Sify Data Center:
NOIDA 02 CAMPUS

ADDRESS:

NB-11,12,13, Sector – 132, Gautam Budh Nagar, Noida, Uttar Pradesh - 201304, India.

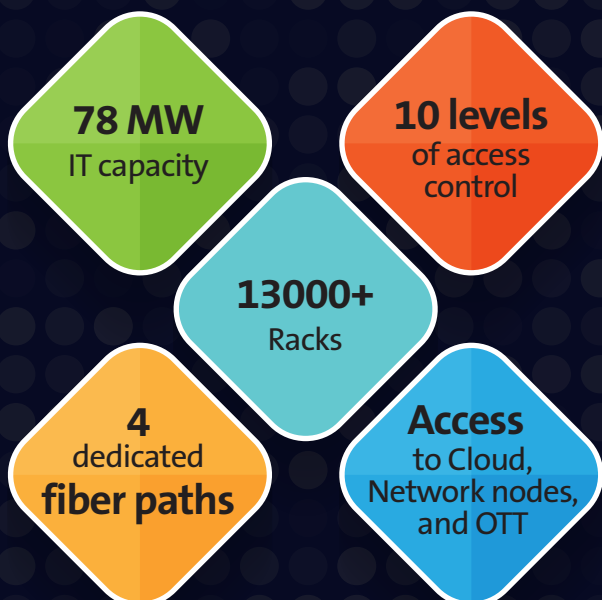## Tried. Tested. Trusted.

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 an 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 data center or disaster recovery center.

As part of the Noida campus expansion, Sify has added its second Hyperscale Data Center campus in Delhi NCR, Noida 02 campus. Noida 02 will have 3 towers with a total capacity of **78 MW**, **13000+ racks** & a dedicated on-premise **220 KV** substation for high availability. Noida 01 and Noida 02 will be interconnected with **4 diverse** fiber paths which will provide direct connectivity to Hyperscalers, OTT players and Cloud Connect Nodes. The Noida 02 campus has multiple layers of security with 10 levels of access control from entry to cage. The campus has **4 secure** underground conduits with concrete enclosure at 2000 mm depth for high capacity and resilience.

78 MW
IT capacity

10 levels
of access control

13000+
Racks

4
dedicated **fiber paths**

Access
to Cloud, Network nodes, and OTT

Data Center Campus: Advantages

Hyperscale campus with **78 MW** IT capacity and **13000+** racks. **3 Towers** of 26 MW each

Built-to-Suit towers to single cabinet deployment

---

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

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

---

6300 mm floor to floor height

2100 kg/sqm floor load bearing capacity

Interconnected to Noida 01 Data Center with access to Cloud, Network nodes, and OTT

10 Levels physical & electronic security. **K4** rated perimeter

---

Multiple options for Private power and Renewable power

On-premises **220 KV** GIS substation

Data Center Campus: Key Facts

Data Center Shell Building

- **RCC shell and core Floors** G+7
- **Data Hall Room Height:** 6300 mm slab to slab. 5100 mm clearance from slab to bottom of beam.
- **Floor Type:** Raised, 900 mm.
- **Structural Design:** IS 456:2000, Importance Factor 1.5.
- **Structural Floor Loading:** 2100 kg/sqm.
- **Freight Elevators:** 2 freight elevators with 4-ton capacity.
- **Fire Rating of Walls & Doors:** 2 hours.

Electrical

- **Utility feed configuration:** Onsite electrical substation on High Voltage feeder.
- **Design Power Capacity:** Designed for 78 MW IT capacity.
- **Independent Floor Design:** 4320 kW per floor power deployment. 2 x 2520 kW power PODs.
- **Power Density:** Average Power density of 8-13 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:** 30 hours, with 2 geo-diverse fuel re-supply contracts.

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. Option for pre-action Water sprinklers available.

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:** Hot or 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, connected to MMR via 4 network risers.

Proposed Certifications

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

AICPA SOC aicpa.org/soc4so Service Organizations | AICPA SOC aicpa.org/soc4so Service Organizations | International Organization for Standardization ISO 45001:2018 | International Organization for Standardization ISO 22301 | QUALITY ISO 9001:2008 CERTIFICATION