

High Level Item List for Data Center

1	Civil & Interior	
1.1	Brick Work	
1.2	Plaster Work	
1.3	Fire Rated Paint works	
1.4	Gypsum Board Partition or Drywall works	
1.5	Net finishing works	
1.6	Glass Partition works	
1.7	Fire Rated Metal Door	
1.8	Raised Floor System	
1.9	Ramp	
1.10	Floor Insulation	
1.11	Trunking Channel / Cable Ladder	
1.12	Mesh Cable Tray	
1.13	Fiber Raceway System	
2	Furniture Works	
2.1	NOC Room Table	
2.2	Chair	
2.3	Video Wall Frame	
3	Electrical System	
3.1	Earthing System	
3.2	Distribution Box [DB]	
3.3	Circuit Breaker	
3.4	Electrical Wiring	
3.5	Switch & Socket	
3.6	Light	
3.7	Phase Correction Device - PCD	
3.8	Bus Bar Trunking System	
3.9	Continuous Bus Track System for Data Hall	
3.10	Online UPS System	
3.11	Battery Monitoring System	
3.12	Automatic Voltage Stabilizer / Regulator System	
3.13	Continuous Rating Generator	
4	HVAC / Cooling System	
4.1	CRAC / CRAH	
4.2	Plenna Form	
4.3	Chiller System	
4.4	Comfort Air Conditioner	
4.5	Dehumidifier	
5	Passive Networking / Telecommunication System	
5.1	Server Rack	
5.2	Network Rack	
5.3	Communication Rack	
5.4	High Density Wire Manager	
5.5	Containment System	
5.6	ICT PDU	

5.7	Static Transfer Switch	
5.8	Structured Cabling System	
6	Remote Control & Management System	
6.1	KVM System	
6.2	Command Center Secured Gateway [CCSG]	
6.3	Intelligent Facility Management System	
7	Monitoring & Notification System	
7.1	DCIM – Data Center Infrastructure Management	
7.2	WLD - Water Leak Detection System	
7.3	EMS – Environmental Monitoring System	
7.4	Alert & Notification System	
8	Fire, Safety & Security System	
8.1	SRG – Signal Reference Grid	
8.2	Pest Control System	
8.3	Contamination Mat	
8.4	Passive Fire Protection System	
8.5	CCTV -	
8.6	VMS – Video Management System	
8.7	Access Control System	
8.8	Visitor Management System	
8.9	Turnstile System	
8.10	Metal Detector	
8.11	Baggage Scanner	
8.12	Aspirating Smoke Detection System	
8.13	Addressable Fire Detection System	
8.14	Portable Fire Extinguisher – CO2 & ABC	
8.15	Fire Suppression System – FK5-1-12	
8.16	Continuous Agent Loss Monitoring System	
8.17	Addressable Emergency Lighting System	
8.18	Data Safe	
9	Documentations	
9.1	Data Center Layout	
9.2	Single Line Diagram	
9.3	As-Build Drawing	
9.4	Data Center Operational Manual	
10	Tier Certification	
10.1	Tier III – Tier Certification of Design & Documents [TCDD]	
10.2	Tier III – Tier Certification of Construct Facility [TCCF]	
10.3	Tier III – Tier Certification of Operational Sustainability [TCOS]	
11	Data Center Operational Training	
11.1	DCOM – Data Center Operation & Maintenance	
12	Tools & Accessories	