



# STT NOIDA DC 1 Factsheet

Noida has evolved as a key IT hub in the region, with excellent road and subway connections, housing alternatives, abundant power capacities, availability of Grade-A commercial space, and the upcoming international airport and logistics centre.

STT GDC India's state-of-the-art, enterprise-grade, rated 3 data centre in Noida offers specialisations in network connectivity, infrastructure, and colocation services. Located less than 1 km from Noida - Greater Noida Express way, STT NOIDA DC 1 will provide businesses with customer-centric customisable data centre colocation solutions to cater to ever-changing market demands.

## Building Overview

Purpose-built six-storey building with reinforced concrete super-structure, located in close proximity to an ISP network POP.

- Location: Sector 143-A, Noida, Uttar Pradesh
- Gross Area: ~5 acres
- Total Power Capacity: 17 MW scalable up to 35 MW
- Customer SLA for availability: up to 99.982
- Slab-to-Slab Height: 5.5 m
- Floor Loading: 1,500 kg/sq m
- Loading Bay: Sheltered loading bay with adjustable Scissor Lift
- Freight Lift: Heavy duty freight elevators



State-of-the-art fire detection and suppression systems



High-level physical security, biometric access management



All key systems equipped with dual feed from two independent paths



Carrier-neutral data centre with direct access to all major carriers, internet and cloud service provider



Cooling

- Dual coil CRAC (PAHU) machines with EC fans in N+1 mode with dual power feed
- Dual redundant header pipe with air-cooled chillers & pumps in N+1 mode
- Specially designed electrical distribution system to ensure quick restart with continuous circulation & uninterrupted cooling to data halls



Power

- Fault tolerant design, capable of delivering up to 18 MW of IT load
- On-site fuel storage of 48 hours at full load
- Dual dedicated 33 KV feeds from 400KV and 220 KV SS
- Up to 100% uptime redundant chillers, generators & UPS
- Distributed redundant UPS system with dedicated battery backup
- N+N or N+N/2 UPS design for redundancy
- 10 mins of Thermal Energy Storage (TES) / buffer tank



### Connectivity

- Carrier-neutral facility
- 3 diverse fibre entry path to the DC
- Multiple and separate MMR rooms
- Diverse data shaft
- Provision for seamless implementation of Fiber Guide System (FGS)
- Provision for multi-tier cable trays and secure conduits



### Civil Infrastructure

- Server hall designed with post tension slab to achieve 15 m long column separation without losing floor LBC of 1,500 kg/sq m
- Ramp-less floor design to avoid equipment tilt
- No false ceiling - C Strut infrastructure introduced
- Clear height of 5.5 m (slab to slab) for accommodating maximum size racks of 55 U (flexibility to go vertical)
- Floor height of 8 m at ground floor & 6 m at typical floor and clear height from beam bottom to slab 5.5 m, up to 55U racks.

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