sify

Sify Data Center:
RABALE
CAMPUS

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

200 MW IT capacity

10 levels of access control

15000+ Racks

4 dedicated fiber paths

99 MW of Solar & Wind Power

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 **99 MW** of Solar and Wind power

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

Large footprint Towers of G+8 layout

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

10 Levels physical & electronic security, K4 rated perimeter

Built-to-Suit towers to single cabinet deployment

Access to **Hyperscale clouds, OTT** & Internet Exchanges. Robust network interconnect among Towers.

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

6300 mm floor to floor height

2100 kg/sqm floor load bearing capacity

Data Center Campus: Key Facts

Data Center Shell Building

- **RCC shell and core Floors Tower V 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 4-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 X** will add 20-30 MW of blocks per tower.
- **Power Density:**
  Tower VII to X: Power density of 10-13 KW per rack.
- **Transformer/Generator Configuration:** N+2, N+2C, N+N/3.
- **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

ANSI/TIA-942:2017 RATED 3 TIA-942   ISO 27001:2013 INFORMATION SECURITY MANAGEMENT SYSTEM   ISO 20000-1:2011   PCI DSS CERTIFIED SERVICE PROVIDER   ENVIRONMENTAL MANAGEMENT SYSTEM ISO 14001

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