

Noida Data Centre sustainability through green technology



### one of India's leading Data Centre service providers

Since building India's first Tier III Data Centre in 2000, Sify has been continuing the legacy of setting the standards for hosting services. It pioneered managed hosting and enterprise-ready cloud services and today, maintains a leadership position in Data Centre services. Sify's Data Centres are strategically located in different seismic zones, with highly redundant power and cooling systems that meet and exceed the industry's highest standards. With the all new Data Centre at Noida, Sify further justifies its position at the forefront of using innovation to merge ecology with technology in Data Centre infrastructure.

### next generation Data Centre at Noida (Delhi) - unique benefits

- 55,000 sq.ft. of raised floor space
- modular and customizable Data Centre with advanced technology, built to cater to high density load designed for 1.6 PUE at 100% loading
- high scalability and availability with 99.982% guarterly uptime
- unparalleled 'Z' level security for maximum data security
- carrier-neutral services
- designed and built as per leading industry standards Uptime Institute, ASHRAE, NFPA, IEEE standards
- design certified by Uptime Institute for Tier III Concurrently maintainable

### services that set new standards

#### infrastructure services

- shared racks
- dedicated racks
- secure cage

#### professional services

- DC migration services
- BCM/DR services
- database & application security audits
- ISMS/QMS audits

#### core services

- dedicated & burstable internet bandwidth
- backup services across heterogenous platforms
- managed firewall services
- weblog reporting
- server load balancing

#### **Data Centre Services**

#### enterprise risk management

- web application & security management
- vulnerability assessment & penetration testing
- high level & detailed risk assessment
- secure architecture design

#### managed services

- OS, DB, mail, application management
- FORTKNOX SLA based security services
- managed security services

#### hosted applications

- hosted mail SaaS
- shared webspace
- storage on demand

# Greenfort Data Centre at Noida (Delhi)





# providing unparalleled benefits

features	description	benefits
Power	2(N+1) active redundant UPS topology Dual power distribution till the rack Dedicated transformer and diesel generator sets for every floor with N+1 redundancy	Very high uptime on power infrastructure Designed for high power density racks
Air conditioning	Chilled water based cooling infrastructure with N+1 redundancy Designed as per ASHRAE guidelines CFD tool-based design for airflow management Air and gas purification system installed in Data Centre	Optimized, uniform and clean airflow to the racks Supports high density cooling requirements
'Z' level security	Video surveillance of perimeter and DC floors with digital video recording Advanced fire alarm and aspirating smoke sensors Multilevel access control system along with physical security guards Automatic fire suppression system with Novec1230 Other features include – Water leak detection, ultrasonic rodent repellents	Highest level of security, giving you complete assurance on data and personal safety
State-of-the-art building structure	Building specifically designed for Data Centre Load bearing capacity of 1500 kg/sq.m. Building designed as per IS 1893:2002 criteria for earthquake resistant design of structures	Ideal for high density Data Centre build and high safety requirements

### other services

## managed hosting services

Sify's managed hosting services can meet every requirement, from dedicated platforms to fully converged pay-per-use virtualised cloud platforms. Sify's offerings include operating system management, mail and application management, database management and security management.

### on-demand cloud services

As a pioneer in enterprise-ready cloud services, Sify offers ready-to-use compute storage platforms on a pay-per-use model. Sify's services include laaS (Data Centres, Virtual Data Centres and Cloud Centres), PaaS and SaaS.

## Cloud Cover from Sify

Cloud Cover is a concept pioneered by Sify, where all major Data Centres and cloud capable infrastructure in India are connected through a robust fibre network. This offers a huge advantage to customers who have the flexibility to host Data Centre, near Data Centre, DR and cloud applications at different locations with different service providers and be connected through the same fibre network. Sify offers true carrier-neutral Data Centres with robust connectivity from leading Indian carriers like Reliance, TCL, TTML, Bharti Airtel, PGCIL, Railtel, Vodafone, BSNL/MTNL, Tulip and TTSL.

Sify has connected all major Data Centres in the country, offering Cloud Cover to its customers. Sify's extensive Data Centre capabilities are complemented by its infrastructure and expertise in connectivity and security to give enterprises and carriers a competitive edge. Added to this, strong uptime Service Level Agreements make Sify the ideal partner.

### what makes Sify the right answer?

- over 13 years of operational and technical expertise in 'design, build and operate' Tier III Data Centres
- successfully managing Data Centres for high loads with 100% uptime for the past 8 years
- over 200000\* sq. ft. of white space
- Sify has a network of six Tier III Data Centres and fifteen Tier II Data Centres
- service delivery framework based on ITIL, certified on ISO9001, ISO27001, ISO20000 process standards
- over 500 man-years of experience serving 500+ customers, spread across diverse industry verticals BFSI, pharmaceutical, manufacturing, media, e-commerce and retail
- cloud-ready Data Centres providing lower TCO and higher performance
- converged ICT company with superior connectivity and security support
- Cloud Cover from Sify connects all major Data Centres in India through optical fibre network



### awards and accolades



Best Telecom Data Centre Award for the years 2009, 2011 at CMAIs National Telecom Awards

## HITACHI Inspire the Next

Platinum Award for the Best Cloud Infrastructure Strategy for the year 2011, conferred by Hitachi

# **Gartner**

'Introduced into Gartner Magic Quadrant for Cloud-enabled Managed Hosting - Asia Pacific, 2014'. Gartner has rated Sify amongst the top 20 Global Infrastructure Service Providers - 'Gartner Report' Remote Infrastructure Management Worldwide



Best Implementation of Virtualization and Cloud Security for the year 2011, conferred by Fortinet

# FORRESTER\*

Forrester Research has recognized "Sify Data Centre services as the best suited for discrete offshore remote management." - 'Forrester Wave' Global Delivery Infrastructure Management



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