MD. RABIUL HASAN MAZUMDER

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Career Objective:

To build a challenging career in a reputed organization that will able me to utilize my knowledge & expertise in the field of electrical engineering, implement my innovative ideas & creative insight towards the area of specialization, leadership, and communicative skills, where the dignity of work provides job satisfaction and avenues for learning.

Career Summary:

I am an Electrical Design Engineer with 9+ years of working experience, having comprehensive knowledge in Electrical Engineering & Electrical work sequence from grassroots to managerial level. I am energetic in activities like measuring electrical quantity, an expert in electrical design calculation, engineering, drawing, finding out various types of Electrical faults & solving them. I am hardworking & punctual, with the ability to control the complete team with comfort and ease. I can develop managerial qualities for the 21st century in the competitive world.

Skills:

I have the necessary skills in Electrical Design, Planning, Drawing, Load Calculation, Sizing Calculation, Testing & Commissioning job of different Power Plant & Industrial Projects.

Specialization:

Fields of Specialization	Description
• Electrical Engineering • Electrical Design & Calculations • Preparing BOQ & Estimation • Conducting Electrical Safety Audit • Consultancy for Internal & External Electrical System of Building & Industries. • AutoCAD 2D & 3D	Electrical Engineering, Consultation, Power System Analysis & Design (Domestic, Low, Medium and High Voltage), Generator, Transformer (Power & Instrument), Protection System, Grounding System, Emergency & Backup Power System, Sizing Calculation & Estimation according to IEC, NEC, IEEE, BS, NFPA & BDS standards and BPDB, PGCB, DPDC, DESCO, ACCORD & ALLIANCE guidelines.

Academic Qualification:

Exam Title	Concentration/Major	Institute	Result	Pass. Year	Duration
BSEEE	Electrical & Electronic Engineering	International University of Business Agriculture and Technology	CGPA: 3.25 out of 4	2012	4 years
HSC	Science	Comilla Government College	CGPA: 4.60 out of 5	2008	2 years
SSC	Science	Munshirhat High School	CGPA: 4.88 out of 5	2006	2 years

Membership of Professional Association:

Member – Institute of Electrical & Electronics Engineers (IEEE)
Author – Academia.edu
Alumni – Engineering Staff College Bangladesh (ESCB)
– International University of Business Agriculture and Technology (IUBAT)

Training Summary:

Training Title	Topic	Institute	Country	Location	Year	Duration
Electrical Services for Buildings & Industries	Electrical design, load calculation & consultation for Building & Industries electrical system.	Engineering Staff College Bangladesh (ESCB)	Bangladesh	IEB Bhaban, Ramna, Dhaka	2013	18 Hours
AutoCAD 2D & 3D	Any type of 2D & 3D drawing.	Binary Information Technology (BIT)	Bangladesh	Kushal Centre, Uttara, Dhaka-1230	2012	4 Months
Industrial Training	Switchgear components and O&M of 132/33 kV Grid Substation.	Power Grid Company of Bangladesh Ltd. (PGCB)	Bangladesh	Jangalia 132/33 kV Grid Substation, Comilla.	2012	4 Months

Countries of Work Experience: Bangladesh

Language Proficiency:

Language	Reading	Writing	Speaking
Bangali	High	High	High
English	High	High	High
Hindi	Low	Low	Medium
Arabic	Medium	Low	Low

Employment Record:

Total Year of Experience: 9.2 Years

1. **Electrical Design Engineer (February 2, 2020 – Date)**

   Company Name: **SAMSUNG C&T CORPORATION**
   Company Location: CEMSU Area, CAAB, Kurmitola, Dhaka-1229.
   Department: Design Department (M&E - Electrical)

2. **Electrical Design Manager (November 5, 2017 – January 20, 2020)**

   Company Name: **HYOSUNG CORPORATION**
   Company Location: House # 52, Road # 02, Banani DOHS, Dhaka-1206, Bangladesh.
   Department: Power System Performance Unit (Engineering Department)

