Request for Proposal
for Selection of Vendor to Design, Build Transfer of Network Infrastructure at New Office, Mumbai

Appendix 1 - Port Count - (Sheet A)

RFP No. BCC:IT:PROC:113:54 dated 02.11.2021

Total No of Ports (Copper/Fibre) Required for each Rack/Room

S/N	Description	No. of racks	Network Purpose		Storage Purpose	Row no								Total Ports	Remarks
			No. of copper	No of Fiber	No of Fiber	1 (13)	2 (13)	3 (10)	4 (13)	5 (13)	6 (11)	7 (8)	8 (13)		
1	Server Room	32	2x48	0	2x12	6	6	2	6	6	4	2	0		1) All the Copper ports will be on CAT 6A and will be within the rack with a ToR switch with 2x48 port switches in each rack 2) This will be uplinked to the spine switches with a 1:6 oversubscription with the max port speed considered per leaf switch
		41	12	48	2x12	6	6	6	6	6	6	5	0		This will be fiber ports with OM4 MPO trunk
	Total Server Racks	**73**	**Total ToR Copper Ports**			**576**	**576**	**192**	**576**	**576**	**384**	**192**	**0**	**3072**	
			Total Copper MoR Ports			**72**	**72**	**72**	**72**	**72**	**72**	**60**		**492**	
			Fiber ports for Network			**288**	**288**	**288**	**288**	**288**	**288**	**240**	**0**	**1968**	Fiber OM4 trunk cables will be used towards MOR and fiber leaf switches will be installed in MoR From each fiber leaf switch OM4 trunk will connect to spine switch with an oversubscription ratio of 1:6 considering a maximum acess port speed of 25 Gbps on leaf switch
			Fiber ports for Storage			**288**	**288**	**192**	**288**	**288**	**240**	**168**	**0**	**1752**	
2	**Network Rack**	**13**	2x24	NA	2x12								**13**		
			Total Network Copper Ports										**1248**		
			Total Network Fiber Ports										**312**		The Copper will be based on CAT 6A and the Fiber will be OM4 trunks will LC interfaces on the equipement side All the copper and the fiber trunks will be terminated on a passive rack in row number 8
			Total Fiber Uplink for TOR/MOR Switches												This will be uplinked to the spine switches with a 1:6 oversubscription with the max port speed of 100Gbps on the uplink side considered per leaf switch. This number has to be derived by the bidder accordingly and quote.