

Schedule of Requirements (SOR)**SOR – A (Wi-Fi Active Components)**

SN	Item	Description	Qty	Unit Price	Total Price	GST on Total Proce	Total Amount with GST
1	Core Switch	Layer 2/3 switch controller compatible switch with 48 x GE/10GE SFP/SFP+ slots and 6 x 40GE QSFP+ or 4 x 100GE QSFP28. Dual AC power supplies	2				
2	Distribution Switch	Layer 2/3 switch controller compatible switch with 24 x GE/10GE SFP/SFP+ slots and 2 x 100GE QSFP28. Dual AC power supplies	8				
3	Access Switch 48 Port Non-PoE	Layer 2 switch controller compatible switch with 48x 1G RJ45 and 4x 10G/1G SFP+/SFP ports and 1x RJ45 console port.	36				
4	Access Switch 48 Port PoE	Layer 2 switch controller compatible PoE+ switch with 48x 1G RJ45 with PoE+ and 4x 10G/1G SFP+/SFP ports and 1x RJ45 console port. Max 740W PoE output limit.	2				
5	Access Switch 24 Port Non-PoE	Layer 2 switch controller compatible switch with 24x 1G RJ45 and 4x 10G/1G SFP+/SFP ports and 1x RJ45 console port. Fanless.	43				

6	Access Switch 24 Port PoE	Layer 2 switch controller compatible PoE+ switch with 24x 1G RJ45 with PoE+ and 4x 10G/1G SFP+/SFP ports and 1x RJ45 console port. Max 370W PoE output limit with smart fan/temperature control.	89				
7	Wireless Controller	4x 25G SFP28 slots, 4 x 10GE SFP+ slots, 18 x GE RJ45 ports (including 1 x MGMT port, 1 X HA port, 16 x switch ports), 8 x GE SFP slots, SPU NP7 and CP9 hardware accelerated, dual AC power supplies	2				
8	Access Points	Indoor Wireless AP - Tri radio (Wi-Fi-6E IEEE 802.11ax Tri-band 2.4/5/6GHz and dual 5G operation 2+2+2 2 streams 3 radios), internal antennas, 1x10/100/1000 RJ45 , 1x 100/1000/2500 Base-T RJ45, BT/BLE, 1x Type A USB, Console Port (RJ45). Ceiling/wall mount kit included.	622				
9	DAC Cable	100 GE QSFP28 passive direct attach cable, 1m, 0°C to 70°C, transceivers included, for systems with QSFP28 slots	2				
10		40 GE QSFP+ passive direct attach cable, 1m, -40°C to 85°C, transceivers included, for systems with QSFP+/QSFP28 slots	8				
11		10 GE SFP+ passive direct attach cable, 1m, 0°C to 70°C, transceivers included, for systems with SFP/SFP+ slots	153				

12	Transceivers	10 GE SFP+ transceiver module, short range 300m, LC connector, MMF, 850nm, 0°C to 70°C, for systems with SFP+ slots	210				
		10 GE SFP+ transceiver module, long range 10km, LC connector, SMF, 1310nm, -40°C to 85°C, for systems with SFP+ slots	60				
13	Total Price for Active Items (SOR-A)						

SOR – B (Wi-Fi Passive Components)

SL No.	(A) Item Descriptions Cat 6	Unit	QTY	Unit Price	Total Price	GST on Total Proce	Total Amount with GST
1	CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) gray jacket, 4 pair count,	Mtr	181040				
2	CommScope Cat 6 IO Information Outlet Blue(For Data Port)	Nos.	3904				
3	Distribution Module Panel, Cat 6, UTP, 1U, 24 port loaded (For Network Rack)	Nos.	228				
4	CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) - 10 Gigabit 650MHz 100W PoE RJ45 UTP Network Patch Cord Snagless w/Strain Relief - Blue CAT 6, 1.MTR (For Data Port)	Nos.	3904				
5	M12CFS Modular Shuttered Faceplate, One-port, white 3x3	Nos.	3282				
6	CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) - 10 Gigabit 650MHz 100W PoE RJ45	Nos.	3282				

