

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER
DEPARTMENT OF MECHANICAL ENGINEERING
REPORT ON INDUSTRIAL VISIT

DATE: 17-02-2020

INDUSTRY: GAIL, Jaipur

An Industrial visit to GAIL (Gas Authorized India Limited) BASE Mansarampura, Jaipur was organized by Department of Mechanical Engineering JECRC foundation for the 2nd year students of Mechanical Dept. The visit was conducted for B batch on 17th February 2020 in the morning at 9:30AM. There were 25 students of batch-B with two faculty members visited to GAIL India LTD. Students and Faculty was welcomed by management of institute and a conference meeting was organized in inspirational building at which an informative session for students were arranged by institute which were taken by Mr. G. R. Chouhan (General Manager of institute) and Me. Neeraj Kumar (Dept. Manager) of institute. Mr. Neeraj Kumar introduced institute to students with various slides and ppt. and give information about world longest pipeline from JAMNAGAR and KANDALA to LONI through which Transportation of Gas(LPG) and liquid by pipelines among different states from Gujrat , Rajasthan, Haryana, Delhi and UP and give information about hazardous and safety managemy to prevent from any kind of explosive. The General Manager concluded the session by motivating students by gaining some practical knowledge and take summer internship in GAIL India LTD , Jaipur.

After the session students were visited to various departments of institute, firstly they visited to IPS (Intermediate pumping station). The IPS room was fully

computerised and have GPS signals shown on screen give information about situation of pipelines from Gujrat to Delhi. At which shown Gas are transport from Jamnagar and Kaland after they mix and boost up at IPS and transport to samikhali with 354 T/KG and then to Abu road IPS and then to Nasirabad IPS station and then IPS mansarapura Jaipur(Headquarter) then to Loni IPS. At IPS room several controls to control amount of gas transport and various safety Management to prevent from explosion.

After IPS control room students with Faculty members and site engineer visited to pumps at that site centrifugal pumps are used to transport LPG and for maintenance of pipelines IPF(Intermediate pigging facility) method is used in which pigging is transfer in pipelines which capture data inside the pipelines. After that engineer give information about to protect pipelines from rusting by using of method of electrolysis in which pipelines is used as cathod compared to soil. After that students and faculty member have photo session with General Manager of GAIL India LTD.

Finally, students with faculty left the premises at 1:30pm. It was an informative and an interesting visit for the students of 2nd year. As students understand and get information about transportation, pumping and safety Management knowledge which is always important for mechanical department.