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									Remarks	Fiber Count
			No. of copper	No of Fiber	No of Fiber	1 (13)	2 (13)	3 (10)	4 (10)	5 (13)	6 (13)	7 (10)	8 (13)	Total Ports		
1	Server Room	30	2x48	0	2x12	6	6	3	3	6	6	0	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	71	Total ToR Copper Ports			288	288	144	144	288	288	0	0	1440		0
			Total Copper MoR Ports			72	72	72	72	72	72	60		492		
			Fiber ports for Network			144	144	144	144	144	144	120	0	984	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	216	216	288	288	120	0	1704		
2	Network Rack	15	2x24	NA	2x12								15			0
			Total Network Copper Ports										720		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 Network Fiber Ports										360			
			Total Fiber Uplink for TOR/MOR Switches										568		This will be uplinked to the spine switches with a 1:6 oversubscription with the max port speed considered per leaf switch	