

**A  
REPORT ON  
INDUSTRIAL VISIT  
TO**



**CHEEMA BOILERS LIMITED, ROPAR**

**ORGANIZED BY**



**CHANDIGARH STUDENT CHAPTER *of*  
Indian Institute of Chemical Engineers**

Dr. SS Bhatnagar University Institute of Chemical Engineering & Technology  
Panjab University Chandigarh

**Saturday, November 12, 2016**

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# *CSC Team*

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**Company Profile**

Cheema Boilers Limited is one of India's premier engineering solutions company serving industry's energy requirements. CBL has been manufacturing boilers and allied products for the last two decades and has earned recognition as a research driven organization that sets benchmarks for innovative technologies. CBL's customer centric business practices uncompromising quality approach and continuous thrust on technological up-gradations are the key factors contributing to its multi-fold growth.

**Business Overview**

Cheema Boilers Limited builds high capacity boilers for steam-generation power generation & process heating and provides turnkey integrated power plant solutions. Besides there are packaged boilers designed, manufactured and tested at CBL's facilities located near Chandigarh in the northern part of India. In addition CBL also offers support services for existing boilers and process furnaces.

Cheema Boilers Limited operates with a large sales and service network covering entire India & many other global locations. CBL's successful track-record of path-breaking engineering efficient project management in-house construction and commissioning expertise and its state-of-the-art manufacturing facilities enable the company to provide products that reflect its many years of quality craftsmanship and innovation.

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Image and text source: [www.cheemaboilers.com](http://www.cheemaboilers.com)



## **Objective**

In the highly complex and technical field of chemical engineering where technology is evolving with lightning speed, it is very necessary to remain updated with the latest advancements. Hence, interaction of the students of the technical

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institutions with the plants and industry is of prime importance. With this objective an industrial trip was organized by the student chapter members of IICChE of Dr. SSB UICET, Panjab University on 12<sup>th</sup> November, 2016 to **CHEEMA BOILERS LIMITED** located at the outskirts of Ropar, Punjab.

The industrial trip was coordinated by a team of second and third year students of this chapter and was guided by Dr. Gaurav Rattan.

### **Details of the journey**

The journey started from the department around 9:00 am with 44 students who were selected for the industrial trip after a comprehensive screening process. The students reached the industrial premises in an hour where they were greeted warmly by the officials.

### **Details of the plant**

Firstly, the students were given an insight of the history and the projects undertaken by the plant. It was great to know how the company had evolved greatly over the years and has set a benchmark in the manufacturing of boilers and energy related solutions.

After the insight about the organization, the students were divided in groups of two for better management and each group was assisted by an assistant engineer to help understand and grasp the knowledge about the functioning and processing of various boilers.

The students were taken through the industrial premises and shown various types of machines involved in the production of boilers along with the equipment involved in welding. The students saw the DT and NDT labs where the material testing for boiler production takes place with parameters such as tensile strength and impact parameter and were also introduced to the Instrumentation and Control area which has its own unique importance in production plants. The students interacted with the plant workers too who shared their practical experience and knowledge with the students. They were also made aware of the safety measures taken into account by the company while operating a boiler or a machine. It took us more than an hour to see how the boilers and other machinery worked. After the highly informative tour, the students were taken to the theory room where

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the doubts and queries of the students were addressed. Each query was answered by an expert. The students were offered a cup of tea in the end. They returned that very afternoon.

### **Feedback**

Each student encountered the existence of real learning beyond the four walls of the classroom. The pictures in the textbooks became a reality just because of this trip. Surely, this visit will help students in future and bring a positive change in their thinking and practical knowledge regarding Chemical Engineering. It motivated the students to stay abreast with the developments taking place in the industry.

All in all the trip was well organized and the plant was found to be ideal in term of its production, administration and management aspects.

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