



Bid Number: GEM/2020/B/694043  
Dated: 01-07-2020

### Bid Document

Bid Details	
Bid End Date/Time	22-07-2020 17:00:00
Bid Opening Date/Time	2020-07-22 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Madhya Pradesh
Department Name	Science And Technology (information Technology) Department Madhya Pradesh
Organisation Name	Madhya Pradesh State Electronics Development Corporation Ltd
Office Name	State It Center Arera Hills Bhopal
Total Quantity	2
Item Category	Layer 3 - Access Switch
Bidder Turnover (Last 3 Years)	2 Lakh (s)
OEM Average Turnover (Last 3 Years)	16 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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	50 %
Bid to RA enabled	Yes
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required

No

**Splitting**

Bid splitting not applied.

1. 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 years as indicated 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 year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three 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 year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

**Layer 3 - Access Switch ( 2 pieces )****Technical Specifications**

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	<b>Maximum Number of Access /Downlink Ports</b>	24	24, 48, 32 Or higher
	<b>Type of Switch</b>	Non PoE	Non PoE, PoE, PoE+, UPoE, PoE++ Or higher
	<b>Number of 10/100/1000 Base-T Ports</b>	24	24, 48, 32 Or higher
	<b>Number of Multi-Gigabit Ports</b>	0	0, 4, 8, 12, 24, 48, 2, 16, 32 Or higher

<b>Number of 1 G Base T Ports (Uplink)</b>	0	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher
<b>Number of 1 G SFP / Base X Port (Uplink)</b>	2	2, 4, 8, 12, 16, 24, 32, 48 Or higher
<b>Number of 10 G Base T Port (Uplink)</b>	0	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher
<b>Number of 10 G SFP+ Port (Uplink)</b>	4	4, 8, 12, 16, 24, 32, 48 Or higher
<b>Number of 40 G QSFP+ Port (Uplink)</b>	0	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher
<b>Number of 100 G QSFP 28 Port (Uplink)</b>	0	0, 1, 2, 4, 6, 8, 12, 16, 24, 48 Or higher
<b>Management Port (RJ 45/RS 232/USB)</b>	Yes	Yes Or higher
RAM (MB)	2048	*
Flash Memory (MB)	1024	*
9K MTU Supported (Minimum)	Yes	*
Console Port	Yes	*
<b>Redundant Power supply</b>	Yes	Yes Or higher
Redundant Power Supply Type	Internal	*
Redundant Power Supply (Hot Swappable)	Yes	*
<b>Redundant Fan</b>	Yes	Yes Or higher
Redundant Fan (Hot Swappable)	Yes	*
Number of Open slot for additional Interface Card	0	*
Operating System	Yes	*
Dedicated Stacking	Yes	*
Stacking Bandwidth (Gbps)	80	*
<b>Switching Capacity / Forwarding Bandwidth (Non Blocking / Line Rate /Wired Speed) 2x (Numbers of access ports + Number of Uplink Ports) (Gbps)</b>	212	More than 212.0 Or higher
<b>Throughput /</b>	158	More than 158.0 Or

<b>Forwarding Performance (MPPS)</b>		higher
Layer 2 Protocols	802.1Q VLAN,LAG,LACP ,STP,MSTP,RSTP,IEEE 802.3x,VLAN	*
Number of VLAN Supported	4000	*
Number of VLAN IDs Supported	4000	*
Number of IPV4 Routes	15000	*
Number of IPV6 Routes	5000	*
Number of Mac Address Supported (k)	32	*
Basic Layer-3 Protocol from day 1	Static Routing,RIPv1,RIPv2,BGP,OSPFv2,OSPFv3,PBR	*
Advance Layer-3 Protocol from day 1	OSPFv2,OSPFv3,PBR,BGP,BGP4,IS-IS,IS-ISv6,PIM-SM	*
Premium Layer-3 Protocol from day 1	BGP,BGP4,IS-IS,VRF Lite,VRRP	*
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,RMON,SSHv2,Single IP Management	*
QoS	802.1p,Queues per port,Sflow,Policing / Rate Limiting	*
PoE Power Budget (Watt)	0	*
Dimension / Form Factor (RU)	1	*
Certification	NDPP,PCI,RoHS	*
MTBF (Year)	5	*
Minimum Operating Temperature (Degree C)	0	*
Maximum Operating Temperature (Degree C)	45	*

Minimum Operating Humidity (%RH)	5	*
Maximum Operating Humidity (%RH)	95	*
IPv6 Ready from day 1	Yes	*
<b>On Site OEM Warranty (Year)</b>	5	5 Or higher

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

### Additional Specification Documents

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	K.C Nandan	462011, State IT Center, Arera hills 47A Bhopal	2	30

### Bid Specific Additional Terms and Conditions

1. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
2. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
3. 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.

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

**---Thank You---**