

6.2.2.13 GTP of Operator Chair

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	Brand		To be mentioned by the bidder	
2	Model		To be mentioned by the bidder	
3	Brand Origin		To be mentioned by the bidder	
4	Country of Manufacturer		To be mentioned by the bidder	
5	Materials		Seat should be made of black fabrics on foam Cushoning and back made of nylon gray, five star metal vase with castor wheel, hydraulic gas lift.	
6	Installation		- Bidder should responsible for installation, Testing and commissioning	
7	Documentation		- Bidder must submit manufacturer authorization letter direct from OEM along with bid document.	
8	Warranty		Bidder should provide one (01) years full warranty	

[The Tenderer should complete all the columns as required]

Signature:

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Duly authorised to sign the Tender for and on behalf of the Tenderer

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6.2.2.14 GTP of Raised Floor System

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	Raised Floor		Access floor system to be installed will provide a maximum finished floor height of 300-450 mm from the existing floor level. The system will provide for suitable pedestal and under-structure designed to withstand various static loads and rolling loads subjected to it in an rack area. The entire Access floor system will provide for adequate fire resistance, acoustic barrier and air leakage resistance.	
2	Brand		ARCTIV or equivalent	
3	Origin of the Brand		To be mentioned by the bidder	
4	Panel		High pressure laminated, Calcium Sulphate	
5	Breadth Size		600 mm x 600mm	
6	Panel Thickness		32mm	
7	Finished Floor Height		FFH 300-450mm	
8	Panel		Panels will be made up of inert material Calcium sulphate. The bottom of the panel shall be of 0.05 mm Aluminum foil to create a fire and humidity barrier and this should provide floor's electrical continuity. Panels will remain flat through and stable unaffected by humidity or fluctuation in temperature throughout its normal working life. Load Bearing capacity 16000N/M ² .	
9	Panel		Panels will provide for impact resistance top surfaces minimal deflection, corrosion resistance properties and shall not be combustible or aid surface spread of flame. Panels will be insulated against heat and noise transfer. Panels will be 600 x 600mm x 32-35 mm thick fully interchangeable with each other within the range of a specified layout. Panels shall rest on the grid formed by the stringers which are bolted on to the pedestals. Panels shall be finished with anti-static HP Laminate and 0.45 mm thick plastic edge material that is self-extinguishing and will be PVC free	
10	Pedestal		Pedestal design will confirm speedy assembly and removal for relocation and maintenance. Pedestal base to be permanently secured to position on the sub-floor. Pedestal assembly will provide for easy adjustment of leveling and accurately align panels to ensure lateral restrain. Pedestals will support an axial load of 1500 Kgs, without permanent deflection and an ultimate load of 3000 Kgs. Pedestal head will be designed to avoid any rattle or squeaks.	
11	Stringers		Stringer system is composed of a special frame, made of pressed galvanized steel plate and with a section minimum 20mm wide, 30 mm high and 0.8 mm thick. The longitudinal ribs and flaps in the lower part should be designed to increase flexion	

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Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
			resistance. The grid formed by the pedestal and stringer assembly will receive the floor panel.	
12	Pedestal glue		Placing of pedestal base into concrete slab floor	
13	Accessories		Pedestal, Stringer and fasteners & other, materials will be in accordance to match for the above	
14	Others feature		Panel Systematically anti-static, Fire-proof, Damp proof, Support heavy load, easy to install, disassembly and interchange. Difficult to be dirty, easy to clean, decorative appearance and durable using term.	
15	Standard		ISO Certification for Manufacturer	
16	Steel Ventilation Perforated Panel		Perforated steel panels designed for static load shall be interchangeable with standard field panels and capable of supporting concentrated loads with at least the load carrying capacity as the standard panels. Panels shall have 58% or higher free air flow.	
17	Air Grommet		Air Grommet for raised floor cutout hole	
18	Section		Divided section.	
19	Brushes		Overlapping Brushes with double layer facilities.	
20			High Strength Flame Retardant ABS and quality Nylon brush.	
21			Latch removable brush section.	
22	Feature		Installation facilities at the panel edge or within the panel.	
23	Shape		Round or rectangle	
24	Compliance		Material is RoHS compliant per European. Directive 2002/95/EC on the Restriction of Hazardous Substances (RoHS).	
25	Panel Lifter		Panel Lifter, Double Cup Suction Type	
26	Thermal Insulation under Raised floor		Thermal Insulation for Server Room Under Floor Insulation	
27	Brand		Armacell or Equivalent	
28	Country of Origin		To be mentioned by the bidder	
29	Country of Manufacture		To be mentioned by the bidder	
30	Others Feature		Good fire retardant rigid Class "O" type insulation. top sides aluminium foil cloth and down side plain foam with corrosion resistant paint in total thickness 80 micron Doesn't absorb humidity Zero Ozone Depleting Potential, Green Product Fire safety, fire retardant Size: 4m(L) x 1.2m(W)/piece Thickness of panel: 18-19mm Density of polyure: 52kg/m3 Compressive strength: 200 N/mm2 Insulation solution gum as required	

