



TRIMAX

Answering needs.
Integrating technologies.

Case Study

The first Indian Public Sector Unit (PSU), the Indian Telephone Industries Limited (ITI) sought a data centre. But the project wasn't ordinary: a large data centre with world-class infrastructure, multi-density racks that met global standards had to be put up in record time! It was to be a project with several firsts. The clock was ticking...

Trimax builds Data Centre for ITI

About the Client

For India's first Public Sector Unit (PSU) that started in 1948, Indian Telephone Industries (ITI) Limited has come a long way. Today, this pioneer in the telecommunications industry contributes to more than 50% of the national telecom network. With state-of-the-art manufacturing facilities spread across six locations and an extensive country-wide service and marketing presence, ITI offers the complete range of telecom products and solutions

Business Challenge

Ushering in a new phase in its history, ITI inaugurated two mobile equipment manufacturing facilities in 2005-06. In addition, the company was also consolidating its diversification in the information and communication technology space by deploying its rich infrastructure and extensive expertise.

To enable further growth, and in line with the business goals of the company, ITI needed their own private data centre. It would be the first data centre to be built under public-private partnership and a massive one at that – 120,000 square feet, tier-III data centre which would also be the first data centre to support multi-density racks with power requirements ranging from 4 KVA to 14 KVA. Above all, ITI wanted environment friendly technology

Solution

Trimax stepped in to provide a world-class data centre solution to ITI Limited. With extensive experience in setting up data centres from consulting to innovative services, Trimax has set up and managed data centres for organizations, allowing businesses to focus on their core functions. Trimax's project scope for ITI included the following activities:

- » Site survey and preparation
- » Establishment and commissioning of the data centre
- » Obtaining regulatory approvals
- » Pilot-run of the data centre
- » Monitoring the set-up of the data centre
- » Management and maintenance
- » 24x7 centralized monitoring
- » Mobilizing manpower for data centre service delivery
- » Continuous improvement of the data centre

Specifications	High Density (Ground Floor)	Medium Density (First Floor)	Low Density (Second Floor)
Raised Floor Area	1766 sq. ft.	6060 sq. ft.	3892 sq. ft.
Number of Racks	42	168	105
Power Density	325 watts/ sq. ft.	236 watts/ sq. ft.	184 watts/ sq. ft.
Load Bearing Capacity	Up to 2000 kgs per rack	Up to 1200 kgs per rack	Up to 800 kgs per rack
UPS Systems		13 nos. x 500 KVA (2N+1)	
Battery Banks		13 x 126 nos. (2N+1)	
Precision Air Conditioners		29 nos. x 30.69 TR (2N+1)	
HVAC Systems		4 nos. x 366 TR (N+1)	
Diesel Generators		5 nos. x 1500 KVA (2N+1)	
False Floor to Ceiling Height		8.5 ft.	
Height of Raised Floor		2 ft.	

Business Benefits

ITI Limited got its data centre built on time. The data centre was built as per specifications, deploying environment-friendly technology. Today, ITI strides the telecom space without worrying about its data centre as Trimax manages it for them successfully. The project is an important milestone for not just ITI and Trimax, but the entire country.

Conclusion

The ITI project proved Trimax's capability to take up new and complex challenges, and meet their goals successfully and to their customer's complete satisfaction.

Testimonials

"An extremely well thought and well executed project utilizing strength of both ITI & Private sector. ITI and Trimax deserve rich commendation for their dedication."

Subodh Kumar, *Ministry of Telecommunication and IT*

"The Data Centre has come up really well, within a short time span, which is commendable."

Ajith Kumar. S, *BSNL*

"Fantastic achievement in a relatively short span. World-class data centre in all aspect, at par with what I have seen in few of the overseas countries."

Dr. Madhu Nambiar, *MD & CEO, PC Martin*

"Use of best-of-breed in technology. A world-class infrastructure by all means."

Gartner, *Leading IT Research & Advisory Company*

About Trimax

Established in 1995, Trimax IT Infrastructure & Services Ltd. (Trimax) offers managed IT services, data center and cloud services, customized industry specific solutions, turnkey solutions and custom application services. Our clientele includes state governments, public sector undertakings, and business enterprises across banking, insurance, telecom, transport and energy (oil & gas) sectors. We have proven expertise in managing large and complex IT Infrastructure projects with a pan-India coverage. Our flexible engagement model enables customers to balance their CapEx and OpEx investments with their business priorities.



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Trimax IT Infrastructure & Services Ltd.

ISO 9001:2008, ISO 27001:2005 & ISO/IEC 20000-1:2005 Certified Company

Managed IT Services • Data Centre Services • Cloud Computing • Application & Business Intelligence Services

Regd. Office: 2nd Floor, Universal Mill Building, Mehra Estate, L.B.S Road, Vikhroli (W), Mumbai 400 079.

Tel. 91 22 4068 1001 • **Fax** 91 22 4068 1002 • **E-mail** sales@trimax.in • **Web** www.trimax.in