	UTP Network Patch Cord Snagless w/Strain Relief - Blue CAT 6, 2.MTR (For Data Port)						
7	42U Networking Racks with PDU (For Hub Room)	Nos.	5				
8	15U Rack with PDU wall mount	Nos.	89				
9	Mounting Hardware-CR (Pack of 20)	Nos.	267				
10	25mm pvc conduit pipe	Mtrs.	45260				
11	PVC Chenal 25 mm	Mtrs.	41720				
12	25 MM PVC Bend	Nos.	2263				
13	25 MM PVC Junction Box	Nos.	1132				
14	25mm pvc flexible pipe	Mtrs.	976				
15	HDPE duct pipes	Mtrs.	2150				
16	40MM MS Conduit	Mtrs.	500				
17	MS L Angale 100x200 mm	Nos.	12600				
18	Casio 9mm Cottage	Nos.	100				
19	35x8 MM PVC Gitty for Conduit/ Channel Fixing pack of 100	Pkt.	417				
20	35x8 MM Wooden Screw for Conduit/ Channel Fixing pack of 100	Pkt.	417				
21	3x3 Inch PVC Gang Box	Nos.	3282				
22	PVC Cable Tie 8 inch	Pkt.	417				
23	Hole Fashner 8mm	Nos.	37800				
24	Tupe Ferrule Cat6 Both Site	Nos.	4604				
25	2"Packing Tape	Nos.	100				
26	PVC Tape	Nos.	200				
27	Steel Ware 30 mtr	Nos.	20				
Total (A)							

SL No.	(B) Item Descriptions Fiber Cable Multimode OM4	Unit	QTY	Unit Price	Total Price	GST on Total Proce	Total Amount with GST
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1	6 Core Outdoor Fiber Cable Multi- mode fiber Om4	Mtr.	7560				
2	Loaded 1RU Fiber Shelf 48 Core LC to LC Multi-mode fiber Om4	Nos.	15				
3	Loaded 1RU Fiber Shelf 12 Core LC to LC Multi-mode fiber Om4	Nos.	53				
4	LC-LC Duplex, LSZH Sheath, Patch Cord, 3 Meter Multi-mode fiber Om4	Nos.	212				
Total (B)							

SL No.	(C) Item Descriptions Fiber Cable Single mode OS2	Unit	QTY	Unit Price	Total Price	GST on Total Proce	Total Amount with GST
1	6 Core Outdoor Fiber Cable Single-mode fiber OS2	Mtr.	4367				
2	Loaded 1RU Fiber Shelf 12 Core LC to LC Single-mode fiber OS2	Nos.	28				
3	LC-LC Duplex, LSZH Sheath, Patch Cord, 3 Meter Single-mode fiber OS2	Nos.	62				
Total (C)							

SL No.	(D) Installation Item Descriptions	Unit	QTY	Unit Price	Total Price	GST on Total Proce	Total Amount with GST
1	CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) gray jacket, 4 pair count,	Mtr	181040				
2	CommScope Cat 6 IO Information Outlet Blue(For Data Port)	Nos.	3904				
3	Distribution Module Panel, Cat 6, UTP, 1U, 24 port loaded (For Network Rack)	Nos.	228				
4	CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) - 10 Gigabit 650MHz 100W PoE RJ45 UTP Network Patch Cord Snagless w/Strain Relief - Blue CAT 6, 1.MTR (For Data Port)	Nos.	3904				
5	M12CFS Modular Shuttered Faceplate, One-port, white 3x3	Nos.	3282				
6	CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) - 10 Gigabit 650MHz 100W PoE RJ45 UTP Network Patch Cord Snagless w/Strain Relief - Blue CAT 6, 2.MTR (For Data Port)	Nos.	3282				

