

Amendment No. 3-Equipment-count

Item Name	Description	Quantity
Infrastructure Project Office		
UPS	UPS	2
AVR	AVR	2
Power	Electrical power (DB)	2
GenSet	Genset	2
Electrical	Electrical General	1
CCTV	CCTV 5.5m * 11m *3m	1
Security systems	Fire Suppuration system 5.5m * 11m *3m	1
Access Control	Access control	1
BMS	Building Management System	1
Racks	racks 42U	9
CRAC	AC for Datacenter 20TR	3
Infrastructure Legon		
UPS	48KVA UPS	2
AVR	AVR 100 KVA	2
Power	Electrical power (DB)	2
GenSet	Gen Set 100 KVA	2
Electrical	Electrical General	1
CCTV	CCTV 5.5m * 11m *3m	1
Security systems	Fire Suppuration system 5.5m * 11m *3m	1
Access Control	Access control	1
BMS	BMS system	1
Racks	racks 42U	5
CRAC	AC for Datacenter 15TR	3
Infrastructure Kumasi		
UPS	UPS	2
AVR	AVR	2
Power	Electrical power (DB)	2
GenSet	Genset	1
Electrical	Electrical General	1
CCTV	CCTV 5.5m * 11m *3m	1
Security systems	Fire suppression system 5.5m * 11m *3m	1
Access Control	Access control	1
Racks	racks 42U	3
CRAC	AC for Datacenter 15TR	2
Infrastructure Subtotal		
Equipment		
DC HBR WAN routers	DC WAN access routers	4
DC HAR CE routers	DC WAN CE routers	8
Remote CE WAN routers	remote sites WAN routers	120
Remote Site PBX	Remote sites PBX	120
Remote User VoIP license	Remotes sites user VoIP license	2400
Centralised VoIP Communication Controller	Enterprise communication server	2
Project Office/ HQ User VoIP license	Project Office and HQ users licenses	500

IP Phone with Video Conference (Exec)	Executive users VoIP phone handsets	50
IP Phone for Advanced users	Advanced users VoIP phone handsets	500
IP Phone for Users	Standard users VoIP phone handsets	1200
Wireless IP Phone for mobility	VoIP Wireless Phone for mobility users	50
Wireless Microphone for conference room	VoIP wireless speakers for conference room	10
Smart Teleconference system for HQ/Project Office	High end video conference	2
Smart Teleconference system regional sites	High end video conference	9
Remote sites PoE switches (8 ports)	PoE 8 ports switch	111
Regional sites PoE switches (48 ports)	48 ports access switch with PoE for regional offices	9
Primary Internal DC Firewall	Primary DC Internal Firewall	2
Primary External DC Firewall	Primary DC External Firewall	2
Legon Firewall	Secondary DC Firewall	2
Kumasi Firewall	Primary DC Internal Firewall	2
DC Core Switch	DC core switches	4
DC Aggregation Switches	DC Aggregation switches	8
DC Access switches	DC Access switches	30
DC High-end Servers blades, VM OS included / x86 servers	DC grade servers for VM hosts	28
DC SAN Storage	DC Storage Area Network for DC and DR with 60T	3
Cabling copper (9600 ft)	DC rack copper cabling	9600
Cabling fiber (1100 ft)	DC rack fiber cabling	1100
Support	Support service	1
Racks		17