



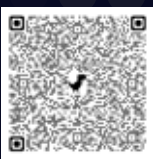
Sify Data Center: **RABALE CAMPUS**

ADDRESS:

R-847 , T.T.C Industrial Area,
Rabale, Navi Mumbai,
Maharashtra 400 701, India.

LOCATION:

73°0'50.96"E 19°8'49.83"N



Tried. Tested. Trusted.

*For over 22 years now
India's leading digital infrastructure partner*

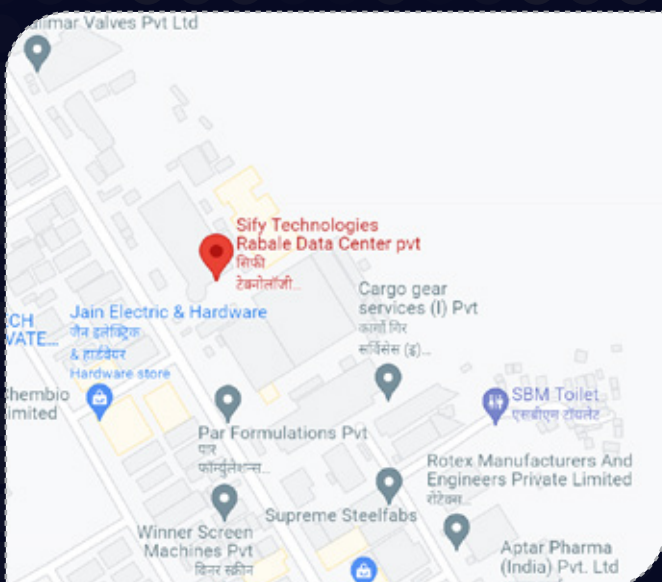
Sify: The Data Center Pioneer!

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 west 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.

Sify's Rabale Hyperscale Data Center Campus is designed for up to **200 MW** IT capacity with **15000+ racks**, and the region has dense fiber deployment from various providers, enabling high capacity, low latency, and resilient network access across distributed data center sites.

The expandable mega campus, located at Navi Mumbai, is designed for 10 towers of which 5 are currently operational and 5 are in planning stage. Tower 5 of G+8 layout is a fully hyperscale-ready data center, designed for **38.8 MW** IT power. Tower 6 will have **26 MW** of IT power, whereas Tower 7-10, will have upto **40 MW** of IT power each. The campus has a K4 rated security with **10 levels** of access control from entry to cage.

The campus also offers customers with build-to-suit options to customize and design a data center facility to meet their specific needs. It offers Hyperscale cloud deployments, colocation and managed services, disaster recovery as a service (DRaaS), cloud adjacency and CDN services to customers from India and worldwide. The carrier-neutral facility has dual Meet-Me-Rooms and multiple telecom service providers, Internet Exchanges for redundant and robust telecom network to customers. The strategic position of this data center enables organizations from Hyperscalers, OTT, BFSI, Manufacturing, Media and Entertainment, Healthcare and Pharma sectors to run their mission-critical applications.



Data Center Campus: Advantages

Hyperscale campus with **200 MW** IT capacity and **15000+ racks**

On-premises **110 KV** substation for Tower I, II and III and another **220 KV** GIS substation for Tower IV, V and VI

Large footprint Towers of G+8 layout

3 clear access paths to the Data Center campus from the main road enables easy logistics movement

K4 rated Security at the campus entry. **10 levels** of access control from entry to cage

Built-to-Suit and multi-tenant Data Centers in a single campus with strong network interconnection via secured **multi path CrossConnect**

Access to multiple Hyperscale clouds, OTT ecosystem & Internet Exchange peering points with low latency access

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

6300 mm floor to floor height with **2100 kg/sqm** floor load bearing capacity

Data Center Campus: Key Facts



Data Center Shell Building

- **RCC shell and core Floors**
Tower VI to X: G+8
- **Data Hall Room Height:** 6300 mm slab to slab. 4600 mm clearance from floor to 1st obstruction.
- **Structural Design:** IS 456:2000, Importance Factor 1.5.
Structural Floor Loading: 2100 kg/sqm.
- **Freight Elevators:** A minimum of 2 freight elevators with 3-ton capacity.
- **Fire Rating of Walls & Doors:** 2 hours.



Electrical

- **Power Feeder:** Onsite electrical substation on High Voltage feeder
- **Design Power Capacity:**
Tower V Designed for 38.8 MW and
Tower VI Designed for 26 MW
Tower VII to IX will add 20-30 MW of blocks per tower
- **Power Density:**
Tower V to IX: Power density of 10-13 KW per rack
- **Transformer/Generator Configuration:**
Tower V: N + 2C
Tower VI: N + N/3 for IT and N+2 for non-IT power distribution
Tower VII to IX – N+2C
- **Downstream Power Configuration:** N+N downstream power distribution with overhead bus bars
- **Onsite Fuel Storage:** 32 hours

Data Center Campus: Key Facts



Building Management Systems

- **Building Management:** Integrated building automation system with PLC SCADA.
- **Physical Security:** Perimeter protection with Electric fence and Intrusion detection, 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 Center and electrical rooms.



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 Containment.



Network

- **MMR:** Dual meet me rooms 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, connects to MMR via 4 network risers. Private secure conduits from MMR.



Proposed Certifications



sify

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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www.sifytechnologies.com marketing@sifycorp.com

