**Annexure X**

**Supply of Pfsense Firewall Hardware (1):**

|  |  |  |
| --- | --- | --- |
| **Sl.no** | **Attributes** | **Specification** |
| 1 | **Type** | Pfsense firewall hardware, netgate equivalent |
| 2 | **CPU** | Intel "Xeon-DE" D-1541, 2.1 GHz FCBGA 1667 supported SoC |
| 3 | **CPU Core** | 8 |
| 4 | **Memory** | 16GB DDR4 UDIMM |
| 5 | **Storage** | 256GB m.2 SATA |
| 6 | **Network Interfaces** | Dual LAN via Intel® i350-AM2 1 Gigabit EthernetDual LAN via SoC 10GBase-TVirtual Machine Device Queues reduce I/O overheadSupports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output1x Realtek RTL8201N PHY (dedicated IPMI) |
| 7 | **Network expansion Options** | 4-Port Intel GbE2-port Chelsio SFP+ Expansion |
| 8 | **Case** | Standard 19" 1U rack mount |
| 9 | **Power** | 200W Internal Power Supply, 100~240V, 50-60Hz, 2.6 Amp Max |
| 10 | **Max active connection** | 16M |
| 11 | **Warranty** | Minimum 1 year product warranty |
| **Unit: No****Rate……………………..** |

**Supply of Pfsense Firewall Hardware (2):**

|  |  |  |
| --- | --- | --- |
| **Sl.no** | **Attributes** | **Specification** |
| 1 | **Type** | Pfsense firewall hardware, netgate equivalent |
| 2 | **CPU** | Intel "Denverton" Atom C3558 2.2 GHz with QuickAssist |
| 3 | **CPU Core** | 4 |
| 4 | **Memory** |  8GB DDR4 Non ECC16GB DDR4 SODIMM Additional Memory (24GB Total) |
| 5 | **Storage** | 32GB eMMC Flash256GB M.2 SATA SSD |
| 6 | **Network Interfaces** | 2x 10GbE Intel x553 SFP+ Ports8-port 1Gbps Marvell 88E6190 switch, uplinked at 5 Gbps to Intel SoC (2x 2.5 Gbps) for LAN. |
| 7 | **Network expansion Options** | 4-Port Intel GbE |
| 8 | **Case** | Standard 19" 1U rack mount |
| 9 | **Power** | Internal AC/DC 100-240V, 50-60 Hz |
| 10 | **Max active connection** | 8M |
| 11 | **Console** | Mini USB |
| 12 | **Warranty** | Minimum 1 year product warranty |
|  **Unit:-****Rate…………………………………..** |