

Tender Number - BSEDC/2010/e-Shakti-05

Corrigendum II

The Existing Clause 4.2.1 is revised / amended as specified below:

Sl. No.	Items	Specifications	Compliance (Yes / No)
1.	Firewall	<ul style="list-style-type: none"> ☀ Physical attributes <ul style="list-style-type: none"> ✚ Should be mountable on 19" Rack ☀ Interfaces <ul style="list-style-type: none"> ✚ 8 x GE ✚ 4 x Gigabit Optical Fibre ✚ 1 x Console Port 	
		<ul style="list-style-type: none"> ☀ Performance and Availability <ul style="list-style-type: none"> ✚ Redundant Architecture ✚ High Availability Mode ✚ Firewall Throughput Upto 1.2 Gbps or higher ✚ Concurrent connections: Min 650K ✚ Simultaneous VPN tunnels: Min 5K ✚ Memory 4Gb 	
		<ul style="list-style-type: none"> ☀ Routing Protocols <ul style="list-style-type: none"> ✚ Static Routes ✚ RIPv1, RIPv2 ✚ OSPF ☀ Protocols <ul style="list-style-type: none"> ✚ TCP/IP, PPTP ✚ RTP, L2TP ✚ IPSec / GRE, DES/3DES/AES ✚ PPPoE, EAP-TLS, RTP ✚ FTP, HTTP, HTTPS ✚ SNMP, SMTP ✚ DHCP, DNS ✚ support for IPv6 	
		<ul style="list-style-type: none"> ☀ Other support <ul style="list-style-type: none"> ✚ 802.1Q, NAT, PAT, IP Multicast support, Remote Access VPN, Time based Access control lists, support VLAN, Layer 2 Firewall, Virtual Firewall, Radius/ TACACS, Concurrent Threat management, Content security with antivirus, anti-spyware, file blocking, anti-spam, anti-phishing, URL blocking and filtering, and content control etc. ☀ Management 	

		<ul style="list-style-type: none"> ✚ Console, Telnet, SSHv2, Browser based configuration ✚ SNMPv1, SNMPv2 	
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The existing clause 4.22 is revised / amended as specified below:

Sl. No.	Items	Specifications	Compliance (Yes / No)
1.	Router	<ul style="list-style-type: none"> ✚ Hardware Architecture (19" Rack mountable) <ul style="list-style-type: none"> ✚ Should support IP & MPLS etc ✚ On-line insertion and removal for cards ✚ Power supply for 230 V AC 50 Hz with Redundant power supply ✚ Min 1.6 Gbps of throughput required ✚ Min 1Gb DRAM 	
		<ul style="list-style-type: none"> ✚ Interface / Slots <ul style="list-style-type: none"> ✚ Minimum 6 x Gig Ethernet Ports and scalable to 12 ports ✚ Min 2 x E1 Ports ✚ Dedicated Console port 	
		<ul style="list-style-type: none"> ✚ Security <ul style="list-style-type: none"> ✚ GRE and IP Sec 3DES/AES VPN for configuration of VPN tunnels. ✚ Encryption - IP Sec 3DES/AES ✚ NAT, PAT ✚ Access control - Multilevel ✚ Support ACL's to provide supervision and control. ✚ Multiple Privilege Levels for managing & monitoring ✚ Support for Remote Authentication User Service (RADIUS) and AAA 	
		<ul style="list-style-type: none"> ✚ Routing Protocols <ul style="list-style-type: none"> ✚ Static Routes ✚ RIPv1, RIPv2 ✚ OSPFv2 and v3. ✚ BGP4 ✚ Route redistribution between any of the above protocols ✚ Protocols <ul style="list-style-type: none"> ✚ PPP, Multi-link PPP ✚ HDLC 	

		<ul style="list-style-type: none"> ✚ IPv4, IPv6 ✚ MPLS L2 & L3 ✚ VRRP / HSRP ✚ Congestion <ul style="list-style-type: none"> ✚ Random Early Detection ✚ Weighted Fair Queuing ✚ Selective Packet Discard ✚ IP Multicasting <ul style="list-style-type: none"> ✚ IGMPv1&v2, PIM-SM, PIM-DM or MOSPF 	
		<ul style="list-style-type: none"> ✚ Management <ul style="list-style-type: none"> ✚ Accessibility using Telnet, SSH, Console access. ✚ Software upgrades using FTP, TFTP, etc. ✚ SNMP Support for v1, v2 , v3 ✚ Using CLI, GUI based software utility and using web interfaces ✚ Support for Syslog ✚ Debug & Diagnostics <ul style="list-style-type: none"> ✚ Display of input and output error status on all interfaces ✚ Display of Dynamic ARP table ✚ Display of physical layer line status signals like DCD, DSR, DTR, RTS, CTS on all interfaces ✚ Display of Routing table ✚ Trace-route, Ping, extended PING 	