

Specification of Internet Bandwith

S.N.	Parameters	Technical Specifications	Remarks
1	Connectivity	ISP/NSP must provide redundant Optical Fiber Links from two different point of distribution to buyer's Datacenter as Primary and Secodary link and failover must be automatic. Required device and medium along with configuration must be provided by ISP for full functionality and automatic Failover.	
2	Bandwidth	Must provide Internet connection with minimum 160:160 (Download/Uplink) International Bandwidth to buyer. The National Bandwithd (within NPIX network) must be unlimited. Must provide additional Link for testing purpose with minimum 2 Public IP (Bandwidth Minimum 10 Mbps).	
3	IP Address and Connection	Must provide IP Pool (Minimum /26 Pool) as required by buyer. ISP Must provide necessary configuration and support as and when required by buyer when the network configuration on buyer changes. Provision of Bandwidth Seggregation from the main link should be provided.	
4	Security Assurance	ISP/NSP must maintain the security aspect of Nepali Army network and system. Non-disclosure of information regarding buyer's IT Infrastructure or other informations directly or indirectly related to this project must be strictly maintained by the ISP/NSP and concerned personnels.	
5	Bandwidth Monitoring	Must provide Realtime Bandwidth monitoring access with graph for National and International traffic separately with Uploads and Downloads separated.	
6	Traffic Log	Must provide the incoming and outgoing Internet traffic log of buyer for minimum 3 Months as and when required by buyer. The log must include minimum source Address, Destination Address, Source Port, Destination Port and Time Stamp fields.	
7	Other terms and Conditions	Must provide free hosting for minimum 1 physical server of buyer when requested. Must provide free hosting for minimum 10 public websites of buyer when requested.	
8	Service and Support	Must provide connectivity and service support for 24 x 7 x 365.	
9	Total Bandwith Capacity and International Redundant link	Minimum 1 Gbps of Total International Bandwith with valid certificate from concerned authoriy. The ISP/NSP must have minimum 2 International Redundant link from International gateway (Separate geographical location) and valid certificate with network topology must be submitted.	
10	Other Certifications	Membership Certificate of Internet Exchange Nepal (npIX)	