3. **Electrical Engineer (Project, Design & Drawing) (January 1, 2016 – October 31, 2017)**

   Company Name: **MAAS ERECTORS LTD.**
   Company Location: House # 10, Road # 15, Sector # 01, Uttara, Dhaka-1230.
   Department: Project & Design Department

4. **Assistant Engineer (Project, Design & Drawing) (February 2, 2013 – December 31, 2015)**

   Company Name: **MAAS ERECTORS LTD.**
   Company Location: House # 10, Road # 15, Sector # 01, Uttara, Dhaka-1230.
   Department: Project & Design Department

Detailed Tasks Assigned	Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned
➢ Design & installation of all types of Power Plant & Industrial Projects. ➢ Design & Drawing of Electrical Single Line Diagram (SLD) & Layout Diagram of Power Plant & Industrial Projects. ➢ Electrical Engineering Design, Consulting and Construction Administration: Power Distribution System Analysis & Design (Low, Medium and High Voltage), Generator Power System, Protective Relaying, Over-current Protection, Grounding, Emergency & Backup Power, Instrumentation & Controls. ➢ Working on 3-Phase AC Power System, 3-Phase AC Power Calculations, Rotating Electric Machines (Motors/Generator), and Fault Current Analysis. ➢ Field Surveying, Inspection, and Performing Electrical Construction Work. ➢ Provide Technical Support, Managing and Maintaining High Levels of Project Quality Assurance & Quality Control with Necessary specifications, Technical Documents, Reports & Electrical Standards. ➢ Design & Calculation of Lightning Protection System According to IEC, IEEE, NFPA-780 & BNBC Standard. ➢ Design & Calculation of Switchgear for Low, Medium & High Voltage Components for Substation. ➢ Design & Calculation of earthing system for Power plant, Sub-station, Industrial project according to IEEE 80-2000 Standard, BNBC, IEC Standard. ➢ Short Circuit Current & Short Circuit Force Calculation in Electrical Power System. ➢ Design & drawing of electrical bus & bay extension at grid sub-station associated with PGCB, PDB & REB. ➢ Sizing calculation of 11KV, 132KV, 230KV, 400KV Surge Arrester. ➢ Sizing Calculation of CT & PT for 11 kV, 33 kV, 132 kV, 230 kV & 400 kV System. ➢ Sizing Calculation of DC System of Power Plant. ➢ Sizing Calculation of Aluminium & Copper Main Bus for Both Conductor & Tube.	**Name of Assignment or Project:** Hazrat Shahjalal International Airport Expansion Project. **Year:** February 2020 to date. **Location:** Dhaka. **Clients:** Civil Aviation Authority, Bangladesh (CAAB). **Main Project Features:** Construction of Passenger Terminal Building-3, Multilevel Car Parking, Export Cargo Terminal, Import Cargo Terminal, Fire Fighting Station, New Taxiway, Aeronautical Ground Lighting System, Generator House, Intake Power Plant, Intake Power Plant for Receiving Substation & Fuel Pump Expansion. **Position Held:** Electrical Design Engineer. **Activities Performed:** Responsible for design, calculation, design review, and supervision of at-site erection, installation, testing & commissioning of the overall electrical system, including ELV, special equipment, and temporary facilities for the expansion of the international Airport. Design collaboration with other disciplines in internal and external affairs. Field Surveying, Inspection, Coordination with vendors and superiors. **Name of Assignment or Project:** Augmentation & Rehabilitation of 132/33/11 kV Grid Substation at Uttara & Bashundhara under AIIB loan no: LN0003-BGD: Distribution System Upgradation and Expansion Project. **Year:** November 2017 to January 2020. **Location:** Uttara & Bashundhara. **Clients:** Dhaka Electric Supply Company Ltd. (DESCO). **Main Project Features:** Distribution System Upgradation (AIS to GIS) and Expansion (150 MVA to 360 MVA) Project. **Position Held:** Electrical Design Manager. **Activities Performed:** Responsible for design and drawing of 132/11 kV substation earthing system, lightning protection system design, Cable raceway system, Switchyard layout, Electrical SLD for HV, MV & LV system, Substation equipment's footprint drawing, Transformer Oil Containment Pit Design, Protection system design, Switchgear & control room layout design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TR, and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. Field Surveying, Inspection, Coordination with vendors and superiors. **Name of Assignment or Project:** 200MW Daudkandhi Diesel Power Plant. **Year:** August 2017 to October 2017. **Location:** Comilla. **Clients:** Bangla Trac Power Unit-1 Ltd. **Main Project Features:** Design, Planning & Consultancy of 132/11 kV Substation & 132 kV Transmission Line. **Position Held:** Design Engineer.

➢ Monitoring & Conducting the Tests such as Transformer Oil & Winding test, Insulation Resistance Test of Cables, BBT, Contact Resistance Test of Circuit Breaker, Thermographic Inspection of Distribution Panels & Earth Resistance Test. ➢ Design, Load Calculation, Preparing the Proper BOQ & At Site Installation of Busbar Trunking System (BBT) for Power Plant, Factory & Industry. ➢ Preparing the Design & Calculation of Power Cable, Power Cable Joint Accessories, Termination Kit, Surge Arresters for Power plant, Factory & Industry. ➢ Preparing Proper Plan & Design for Machine Layout, Floor layout, and Evacuation plan. ➢ Preparing Proper Design & Drawing of Automatic Detection System. ➢ Conducting Implementation of Designed Project in Association with Site Engineer & Technician and Providing Regular Update to Higher Management. ➢ Working with Low, Medium & High Voltage Power Systems, Substations, Transmissions Lines, DC Power Plants, Specialized Grounding Systems, Controls & Instrumentation Systems, Low Voltage Communication & Control Systems (Data, Fire Alarm, Security, Access Control System, PABX, PA, SCN, CCTV, CATV, and Building Management). ➢ Total Project Design, Drawing, BOQ & Management, QA, Delivery Presentations, Business Meeting, Co-ordinate with Overseas, etc. ➢ Underfloor Trunking System Sizing Calculation & Design. ➢ Underground Duct Bank Sizing Calculation & Design. ➢ Underground Manhole Sizing Calculation & Design. ➢ Multicable Transit System (MCT) Sizing Calculation & Design. ➢ Underground Cable Duct and Conduit Sizing Calculation & Design. ➢ Detailed Cable Schedule Preparation. ➢ Aeronautical Ground Lighting System Design.	**Activities Performed:** Responsible for design and drawing of 132/11 kV substation earthing system, Cable raceway system, Switchyard layout, Electrical SLD for HV, MV & LV system, Bay Extension design at PGCB Grid Substation, Substation equipment's footprint drawing, Transformer Oil Containment Pit Design, Protection system design, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TX, Main bus (ACSR Conductor/AL or Cu tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. **Name of Assignment or Project:** 100MW Jessore Diesel Power Plant. **Year:** August 2017 to October 2017. **Location:** Jessore. **Clients:** Bangla Trac Power Unit-2 Ltd. **Main Project Features:** Design, Planning & Consultancy of 132/11 kV Substation & 132 kV Transmission Line. **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 132/11 kV substation earthing system, Cable raceway system, Switchyard layout, Electrical SLD for HV, MV & LV system, Bay Extension design at PGCB Grid Substation, Substation equipment's footprint drawing, Transformer Oil Containment Pit Design, Protection system design, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TX, Main bus (ACSR Conductor/AL or Cu tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. **Name of Assignment or Project:** 2 x 113 MW Confidence Rangpur Power Plant. **Year:** July 2017 to October 2017. **Location:** Rangpur. **Clients:** Confidence Power Rangpur Ltd. **Main Project Features:** Design, Planning & Consultancy of 132/11 kV Substation & 132 kV Transmission Line. **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 132/11 kV substation earthing system, Cable raceway system, Switchyard layout, Electrical SLD for HV, MV & LV system, Bay Extension design at PGCB Grid Substation, Substation equipment's footprint drawing, Transformer Oil Containment Pit Design, Protection system design, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TX, Main bus (ACSR Conductor/AL or Cu tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors.

➢ Baggage Handling System. ➢ Baggage Reconciliation System. ➢ Flight Information System. ➢ Cargo Handling System.	**Name of Assignment or Project:** 2 x 113 MW Confidence Bogra Power Plant. **Year:** July 2017 to October 2017. **Location:** Bogra. **Clients:** Confidence Power Bogra Ltd. **Main Project Features:** Design, Planning & Consultancy of 132/11 kV Substation & 132 kV Transmission Line. **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 132/11 kV substation earthing system, Cable raceway system, Switchyard layout, Electrical SLD for HV, MV & LV system, Bay Extension design at PGCB Grid Substation, Substation equipment's footprint drawing, Transformer Oil Containment Pit Design, Protection system design, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TX, Main bus (ACSR Conductor/AL or Cu tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors.
	Name of Assignment or Project: 132/33/11 kV Substation at Walton Hi-Tech Ltd. **Year:** March 2017 to October 2017. **Location:** Chandra, Gazipur. **Clients:** Walton Hi-Tech Ltd. **Main Project Features:** Design, Planning & Consultancy of 132/33/11 kV Substation & 132 kV Transmission Line. **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 132/33/11 kV substation earthing system, Cable raceway system, Switchyard layout, Electrical SLD for HV, MV & LV system, Bay Extension design at PGCB Grid Substation, Substation equipment's footprint drawing, Transformer Oil Containment Pit Design, Protection system design, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TX, Main bus (ACSR Conductor/AL or Cu tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors.
	Name of Assignment or Project: 33/11 kV Substation & Overall Electrical System of Ceramics Factory. **Year:** January 2017 to date. **Location:** Bahubol, Sylhet. **Clients:** Kanika Commercial Ltd. **Main Project Features:** Electrical Design, Planning & Drawing of 33/11 kV Substation & Electrical system for production floor-1. **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 33/11 kV substation earthing system, Switchyard layout, Electrical SLD for HV, MV & LV system, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT,

	CT, DS, CB, TX, Main bus (ACSR Conductor/AL or Cu tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. Design & preparation of BOQ for Busbar Trunking (BBT) System (for production floor-1), indoor & outdoor lighting system.
	Name of Assignment or Project: 11/0.415 kV Substation & Overall Electrical System of Auto Bricks Factory. **Year:** February 2017 to date. **Location:** Mymensingh. **Clients:** Brand Builders Ltd. **Main Project Features:** Electrical Design, Planning & Drawing of 11/0.415 kV Substation & Electrical system for Auto Bricks Factory. **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 11/0.415 kV substation room layout design, Electrical SLD, HT, and LT Panel design. Design & preparation of Load data & BOQ for Cables (for Hoffman Kiln 1&2, Dryer, Blower & Bricks Producing Machineries), Circuit Breakers, Indoor &Outdoor lighting system.
	Name of Assignment or Project: 33/11 kV Substation & Busbar Trunking System (BBT) of Pharmaceutical Plant. **Year:** November 2016 to date. **Location:** Sacara, Narayangonj. **Clients:** ACI Pharmaceuticals Ltd. **Main Project Features:** Electrical Design, Planning & Drawing of 33/11 kV Substation & Busbar Trunking System (BBT). **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 33/11 kV substation earthing system, Switchyard layout, Electrical SLD for HV, MV & LV system, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TX, Main bus (ACSR Conductor/AL or Cu tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. Design & preparation of BOQ for Busbar Trunking (BBT) System (for Transformer to LT & LT to Synchronizing Panel).
	Name of Assignment or Project: 50 MW Shahjibazar Power Plant. **Year:** May 2017 to June 2017. **Location:** Shahjibazar, Sylhet. **Clients:** Energy Prima Ltd. **Main Project Features:** 40/50 MVA Transformer Erection, Installation, Oil Filtration, Cabling and Testing & Commissioning of Substation equipment of Bay-2. **Position Held:** Site Engineer. **Activities Performed:** Responsible for dismantling burned substation equipment, including 30/35 MVA Power Transformer & connecting cables of Bay-2. After that, 40/50 MVA Power

	Transformer erection, installation, oil-filtration, cable connection, and testing & commissioning of substation equipment of Bay-2.
	Name of Assignment or Project: Overall Electrical System & Busbar Trunking System (BBT) of Plastic Factory. **Year:** December 2016 to June 2017. **Location:** Chatak, Sylhet. **Clients:** Akij Plastics Ltd. **Main Project Features:** Design, Planning & Drawing of Electrical System for Plastic Factory & Busbar Trunking System (BBT). **Position Held:** Design & Supervision Engineer. **Activities Performed:** Responsible for design and drawing of 11/0.415 kV substation room layout design, Electrical SLD, HT, and LT Panel design. Design & preparation of Load data & BOQ for Cables (for MDB, SDB, LDB), Circuit Breakers, Indoor & Outdoor lighting system. Design & preparation of BOQ for Busbar Trunking (BBT) System (for LT to MDB).
	Name of Assignment or Project: 33/11 kV Substation & Busbar Trunking System (BBT) of Spinning Mills. **Year:** October 2015 to April 2017. **Location:** Hobigonj, Sylhet. **Clients:** Jamuna Spinning Mills Ltd. **Main Project Features:** Electrical Design, Planning & Drawing of 33/11 kV Substation & Busbar Trunking System (BBT). **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 33/11 kV substation earthing system, Switchyard layout, Electrical SLD for HV, MV & LV system, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TX, Main bus (ACSR Conductor/AL or Cu tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. Design & preparation of BOQ for Busbar Trunking (BBT) System (for LT panel to Production floor).
	Name of Assignment or Project: Overall Electrical System & Busbar Trunking System (BBT) of Industrial Park. **Year:** January 2016 to April 2017. **Location:** Uttarkhan, Dhaka. **Clients:** KC Industrial Park. **Main Project Features:** Design, Planning & Drawing of Electrical System for Industrial Park having different factories & Busbar Trunking System (BBT) for the individual factory. **Position Held:** Design & Supervision Engineer. **Activities Performed:** Responsible for design and drawing of 5 Nos 11/0.415 kV substation room layout design, Electrical SLD, HT, and LT Panel design. Design & preparation of Load data & BOQ for Cables (for MDB, SDB, LDB), Circuit Breakers, Indoor &

	Outdoor lighting system. Design & preparation of BOQ for Busbar Trunking (BBT) System for Washing Plant, Lingerie Plant, Shirt & Bottom Ware Factory, Garments Factory & Jacket Industries Ltd. Design of internal wiring system for each building & Steel structure shed 11 kV overhead distribution line and earthing system.
	Name of Assignment or Project: Overall Electrical System & Busbar Trunking System (BBT) of Garments Factory. **Year:** March 2016 to August 2017. **Location:** Gazipura, Gazipur. **Clients:** Jaroms Industries Ltd. **Main Project Features:** Design, Planning & Drawing of Electrical System for Garments Factory & Busbar Trunking System (BBT) for Individual Floors. **Position Held:** Design & Supervision Engineer. **Activities Performed:** Responsible for design and drawing of 11/0.415 kV substation room layout design, Electrical SLD, HT, and LT Panel design. Design & preparation of Load data & BOQ for Cables (for MDB, SDB, LDB), Circuit Breakers, Indoor & Outdoor lighting system. Design & prepare BOQ for Busbar Trunking (BBT) System for each floor.
	Name of Assignment or Project: Sinha Knit Industries Ltd. **Year:** November 2016 to November 2016. **Location:** Chamurkhan, Dhaka. **Clients:** Sinha Knit Industries Ltd. **Main Project Features:** Design, Planning & Drawing of Lightning Protection System (LPS). **Position Held:** Design Engineer. **Activities Performed:** Responsible for design, planning & drawing of lightning protection system for engine hall, Switchgear & control room by the conventional system according to NFPA-780 & BNBC-2006 standard.
	Name of Assignment or Project: Transformer Erection at Akij Textiles Mills Ltd. **Year:** September 2016 to September 2016. **Location:** Golora, Manikgonj. **Clients:** Akij Textiles Mills Ltd. **Main Project Features:** At Site Erection, Installation, Oil Filtration, Testing & Commissioning of 2 x 5 MVA Distribution Transformer. **Position Held:** Team Leader. **Activities Performed:** Responsible for erection, installation, oil filtration, cable connection, testing & commissioning of 2 x 5 MVA Distribution Transformer.

	Name of Assignment or Project: 50 MW Baraka Power Ltd. **Year:** August 2016 to August 2016. **Location:** Fenchugonj, Sylhet. **Clients:** Baraka Power Ltd. **Main Project Features:** Transformer Oil Filtration, Vacuum & Heat Treatment of 2 Nos 30/35 MVA Power Transformer & 2 Nos 2500 kVA Distribution Transformer. **Position Held:** Team Leader. **Activities Performed:** Responsible for at site testing & supervision of transformer oil filtration, vacuum & heat treatment of 2 Nos 30/35 MVA Power Transformer & 2 Nos 2500 kVA distribution Transformer by maintaining proper instruction.
	Name of Assignment or Project: 450 MW Meghnaghat Combined Cycle Power Plant Ltd. **Year:** June 2016 to July 2016. **Location:** Meghnaghat, Narayangonj. **Clients:** Meghnaghat Combined Cycle Power Plant Ltd. **Main Project Features:** Transformer Oil Filtration, Vacuum & Heat Treatment of 240 MVA Power Transformer & 10 MVA Distribution Transformers. **Position Held:** Team Leader. **Activities Performed:** Responsible for at site testing & supervision of transformer oil filtration, vacuum & heat treatment of 240 MVA Power Transformer & 10 MVA Distribution Transformer by maintaining proper instruction.
	Name of Assignment or Project: 100 MW Powerpac Jamalpur Power Plant Ltd. **Year:** December 2014 to November 2016. **Location:** Shahpur, Jamalpur. **Clients:** 100 MW Powerpac Mutiara Jamalpur Power Plant Ltd. (Shikdar Group). **Main Project Features:** Design, Planning, Consultancy, Erection, Installation, Testing & Commissioning of 100 MW Power Plant's Overall Electrical Job including 132/11 kV Substation, Bay Extension at PGCB Grid Substation & 132 kV Transmission Line (1.2 KM). **Position Held:** Design & Supervision Engineer. **Activities Performed:** Responsible for design and drawing of 132/11 kV substation earthing system, Cable raceway system, Switchyard layout, Electrical SLD for HV, MV & LV system, Bay extension design at PGCB Grid Substation, Existing Bus-Coupler shifting design, Clearance Diagram, Substation equipment's footprint drawing, Transformer Oil Containment Pit Design, Protection system design, Switchgear & control room design. Sizing Calculation & Preparation of technical data sheet for LA, PT, CT, DS, CB, TX, Main bus (ACSR Conductor & AL tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. Design, drawing & installation of internal & external electrification, indoor & outdoor lighting, and Lightning Protection System (LPS) for the entire plant by Active Air Terminal (Erico System 3000).

	Name of Assignment or Project: Overall Electrical System & Busbar Trunking System (BBT) of Garments Factory. **Year:** July 2015 to October 2015. **Location:** Gazipura, Gazipur. **Clients:** Saturn Textiles Ltd. (Printing Section). **Main Project Features:** Design, Planning & Drawing of Electrical System for Garments Factory & Busbar Trunking System (BBT) for Individual Floors. **Position Held:** Design & Supervision Engineer. **Activities Performed:** Responsible for design, drawing & preparation of Load data & BOQ for Cables (for MDB, SDB, and LDB), Circuit Breakers, Indoor lighting system. In addition, design & prepare BOQ for Busbar Trunking (BBT) System for each floor.
	Name of Assignment or Project: Overall Electrical System of Green Leaf Tobacco (GLT) Factory. **Year:** April 2015 to September 2015. **Location:** Kushtia. **Clients:** Akij Group. **Main Project Features:** Design, Planning & Drawing of Electrical System for Green Leaf Tobacco (GLT). **Position Held:** Design & Supervision Engineer. **Activities Performed:** Responsible for design and drawing of 11/0.415 kV substation, HT, and LT Panel design. Design & preparation of Load data & BOQ for Cables (for MDB, SDB, LDB), Circuit Breakers, Indoor & Outdoor lighting system. Cable raceway system, Cabling, Machine Connection under the supervision of Machine Supplier. Internal electrification & electric pole design, erection & installation. Design, drawing & installation of internal & external electrification and Lightning Protection System (LPS) for production building & shed.
	Name of Assignment or Project: 50 MW Shahjibazar Power Plant. **Year:** January 2015 to January 2015. **Location:** Shahjibazar, Sylhet. **Clients:** Energy Prima Ltd. **Main Project Features:** 11 kV VCB, CT, PT, LA Installation, Testing & Commissioning Job. **Position Held:** Site Engineer. **Activities Performed:** Responsible for dismantling of burned 11 kV VCB, CT, PT & Spout Bushing, cleaning the panel, modifying the safety shutter and installation, testing & commissioning of new 11 kV VCB, CT, PT & LA inside the panel by maintaining shutdown schedule.
	Name of Assignment or Project: 50 MW Baraka Power Ltd. **Year:** December 2014 to January 2015. **Location:** Fenchugonj, Sylhet.

	Clients: Baraka Power Ltd. **Main Project Features:** Design, Planning & Drawing of Lightning Protection System (LPS). **Position Held:** Design Engineer. **Activities Performed:** Responsible for design, planning & drawing of lightning protection system for engine hall, Switchgear & control room by the conventional system according to NFPA-780 & BNBC-2006 standard.
	Name of Assignment or Project: Existing LT Panel Modification & Busbar Trunking System (BBT) of Ceramics Factory. **Year:** November 2014 to June 2015. **Location:** Trishal, Mymensingh. **Clients:** Akij Ceramics Ltd. **Main Project Features:** Design, Planning & Drawing of Existing LT Panel Modification & Busbar Trunking System (BBT) for production plant-3 of Ceramics Factory. **Position Held:** Design Engineer & Team Leader. **Activities Performed:** Responsible for design, drawing, and installation of LT panel modification, machine connection, and preparation of BOQ & at site installation of cable, cable tray, and cable raceway system. Design, planning, drawing, installation & preparation of BOQ for Busbar Trunking (BBT) System (for production plant-3) and indoor & outdoor lighting system.
	Name of Assignment or Project: 17 MW S. Alam Power Plant. **Year:** March 2013 to July 2015. **Location:** Potia, Chittagong. **Clients:** S. Alam Cold Rolled Steels Ltd. **Main Project Features:** Design, Planning, Consultancy, Erection, Installation, Testing & Commissioning of 17 MW Power Plant. **Position Held:** Assistant Design & Supervision Engineer. **Activities Performed:** Responsible for design and drawing of 33/11 kV substation earthing system, Cable raceway system, Switchyard layout, Electrical SLD for HV, MV & LV system, Protection system design, Switchgear & control room design. Erection and installation of 33 kV GIS Panel, Sizing Calculation of TX, Main bus (ACSR Conductor & AL tube), and DC Systems. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. Design, drawing & installation of internal & external electrification, indoor & outdoor lighting, and Lightning Protection System (LPS) for the entire plant by the conventional system according to NFPA-780 & BNBC-2006 standard.
	Name of Assignment or Project: 50 MW Baraka Patenga Power Plant Ltd. **Year:** April 2013 to May 2014. **Location:** Patenga, Chittagong.

