

6.2.2.28 GTP of Rack Mount ATS/STS - 16A

(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	Static Transfer Switch (STS)		Supply, Installation, testing and commissioning of Rackmount STS. Brand: APC, Model: AP4423, rated current, 16 A, input 230 V AC 1 phase, output input 230 V AC 1 phase, 1U Rack height. Load capacity 3700 VA max, Number of power socket outlets 8xIEC 60320 C13 10 A 2P + E, 1xIEC 60320 C19 16 A 2P + E. Input Cable included	

[The Tenderer should complete all the columns as required]

Signature:

Name & Designation of tenderer

Signature

Name and Designation of Manufacturer

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

6.2.2.29 GTP of Conduit Work

(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	Conduit Work		Supply of Water grade PVC pipe and accessories of reputed manufacturers as per routing shown in the drawing, concealed/surface mounted in columns, ceiling, walls and other various places as required, complete with bend/elbow, PVC circular boxes, sockets, lock-nuts, male/female bushes, 18SWG G.I. pull/ wire, necessary taping of joints etc. as per instruction of the Engineer-in-charge. All materials of this item will be of approved quality. 20/25/32/70 mm dia Pvc Pipe.	

[The Tenderer should complete all the columns as required]

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6.2.2.30 GTP of Lighting 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	Lighting System		Supply and installation of 18-20watt (100% Accurate Watt) T5 Tube light with light set, Input Voltage: AC 220V, Hz: 50/60 Hz, PF:0.9, Light Color: White, Size: 4 Feet, Energy Saving, High Quality	

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6.2.2.31 GTP of Switch Socket and Socket Outlet

(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	Switch Socket and Socket Outlet		Supply, installation, testing, and commissioning of 13 Amp, 250V AC, 1-phase socket outlet complete with matching switch, suitable for general power distribution. The socket outlet shall be standard, made of high quality materials, and fitted on a flush or surface mounting box as required. The unit shall include shuttered safety mechanism, indicator lamp (for switched type), and screwless or concealed terminals for secure connection. Switches are 2/3/4/5 Gang. The work includes all necessary wiring terminations, mounting hardware, and testing for proper operation and insulation resistance.	

[The Tenderer should complete all the columns as required]

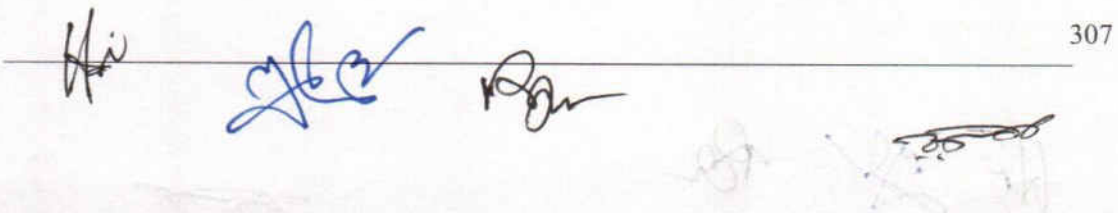
Signature:

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6.2.2.32 GTP of Industrial Socket

(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	Industrial Socket		Supply, installation, testing, and commissioning of 32 Amp Industrial Socket Outlet (Single Phase, 230V, 50Hz) shall be a heavy-duty, 2P+E type unit designed for safe and reliable power distribution data center IT Racks. The socket shall comply with IEC 60309-1/2 standards and be constructed from high-impact material, ensuring durability and long service life. Mechanically interlocked to prevent plug insertion or withdrawal under load. The contacts shall be low contact resistance and corrosion protection. All works shall include proper termination, earthing, labeling, and testing to ensure compliance with IEC 60309 and local electrical safety standards.	

