Bangladesh Institute of Nuclear Agriculture

BAU Campus, Mymensingh-2202

Estimate cost of 50 Mbps Broadband Internet bandwidth for BINA HQ

S.L	Name of Items	Qty	Rate	Unit	Amount
1.	**Internet Communication System: Radio Link (P2P) and Optical Fiber:** The service provider must install and configure all the network devices/accessories (e.g., Router, switches, cabling system etc.) to ensure stable internet connection at BINA Headquarter. The network must be formed with a combination of Radio Link (P2P) and Fiber optic system to ensure redundant network connectivity **Bandwidth limit:** To provide 50 Mbps dedicated internet bandwidth with redundancy on monthly basis at BINA Headquarter. **Bandwidth Type:** Dedicated full-duplex internet bandwidth. **IIG:** The ISP must have at least 03(three) International Internet Gateway (IIG) with proper documents. **Uptime:** Must have at least 95% uptime guarantee in 24 hours a day. **Connectivity:** BINA office has to be connected with ISP through high speed internet by - i) Primary Connection: Radio Link/Optical fiber ii) Secondary Connection: Optical fiber/Radio Link	50 Mbps	**350/-** (1 IIG and Only Fiber Optics)	Mbps	17,500/-
			480/- (3 IIG and Only Fiber Optics)	Mbps	24,000/-
			800/- (3 IIG and Both Radio Link and Fiber Optics)	Mbps	40,000/-

	Security: Ensure proper security with firewall protocol **Support:** Immediate support from ISP must be available at 24x7. Instant response should be delivered against any query from BINA. **Maintenance:** ISP must response within 2 hours during working hours and 4 hours during non-working hour and holidays from the time a complaint is placed. The ISP should not take more than 5 hours to re-establish network in case of any physical disaster like fiber optics breakdown, equipment failure etc. **Power backup:** ISP should have backup power at every point up to BINA premises to prevent network failure. Any types of power failure should not affect internet connection to BINA. **Bandwidth Test:** ISP will provide valid MRTG graph and other related proofs **Training:** Adequate training must be provided by ISP on network configuration and maintenance. **Service level agreements:** Minimum 12 (twelve) months.				

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