



CHEMICAL ENGINEERING DEPARTMENT

A Report on Industrial Visit at

Gujarat Narmada Valley Fertilizers & Chemicals Ltd., Bharuch

Objective of Industrial Visit:

The main objective of the organized industrial visit is to let students understand various significant concepts practically through interaction and analyzing the actual working methods. Moreover, it gives exposure from academic point of view. Major aim of the industrial visit is to provide an exposure to students about theory and practical work interaction as well as actual difference between theoretical diagram of object and actual working model process rather than ideal one.

Details of Industry:

1. Name of Industry: - Gujarat Narmada Valley Fertilizers & Chemicals Ltd.
2. Address: - Plot No:- P.O.: Narmadanagar – 392 015. District: Bharuch, Gujarat, India
3. Date of Visit: - 02/03/2023
4. Year / Semester: - 3rd Year/6th Sem
5. No. of Students: - 38
6. No. of Faculties: - 3

Class Coordinator: - Prof. Nisha S. Ojha & Prof. Prince J. Patel

Descriptions:-

On 2nd march 2023, we had an Industrial Visit at GNFC, Bharuch. It was an excellent opportunity to get industrial exposure in such a huge company.

The scheduled time for the assembly at GNFC training center was 10:30 AM. All students and faculty members came on time.

At 10:00 AM we reached at GNFC Bharuch, first we went to the auditorium where one of the GNFC member give us to the basic information about the plant and glory of GNFC companies across the INDIA, after this we went to the Urea plant.

We separate by the group of 19 students. First group visited the DCS panel room and second group visited the plant. In the Urea plant the main product Urea formed by the reaction between the carbon dioxide and ammonia. This process has three sections namely; HP, MP and LP. At HP section the



CHEMICAL ENGINEERING DEPARTMENT

pressure of the CO₂ is very high. One prilling tower is arranged of the crystallization of the Urea formed. With the help of conveyor belt system, the formed Urea particles goes for the packaging.

At DCS section we show the fully automatic system which control the whole plant.

After the delicious lunch, we went for the Methanol plant. Here, they showed us the Distillation Unit, Reformer unit, Heat Exchangers, Valves, Pumps, etc. The Methanol plant have manly three sections. The first section extract methane gas from the crude and then it is reacted with water in different stages. After that, they told all of us to ask questions related to the unit. Some of us asked our doubts and get answered well by experts. It gets 3:30 PM and we lead towards the conference hall for the concluding session. There all shared their views on Industrial Visit. We thanked the expert for guiding us and solving our doubts. We thanked the GNFC Bharuch and IChE Ankleshwar for allowing us for Industrial Visit.

At 4:00 PM, GNFC again arranged Tea & Snacks for all of the students and after that, we had a memorable photo at GNFC Bharuch and leads towards the exit gate and left the GNFC campus. Every student now has a different view of Industry. The importance of Practical knowledge with Theoretical knowledge increased. Everyone is now focused towards their career. Industrial Visit is very important for every Engineering Student, especially for Chemical Engineering Students. We personally think that in Every Semester there should be at least 2 Industrial visits according to the studies they are studying.

College Faculties & Staff Presence in the Visit:-

1. Prof. Nisha S. Ojha
2. Prof. Prince J. Patel
3. Mr. Bhavin P. Desai

Students Presence in the Visit: - Annexure-I

Photographs: - Annexure-II

Annexure-I



CHEMICAL ENGINEERING DEPARTMENT

S. N. Patel Institute of Technology & Research Centre, Bardoli
Chemical Engineering Department (Sem: 6)
Industrial Visit at GNFC (Bharuch)
Attendance Sheet (Date: 02/03/2023)

Sr. NO.	PEN	Name	Signature
1	200490105002	INTWALA UTSAV SAJAYBHAI	[Signature]
2	200490105003	VASAVA SUMITKUMAR MANUBHAI	[Signature]
3	200490105005	PATIL JAYESH GULAB	[Signature]
4	200490105006	RANA VINAYKUMAR DHARMESHKUMAR	[Signature]
5	200490105008	BHOJ SHIVPOOJAN MEWALAL	[Signature]
6	200490105009	PRASAD DIPANSHU SHRI DHARICHHAN	[Signature]
7	200490105010	GOHIL JAY HARSHADBHAI	[Signature]
8	200490105011	RANA TEJAS KAMLESHKUMAR	[Signature]
9	200490105012	KAYASTH MANTHAN PARIXIT	[Signature]
10	200490105014	SANKDASARIYA SARTHAK BHANUBHAI	[Signature]
11	200490105016	CHAUDHARI ROHIT BHARAT	[Signature]
12	200490105017	PATEL MILANKUMAR MUKESHBHAI	[Signature]
13	200490105018	GHINAIYA RONAK	[Signature]
14	200490105019	BADGUJAR NEHA VINAYAK	[Signature]
15	200490105021	PAL ABHISHEK BAIJNATH	[Signature]
16	200490105022	THAKOR ADITYASINH ALPESHKUMAR	[Signature]
17	200490105023	MORE GAUTAMBHAI VIJAYBHAI	[Signature]
18	200490105024	PATEL CHIRAG JAYANTIBHAI	[Signature]
19	200490105026	GIRASE HIRALKUMARI RANJITBHAI	[Signature]
20	200490105030	MORE YASHKUMAR HARISHBHAI	[Signature]
21	200490105031	PATEL YASH MAHESHBHAI	[Signature]
22	200490105033	PRIYARAJASINH RAVINDRASINH CHUDASAMA	[Signature]
23	200490105035	PATEL JEELKUMAR MUKESHBHAI	[Signature]
24	200490105036	PATIL ABHAY PRAKASHBHAI	[Signature]
25	200490105037	CHAUDHARI BHAVIN MOTIRAM	[Signature]
26	200490105038	PARMAR TEJASKUMAR HARESHBHAI	[Signature]
27	200490105040	MISTRY MEETKUMAR KISHORBHAI	[Signature]
28	200490105041	PATIL ADITYA BHAGAWAN	[Signature]
29	200490105042	PARMAR ANURAJASINH RAJESHBHAI	[Signature]
30	200490105043	BHARDWAJ PARTH RAMKUMAR	[Signature]
31	200490105046	PARMAR TIKVEENSINH PRAVINBHAI	[Signature]
32	200490105047	PRAJAPATI MITESHKUMAR RAKESHBHAI	[Signature]
33	200490105051	DODIYA SIDDHRAJSINH HARENDRASINH	[Signature]
34	210490105501	PANDIT HARIOM ABDHESHKUMAR	[Signature]
35	210490105504	BHATT JAY VIJAYKUMAR	[Signature]
36	210490105505	BHATT RAGHAVKUMAR DHARMENDRAKUMAR	[Signature]
37	210490105506	CHAUDHARI ANKITKUMAR JAYESHBHAI	[Signature]
38	210490105507	DAYMA HEMDIPSINH NARENDRASINH	[Signature]
39	210490105509	MISTRY PARTH HASMUKHBHAI	[Signature]



CHEMICAL ENGINEERING DEPARTMENT

Annexure-II





CHEMICAL ENGINEERING DEPARTMENT

Student's feedback session:

