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# MUMBAI

## MU1

MU1 is a 150 MW data center campus strategically located within a well-planned 50-acre IT/ITES park at Airoli, Navi Mumbai. MU1's location ensures highly reliable power supply and excellent network connectivity to support hyperscalers and enterprise customers.

MU1 is a carrier neutral, Uptime Tier III certified data center with industry leading specifications and highly flexible design. MU1 is Mumbai's first IGBC platinum (Indian Green Building council) data center and is also India's first OCP™ (Open Compute Project) ready facility.

As the demand for data center services continues to rise, MU1 is very well poised to offer globally standardized, scalable and sustainable services to customers.

## DATA CENTER OVERVIEW

Location: \_\_\_\_\_ Airoli, Navi Mumbai  
Latitude/Longitude: \_\_\_\_\_ 19.172654, 72.992812 4  
Total IT capacity \_\_\_\_\_ 150 MW  
No of buildings \_\_\_\_\_ 5  
Slab-to-Slab Clear Height \_\_\_\_\_ 5.5m  
Floor Loading \_\_\_\_\_ 17.2 kN/m<sup>2</sup> (1750 kg/m<sup>2</sup>)  
Loading Bays \_\_\_\_\_ 2  
Design PUE \_\_\_\_\_ <1.5

## COOLING

- Air cooled chillers with negligible water consumption
- Quick start data center specific chillers with high operating temperatures and N+2 redundancy
- Pumps with N+2 redundancy
- Thermal energy storage for 300 secs
- N+2 Redundancy in PAHUs/FWUs unit for each floor
- Liquid cooling technology compatible

## POWER

- Highly reliable 220 kV substation with diverse feeds from two independent utility substations
- Distributed/N+N redundant UPS system
- N+2 Redundancy for transformer and generators
- Independent set of transformers and diesel generators for IT and mechanical load
- UPS with 10 mins battery backup EOL
- 48 hours of on site fuel back up

## TELECOMMUNICATION

- Carrier neutral site
- Six diverse points of fiber entry
- Diverse meet-me rooms on opposite sides of each floor
- Advantage of OPGW fiber availability

## SECURITY AND INTEGRATED BMS

- 5 layers of physical security
- Dedicated control room with 24x7 manned supervision
- 90 days back-up for CCTV footage
- N+N redundant IBMS architecture

## FIRE ALARM SYSTEM

- ASD in all critical data halls, utility rooms and shafts
- Smoke detectors across all floors
- Pre-action/Gas based suppression system for data halls and utility rooms

## OPERATION SUPPORT

- 24 x 7 Customer desk
- 24 x 7 Remote Hands Service
- Office space available
- Secure storage and staging rooms available

## CERTIFICATIONS

- Mumbai's first IGBC (Indian Green Building Council) Platinum Certified Site
- First OCP (Open Compute Project) Ready Site in
- India Uptime Tier III Certified
- ISO 9001 , 20000, 27001, 45001, 22301
- PCI DSS