



PROJECT REPORT

AS PART OF THE VOCATIONAL TRAINING

NTPC SIPAT JUNE 2024

WATER CHEMISTRY FOR

POWER PLANT

Submitted by – Abhishek Patel

Roll number: 21021104

Index

CONTENTS

1. CHAPTER 1

- About Indian power sector
- Mode of generation
- Thermal power station
- NTPC [**National Thermal Power Corporation**]

2. CHAPTER 2

- Purpose of water chemistry in power plant
- Importance of water chemistry in power generation

3. CHAPTER 3

- An Overview of Water and Water Management Practices in Thermal Power Plants
- Requirement of water for each application
- Contaminants present in water
- Water treatment plant

4. CHAPTER 4

- Physical-Chemical parameters for testing of water

5. CHAPTER 5

- Corrosion and microbiological control

6. CHAPTER 6

- Environmental considerations

7. CHAPTER 7

- Conclusion



REGIONAL LEARNING INSTITUTE, NTPC, SIPAT
क्षेत्रीय ज्ञानार्जन संस्थान, एनटीपीसी, सीपत
CERTIFICATE OF VOCATIONAL TRAINING - 2024
व्यावसायिक प्रशिक्षण प्रमाण पत्र - 2024

Ref No. RLI/SIPAT/VT/CERT/2024/VT-CHEM-005

THE CERTIFICATE IS AWARDED TO

Abhishek Patel

Roll No - VT-CHEM-005

CHEM



Guru Ghasidas Vishwavidyalaya KONI BILASPUR

For satisfactorily completing **Vocational Training at NTPC, Sipat, Bilaspur** for a period of four weeks from 10/06/2024 to 13/07/2024. The participant has successfully completed the course and has also completed the project assigned to him/her as part of this course. We wish him/her a bright and successful future. This Certificate is digitally signed.

Date: 18/07/2024

Ramesh

Nakka Ramesh
Sr. Manager (RLI)

Anshul

Anshul Rajan Singh
Sr. Manager (RLI)

AK

AK Tripathi
GM & Head (RLI-Simulator)