

CURRICULUM VITAE

Name : TRIDIP PATRA

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CAREER OBJECTIVE

Seeking assignments in Maintenance Domain with a growth Oriented organization to obtain a creative and challenging position that would enable me to enhance the reputation of the Organization and simultaneously allow myself to grow into a complete professional.

AREA OF TECHNICAL EXPERIENCE

A dynamic professional of extensive experience in Commissioning, Operation & Maintenance of Electrical Automation in Steel Industry, Automobile Industry, Energy Storage & Solar Cell Manufacturing Industry.

PRESENT EXPERIENCE

1. Working as a **Senior Officer (Electrical & Instrumentation Maintenance)** in **EXIDE Industries Ltd(India's No – 1 Storage Battery Manufacturer with latest Punch Grid Technology from East Penn, USA)** Haldia, West Bengal. Fully Automated Battery Manufacturer. From November 2018 - Till date.

Experience in Battery Manufacturing Machines

Operation and Maintenance of fully Automation German & Italy based Battery manufacturing machine such as SOVEMA Strip Caster, OAK Punching, WIRTZ Pasting & Casting, ITS & HYGRO Curing Ovens, Assembly Lines of TBS

Experience in Solar Cell Manufacturing Machines

Operation and Maintenance of fully Automation German based Solar cell manufacturing machine such as **CentroTherm & SC China Diffusion, PECVD, Fast Firing, MANZ, Maxwell, Applied Material, ASYS Cell Printer and Sorter and Tester and J&R Auto Loading Unloading unit, Also Texturing machine and PSG machines.**

Experience in Automation Domain

- Troubleshooting, Logic Modification, O&M of Different PLC, such as –**SIEMENS (S7-200, S7-300, S7-1200/1500), Keyence (KV 5000/3000 Series), BECKHOFF, Allen Bradley**
- Commissioning & Troubleshooting of Different VFD, such as – **ABB (ACS 580/880), SIEMENS Micro master 420/430/440, Sinamics G/S Series, 6RA70/6RA80, using its dedicated Software, Allen Bradley (Power Flex Series), Mitsubishi (FR-D700 Series), Omron& Delta.**
- Maintenance& troubleshooting of different Stepper & Servo Controller Drives, such as –**Allen Bradley, Siemens, OMRON, YASKAWA, KOLLMORGEN, ELMO, DELTA, BECKHOFF (AX-2003-AS), LENZ, SEW.**
- Troubleshooting of **SCADA (SIEMENS) & HMI (Allen Bradley)** Related application, also PID logic modification.
- Knowledge of Communication Protocol such as **SERCOS, Profibus, Profinet, Ethernet, Can Bus, EtherCat**
- Knowledge of **Industrial Inspection Camera (AOI), Pneumatics i.e. solenoid valves & cylinders, Vacuum Switch, Manifold Valve & Instruments like Pressure Transmitter, Flow Meter, Proximity & Photoelectric sensor, Flow sensors, Encoder, Resolver, Different Types of LVDT, Level Switches, RTD, Thermocouple, Temperature Controller devices and Proportional & Servo Control valve, Load Cells for weighing systems.**
- Troubleshooting Knowledge of **Different Hydraulic Proportional Valve, Direct operated valve, Servo Control valve& Hydraulic Circuit** of Controlling through PLC.
- Troubleshooting & Operating the Automated machines like **6 axis Industrial Robot of Staubli (TX-90), KAWASAKI& Fanuc, high speed pick & place units, Auto loading & unloading.**

Experience in Electrical Domain

- Knowledge of Testing, Commissioning & Maintenance of **33 KV H.T Panel & MCC,PCC,PDB,LDB**
- Testing, Commissioning & Maintenance of up to **31.5 MVA (33/11, 6.6) KV Transformer with NGR System.**
- Testing, Commissioning, Maintenance & Protection of **ACB (Siemens, ABB, L&T Make) & VCB (Siemens, CGL make).**
- Experience in **Synchronization** of HT Incomer feeder with **Bus Coupler & DG Incomer** through **AMF panel of 1500KVA DG Set.**
- Troubleshooting & Operation of **Schneider EMS (Energy Management System)** System for Continuous Energy Consumption Monitoring through its different Parameters.
- O&M of HT Induction Motor up to **900KW** & LT Motor Up to **250 KW**, DC Motor, **Servo Motor & Stepper Motor.**
- Maintenance & Troubleshooting of **Induction Furnace, High Pressure Moulding Line, Crane & Hoist up to 10Ton.**
- O&M of **SIEMENS (3RW series)** & **ABB (PSTX, PSE series)** make **Soft Starter** Panel up to **160 KW.**
- Knowledge of different Types of Microprocessor based HT Feeder (Motor, Transformer) Protection Relay, Earth Fault, and Master Trip & differential relay of Protection Circuit, Such as - **Siemens SIMROTEC Series (7SJ80, 7SJ62, 7SS60, 7SR224, 7SR191, 7SR12)**, Also Parameterization using its dedicated software **DIGSI 4 & DIGSI 5.** & **ABB Make REB 611, REV 615, SPAJ 160C, REM/RET/REU Series**
- Knowledge of **DOL & Star Delta Starter**, Capacitor Bank Panel (**APFC**), **Compressor & VAM Chillier** unit

