


INDUSTRIAL VISIT REPORT

Batch: 2020-2024

Department of Civil Engineering

Date: 04-06-2023


F. 6/1/23
Head of the Department
Department of Civil Engineering
M. S. University of Technology
Baghdad



BHARAT CONSTRUCTION PRIVATE LTD.

Dear Sir/Madam, Greetings of the day! In response to your email 1.03.2023, this is to inform you that your request for visiting the BC IPL is confirmed. We have arranged a detailed tour of our facilities that will provide a comprehensive overview of our manufacturing process and technology. Additionally, we have allocated time for a Q&A session to address any question or concern that you may have. You may visit with students on May 2023, between May 10 to May 15 in working hours. Further, you are requested to follow the COVID-appropriate behavior during visit. We are looking forward to hosting you and your team and providing you with an insightful experience at BC IPL. If you have any questions or concerns, please feel free to contact us. Thank you for choosing BC IPL.

With Regards,

BHARAT CONSTRUCTION PRIVATE LTD.

a successful professional career. It is here that by going beyond academics, industrial visit provides students a much relevant practical perspective of the actual work place and the larger world of business.

Place of visit: Construction site of Bharat Construction Private LTD.,
Mandi, Manali, Himachal Pradesh, India

Date of visit: 13-05-2023

Department/Class: 20CE2

Name of the faculty accompanied: Mr. Nikhil and Mrs. Sudhanya

Aim of Industrial Visit:

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this- it lets students know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from an academic point of view. Main aim of industrial visits is to provide an exposure to students about the practical working environment .They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visits students get awareness about new technologies. Technology development is a main factor, about which a student should have a good knowledge. Visiting different companies actually helps students to build a good relationship with those companies. We know building relationships with companies always will always help to gain a good job in future. After visiting an industry students can gain a combined knowledge about both theory and practical. Students will be more concerned about earning a job after having an industrial visit.

The primary objectives of the industrial visit to BC IPL were as follows:

- It helps students gain first-hand information regarding the functioning of the Industry.

- Industry visits bridge the gap between theoretical training and practical learning in a real-life environment
- With industry visits, students are able to better identify their prospective areas of work in the overall organisational function.
- Witness the advanced machinery and technology employed in the production process.
- Experience and study the role BC IPL played in constructing tunnels in manali

Subjects covered under this industrial visit

- Border roads highway constructions
- Bridge and tunnel construction
- Safety measures in construction
- Safety Protocols.
- Technology used for tunnel construction

Programme Outcome mapped with this industrial visit

- Engineering knowledge
- Modern tool usage
- Environment and sustainability
- Ethics
- Individual and team work
- Communication
- Life- long learning

Profile of the industry:

BHARAT CONSTRUCTION PRIVATE LTD. :

Founded in the year 1999, they have delivered various successful projects. Bharat Constructions started to participate in the tendering process of roads and tunnels since then and has grown immensely in delivering various assignments to construct major roads and tunnels including slope & road protection, open and underground excavation. They have provided a comprehensive range of professional construction

services in the state of Uttarakhand, Himachal, Nagaland & Jammu Kashmir.

Over the years, the Company has bagged many prestigious construction projects and has received a remarkable reputation through its performance. In the year 2020, they converted into a Private Limited Company and was named as M/s. Bharat Construction (India) Private Limited, with a strength of more than 5000 employees working in different regions of India. With a reputation of being a Company that has an unmatched record of execution of projects ahead of time and a proclivity of discovering possibility in the impossible, today Bharat is one of the most renowned Construction Company in Himachal.

Summary of the industrial visit

The purpose of this report is to provide a comprehensive overview of an industrial visit to BHARAT CONSTRUCTION PRIVATE LTD., MANALI, HIMACHAL, INDIA with a focus on tunnel manufacturing in snowy and hilly areas. BCIPL is a renowned construction company that has played a crucial role in the development of the Tunneling network in manali.

The visit began with an overview of construction of Kiratpur-Manali NH Tunnel Project. The guide, Javedhkar Yadav(Construction site manager) explained the purpose, methods of construction of tunnels.

The visit included a detailed walkthrough of the manufacturing process. The site was equipped with high end construction equipment. The guide explained each step of the process, showed us how the construction of tunnels in hilly areas is carried out. BCIPL emphasised the importance of quality control in the manufacturing process. The visit included a demonstration of various quality checks conducted during and after production.

The company's commitment to safety was evident throughout the visit. Visitors were provided with safety gear and given a safety briefing before entering the production area. The guide explained the safety protocols followed to minimise the risk of accidents and ensure a safe working environment. The industrial visit provided an opportunity to

witness the advanced machinery and technology employed by BCIPL. The guide explained the benefits of these technologies in terms of efficiency, accuracy, and consistency in production.

Geo-tagged photos of IV





Scanned with CamScanner



Scanned with CamScanner



Outcome of the industrial visit:

- Understanding the significance of tunnelled roads in hilly areas.
- Gain knowledge of the process of manufacturing and construction of tunnels.
- Learn about different machineries used in tunnelling
- Gain knowledge of safety protocols to be used in tunnel construction.

Feedback & Impact Analysis

The industrial visit to BCIPL, Manali, provided a valuable learning experience regarding the manufacturing of and construction of tunnels in hilly and snowy areas like manali. The visit enhanced understanding of the process, quality control measures, and safety protocols involved in producing these critical components. BCIPL's advanced machinery and technology showcased the company's commitment to innovation and efficiency. This industrial visit helped us to understand the importance of

practical sessions as well as helped to find the applications of our lab experiments in the real world.

Prepared By
20CE2

MOHAMMED SAJITH

HEARDICAT



MUHAMMED RAHIL

HEARDICAT



Staff: Accompanied

Pulhanya K-S



Nikhil-B.