

A REPORT ON
ONE DAY INDUSTRIAL VISIT
TO

Oil and Natural Gas Corporation Limited (ONGC), Borholla

A batch of 3rd semester & 5th semester students of Instrumentation Engineering Department along with faculties visited Oil and Natural Gas Corporation Limited (ONGC) at Borholla on 15-09-2018. This unit was mainly focusing on the industrial safety, crude oil processing, and function of process control valves.

At first, the group reported to ONGC Security Office, Main Gate, Cinnamara Complex, Cinnamara, Jorhat on 15th Sept.2018, for onwards journey to GGS Borholla. At Borholla Mr. Ajay Kumar Tyagi, ONGC Operations Head, addressed the students and introduced about the three major parts of the plant i.e. measurement, safety and control section. He explained about the functioning of this Unit. Later Mr. Kumar, Safety officer, explained the different steps of process plant for the safety of the unit. He also warned the students how to reach a safe assembly point if any accident happens in the unit during visit.



Later Mr. Tyagi also explained the agenda of the day. The agenda was training on:

1. Crude oil processing
2. Separation of oil and gas from crude oil
3. Measurement of three process parameters i.e. temperature, pressure and flow
4. Safety of the plant
5. Quality check of processed oil and gas
6. Plant wide control

During this session, students interacted with the H.R. Manager very effectively. Particularly about the raw materials and their identification, isolation and storage. Then Mr.Gili, Instrumentation section in-charge, explained the measurement of process variables, crude oil processing and controller operation. He explained how to separate the oil and gas from the processed crude oil.

After this session students were taken to industrial trip in two batches. Both the batches were taken to measurement unit, production unit and control unit. During the trip students gained practical knowledge about the handling of the raw materials (crude oil) having different characteristics and properties. Many of the points explained theoretically in the first session were explained again practically. In measurement unit, students were exposed to measure and control of process variables i.e. temperature, level and flow.





After this session all the students were offered a nice lunch on behalf of the Department of Instrumentation Engineering, Jorhat Engineering College, Jorhat. This trip was highly useful for the students in terms of practical knowledge about the industrial process control and safety. This trip will also be helpful for them to find placement opportunities in such industries. All the students expressed their thanks to the officials for the opportunity given.





Coordinators: 1. Mr Arobindra Saikia

2. Mrs. Monisha Pathak