**Item No. 04: Firewall Quantity: 1 No**

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| **Type** | **Specification For Firewall** | **QTY/Detail** |
| **Feature** | **Mandatory** |
| **Option-1** | **Option-2** |
| **System** | Hardware Base **(Hardware appliance, No virtual appliance)** | Yes | Hardware Appliance |
| Storage (Minimum) | Yes |  400 GB |
| Encryption, Hashing Algorithm | Yes |   |
| Next Generation Firewall Throughput  | Yes | 4 Gbps |
| Threat Protection throughput | Yes | 4 Gbps |
| Firewall Throughput  | Yes | 32 Gbps |
| SSL Inspection Throughput | Yes | 4 Gbps |
| High Availability(Active-Active, Active-Passive) | Yes |   |
| Redundant Power Supply | Yes |   |
| **Interfaces** | Fiber 10 Gig | Yes | 2 Minimum |
| Copper 1 Gig  | Yes | 6 |
| Fiber 1 Gig  | Yes | 6 |
| VLAN Tagging, Ether-Channel, PPPoE | Yes |   |
| **Networking** | Interface IP Base, Policy Base, NAT/PAT/Virtual IP NAT | Yes |   |
| IPv4/v6 | Yes |   |
| Virtual Routers | Optional |  |
|
| RIP2, OSPF v2 | Yes |   |
| Policy Base Routing | Yes |   |
| Multi-Home ISP | Yes |   |
| Ip Address Assignment | Yes |   |
| **Traffic Control & Through Put** | H323, SIP,DNS,FTP,HTTP,HTTPS,NAT for VoIP, Email | Yes |   |
| IP base VPN, Remote Access VPN | Yes |   |
| Deep Packet Inspection | Yes |   |
| SSL Inspection Concurrent Session(IPS, avg. HTTPS) 3 | Yes | 700,000 |
| Web Content Filtering | Yes |   |
| DoS Protection | Yes |   |
| IPS | Yes |   |
| SSL | Yes |   |
| Anti-Virus | Yes |   |
| Application Control Throughput  | Yes | 10 Gbps  |
| Application Level Threat Control | Yes |   |
| Traffic Shaper | Yes |   |
| Concurrent Sessions  | Yes | 7 Million |
| Dashboard, Reporting, Logging (3-6 Months) | Yes |  |
| **Licensing & Support** | License of UTM Functionalities  | Yes | 1 year | 3 years |
| Local Vendor Support  | Yes | 1 year | 3 years |
| Hardware Warranty  | Yes | 1 year | 3 years |
| Online Principal Support **8x5 NBD** | Yes | 1 year | 1. years
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| Including Installation, Configuration and Training.**For Eligibility/Qualifying Criteria See Page 41, S.No 19 (Authorization) of the Bid Documents** |
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