Report - 1

A REPORT ON
THE FIRE ACCIDENT IN THE GAS FILLING SECTION OF THE FACTORY

SUBMITTED TO
Mr. R. Ravichandran
Chairman
Cether Vessels Limited, Tiruchirappalli.

SUBMITTED BY
Mr. S. Ramachandran
Chief Engineer
Cether Vessels Limited, Tiruchirappalli.

DATE
October 25, 2023

To
The Chairman,

Sir,

Sub : Report on the fire accident
Ref : Your Memo dt. 20th October 2023

With reference to the accident that took place a couple of days ago in our factory, the following report is submitted after a thorough analysis of the facts.

On the 18th October 2023, a fire broke out around 1.30 p.m in the electrical workshop. It spread so quickly that it engulfed a vast area consuming a large number of tools and spare parts in the process. Moreover, the electrical foreman, Mr.Y, sustained burn injuries. Fortunately, he was the only person who was working at that time, as the other workers had gone for lunch.

The fireman were summoned immediately and the fire extinguished after half an hour. Mr.Y was hospitalized with two percent burn injuries and is now recovering fast.

Under investigation, it is found that the fire broke out because of a short circuit in the switch box. As the machines were in operation and chlorine gas was being filled in the cylinders, the fire spread quickly. This devastating fire accident has resulted in a loss of about a lakh of ropees.

In order to avert such mishaps in future, the following are recommended :

1. The worn out wiring should be immediately replaced and checked at regular intervals for leakages.
2. It is necessary to install more fire extinguishers at vantage points.

3. Proper fuses must be installed to avoid excess flow of current.
4. Employees should be trained to handle the electric components safely along with fire extinguishers.
5. Fire alarms should be installed in the electrical workshop, since lot of welding work is in progress.

If the above measures are implemented forth with, such accidents can be prevented in future and thereby great loss to property and human resources can be averted.

Yours faithfully
(Sd) .....
Chief Engineer

Report - 2

A REPORT ON AUTOMOTIVE INDUSTRIAL VISIT

SUBMITTED TO

Dr. M. Sarathamani
Academic Chair Person
SSMCE, Namakkal

SUBMITTED BY

Stdt. S. Immanuel
SSMCE, Namakkal

DATE

October 30, 2023

To

The Academic Chair Person

Mam,

Sub: Report on industrial visit

Industrial visits offer students a one-of-a kind chance to acquire practical insights and hands-on experience in their chosen field. I recently had the opportunity to visit a manufacturing facility in the automotive industry, which was a great privilege. I visited with the intention of observing the production process and enhancing my comprehension of the industry's functioning. The purpose of this report is to offer a comprehensive outline of the facility, the production process, and any distinctive features or innovations I witnessed during my visit. In conclusion, I plan to contemplate the valuable knowledge I gained from this visit and its potential relevance to my future professional endeavours or academic aspirations.

I had the opportunity to visit a sprawling manufacturing plant situated on the outskirts of the city. The production of automotive components, including engine parts, suspension systems, and transmission components, was carried out by the plant. The visit was intended for observing the manufacturing process

and gaining a comprehension of the various stages involved in producing these components. Impressive was the physical layout of the facility. The production floor was segmented into distinct sections, with each section exclusively allocated to a specific production process. The inclusion of robotics, conveyor systems and computer-controlled machinery has facilitated the automation processes. This also included manual processes encompassed assembly, inspection, and packaging. While on our visit, we were able to witness numerous distinctive feature and groundbreaking innovations in the production process. One aspect that was particularly noteworthy involved the utilization of robotics within the manufacturing process. Tasks such as welding, painting, and assembly were performed by the robots. To sum up, the industrial visit proved to be an invaluable opportunity for learning. During the visit, I had the chance to witness numerous distinctive aspects and advancements incorporated in the manufacturing process. In summary, the visit proved to be an enlightening encounter that I expect will have practical relevance to my forthcoming professional or scholarly endeavours.

Yours faithfully

S. Immanuel