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6.2.2.15 GTP of Electrical Cable

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	Main Incoming Cable LT Panel to PCD to AVR to MDB		1x185 RM NYY, BRB/BBS/Bizli or Equivalent, Bangladesh	
2	Cable For UPS In/Out (80kVA)		1x35 RM NYY, BRB/BBS/Bizli or Equivalent, Bangladesh	
3	Cable For Precision AC		1x16 RM NYY, BRB/BBS/Bizli or Equivalent, Bangladesh	
4	Cable For Industrial Socket		3x6 RM NYY, BRB/BBS/Bizli or Equivalent, Bangladesh	
5	Cable from MDB to Mechanical DB		1x35 RM NYY, BRB/BBS/Bizli or Equivalent, Bangladesh	
6	Cable from MDB to Utility DB		1x10 RM NYY, BRB/BBS/Bizli or Equivalent, Bangladesh	
7	Cable for UPS Grounding		25 RM BYA, BRB/BBS/Bizli or Equivalent, Bangladesh	
8	Cable for PAC Grounding		16 RM BYA, BRB/BBS/Bizli or Equivalent, Bangladesh	
9	Bonding Cable		4-6 RM BYA Green, BRB/BBS/Bizli or Equivalent, Bangladesh	
10	Earth Continuity Conductor		2.5/1.5/1 RM/RE BYA Green, BRB/BBS/Bizli or Equivalent, Bangladesh	
11	Cable For Combo Socket		2.5 RM BYA, BRB/BBS/Bizli or Equivalent, Bangladesh	
12	Cable For Light and Others		1.5 RM BYA, BRB/BBS/Bizli or Equivalent, Bangladesh	
13	Cable Ladder/Tray for Electrical Cable		Supply & Installation of Cable Ladder/Tray 250-400mm(W)x50mm, Color: Silver for routing cables under raised floor and overhead with all fittings and accessories.	
14	Accessories for Electrical works		PVC Pipe, PVC Channel and Others, cable tie, screw, GI wire, royal plug, royal bolt, PVC Pipe Joiner L, T, & Intersection shape, Clump, PVC tape, masking tape, rivet, high quality nylon fastener, etc.	
15	Installation Work		Installation of cables	

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6.2.2.16 GTP of Distribution Board (DB)

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	Electrical Panels		Supply, installation, testing, and commissioning of 415V, 3-phase, 50Hz indoor-type Electrical Distribution Board (DB Panel) of the following specifications: Type: Indoor, wall-mounted, factory-assembled, dust and vermin-proof, epoxy powder-coated steel enclosure. Standards Compliance: The DB panel shall conform to IEC other relevant international standards. Busbar: Equipped with hard-drawn, high-conductivity electrolytic copper busbars rated for required current capacity, TPN & E type, insulated and color-coded (Red, Yellow, Blue). Meters & Indicators: Voltmeter (0-600V) with selector switch. Ammeter of adequate rating with selector switch and current transformers (CTs). Indicating lamps. Suitable MCCBs, MCBs, etc., of required ratings as per the load schedule and design drawings. All breakers shall have proper labeling and identification for incoming and outgoing feeders. Panel to be locally factory-fabricated using 16SWG thickness. Epoxy powder coating. Cable entry from top/bottom as per site condition, with gland plates and necessary accessories. DB Size as per the requirement.	
2	Data Center Main Distribution Board (MDB)/ AVR Output DB		Incoming: 1 Nos 400Amp MCCB TP. Outgoing: 1 Nos 125Amp MCCB TP, 1 Nos 100Amp MCCB TP, 1 Nos 50Amp MCCB TP from ABB/Schneider/Legrand.	
3	Data Center UPS Output DB		Incoming: 1 nos 125Amp MCCB TP, Outgoing: 16 nos 32Amp MCB SP from ABB/Schneider/Legrand	
4	Data Center Mechanical DB		Incoming: 1 nos 100Amp MCCB TP, Outgoing: 3 nos 50Amp MCCB TP, 8 Nos 10-25 Amp MCB TP/DP/SP from ABB/Schneider/Legrand	
5	Data Center Utility DB		Incoming: 1 nos 50Amp MCCB TP, Outgoing: 20 nos 10-16Amp MCB SP from ABB/Schneider/Legrand	
6	Installation Work		Installation of DBs.	

