

CASE STUDY – TATA SKY DTH

2005-06

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Tata Sky

Project Details

Name : Tata Sky DTH Earth Station . **Year of Construction:** 2005-6

Location: Chattarpur, New Delhi. **Area of Facility:** 40 Acre

Electrical Load of Facility: 2500 KVA. **No: of Racks:** 300+

Background:

Tata Sky is a joint venture between the Tata Group, that owns 70% and STAR India that owns a 20% stake. Tata Sky was the second operator to launch DTH or direct-to-home services in 2006. The facility chosen was an old Videsh Sanchar Nigam Ltd building for Satellite earth station, and was converted to house the DTH facility.

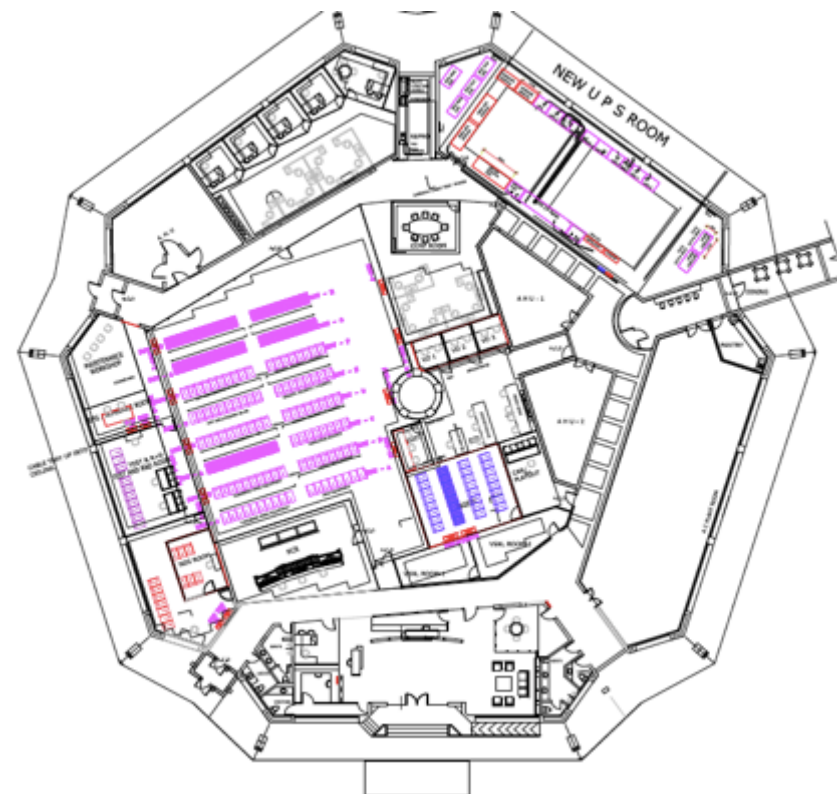


mCIC Scope

mCIC teamed up for this facility with an Architectural Interior Design firm. The scope included Interior Design for technical areas, Complete Electrical Design including HT to last mile distribution, earthing and grounding and Lightning protection, Low Voltage System including Access Control, CCTV Surveillance, Intrusion Detection and Building Automation System, Fire safety including high sensitivity Laser based Detection System, Addressable fire Detection and Alarm and Gas Based Suppression System, other system like rodent repellent and water leak detection system etc.

Design Details & Challenges:

An existing building poses its own constraints and hurdles for any project. And more so if it's a Data Centre based facility. Though we were fortunate that the building heights were extremely generous and conducive for raised floor and other services. The layout to match the work flow however was a challenge. Also the client's expectations of a "first born" facility and its good looks and modern feel. Long runs of cables had us to closely look at and value engineer its sizes and location of critical electrical equipment's. Being one of the 'early' Data Centre facilities in India, getting 2 separate and distinct sources and paths of power from the State Electricity board was a huge hurdle.



Images



Media Equipment Hall



NOC Video Wall



Reception



Visitor Lounge

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