A Summer Internship TrainingOn

Manufacturing Process of Polyester PSF Business

Comple tedat

Reliance Industries Limited



Tenure of Internship – 30th May 2024 to 30th June 2024

Submitted by -

Priya Roll No. - 21021139 Btech 4th year



Department of Chemical Engineering Institute of Technology Guru Ghasidas Vishwavidyalaya Bilaspur, CG - 495009

Table of Content

vledger	η
viedg	ξei

entAbstract

Introduction

General study about Polyester

Synthesisation of Polyester Polymer

Manufacturing Process / Steps of

Polyester

Chemical Process flow diagrams of Polyester manufacturing

Spinning and Drawing process in detail of Polyester

manufacturing Major applications of Polyester in Industries

About Polyester Tow and PSF Applications

About used catalysts in the manufacturing Process

Deaerators

- 1) Working Principle
- 2) Deaeration Process
- 3) About Diagram and various parameters
- 4) Why the deaeration process exist
- 5) What are the uses or applications

About Boilers and types of Boilers

Fire Tube Boiler

- 1) Components of Fire Tube Boiler
- 2) Working Principle
- 3) Diagram and Parameters
- 4) Advantages and Disadvantages of Boiler
- 5) Use of Fire Tube Boilers

About

compressors

Conclusion

Certificate



Date: 10-07-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Priya Pursuing Bachelor of Technology in Chemical from Guru Ghasidas Vishwavidyalaya, Bilaspur has undergone Industrial Training for 30 days from 30th May 2024 to 30th June 2024 in our organization. While undergoing Industrial Training she studied and successfully completed project on the following topic:

"Manufacturing Process of Polyester PSF Business"

During the training period we found her sincere and hardworking and we wish her success in his future endeavours.

For Reliance Industries Limited Barabanki Manufacturing Division

(AUTHORISED SIGNATORY)