

Request For Budgetary Estimate of DC and associated work at Medical College & Hospitals in Delhi

HSCC/Delhi /Phase 1/2025

Date-13/11/2025

Supply, installation, testing and commissioning of DC setup and associated work at Hospital campus:

Technical Specifications and Bill of Quantity proposed for above are enclosed herewith. It is requested to submit the Budgetary Quotation of the same inclusive of all taxes & duties.

The quotation should be on Company Letter Head with sign and stamp as per the BOQ format enclosed and should be submitted in Hard Copy only in a sealed envelope within 7 days of issue of this Notice at the following address:

General Manager (IT)
IT Department
HSCC (India) Ltd., E-6(A), Sector-1,
Noida (U.P.) - 201301.

General Manager (IT),
HSCC (India) Ltd.

Note-This is not tender, just request for budgetary estimation only. No work will be awarded based on this request for budgetary quotation.

Minimum requirement for Data Centre upgradation work

S.No.	Description of Item	UoM	Qty
1	FALSE CEILING-GRID/MODULAR		
	Providing & Fixing of Fiber mineral ceiling system on the entire area consisting of 600 x 600 mm of pre coated galvanised steel in 0.5 mm thickness with bevel edge in white colour.	SFT	300
2	RAISED/FALSE/ACCESS FLOOR		
2.1	Providing and fixing of Raised floor system with laminated panel with edge support rigid grid under structure system. system shall provide a height of 300mm in server, Panels will be 600 x 600mm x 35 mm height fully interchangeable with each other within the range of a specified layout.	SFT	200
2.2	Tile Puller	Nos	1
3	FIRE RATED DOORS		
	Providing and fixing of double leaf fire rated steel door as per drawing & thickness for Server room with SS ball bearing butt hinges, motorize sash lock, heavy duty door closer FR vision Panel of appropriate size		
	1500 x 2400 mm	Nos	1
4	Dismantling Work as per requirement	Nos	1
5	GYPSUM PARTITION	SFT	400
	Providing and fixing of 12mm fire line gypsum partition for windows and creating way for the Raceway		
6	WALL PAINTING		
	Providing and fixing of all necessary material (Putty, Primer, Paint etc) for painting the server area. cemented walls are finished with wall putty, two/three coats of FR paint of off white colour approved by client/consultant.	SFT	1000
7	Rodent repellent system		
1	Master Console for Rodent Repellent system	Nos	1
2	Ultrasonic Satellite Transducers	Nos	9
3	Flexible cable with 25 mm PVC conduit	Roll	1

Precision Air Conditioning Unit Specifications

Feature/Component	Description
Application	For server/data centre/patch/UPS/network room
Unit Type	DX type, EC fan-motors, fixed scroll compressor
Scope	Supply, install, test, commission precision AC systems
Compressor	High efficiency scroll
Vibration Absorber	Present in suction/discharge lines for compressor
Humidification	Immersed-electrode humidifier, auto drain, proportional control, 3/5/8/10 kg/hr
De-Humidification	By evaporator fan speed, split coil/solenoid not recommended
Electrical Panel	enclosure, main isolation switch, voltage/fault protections, 24V contactors for motors, relay block for alarms
Condenser Fan Controller	Fan speed based on refrigerant pressure
Safety Protections	Single/reverse phasing, phase unbalance/failure, overload tripping, wet floor sensor

Safety Interlocks	Heaters/humidifiers only operate with blower fan
Sequencing	Equal run hours, standby starts on fault
Controller Functions	Password-protected calibration, automatic reset, capacity control.

Existing infra details-

Switch	
Distribution	1
24P Port (Poe)	10
24 Port (Non-Poe)	10
48 (Non-Poe)	2
AP	30
Controller	1

Note-In case any survey required at site should be done before work execution.

