



SAKSHAM SINGH

Production Engineer

+91-7489000277

sakshamsinghdhakar@gmail.com

sakshamsingh21

EDUCATION

- Madhav Institute of Technology and Science** 2020-24
Bachelor of Technology in Electrical Engineering Percentage: 86.5
- Kendriya Vidyalaya No.5 Gwalior (M.P) - Senior Secondary** 2020
Central Board of Secondary Education Percentage: 76.6
- Kendriya Vidyalaya No.5 Gwalior (M.P) - Secondary** 2018
Central Board of Secondary Education Percentage: 69.2

EXPERIENCE

- CG Power and Industrial Solutions Limited.** 15 July 2024 - Present
Production Engineer Bhopal
 - Detailed experience of manufacturing and processing of 16.5 to 500 MVA Transformer and upto 125 MVAR Reactors.
 - Insures the good quality of insulation of winding during manufacturing .
 - Deals and routine quality check up (ID-OD, Dia and Continuity test) of winding .
 - Provide important instructions for next shift to upcoming shift incharge.
 - Responsible for pre autoclave and post autoclave operation of coil.
 - Have grabed the knowledge of SER Manufacturing.
 - Keep a view on upcoming Winding manufacturing plan provides input to optimise as per schedule.

INTERNSHIP

- Traction Department (OHE, PSI and SCADA)** 02 June - 03 July 2023
Delhi Metro Rail Corporation Ltd. New Delhi
 - * To study Depot Layout and various other systems and subsystems used in Delhi Metro.
 - * Gain Knowledge about OHE system like catenary wire , insulator, Pantograph etc. PSI system High Voltage Equipments for distribution of energy such that Auxiliary (33KV) and Traction (25KV) and SCADA system .
 - * Reciving Sub station Visit in Mukandpur Depot and Sarojni Nagar.

PROJECTS

- Password Based Circuit Breaker For Lineman Safety and Maintenance** [Project Details](#)
 - A Circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overload or short circuit.
 - When operated manually we see fatal electrical accidents otheline manure increasing during the electric line repair due to the lack of communication and coordination between the maintenance staff and the electric substation staff.
 - In order to avoid such accidents , the breaker can be so designed such that only authorized person can operate it with a password . Here , there is also a provision of changing the password.
- Transmission Line Fault Safety Devices** [Project Details](#)
 - A Transmission Line Fault Detection including line-to-line faults, line-to-ground faults, and temperature faults is an important fault in the field of power systems. Line-to-line, line-to- ground, and temperature defects in transmission lines can all be found using a fault detection system.
 - This System Safe our Transmission line by automatic Off when Fault occurs in Transmission Line.

SKILLS

- Basic Understanding of Manufacturing and Working of Transformer and Reactors.
- Detailed knowledge of Winding Manufacturing Processing.
- Ensures the ability of quality checklists for all stages during manufacturing process.
- Ensure that all quality point given during manufacturing are being implemented before the Core Coil Assembly.
- Prepare plans to optimum of manpower during shift schedules.
- Knowledge of Pre operation and Post operation like cylinder pasting , Bay marking etc.
- Ensure the availability of insulation and other helping material during winding manufacturing.
- Basic knowledge of winding ovening, height adjustment and Active Part Processing.
- Understanding of Coil Assembly and Core Coil Assembly.

ACHIEVEMENTS

- Introduction to Internet of Things || NPTEL *April 2024*
- Smart Grid: Basics and Advanced Technologies || NPTEL *April 2024*
- Sensors Technologies: Physics, Fabrication and Circuits || NPTEL *Sept 2023*
- Introduction to Operating System || NPTEL *Sept 2022*
- Won 3rd prize in Regional Level Competition || Volley Ball *Nov 2019*
- RAJYAPURASKAR || The Bharat Scouts and Guides

POSITIONS OF RESPONSIBILITY

- Worked as a Volunteer of College Training and Placement Cell.
- Worked as a Student Coordinator of SWAYAM/NPTEL.
- Worked as a Member of BOS Department of Electrical Engineering, MITS Gwalior.
- Worked as a E-Content Cell of Institute New Website, MITS Gwalior.
- Worked as a Member of Alumni Cell Department of Electrical Engineering, MITS Gwalior.