	Clients: Baraka Patenga Power Plant Ltd. **Main Project Features:** Design, Planning, Consultancy, Erection, Installation, Testing & Commissioning of 17 MW Power. **Position Held:** Assistant Design & Supervision Engineer. **Activities Performed:** Responsible for design and drawing of 33/11 kV substation, Cable raceway system, Switchyard layout, Electrical SLD for HV & MV system, Protection system design, and Switchgear & control room design. Preparation of BOQ for Cables, Substation equipment, Gantry Structures, Clamp & Connectors. Design, drawing & installation of internal & external electrification, indoor & outdoor lighting, and Lightning Protection System (LPS) for the entire plant by the conventional system according to NFPA-780 & BNBC-2006 standard.
	Name of Assignment or Project: Overall Electrical System & Busbar Trunking System (BBT) of Garments Factory. **Year:** February 2013 to August 2013. **Location:** Arshad Nagor, Gazipur. **Clients:** Saturn Textiles Ltd. (Woven Division). **Main Project Features:** Design, Planning & Drawing of Electrical System for Garments Factory & Busbar Trunking System (BBT) for Individual Floors. **Position Held:** Design & Supervision Engineer. **Activities Performed:** Responsible for design and drawing of 11/0.415 kV substation room layout design, Electrical SLD, HT, and LT Panel design. Design & preparation of Load data & BOQ for Cables (for MDB, SDB, LDB), Circuit Breakers, Indoor & Outdoor lighting system. Design & prepare BOQ for Busbar Trunking (BBT) System for each floor.
	Name of Assignment or Project: 100 MW Powerpac Mutiara Karanigonj Power Plant Ltd. **Year:** May 2013 to May 2013. **Location:** Karanigonj. **Clients:** 100 MW Powerpac Mutiara Karanigonj Power Plant Ltd. (Shikdar Group) **Main Project Features:** Bushing Replacement, At Site Testing & Oil Filtration, Vacuum & Heat Treatment of 40/50MVA Power Transformer. **Position Held:** Site Engineer. **Activities Performed:** Responsible for the replacement of transformer bushing, conducting at site tests of the transformer under supervision of team leader, and supervising transformer oil filtration, Vacuum & heat-treatment process.
	Name of Assignment or Project: Overall Electrical System & Busbar Trunking System (BBT) of Food & Beverage Industry. **Year:** July 2013 to December 2013. **Location:** Barobaria, Manikgonj. **Clients:** Akij Food & Beverage Ltd.

	Main Project Features: Design, Planning & Drawing of Electrical System for Food & Beverage Industry & Busbar Trunking System (BBT). **Position Held:** Design Engineer. **Activities Performed:** Responsible for design and drawing of 11/0.415 kV substation room layout design, Electrical SLD, HT, and LT Panel design. Design & preparation of Load data & BOQ for Cables (for MDB, SDB, LDB), Circuit Breakers, Indoor & Outdoor lighting system. Design & preparation of BOQ for Busbar Trunking (BBT) System (for LT to MDB).
	Name of Assignment or Project: Abul Khair Match Factory. **Year:** February 2013 to February 2013. **Location:** Chittagong. **Clients:** Abul Khair Group. **Main Project Features:** Design, Planning& Drawing of Lightning Protection System (LPS). **Position Held:** Design Engineer. **Activities Performed:** Responsible for design, planning & drawing of lightning protection system for engine hall, Switchgear & control room by the conventional system according to NFPA-780 & BNBC-2006 standard.

Personal Details:

Father's Name	: Abdul Halim Mazumder
Mother's Name	: Rahima Akter Mazumder
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Reference (s):

	Reference: 01	Reference: 02
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Declaration:

I, the undersigned, certify that to the best of my knowledge and belief, this curriculum vitae is correctly described me, my qualification, and my experiences. Any willful misstatement described herein may lead to my disqualification or dismissal if engaged.

(Md. Rabiul Hasan Mazumder)