

**Complete Desc. Of tender no. 50.13.5037**

PL No.	Complete Desc.
5201NS	<p>LAN Extender [15 pairs as master and slave configuration] as per specification - [1] Should support 2 wire twisted pair copper of 0.5mm Gauge [2] G.SHDSL-ITU-TG.991.2 [3]Should support LAN to LAN connectivity through dead copper pair at a distance up to 6.7 Km [4.2] miles [4] RJ-11 interface for WAN and RJ-45 Interface of 10 base T for LAN [5] Nx64 Kbps Data rates from 192 Kbps to 2.304 Mbps [6] Should have bridging of IEEE 802.3 transport learning bridge [7] Should support - IP Routing. Static routing RIPv1/RIPv2IP Masquerading NAT.DHCP. Server. DNS Relay and caching [8] Network management through SNMPv2 agent MIB II (9) configuration through local console (RS-232) telnet. Web PWP/CHAP/MS-CHAP (12) Power supply input power may be 48 V DC and 230 V AC both make- Dlink, CYGNUS &amp; MROTEK or equivalent.</p>
5090NS	<p>Supply of LAN extender work on twisted copper pair with line rate up to 2.3 MB over a distance of 5 km as per Specification. Specification-1) Line Interface. a) Operation range 5.3 Kms for 2304 kbps and 15 kms for 64 Kbps speed (Mandatory) b) Rate range feature -64 kbps -15.0kms, 128 kbps -11.0 kms, 1024 kbps -7.6 kms and 2048 kbps -5.8 kms on 0.5 mm (24AWG) standard Cu conductor. c) line impedance- 135 Ohms. d) connector-RJ-45 socket. e) Encoding on the line side -G.SHDSL and GSHDSL. bis which should be configurable via DIP switches located in the modem (Mandatory). 2) Ethernet interfaces a) No of Interfaces -01 port 10/100 base-T in each unit. b) compatibility-IEEE 802.3 10/100 base- T half or full duplex auto sensing on the port in each unit. c) connector-RJ-45 socket for UTP cable. d) functionality -transparent, auto learning Ethernet bridge, Ethernet interface should support auto- MDI/MDIX. 3) configuration a)method-through DIP switches only. 4)diagnostic facilities a) fault diagnostics-local analog and remote digital loop back via DIP switches. b) EOC -should provide embedded operation channel (EOC)for controlling and monitoring the remote unit. 5)indicators -power, Ethernet link and activity, Ethernet port speed, Duplex mode. 6) General-a) presentation stand alone box. b)power supply -the unit should have inbuilt support to work in both 100 to 240 VAC and -36 to -72 DC from a single socket in the product (mandatory) c)convertibility - the unit should have a plug in type Ethernet DTE interface card which is removable and can insert pluggable DTE V.35/EI in lieu of Ethernet. d) Quality certification- the manufacture of the product to be ISO 9001:2008 certified from a reputed firm and an Indian manufacturer. e) Environment -should be able to withstand storage temperature rang in-40 to 70 deg Celsius. f) TEC approval -the DTE Ethernet interface to be tec approved.(mandatory) g)make-RAD/MRO TEK/ASCOM/Cygnus or superior in all aspects. the participant should be either OEM or authorized agent of the OEM it an agent they should clearly indicate and the same and enclose authorization certificate from the manufacture Make-CYGNUS/MROTEK/DASAN/ZYXEL or equivalent.</p>