CASE STUDY: MLCP (TERMINAL 3) AT IGI AIRPORT DELHI

PROJECT PARAMETER:

No of Floors : G+5 Floors
No Of Ramps: Four
No Of Staircase: Five

PROJECT FEATURES:

This facility comprises of

- Electrical system – Grid & Stand by
- Fire protection system – detection & fighting system.
- PHE – Water, Waste Water & Storm water systems
- HVAC system with Precision air conditioning for communication room.
- Vertical transportation

Client

- GMR Infrastructure Limited

Project Highlight

The Multi Level Car Parking Project is located at Delhi International Airport. The facility is constructed near T-3 Terminus Building and the total built-up area is 1.25 million sft and is intended to serve the parking requirement for the new terminal. The Parking building is connected directly to the terminal building through corridors at ground floor and second floor for smooth flow of pedestrian traffic.

There is a separate service building constructed on eastern side of building to fulfil the complete requirement of the support infrastructure for main parking building such as Electrical supply, DG backup, Fire suppression system and PHE.

SYConE Mandate:

Pre Construction stage

- Technical study and development from DBR data and drawings.
- Development of design concept from existing G + 3floors to G + 6 floors of all services.
- Concept development for missing details.
- Review of technical specification and recommendation.
- Quantity Surveying – Quantity & Cost Estimation
- Procurement Documentation
- Preparation of construction methodology.
- Preparation of master construction program
- Preparation of resources and deployment schedule.

Value Engineering

Part of the mandate was to review the design and explore opportunities for MEP System Optimization. A total of Rs190 million saving was proposed, accepted and implemented

Post Construction stage

- Review meeting with consultants, clients and vendors to understand and preparation of O&M manual.
- Training of vendors for submission of inputs and data
- Preparation of templates for O&M manual documentation.
- Compiling of O&M as per approved guidelines.
- Training to end user on operations and maintenance