1. Specification for CAT 6A LSZH U/FTP Cable

	Standard Compliance
1	The cable should consist of Eight 23 AWG solid copper conductors.
2	It should support Operating temperature of -20 to 60 °C

2. Specification for Category 6A Shielded Information Outlets

	Standard Compliance
	Category 6A - 10Gigabit outlets
1	The 8-pin modular (RJ-45) jacks shall comply with IEC 60603-7-4
2	The Category 6A outlets shall be backward compatible with Category6 and 5E cords and cables.

3. 1, 2 & 4 Port Face Plate

	Standard Compliance
1	Shall be available in 1 port, 2 port and 4 port square versions.
2	General Specifications Size: 3 x 3 square faceplate Color: White

4. Fiber Optic Patch Panel and Components

Sr. No.	Specifications
1	1U low-profile, high density fiber optic shelf shall be proposed that can be used for a combination of splicing and termination of fiber optic
2	Adequate number of Fusion splice holder trays should be included in the RFP.
3	The Panel shall accommodate up to 48 fibers to be spliced / terminated
4	The front plate of the panel shall be included in the proposal that can support LC-Style Duplex adapters
5	The alignment sleeve of the LC Duplex adapter shall be of Phosphor Bronze with integrated collapsible steel clip. This allows better retention and alignment of fiber connectors on patch cords and pigtails
6	The MM adapter shall support OM3 as well as OM3 fibers / patch cords.

Note- Any items missing for completeness of IT infrastructure should be taken as per the requirement.

Sr. No.	Item Description (With 5 years warranty)	Unit	Qty.	Rate	Amount
1	Supply, installation, testing and commissioning of Fire Detection System with GSM Dialler for Data Centre as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	No.	1		
2	Supply, installation, testing and commissioning of Access - Standalone Biometric cum card reader with Lock and Push Button, shall integrate with fire for auto door release for Data Centre as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	No.	1		
3	Supply, installation, testing and commissioning of Water Leak Detection System (for server room floor area) with GSM Dialler for Data Centre as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	No.	1		
4	Supply, installation, testing and commissioning of Rodent Repellent System (for server room) for Data Centre as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	No.	1		
5	Providing Manpower (Technician) for support services for 3 years	PM	72		
6	Supply, installation, testing and commissioning of CCTV System IP Based (NVR - 4 Channel, 4 MP Camera -4 Nos, Cable, HDD-1 TB, etc.) as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	Lot	1		
7	Supply, installation, testing and commissioning of Wiring of UPS from nearby DB required as per requirement and complete in all respect and as directed to the satisfaction of engineer.	Lot	1		
8	Supply, installation, testing and commissioning of Precision Air Conditioning system as per the technical specification mentioned and as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	Nos.	2		
9	Supply, Laying, Testing, Commissioning of C a t 6 A c a b l e as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	Mtrs.	10000		
10	Providing Manpower (L1 support) for support services for 3 years	PM	72		

11	Supply, installation, testing and commissioning of expansion of min sixty data points with all connectors, I/Os, Faceplates, patch chords, Panels and any other equipments to make it functional as per the requirement and all required equipment to make it functional as per the requirement	Lot	5		
12	Supply, installation, testing and commissioning of GSM Based Temperature & Humidity Online System for Data Centre as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	No.	1		
13	Supply, Laying, Testing, Commissioning of PVC conduit/flexible/batten as per the requirement as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	Mtrs.	10000		
14	Supply, Installation, Testing, Commissioning of 5 KVA UPS system as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	No.	1		
15	Supply, installation, testing and commissioning of expansion of min twenty data points with all connectors, I/Os, Faceplates, patch chords, Panels and any other equipments to make it functional as per the requirement and all required equipment to make it functional as per the requirement.	Lot	5		
16	Support of OEM of Network equipments at existing block as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	Lot	1		
17	Supply, installation, testing and commissioning of Civil & Interior Works - Fire Door, Fire Paint for Data Centre as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	Lot	1		
18	Supply, installation, testing and commissioning of Fire Extinguisher - clean agent for Data Centre as per the requirement & complete in all respect and as directed to the satisfaction of engineer.	No.	1		
Total					