 - Access Switch (Q2)		
MSE Exemption for Years of Experience and Turnover	nd No		
Startup Exemption for Years of Experience and Turnover	No		
Document required from seller	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		
Bid to RA enabled	Yes		
RA Qualification Rule	H1-Highest Priced Bid Elimination		
Time allowed for Technical Clarifications during technical evaluation	2 Days		
Evaluation Method	Total value wise evaluation		

EMD Detail

ePBG Detail

Advisory Bank	Bank Of Baroda
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	62

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Stores & Purchase Officer

Bengaluru, Department of Science and Technology (DST), Indian Institute of Astrophysics (IIA), Ministry of Science and Technology

(Vishnu Vardhan Kp)

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
MSE Purchase Preference	

MSE Purchase Preference	Yes

- 1. 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.
- 2. 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.
- 3. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:
 - i. If number of technically qualified bidders are only 2 or 3.
 - ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
 - iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
 - iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
 - v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Layer 3 - Access Switch (1 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)	
Specification	Maximum Number of Access /Downlink Ports	24, 48, 32 Or higher	
	Type of Switch	Non PoE, PoE, PoE+, UPoE, PoE++ Or higher	
	Number of 10/100/1000 Base-T Ports	8, 12, 24, 48, 0, 2, 4, 16, 32 Or higher	
	Number of Multi-Gigabit Ports	0, 4, 8, 12, 24, 48, 2, 16, 32 Or higher	
	Number of 1 G Base T Ports (Uplink)	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher	
	Number of 1 G SFP / Base X Port (Uplink)	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher	
	Number of 10 G Base T Port (Uplink)	24, 32, 48 Or higher	
	Number of 10 G SFP+ Port (Uplink)	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher	
	Number of 40 G QSFP+ Port (Uplink)	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher	
	Number of 100 G QSFP 28 Port (Uplink)	2, 4, 6, 8, 12, 16, 24, 48 Or higher	
Management Port (RJ 45/RS 232/USB)		Yes Or higher	
	RAM (MB)	4096, 8000 Or higher	
	Flash Memory (MB)	8000, 16000 Or higher	
	9K MTU Supported (Minimum)	Yes Or higher	
	Console Port	Yes Or higher	
	Redundant Power supply	Yes Or higher	
	Redundant Power Supply Type	Internal	
	Redundant Power Supply (Hot Swappable)	Yes Or higher	
	Redundant Fan	Yes Or higher	
	Redundant Fan (Hot Swappable)	Yes Or higher	
	Number of Open slot for additional Interface Card	1, 2, 3, 4, 0 Or higher	
Operating System		Yes	

Specification	Specification Name	Bid Requirement (Allowed Values)	
	Dedicated Stacking	Yes, No Or higher	
	Stacking Bandwidth (Gbps)	0, 40, 80, 120, 160, 320, 480 Or higher	
	Switching Capacity / Forwarding Bandwidth (Non Blocking / Line Rate /Wired Speed) 2x (Numbers of access ports + Number of Uplink Ports) (Gbps)	960.0 Or higher	
	Throughtput / Forwarding Performance (MPPS)	720.0 Or higher	
	Layer 2 Protocols	802.1Q VLAN, LAG, LACP, STP, MSTP, RSTP, VxLAN, IEEE 802.3x, VLAN	
	Number of VLAN Supported	4000 Or higher	
	Number of VLAN IDs Supported	4000 Or higher	
	Number of IPV4 Routes	40000 Or higher	
	Number of IPV6 Routes	40000 Or higher	
	Number of Mac Address Supported (k)	128, 256 Or higher	
	Basic Layer-3 Protocol from day 1	Static Routing, RIPv1, RIPv2, BGP, OSPFv2, OSPFv3, PBR	
	Advance Layer-3 Protocol from day 1	m OSPFv2, OSPFv3, PBR, BGP, BGP4, PIM-SM, PIM-SSM	
	Premium Layer-3 Protocol from day 1	BGP, BGP4, PIM-SM, PIM-SSM, VRF Lite, VRF, VxLAN, PIM-DM, VRRP, DCBX, 802.1Qbb, 802.1Qaz, EVPN	
	Security Feature	RA Guard,, DHCP Snooping, Dynamic ARP Inspection, ACL, 802.1x, RADIUS/ TACACS, Port Security, BPDU Guard, VRF Lite, IGMP snooping	
	Management Protocol	CLI, Telnet, TFTP,, SNMPv1, SNMPv2/ V2C, SNMPv3, NTP, Openflow 1.3, SSHv2, DLDP/UDLD	
	QoS 802.1p, SP, Queues per port, CAR, WRED/ WTE SNTP, Policing / Rate Limiting PoE Power Budget (Watt) 0, 60, 120, 180, 240, 350, 360, 715, 720, 1100 Or higher Dimension / Form Factor (RU)		
	Certification	RoHS	
	MTBF (Year)	7 Or higher	
	IPv6 Ready from day 1	Yes	
	On Site OEM Warranty (Year)	3, 4, 5 Or higher	

Additional Specification Parameters - Layer 3 - Access Switch (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)	
Warranty	Warranty for 5 years	

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporti ng Officer	Address	Quantity	Delivery Days
1	Vishnu Vardhan KP	560034,Indian Institute of Astrophysics 2nd block, Koramangala, Bangalore	1	45

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	RFP Document View	RFP Document with detailed technical specifications and scope of work	Layer 3 - Access Switch(1)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Buyer Added Bid Specific Terms and Conditions

1. Scope of Supply

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

2. 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.

3. Certificates

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

4. Warranty

Warranty period of the supplied products shall be 5 years 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.

5. Service & Support

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

6. Service & Support

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

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---