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6.2.2.17 GTP of Earthing System

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	Earthing work		Earthing installation with 38.10mm (1.5") dia GI pipe having 6.35mm dia holes across the dia at 305mm interval, earth electrode (10'-0") securely bonded with 6 SWG HDBC earth lead with washer, nuts, bolts etc. sunk up to a depth 150ft or more boring ensuring resistance below 1 Ohm. Complete as per direction of the Engineer-in-charge. Earthing Cable. complete as per direction of the Engineer-in-charge. PIT-2'x2'x1' (Civil), MGB with support.	
2	Earthing Cable from Earth Pit to Data Center		120 RM BYA, BRB/BBS/Bizli or Equivalent, Bangladesh	

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6.2.2.18 GTP of LPS (Lightning Protection System)

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	LPS (Lightning Protection System)		The electrical activity in the atmosphere, particularly cloud-to-ground (C-G) lightning discharges, poses a significant risk to people, structures, and sensitive electronic systems. To mitigate this hazard, a comprehensive Lightning Protection System (LPS) shall be installed on the building roof in accordance with international standards. The system shall include air terminals (lightning rods), down conductors, and earth termination networks, properly interconnected to ensure safe dissipation of lightning energy into the ground, thus preventing structural and equipment damage. The lightning protection system shall be designed and installed in compliance with applicable standards. Include air termination rods at all critical points on the roof to provide a protective zone for the entire structure. Use copper or aluminum down conductors routed through dedicated paths, avoiding sharp bends. Be connected to a dedicated earth termination network. This system will ensure effective protection against lightning strikes, safeguarding the building, occupants, and all connected electrical/electronic systems from direct or induced lightning effects.	

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6.2.2.19 GTP of Signal Reference Grid

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	Signal Reference Grid (SRG)		The Signal Reference Grid (SRG) shall be provided within the data hall to ensure a low-impedance, equipotential reference plane for all sensitive electronic, IT, and communication equipment. The SRG shall be a copper grid network installed directly beneath the raised floor system within the IT white space. The grid shall form a matrix of copper strips or conductors, creating square meshes typically 600 mm x 600 mm (or as per raised floor tile layout). The grid shall cover the entire white space area and extend under major equipment. The SRG shall be bonded to the Earth Bus in multiple points to ensure equipotential equalization. Flat conductor, copper Size: 15 x 2 mm (w x h)	

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6.2.2.20 GTP of SPD

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	SPD (Surge Protection Device)		Nominal Voltage : 230V/400V, Maximum Discharge Surge Current : 50 KA, Maximum Accepted Value of the Follow-On Current : 200A, Thunder and Lightning Impulse Current (10/350) : 10KA, The Grade of Voltage Protection Is In 5KA '8/20) : < 1 KV, The Thunder and Lightning Pulse Assaults 1.2/50 of Voltage : < 1.5KV Response Time : < 25NS, Intensity of Safety Fuse of Maximum : 125A GI/GG, Current Strength of the Short Circuit : 50KA/50Hz, Operating Temperature : - 400C to + 800C, Module : Npe, Nominal Voltage Uc : 255V/50-60 Hz, Mounting Frame : 35Mm Guide Rail, According To EN 50022, Outer Cover Material : Thermoplastic Glass Fiber Material, Protect The Grade : General Type, Brand: Dehn, Europe or equivalent reputed make	

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[Handwritten signatures and marks]

6.2.2.21 GTP of 80KVA Online UPS 30Min Backup for Critical IT Load

(To be filled up and signed by the Manufacturer & Tenderer, otherwise the offer will not be acceptable)

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
1	Online UPS 80kVA		Supply, installation, testing and commissioning of 80KVA/KW online UPS with 30min Backup. Brand: APC/Vertiv or equivalent, Brand Origin: To be mentioned by the bidder. The 80kVA/kW Uninterruptible Power Supply (UPS) is a high-efficiency, three-phase online double conversion system designed to provide reliable and continuous power protection for critical facilities such as Data centers, telecom, and industrial applications. Operating at 400/415V, 50Hz, the UPS delivers true online power with unity power factor (kVA = kW), ensuring maximum capacity utilization and reduced energy losses. It features advanced IGBT rectifier and inverter technology, achieving up to 96.2% efficiency in double conversion mode and over 99% in ECO mode, minimizing operational costs. The system provides full digital control via DSP for precise voltage and frequency regulation, and includes a wide input voltage tolerance for stable operation even under poor mains conditions. The 80kVA model supports parallel configuration for redundancy or capacity expansion, includes an internal static bypass and maintenance bypass, and offers comprehensive monitoring through LCD display, SNMP/web interface, and remote communication ports. Built with compact design, it ensures high reliability, ease of maintenance, and compliance with IEC 62040-1/2/3 standards, making it an ideal choice for critical power continuity applications. Battery configuration is 100AH x 40 Nos battery, 12VDC each block, Battery Brand: Leoch or equivalent reputed make, 1 battery string for 30min Backup.	

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