



Sify Data Center: CHENNAI 02 CAMPUS

ADDRESS:

H11/A, Sipcot IT Park, Siruseri,
Chennai, Tamil Nādu 603 103, India.

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Your Digital Infrastructure Partner for over 25 years

Sify: The Data Center Pioneer!

As a pioneer Data Center Service Provider in India, Sify holds an undeniable advantage in offering every data center service - be it colocation, edge computing, network services, cloud services, digital services or system integration services. The technologies implemented in our data centers are the outcome of many years of data center operations and setting new industry benchmarks on par with the best practices in the South and tailored to the Indian ICT ecosystem. All our data centers are strategically located across different geographic locations, are concurrently maintainable, and complement each other as a data center or disaster recovery center.

The new Hyperscale Data Center campus, Chennai 02 in Siruseri, has **130+ MW** IT capacity with dense fiber deployment from various providers, enabling high capacity, low latency, and resilient network access across distributed data center sites. The campus has integrated **Cable Landing Station (CLS)** for transpacific fiber access. The **CLS** is away from port, fishing zones, oil blocks and all existing subsea cables.

The campus is strategically located close to business parks to serve the nearby IT hub and is well-connected by air, rail, and road transport systems. This carrier-neutral facility has dual Meet-Me-Rooms and onboards multiple telecom service providers, Internet Exchanges for redundant and robust telecom network facilities to customers. The strategic position of this data center will enable organizations from Hyperscalers, OTT, Manufacturing, IT/ITeS, BFSI, Healthcare and Pharma sectors to run their mission-critical applications.



Data Center Campus: Advantages

Hyperscale campus with **130+ MW** IT capacity.
3 Towers of 43+ MW each.

4 Fiber entry paths into the Data Center campus, with diverse fiber paths to each building.

6300 mm floor to floor height.

Integrated Cable Landing Station for Transpacific fiber access with 800-1000 Tbps capacity.

Green and **conventional power supply** for redundancy and sustainability.

Built-to-Suit towers to single cabinet deployment.

4 clear access paths to the Data Center campus from the main road, enables easy logistics movement.

2100 kg/sqm floor load bearing capacity.

10 Levels physical & electronic security.
K8 rated perimeter.

On-premises **230 KV** GIS substation.

Data Center Campus: Key Facts



Data Center Shell Building

- **RCC shell and core Floors** G+7
- **Data Hall Room Height:** 6300 mm slab to slab. 5100 mm clearance from slab to bottom of beam.
- **Floor Type:** Raised, 900 mm.
- **Structural Design:** IS 456:2000, Importance Factor 1.5.
- **Structural Floor Loading:** 2100 kg/sqm.
- **Freight Elevators:** 2 freight elevators with 4-ton capacity.
- **Fire Rating of Walls & Doors:** 2 hours.



Electrical

- **Power Feeder:** Onsite 230 KV GIS substation. (33 KV substation for Day 1 use).
- **Power Capacity:** Designed for 130+ MW IT capacity.
- **Power Density:** Power density of 8 -25 KW for air cooled racks and upto 150 KW for Liquid cooled workloads.
- **Transformer/Generator Configuration:** N+2, N+2C, N+N/3.
- **Downstream Power Configuration:** N+N power distribution with overhead bus bars.
- **Onsite Fuel Storage:** 48 hours, agreement with 2 fuel supply companies and another fuel supply agency for supply of fuel within 4 hours.

Data Center Campus: Key Facts



Building Management Systems

- **Building Management:** Integrated building automation system with PLC SCADA.
- **Physical Security:** 10 Level access control. Perimeter protection with Electric fence and Intrusion detection, K8 rated wall. Access controlled Gates and hydraulic crash guards, Security control room, X-ray Baggage scanner, 24x7 security guard service.
- **Access Control:** Smart card and biometric.
- **Video Surveillance:** 24x7 for all critical areas, retention for 90 days.
- **Fire Detection:** Addressable smoke detectors and aspirating smoke detectors for early warning.
- **Fire Suppression:** Novec® 1230 fire suppression system for Data Centre and electrical rooms. Option for pre-action water sprinklers available.



Cooling

- **Chiller:** Air cooled chillers with high water temperature and adiabatic cooling accessories. N+ 2 redundancy.
- **Environment:** Temperature and Humidity as per ASHRAE standards.
- **Containment:** Cold Aisle/ Hot isle Containment.



Integrated Cable landing Station

- **MMR:** Dual meet me room for telecom fiber links; N+N power with UPS and 5 minutes battery backup.
- **Carrier Neutral:** Multiple IXs, IP Transit POPs, Multiple Telecom MUXs.
- Four telecom entry paths to the MMR.
- MDF (Network Closet) in every floor, connected to MMR via 4 network risers.



Proposed Certifications



Fast track your digital transformation journey with a more agile, resilient, scalable, digital-ready IT infrastructure supported by a trusted partner who is charting India's digital growth story.

Sify Data Centers

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