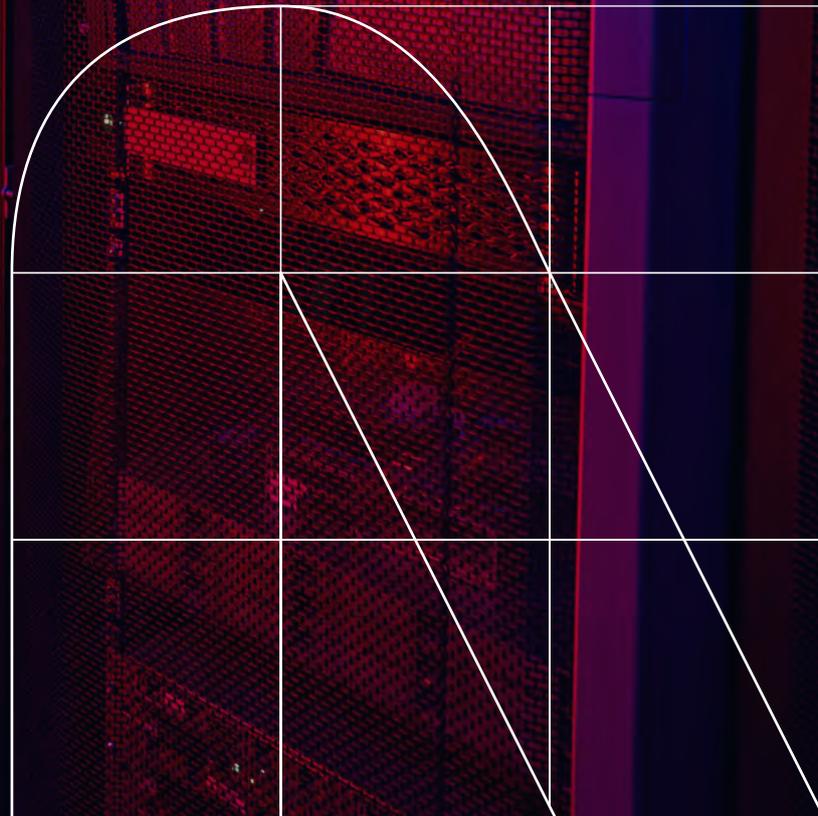


Intelligent Data Center and Hybrid Cloud | Global Data Centers

Mumbai Data Center 5

300,000 sq. ft. | 2,700 racks | 28 MW IT power



High density hosting environment services offered

- 300,000 sq. ft. of space
- Capacity to host 2700 racks and 28 MW power
- Availability of 99.999% achieved using universal power supply (UPS) and emergency generators, guarantees truly stable operations
- 28 MVA of facility power
- Equipped with fully redundant power and cooling systems and network devices

Network connectivity

Four diverse fiber paths

- Carrier-neutral facility to ensure reliability at network levels, via four distinct fibre paths entering the facility, all the way to the Meet Me Rooms.

Power infrastructure

11 KV feed through redundant lines from 60 MW Tata Power substation located adjacent to the facility. This sub-station itself is supplied by two separate upstream 110 KV substations and generating stations to ensure redundant power supply.

Redundancies at rack level:

- Rack power up to 15 KW
- Redundant transformer based PDUs aligned on two sides of each rack row
- PDUs supplied by N+N redundant UPSs backed by batteries located on same floor
- 200,000 liters (50,000 x 4) diesel tanks that ensure non-stop power for 48 hours on full load

High levels of automation

- Automated change over from main feeder to DG and vice versa
- Automated fuel movement from fuel storage to DG sets
- Auto start/stop of multiple chillers as per load conditions
- Auto disabling of access control and release of fire suppression gas in case of fire detection

Services offered

- Data Center Hosting – colocation
- Hosted IT Infrastructure - managed dedicated hosting
- Cloud Computing (IaaS) - public | private | hybrid | disaster recovery (DR) on Cloud
- Managed Services - RIM, IMS and Managed Security
- App hosting

All services are offered for both primary and DR needs.

State-of-the-art operations

Our operations team works on the C-S-P methodology

- C = Customer centricity
- S = SLA driven delivery
- P = Proactive support

These are based on our domain expertise in delivering IT infrastructure services to over 2,000 customers globally

Complete material movement from truck to the server hall without any tilt

Security

- Six levels of controls, with over 280 IP based CCTV Cameras
- 24/7 on-site security presence
- Building access only via Photo ID, metal detector, vehicle scan, boom barrier
- Access card and bio-authentication required for room access

New technology innovations

- Virtual private cloud
- Virtual load balancer as-a-service
- Next-gen backup and archival
- Improved data center network architecture

Monitoring

- Centralized Building Management System (BMS) to monitor every part of the facility
- You can monitor your infrastructure, tickets via our portal



- 1 Walk-in security
- 2 14 feet high perimeter wall
- 3 Vehicle entry gate
- 4 Vehicle scan and security
- 5 Vehicle exit gate
- 6 Lobby
- 7 - 11 Datacenter floors
- 12 Customer seating area and network operations center (NOC)
- 13 Regional office
- 14 Chiller platform
- 15 Material entry route
- 16 Cargo bay - Independent cargo handling through a cargo lift with a capacity of 3000+ kg
- 17 Transformers

High performance specifications	
Location	
Area	Chandivali
Access	<ul style="list-style-type: none"> • 15 minutes by car from International Airport • 25 minutes from Domestic Airport • 8 minutes from Saki Naka Metro Station • 18 minutes from Western Express Highway • 23 minutes from Eastern Express Highway <p>Distinct routes to Western and Eastern Express Highways ensuring multiple entry and exit points for material and customers to the facility</p>
Building specification	
Firm concrete building	Green Field project Raised Floor Load Bearing
Capacity	Capacity 1500 kgs/sq.mt.
Power	
Power receiving	Multiple 11KV feeders
Distribution	UPS system with N+N redundancy
Generator	Dual Power feed through POU with isolation transformer
Power provision	Power supply to a rack: 3.0 - 12.0 KVA
Connectivity	
Multiple carriers (Carrier Neutral)	TCL I Bharti Airtel I Reliance I TTSL MTNL I Aircel I Sify I Vodafone
Cables coming from redundant fibre paths in multiple Meet Me rooms	

Fire protection	
<ul style="list-style-type: none"> • VESDA + SBT Detectors • NOVEC 1230 Gas for fire suppression 	
High density rack	
Power capacity	Can cater upto 12KVA/rack
Cooling	PAHU on UPS power to provide thermal ride through in case of utility-DG change over
Standard Rack	
Type	Front and rear perforated door
Size (WxDxH)	600mm x 1000mm x 2100mm (42U)
Cooling	
System	Air cooling system with N+2, precision AC Management of temperature and humidity
Bottom throw	Raised Floor air conditioning system
Plenum Type	Bottom discharge below raised floor and return air via ceiling
Others	
Certifications	ISO27001, ISO9001, SAP and ISO20000
Business Facilities	Presentation room, meeting room, dedicated customer room