[The Tenderer should complete all the columns as required]

Signature:

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6.2.2.33 GTP of CAT6A UTP 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	Brand		Commscope/Panduit/Prose or equivalent	
2	Model		To be mentioned by the bidder	
3	Brand Origin		To be mentioned by the bidder	
4	Country of Manufacturer/Origin		To be mentioned by the bidder	
5	Conformity		All passive products (Copper, Fiber and Rack) must be from same manufacturer in order to ensure the end to end proper integration.	
6	Standard		Should have ISO/IEC11801, ANSI/TIA-568-C.2.	
7	Construction & Conductor		Should be 4×2×23AWG 7 0.565±0.01mm	
8	Insulation Material		Should be PE	
9	Sheath Thickness		Should be 0.50±0.05 mm	
10	Nominal diameter		Should be 7.3±0.5 mm	
11	Surface		Should be Clean, Frap, Satiation	
12	Sheath		Should be PVC	
13	Before Aging Tensile Strength		Should be ≥13.5 Mpa	
14	Before Aging Elongation		Should be ≥150%	
15	Aging Period		Should be 100°C × 24h × 7d	
16	After Aging Tensile Strength		Should be ≥12.5 Mpa PVC	
17	After Aging Elongation		Should be ≥125% PVC	
18	Cold bend(-20±2°C×4h)		Should be 8 x Cable O.D., No visible cracks	
19	Impedance		Should be 100±15Ω (1-250MHZ), 100±22Ω(250-500MHZ)	
20	Delay skew		Should be ≤45ns (1-500MHZ)	
21	DC resistance		Should be ≤9.38Ω/100m	
22	Unbalanced resistance		Should be ≤5%	
23	Unbalance capacitance		Should be ≤330pF/100m	
24	Capacitance		Should be ≤5.4nF/100m	
25	Dielectric strength		Should be DC 1kv (3s No Fail)	
26	Insulation resistance		Should be ≥5000MΩ·km	
27	Bending radius		During installation (min.): 8 x outer diameter Installed (min.): 4 x outer diameter	
28	Documentation		- Bidder should provide relevant documents as reference of their compliance of the specific feature.	
			- Bidder must clearly mention the OEM model number.	
			- Bidder must submit manufacturer authorization letter direct from OEM along with bid document.	

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Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
29	Installation		- Bidder should responsible for installation, Testing and commissioning.	
			- Installation work should be completed through OEM certified engineer. Evidence should be submitted along with proposal.	

[The Tenderer should complete all the columns as required]

Signature:

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Signature

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6.2.2.34 GTP of CAT6A Copper Patch Panel

(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		Commscope/Panduit/Prose or equivalent	
2	Model		To be mentioned by the bidder	
3	Brand Origin		To be mentioned by the bidder	
4	Country of Manufacturer/Origin		To be mentioned by the bidder	
5	Conformity		All passive products (Copper, Fiber and Rack) must be from same manufacturer in order to ensure the end to end proper integration.	
6	Characteristic		- Should have ANSI/TIA-568.2-D for Cat6A - Should have rear cable manager - Port Type should be RJ45 (8P8C) Dust-proof Shutter Modular Jack. - Should be Snap-in design - Should have Convenient and clear marking. - Should be compliant to ISO/IEC11801.	
7	Dimensions		Should be 19-inch rack-mountable (1U height) with a standard width and depth to fit into standard network racks.	
8	Grounding		Should Include grounding provisions and hardware to ensure electrical safety and compliance	
9	IDC contact material		Should be phosphor bronze with silver or nickel plating	
10	RJ45 pin contact material		Should be phosphor bronze with 50u" gold plating	
11	Wire		Should be AWG 22 ~ 26	
12	Life (plug in /out)		Should be ≥750 times	
13	IDC life		Should be ≥200 times	
14	Voltage rating		Should be 125 VAC RMS	
15	Current rating		Should be 1.5 AMP	
16	Contact resistance		Should be 20 mΩ	
17	Insulation resistance		Should be 100MΩ @ 500V DC	
18	Dielectric strength		Should be 750V AC RMS 60Hz 1MIN	
19	Unbalance capacitance		Should be ≤330pF/100m	
20	Documentation		- Bidder should provide relevant documents as reference of their compliance of the specific feature. - Bidder must clearly mention the OEM model number. - Bidder must submit manufacturer authorization letter direct from OEM along with bid document.	
21	Installation		- Bidder should responsible for	

Sl. No.	Name of Item	Unit	Required specifications	Full Technical Specification & Standard (to be mentioned)
			installation, Testing and commissioning. - Installation work should be completed through OEM certified engineer. Evidence should be submitted along with proposal.	

[The Tenderer should complete all the columns as required]

Signature:

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Signature

Name and Designation of Manufacturer

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