TECHNICAL SPECIFICATIONS for DATA DIODE

1. The solution shall provide a secure electronic unidirectional data transfer between two physically isolated Internet Protocol(IP) based networks using
   a) a single hardware (of 1U size consisting of Transmit and Receive units) between two IP networks
   b) No software client/agent shall be needed to be installed on any system on networks on either side of the solution.
   c) Hardware based isolation to transfer data in a single direction
   d) core component without any IP-address
2. The solution should support
   a) Protocols:SFTP, HTTPS, SMTP, SYSLOG, SNMP
   b) Running multiple TCP/UDP services simultaneously
   c) File transfer upto 60GB(single file)
3. Additional features mentioned below:
   a) Preserving file integrity and timestamp of files during data transfer
   b) Support automated data transfer between two IP networks without any manual interventions.
   c) Availability of details of data transfer transactions using Syslog service.
   d) Restricting file size (minimum and maximum) on per user basis
   e) Whitelisting and blacklisting of file types
4. The solution should support up to 1 Gbps auto-negotiated throughput
5. The solution must guarantee to never allow full packet/session traversal through it. All packets/sessions must be terminated at the device(which is part of the solution).
6. Loaded configurations (implemented using the solution) should be tamper proof.
7. The solution shall have built-in hot swappable redundant power supply.
8. The offered solution shall allow configuring customized ports for different services on both transmit and receive network segments, individually
9. The offered solution shall support multiple incoming SFTP clients with separate username and passwords
10. The offered solution shall be complied with RoHS, EMI/EMC compliant.
11. The offered device shall go to FAIL-OPEN (disconnected) state in the event of power failure.
12. Vendor shall provide necessary rack mount kit and accessories.
13. The solution should have visual indicators to display the proper functioning of the device/components.
14. The device should operate between 10°C to 45°C temperature.

General Specifications

1. The OEM/Vendor of the quoted device should be registered in India.
2. OEM shall certify that the offered solution will be supported for minimum 5 years from the date of submission of bids.
3. Vendor shall provide Manufacturer's authorization form (MAF) specific to this tender from OEM at the time of bid submission along with offer.
4. Vendor should provide make and model of offered solution along with detailed datasheet.
5. Installation charges, taxes and any other charges applicable to be indicated in the price bid.

Warranty

1. Standard warranty for 1year.
2. On-site Comprehensive AMC for 4 years at URSC, Bangalore from date of expiry of standard warranty.
3. Warranty shall be 24x7 telephonic support with Next Business Day (NBD)
4. Support package from OEM only for Warranty and Technical support should be quoted. The specific part number for such support should be clearly indicated. Vendor shall not replace manufacturer's warranty with their own warranty package.
5. Warranty shall start from the date of acceptance of the solution.

Delivery and Installation

1. Vendor should deliver the solution within 6 weeks from the date of purchase order.
2. Vendor should supply the devices/components of solutions to URSC, Bangalore.
3. Vendor should implement the solution at URSC, Bangalore.
4. Based on future requirements of URSC, vendor to provide support free of cost for reconfiguration/re-installation at URSC, Bangalore as and when required during the warranty/support period.
5. Delivery period is inclusive of Installation and commissioning onsite at URSC.

Payment Terms :

1. For Supply and Installation of Data Diode (with 1 year standard warranty) - 100% payment within 30 days of delivery and installation.

2. 4 years Comprehensive AMC – to be payable half-yearly at the end of every 6 months based on satisfactory service delivery and certification by end-user.

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