

## Industrial Visit Report

**Name of Industry:** 400 kV Substation, Power Grid Corp. of India Ltd. (PGCIL), Dehgam

**Date of Visit:** 13/09/2017

**Faculty Coordinators:** Prof. Chintan Patel, Dr. Ritesh Patel

**Class:** 4<sup>th</sup> Year UG and 1<sup>st</sup>-2<sup>nd</sup> Year PG Students

**Number of Visitors:** 55 students + 2 Faculty Members

Department of Electrical Engineering has organized an industrial visit of 400 kV Substation, Power Grid Corp. of India Ltd. (PGCIL), Dehgam students. 55 students along with 2 faculty members visited the 400 kV substation on the mentioned date.

The substation has two bays each of 220 kV and 400 kV. There are two Inter-Connecting Transformer of 315 MVA capacity which connect the 400 kV system with 220 kV system. Also there are 3 fixed shunt reactor 50 Mvar each. We also observed functions of RTU, PMU and other advanced components.

The visit was very fruitful as we learned functioning of 400 kV substation. We collected very important information like practical data which are not available in books and other literature. Many of our doubts are cleared by the discussion with experts of the plant.





**G H PATEL COLLEGE OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**

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