



SIPAT SUPER THERMAL POWER PLANT



PROJECT REPORT

as a part of

VOCATIONAL TRAINING, NTPC SIPAT 2024

So_x Control System in Power Plants

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4.	Introduction	→ 16-17
	<ul style="list-style-type: none"> • Background of SO_x emissions and their environmental impact. • Importance of SO_x control in power plants. • Objectives of the report. 	
5.	Methodology	→ 18-20
	<ul style="list-style-type: none"> • Description of the methods and approaches used to analyze and control SO_x emissions. • Tools and technologies used (e.g., flue gas desulfurization, dry sorbent injection). • Data collection and analysis techniques. 	
6.	Power Plant Description.	→ 21-24
7.	SO _x Control Technologies	→ 25-30
	<ul style="list-style-type: none"> • Detailed description of SO_x control technologies. • Flue Gas Desulfurization (FGD) • Dry Sorbent Injection (DSI) • Wet Scrubbing • Use of low-sulfur coal • Alternative fuels and technologies • Working principles of each technology. • Advantages and disadvantages of each technology. 	
8.	Implementation & Innovations	→ 31-33
	<ul style="list-style-type: none"> • Steps for implementing SO_x control systems in power plants. • Operational procedures and maintenance requirements. 	



REGIONAL LEARNING INSTITUTE, NTPC, SIPAT
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CERTIFICATE OF VOCATIONAL TRAINING - 2024
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Ref No. RLI/SIPAT/VT/CERT/2024/VT-MECH-165

THE CERTIFICATE IS AWARDED TO

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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.

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