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. Datacenter floors
8. Customer seating area and network operations center (NOC)
9. Regional office
10. Chiller platform
11. Material entry route
12. Cargo bay - Independent cargo handling through a cargo lift with a capacity of 3000+ kg
13. Transformer
### High performance specifications

**Location**

<table>
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<th>Area</th>
<th>Chandivali</th>
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**Access**

- 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

Distinct routes to Western and Eastern Express Highways ensuring multiple entry and exit points for material and customers to the facility

### Building specification

**Firm concrete building**

- Green Field project Raised Floor Load Bearing

**Capacity**

- Capacity 1500 kg/sq.m

**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 TSSL I MTNL I Aircel I Sify I Vodafone

Cables coming from redundant fibre paths in multiple Meet Me rooms

### Fire protection

- VESDA + SBT Detectors
- NOVEC 1230 Gas for fire suppression

### High density rack

**Power capacity**

- Can cater up to 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)

**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

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Disclaimer: The work described in this brochure was performed while the company was known as Netmagic.