

A Report on

“Industrial Visit at HVDC Substation, Padghe”

By

Department of Electrical Engineering,

VPM’s MPCOE, Velneshwar

24th September 2022, 10:30pm to 3:30pm

Offline mode

Report

Visit to :- HVDC substation Padghe

Date :- 24 September 2022

Final year Electrical Engineering students from VPM's Maharshi Parshuram college of Engineering visited HVDC Padghe substation on 24th September 2022.

Padghe substation receives HVDC power from Chandrapur and it convertes that DC power into AC power and sends it to Padghe 400 kV substation and Kalva substation.

In this industrial visit Mr. Sarfaraj Ahamad assisted the students. Initially students were shown DC switch yard unit, dc side earthing, filters. As DC side was incoming for this substation. Then we moved towards AC side. Students were shown transformers, AC filtets, smoothing reactors, circuit breakers and other protection equipments etc.

Up to this, it was *'outdoor visit'*

Then we moved *'inside'* the substation. Students were shown entire control panel, single line diagram and how power flows from Chandrapur to Padghe and towards Mumbai. Thyristors valves were also shown to the students.

Overall visit was extremely interactive and fruitful.

From company side Mr. Deepak Patil, Mr. Ram Kolhe and Mr. Salfaraj Ahamad guided us to become this visit interactive and fruitful.

Also from our college side our Director Dr. Kirti Agashe, Electrical HOD Mr. Satish Ghorpade have taken special efforts to become this visit fruitful.

Total 12 students from final year Electrical Engineering were enthusiastically participated in this visit.

Some Photographs are attached herewith.



Mr. Yogesh Katdare
Industrial visit Coordinator

Mr. Satish N. Ghorpade
HOD.