

MD. AL-AMIN SHAWON

ELECTRICAL ENGINEER



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📍 I Block, Bisso Colony, Chittagong

SUMMARY

Graduated in Electrical & Electronic Engineering from AIUB in 2015. MBA from Army-IBA, BUP 2018.

8 years working experience on maintenance department on 3 renowned group of companies including Steel industries, PVC plant and Garments industries.

Erection & Commissioning work of PLC Controlled PVC Machineries- Pipe Extruder, Sheet Extruder, Injection Molding, Crusher, Overhead Cranes, DCS Material handling system.

Expert on new project work completing by proper work planning including design, drawing, Load estimation, BOQ, CS preparation and sourcing and team leading as Project Leader.

Associate member of The Institution of Engineers, Bangladesh (IEB-A23506).

EMPLOYMENT HISTORY

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| <p>Electrical Engineer Electrical Maintenance</p> <p>16th Oct 2021 - Continuing</p> | <p>GPH Ispat Limited</p> <p>Working as a shift in-charge at Continuous Casting Machine (CCM) & Water Treatment Plant (WTP) for ensuring smooth operation.</p> <ul style="list-style-type: none">• Handling Preventive, Corrective & Breakdown Maintenance of all CCM & WTP all equipment's & take necessary actions to minimise electrical loss time.• Identifying machine problems using PLC software- Simatic manager step 7, WinCC, IBA PDA analysis. And also troubleshooting SIEMENS S7- 400 PLC based automation system.• Installing different types of electrical machines and equipment such as drives, Soft Starter, brake module, PLC module, HMI, motor, flow meter, level sensor, BLS sensor, pressure transmitter, proportional valve, encoder, different types of sensors etc.• Find out the root cause and prepare alternative suggestions, modifications to solve it & ensure trouble shooting.• Document and prepare daily work report, schedule maintenance report and maintenance logs, breakdown report, power consumption report, work permit, safety talk at the beginning of the shift.• Ensure planned maintenance of MV Panels, Transformers, online UPS, HT & LT Pumps, Level-1 & Level-2 Server etc.• Maintaining proper inventory of spare parts through SAP Software. |
| <p>Assistant Engineer Electrical Maintenance</p> <p>24th Nov 2018 - 14th Oct 2021</p> | <p>Akij Plastics Limited (A unit of Akij Group)</p> <p>Responsible for overall factory electrical in-charge for ensuring smooth operation.</p> <ul style="list-style-type: none">• Handling Preventive, Corrective, Breakdown Maintenance & Troubleshooting of the PVC Extruder, Co-Extruder, Sheet Extruder, Co-Extruder & Injection molding, Pelletizer Machine, DCS systems, Drives, PLC, HMI, SCADA etc.• Execute Preventive, Corrective Maintenance & Troubleshooting Transformer, BBT, LT Switchgear, HT Switchgear, MDB, SDB, PFI Panel etc.• Troubleshooting of PLC controlled machine (SIMATIC ET 200SP, ET200S, B&R), HMI, Schneider Citect SCADA system. |

- SCADA, DCS, CCS, PCS system monitoring, maintenance & also troubleshooting for material handling system (PRASAD & Zeppelin Germany).
- Preparing BOQ, Technical CS for all electrical fabrication works/equipment's and keep up-to-date documentation of all machinery according to SOP.
- Preparing yearly maintenance budget, maintaining spare parts, safety stock and running the whole plant maintenance activities in a cost-effective way.
- Ensuring the whole plant's electrical safety. Conduct safety meeting at the start of the work.

Aamra Resources Limited (A unit of Aamra Companies)

Responsible for all tasks related with service, Troubleshooting & Maintenance & Commissioning work of heavy industrial washing, boiler, dryer, hydro, & Garments finishing & auxiliary machineries.

- Erection & Commissioning work of all types washing machineries- front loading, belly type, hydro extractor, dryer-gas/steam, all type fusing machineries- weave/knit
- Troubleshooting of PLC controlled machine (MITSUBISHI), HMI, drive, motor etc.
- Troubleshooting of all kind of sensors, encoder, flow meter, solenoid valve, heater, Soft starter, star-delta panel etc.
- Prepare a visit report for each factory visit & diagnose and also analyse faulty electronic equipment with proper documents.

Service Engineer
Electrical Maintenance

3rd Apr 2016 - 22th Nov
2018

OTHERS QUALIFICATION

- Superior electrical maintenance, project installation & commission experience.
- Good skills in instrumentation & automation, electrical control system and troubleshooting.
- Working experience on Siemens PLC, Simatic manager STEP 7, WinCC & B&R automation system.
- Working knowledge on ABB ACS 880 series drive, drive composer pro-2.4, uploading, downloading parameters.
- Working knowledge on process and instrumentation diagram (P&ID) & single line diagram (SLD).
- Working knowledge on Lighting Protection System (LPS), Factory lighting system etc.
- Knowledge on ERP & SAP management system.
- Good knowledge on Microsoft office package, AutoCAD, PCM600.

EDUCATION

- **Master of Business Administration (MBA)** 2016-2018
Bangladesh University of Professionals (Army-IBA)
CGPA: 3.42 out of 4
- **Bachelor of Science (B.Sc.)** 2011-2015
EEE
American International University-Bangladesh (AIUB)
CGPA: 3.29 out of 4
- **H.S.C** 2011
Science
B.P.A.T.C school and college (Dhaka-Board)
CGPA: 4.10 out of 5
- **S.S.C** 2009
Science
B.P.A.T.C school and college (Dhaka-Board)
CGPA: 4.88 out of 5

SKILLS

- Communication
- Time management
- Organization
- Technical skills
- Creativity
- Research

REFERENCES

- Md. Shamimuzzaman**
Sr. Manager Of Maintenance (Electrical)
GPH Ispat Limited
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- Md. Shariful Islam**
AGM, Production (Factory Head)
Akij Plastics Ltd. (A unit of Akij Group)
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LANGUAGE

English (Good)

SIGNATURE



MD. AL-AMIN SHAWON