

# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

## NETWORK INFRASTRUCTURE ANDENDUM

<u>NO</u>	<u>DESCRIPTION</u>	<u>REQUIREMENTS</u>	<u>UNITS</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
	<b><u>PREFABS</u></b>					
		<b><u>STRUCTURED CABLING</u></b>				
	Security office	Faceplate double siemon CAT 6 keystone siemon module	PCS	11		
	Clerk of works			20		
	Estates Manager Office					
	Housekeeping office A					
	Halls office					
	Transport office					
	PR store					
	Estates maintenance office					
	Estates Secretary					
	Halls Store					
				Trunking metallic(100*50mm)	PCS	70m
		Metallic knockouts	PCS	11		
		Siemon UTP cat 6 3m patch cords	PCS	20		
		Siemon UTP cat 6 1m Patch cords	PCS	20		
		Cat 6e UTP cable (305m) siemon	PCS	2 Rolls		
		12 u wall mount cabinet with lockable door	PCS	1		
		24 port Patch panel siemon	PCS	1		
		Bends 25mm	PCS	8		
		Cable manager 1u	PCS	1		
		Cat 6 UTP cable outdoor	PCS	1 Roll		
		Conduit 32mm	PCS	270m		
		<b><u>ACTIVE DEVICES</u></b>				

		Cisco catalyst 2960 24 port 10/100 POE plus LAN Base + 2 SFP LAN Base	PCS	1		
		CISCO SMARTNET 8x5xNBD plus 24 10/100	PCS	1		
		AC power cord	PCS	3		
		Console Cable with USB type A and mini B	PCS	1		
		<b><u>WIRELESS ACCESS POINT</u></b>				
		Unifi Access Point(Indoor)with POE Adapter and three pin power cable	PCS	1		
		<b><u>VoiP PHONES</u></b>				
		Snom 300 VoiP Phones	PCS	15		
		Snom 720 VoiP Phone	PCS	2		
		<b><u>UPS (APC)</u></b>	PCS			
		5 KVA UPS(SURTD5000XL1-APC UPS SMART)	PCS	1		
		<b><u>FIBRE COMPONENTS</u></b>				
		Fibre tray	PCS	1		
		1000 BASE-SX SFP transceiver module	PCS	1		
		Fibre adapter multimode	PCS	2		
		Fibre tray blanks	PCS	2		
		SC –SC connectors multimode	PCS	2		
		Fibre patch cord 1M multimodeSC-LC	PCS	2		
		Siemon Fibre 8 strands multimode ARMORED		200m		
	<b>HOSTEL B</b>	<b><u>WIRELESS ACCESS POINT</u></b>				
		Unifi Outdoor Access point with PoE power adapter	PCS	1		

		<b><u>FIBRE</u></b>				
		1000 BASE-SX SFP transceiver module multimode	<b>PCS</b>	<b>2</b>		
		Fibre adapter multimode mode	<b>PCS</b>	<b>2</b>		
		Fibre tray blanks	<b>PCS</b>	<b>2</b>		
		SC –SC connectors MULTIMODE mode	<b>PCS</b>	<b>2</b>		
		Fibre patch cord 1M multimode SC-LC	<b>PCS</b>	<b>2</b>		
		<b><u>STRUCTURED CABLING</u></b>				
		PVC Conduit 32mm	<b>PCS</b>	<b>30m</b>		
		Bends 32mm	<b>PCS</b>	<b>6</b>		
		Couplers 32mm	<b>PCS</b>	<b>6</b>		
	<b>HOSTEL C</b>	<b><u>FIBRE</u></b>				
		Fibre tray	<b>PCS</b>	<b>1</b>		
		1000 BASE-SX SFP transceiver module	<b>PCS</b>	<b>2</b>		
		Fibre adapter multimode	<b>PCS</b>	<b>2</b>		
		Fibre tray blanks	<b>PCS</b>	<b>2</b>		
		SC –SC connectors multimode	<b>PCS</b>	<b>2</b>		
		Fibre patch cord 1M multimode SC-LC	<b>PCS</b>	<b>2</b>		
		Siemon Fibre 8 strands multimode 50 Micron ARMORED	<b>PCS</b>	<b>220m</b>		
		<b><u>WIRELESS ACCESS POINT</u></b>				
		Unifi Outdoor Access point with PoE power adapter	<b>PCS</b>	<b>1</b>		
		Unifi Indoor Access point with PoE power adapter	<b>PCS</b>	<b>1</b>		
		<b><u>UPS</u></b>	<b>PCS</b>			
		APC 5 KVA UPS (SURTD5000XL1-APC UPS)	<b>PCS</b>	<b>1</b>		