Area of Experience in Documentation

- **Executing cost saving Techniques and modifications to achieve substantial reduction in O&M expenditures.**
- Responsible for **Energy Consumption Analysis, ISO standard SOP preparation, Preventive maintenance schedule, Maintain Critical Spare parts records, Breakdown Analysis, Preparation of Department's Operating Procedure according to QMS, Preparation of Shut Down job List.**
- Preparation of Electrical safety management system such as, **LOTO** for Every Machine.
- Knowledge of **SAP – PM Module** for Spare Management System.
- Responsible for **MTTR, MTBF & OEE** Calculation for Plant Availability.
- Implementation of **TPM (5S, Kaizen, RCA, Why-Why Analysis reports Preventive Maintenance).**
- Knowledge of **HIRA. Preparing & implementing the same & filing documents related to CAPA / incidents.**

PAST EXPERIENCE

2. Worked As a **Sr. Engineer (Electrical Automation Maintenance)** in **KISWOK Industries Pvt Ltd**, Fully Automated largest Foundry in Eastern India, Kolkata. From February 2018 – October 2018
3. Worked As a **Sr. Engineer (Cell Maintenance)** in **Adani Group (Mundra Solar PV Limited)**, Fully Automated **1200 MW** German & China Technology Plant, Mundra, Gujarat. From March 2017 – August 2017
4. Worked As an **Engineer (Maintenance)** in **Jupiter Solar Power Limited**, Fully Automation based **430 MW Solar Cell Manufacturing Plant**, Baddi, Himachal Pradesh. From April 2016 – January 2017
5. Worked as a Maintenance Engineer in **SRG Earth Resources Pvt. Ltd, Bhushan Steel Limited Site**, Angul (Orissa) of **2.6MTPA Recovery type Coke Oven Plant**, designed with latest **German Technology by PAUL WURTH.** From June 2013 – June 2015

PROFESSIONAL STRENGTH

- Observing all Site activities including Providing Technical inputs for Methodologies of Equipment and Manpower Handling.
- Improving Productivity, Quality, Cost reduction through a team Effort Of our CFT Team.
- Responsible for support to Production Reviews & Propose improvement initiative to enhance available time of machine & reduction in tact.
- Managing the functions of troubleshooting and Preventive/ Breakdown/ Shut down Maintenance all equipments in order to insure Compliance to Quality Standards, and Continuous Operations.
- Effectively allocating the Resources Optimizing the available time, Reducing wastes for enhancing Productivity and Profitability.

- Articulate Communicator; skilfully negotiate with Vendors, Suppliers, and Contractors for executing purchase and Maintenance & Operations of various electrical equipments.
- Create a Safety Environment by Taking the Shut down Permit, Tool-Box Talk with the engaged Worker.

EDUCATIONAL QUALIFICATION

- **GRADUATION**- Passed the B. Tech from Camellia Institute of Technology in Electrical and Electronics Engineering under West Bengal University of Technology in **2013** with **69.50%** marks on average.
- **12th GRADE**- Passed the Higher Secondary from Hoomgarh Chandabila High School under **WBCHSE** in **2009** with **74.40%** marks on average.
- **10th GRADE**- Passed the Madhyamik from Hoomgarh Chandabila High School under **WBBSE** in **2007** with **79.80%** marks on average.

TRAINING AND PROJECT

- Completed a Vocational Training On Power System of a Sub Station. Under **West Bengal State Electricity Transmission Company Limited (WBSETCL)**. Sonarpur (**132 KV**)Sub-Station, Kolkata. From 09-01-2012 TO 21-01-2012.
- Completed a Final Year Project on **Present Scenario of Power System of West Bengal**.

COMPUTER PROFICIENCY

- Windows 7 & XP , Vista, MS-DOS, MS Office , MS Excel
- **SIEMENS TIA Portal, SIMATIC MANAGER, WinCC, Twin CAT Application of Beckhoff, KV Studio.**

HOBBIES

- Reading Story Books, Bengali Poems, Playing & Watching Cricket, Listening Music.

PERSONAL DETAILS

Name : Tridip Patra
Father's Name : Bidhan Chandra Patra
Mother's Name : Dipta Patra
Wife's Name : Monalisa Patra
Son's Name :Atrim Patra
D.O.B :14-03-1992
Sex : Male
Nationality : Indian
Cast : General
Address : Chhatapur, Gosai Janara, Indpur, Bankura, West Bengal, 722121
Language Proficiency : Bengali, Hindi, English
Marital Status : Married

DECLARATIONS

I hereby declare that the information furnished above is true to the best of my knowledge.

Date...

(Tridip Patra)

Place:
