

Site Visit: Petronet LNG Head Office, New Delhi (Office Building)

Date: 13th Oct 2023

Venue: Sector-14, Dwarka, New Delhi

Batch: 3rd year

Report prepared by: Ar. Deepak Kumar



3rd year Students at under construction site of Petronet LNG Head Office Building at Dwarka, New Delhi.

Faculties:

- Prof. D.L. Srivastava, Ar. Deepak Kumar

Learnings:

A group of 32 students studying in B.Arch. III Year at MBS School of Planning and Architecture in Dwarka, New Delhi, visited an under-construction site for Head Office building of Petronet LNG at Dwarka Sector-14, New Delhi under the guidance of Prof. D.L. Srivastava and Ar. Deepak Kumar.

The five storied skeleton of the building with core and basement has been completed. The building skeleton has come up as a land mark and is clearly visible from Dwarka sector 14 metro station. It is a steel composite structure with RCC and a good example for basement study along with composite structure. The head office building is based on out of box design concept comprising two ship shaped blocks being constructed in curvilinear steel box sections in outer façade and is radially tied to the central inclined hollow steel column. The end circular parts are further connected with the central RCC core.

Students had fun exploring and questioning the material and constructions details like inclined steel columns, fly ash bricks, joints of steel structure, fixed supports, hinged supports, basement of building like basement ramps, sump, grating, glazing, waterproofing and services including shafts, STP, Pump room etc. This site visit allowed the students to obtain a better understanding of site conditions and work required, as well as helped to gather practical understanding.

We are thankful to Mr. Rajesh Kanoria, Mr. Vipin and Mr. Sujeet for providing their time and knowledge to our students.

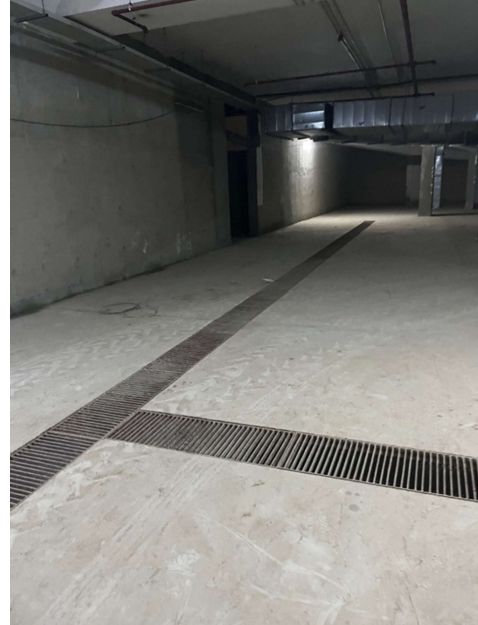
Site Pictures



1. 3rd year student at Petronet LNG Head office building.
2. Net Glazing being used at the façade of the building.
3. Waterproofing detail at the basement retaining wall.



Cutout provided for basement ventilation.



Grating provided in the Third Basement.



Site Engineer Er. Vipin explaining the RCC Steel composite at site.