		SMART)				
		<b><u>STRUCTURED CABLING</u></b>				
		12 u wall mounted cabinet	<b>PCS</b>	<b>1</b>		
		24 port patch panel	<b>PCS</b>	<b>1</b>		
		PVC Conduit 32mm	<b>PCS</b>	<b>350m</b>		
		Bends 32mm	<b>PCS</b>	<b>10</b>		
		Trunking metallic(150x50m)	<b>PCS</b>	<b>5m</b>		
		Knockouts Metallic	<b>PCS</b>	<b>1</b>		
		Siemon Cable manager 1u	<b>PCS</b>	<b>1</b>		
		Couplers 32mm	<b>PCS</b>	<b>40</b>		
		Faceplate Double siemon	<b>PCS</b>	<b>1</b>		
		Siemons CAT 6 keystone modules	<b>PCS</b>	<b>2</b>		
		<b><u>ACTIVE DEVICES</u></b>				
		Cisco catalyst 2960 switch plus 24 port 10/100 POE + 2 1000BT + 2 SFP LAN Base	<b>PCS</b>	<b>1</b>		
		CISCO SMARTNET plus for 24 port switch	<b>PCS</b>	<b>1</b>		
		<b>TUTION BLOCK</b>				
		<b><u>WIRELESS ACCESS POINT</u></b>				
	<b>First floor</b>	Unifi access point indoor with POE capable Adapter with three pin power cable mounting bracket	<b>PCS</b>	<b>1</b>		
	<b>Second floor</b>	Unifi access point indoor with POE capable Adapter with three pin power cable and mounting bracket	<b>PCS</b>	<b>1</b>		
	<b>Third floor</b>	Unifi access point indoor with POE capable Adapter with three pin power cable and mounting bracket	<b>PCS</b>	<b>1</b>		
		Unifi Access point Outdoor with	<b>PCS</b>	<b>1</b>		

		mounting metal poles				
		<b><u>STRUCTURED CABLING</u></b>				
		CAT 6e UTP cable Siemons		<b>2</b>		
		Trunking(150x50mm)	<b>PCS</b>	<b>120m</b>		
		Cable manager 1u	<b>PCS</b>	<b>1</b>		
		<b><u>ACTIVE DEVICES</u></b>				
		Cisco catalyst 2960 switch 48 port 10/100 POE + 2 1000BT + 2 or 4 SFP LAN Base	<b>PCS</b>	<b>1</b>		
		CISCO SMARTNET plus for 48 port switch	<b>PCS</b>	<b>1</b>		
		CISCO SMARTNET plus for 48 port switch	<b>PCS</b>	<b>1</b>		
	<b>HOSPITAL/MEDICAL CENTRE</b>					
	<b>HEALTH SCIENCE SECTION</b>	<b><u>STRUCTURED CABLING</u></b>				
	<b>Room 18(Laboratory)</b>	CAT 6 keystone siemon module	<b>PCS</b>	<b>1</b>		
		Faceplate single siemon	<b>PCS</b>	<b>1</b>		
	<b>Administrators office(Room19)</b>	Faceplate double siemon	<b>PCS</b>	<b>1</b>		
		CAT 6 keystone siemon module	<b>PCS</b>	<b>2</b>		
	<b>Staff lounge(Room 17)</b>	Faceplate double siemon	<b>PCS</b>	<b>2</b>		
		CAT 6 keystone siemon module	<b>PCS</b>	<b>4</b>		
	<b>Room 16</b>	Faceplate double siemon	<b>PCS</b>	<b>1</b>		
		CAT 6 keystone siemon module	<b>PCS</b>	<b>2</b>		
	<b>Health science procurement store</b>	Faceplate double siemon	<b>PCS</b>	<b>1</b>		
		CAT 6 keystone siemon module	<b>PCS</b>	<b>2</b>		
	<b>Secretary office</b>	Faceplate double siemon	<b>PCS</b>	<b>1</b>		
		CAT 6 keystone siemon module	<b>PCS</b>	<b>2</b>		
		Faceplate single siemon	<b>PCS</b>	<b>1</b>		

		CAT 6 keystone siemon module	PCS	1		
	<b>Room 15</b>	Faceplate double siemon	PCS	1		
		CAT 6 keystone siemon module	PCS	2		
	<b>Room 14</b>	Faceplate double siemon	PCS	1		
		CAT 6 keystone siemon module	PCS	2		
	<b>Gender Office</b>	Faceplate double siemon	PCS	1		
		CAT 6 keystone siemon module	PCS	2		
		Siemon Cat 6e UTP cable	PCS	2 Rolls		
		Trunking (150x50mm)	PCS	100m		
		Metallic knockouts	PCS	20		
		<b><u>WIRELESS ACCESS POINT</u></b>				
		Unifi access point indoor with POE capable Adapter with three pin power cable and mounting bracket	PCS	2		
		<b><u>ACTIVE DEVICES</u></b>				
		Unmanaged D-link 16 port switches	PCS	3		
	<b>HEALTH SERVICES</b>					
	<b>Dressing Room</b>	Faceplate single siemon	PCS	1		
		CAT 6 keystone siemon module	PCS	1		
	<b>Dispensing Room</b>	Faceplate single siemon	PCS	1		
		CAT 6 keystone siemon module	PCS	1		
				<b>TOTALS</b>		