

An Industrial visit to PGCIL, Bahadurgarh (400/220 KV Grid Substation)

1. An Industrial Visit of EEE and ECE, 3rd Year Students have been organised on 28/03/2018. The students visited 400/220 KV Grid Sub Station facilities and learned how the 440 KV is being transferred to 220 KV and further how it is used for the purpose of distribution to homes and nearby industries.
2. The students were explained about all the essentials and components of the 440KV substation by Mr. Balbir Singh, Senior Engineer, PGCIL, Jhajjar. A live demonstration of the following equipment's was given by Mr. Singh. The students raised large number of queries and the demonstration session was quite interactive and interesting containing lots of technical knowledge.
 - I. Transformer – 440 KV to 220 KV Step Down
 - II. Circuit Breakers
 - III. Protective Relays
 - IV. Lightening arresters
 - V. Load break switches
 - VI. Electrical contacts
 - VII. Isolators
 - VIII. Buchholz relays
 - IX. Differential Relay
3. The visit enriched the student's practical exposure towards power distribution and transmission.