7	42U Networking Racks with PDU (For Hub Room)	Nos.	5				
8	15U Rack with PDU wall mount	Nos.	89				
9	25mm pvc conduit pipe	Mtrs.	45260				
10	PVC Chennal 25 mm	Mtrs.	41720				
11	25mm pvc flexible pipe	Mtrs.	976				
12	40MM MS Conduit	Mtrs.	500				
13	MS L Angale 100x200 mm	Nos.	12600				
14	3x3 Inch PVC Gang Box	Nos.	3282				
15	6 Core Outdoor Fiber Cable Multi- mode fiber Om4	Mtr.	7560				
16	Loaded 1RU Fiber Shelf 48 Core LC to LC Multi-mode fiber Om4	Nos.	15				
17	Loaded 1RU Fiber Shelf 12 Core LC to LC Multi-mode fiber Om4	Nos.	53				
18	LC-LC Duplex, LSZH Sheath, Patch Cord, 3 Meter Multi-mode fiber Om4	Nos.	212				
19	6 Core Outdoor Fiber Cable Single- mode fiber OS2	Mtr.	4367				
20	Loaded 1RU Fiber Shelf 12 Core LC to LC Single-mode fiber OS2	Nos.	28				
21	LC-LC Duplex, LSZH Sheath, Patch Cord, 3 Meter Single-mode fiber OS2	Nos.	62				
22	HDPE duct pipes Laying	Mtr.	2150				
23	Soild Digging	Mtr.	2150				
24	Hard Digging	Mtr.	500				
25	Fiber Splicing	Nos.	1608				
26	Fiber Testing	Nos.	1608				
27	Project Management Charges	Nos.	1				
Installation Cost Total (D)							

Total SOR-B Cost with GST (A+B+C+D)	
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SOR – C (IT Engineer)

SN	Item Description	QTY	Man Month Charges	Number of months	Total amount	GST on Total Amount	Total Amount with GST
1	Resident Lead Network Engineer: IT Engineer with minimum 3 years' experience in IT infrastructure Support services	1		60			
2	Resident Network Engineer: IT	1		60			

Engineer with minimum 2 years' experience in IT infrastructure Support services						
SOR -C Total						

SL No.	Item Descriptions	QTY	Unit Price	Total Price	GST on Total Price	Total Amount with GST
1	Network Monitoring System (NMS) as per technical specification in Annexure and Scope of work	1				
Total SOR-D						

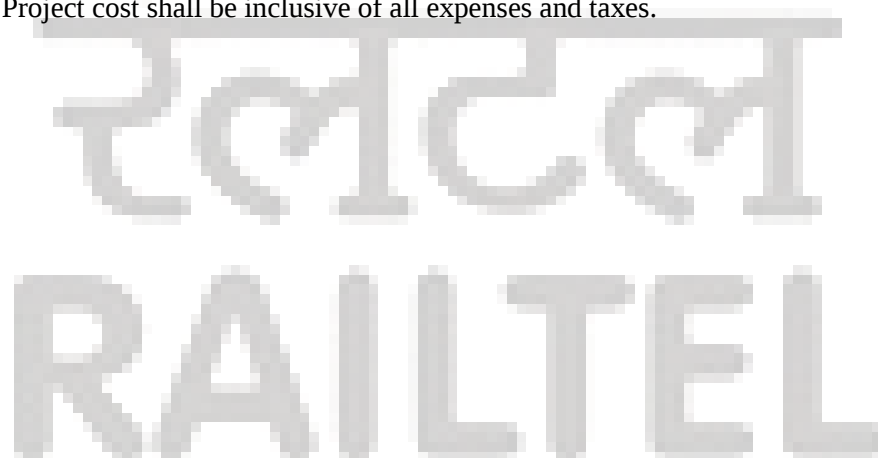
SOR Summary

S.no.	ITEM	COST including GST
1	(SOR-A) Active Components Campus WiFi refresh Solution	
2	(SOR-B) Passive Components with Services	
3	(SOR-C) IT Engineer (Two at customer campus) for Five Years	
4	(SOR-D) Network Monitoring Systems (NMS)	
5	Total Project Cost	

Total Project Cost (including tax) in Words : _____

Note –

1. In case of any increase or decrease of quantity by customer, same shall be passed on to selected bidder.
2. Total Project cost shall be inclusive of all expenses and taxes.



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