

# CURRICULUM VITAE (CV)



Name: Jalal Ahmed  
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## **Key Qualifications:**

More than 11 years experience with operations & maintenance of gas Engines, 11/0.4KV & 11/132KV substation and 11KV & 0.440 KV switchgear, , capable of trouble shooting of the equipment's and taking appropriate corrective & preventive actions with root cause analysis and recommending preventing actions to eliminate re-occurrences.

Also have enough knowledge GE Jenbacher JGS 620 GS-NL & Caterpillar M 3516 & G 3520C gas engine, 10 ton Boiler, reciprocating type air Compressor & Water treatment Plant.

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## **Educational Qualification:**

Bachelor of Science In Electrical & Electronics Engineering-2014  
Atish Dipankar University of Science & Technology, Dhaka.  
CGPA: 3.30 out of 4.00

Diploma-in-Electrical Engineering-2002  
Comilla Polytechnic Institute  
Bangladesh Technical Education Board, Dhaka.  
First Division

Secondary School Certificate-1999  
Harischar Union High School  
Comilla, Board.  
First Division,

## **Training:**

- ❖ Industrial attachment training course at Micro Electronics Limited Dhaka,
- ❖ Operation and Maintenance of 1000 psig gas RMS (ZICOM, Singapore at Bangladesh plant site)
- ❖ Operation and maintenance of GE gas Engine (GE, Austria at Bangladesh plant site)
- ❖ Kaptai Hydro-electric Power Plant (320MW) & Rawsan Thermal Power Plant (420MW)

## **Computer capabilities:**

- ❖ Operating System: Windows XP/98/7/8
- ❖ Office Packages: Microsoft Word, Microsoft Excel, Microsoft Power Point.

## **Languages:**

Bengali: Excellent proficiency & English Good proficiency in all areas

## **Personal Information:**

Name	: Jalal Ahmed
Parents	: Abdul Hakim Amena Begum
Permanent Address	: Vill: Shikaripara, Post: Vabookpara, P.S: Laksam, Dist: Comilla.
Present Address	: Senior Engineer, Shahjibazar Power Company Limited. Fathepur, Madhobpur, Habigonj.
Date of Birth	: 9 <sup>th</sup> August, 1983
Nationality	: Bangladeshi
Marital Status	: Married

### **Job Experience:**

Name of Organization : **Shahjibazar Power Company Ltd.** (An Enterprise of Youth Group), 90MW  
Gas Engine Based Power Plant at Shahjibazar, Madhobpur, Hobigonj.  
Position : Sr. Engineer Operation & Maintenance.  
Duration : From 3rd January, 2009 to till now.

### **Responsibilities:**

I was engaged in supervising the work of Installation, Testing and Commissioning of Engine, Alternator, Transformer, Sub-station and all Electrical Systems.

❖ Operation & Maintenance of Gas Generator (32 Nos.) Brand-GE Jenbacher – Austria.

>Engine Type JGS 620 GS-NL

>Rated Power 2902 KW

>Alternator AVK, 11KV

❖ Ensuring operation & Maintenance of  
11/132 KV Switch Gear (Brand-Energy Pac, Bangladesh)

>630A & 2500A VCB for 11KV Switch gear control.

>1250A & 2000A SF6 Gas Circuit Breaker (Brand-ABB) for 132 KV control.

>Protective relays 11KV & 132KV: Micom & Areva brand

>11KV & 132 KV CT. PT & 132 KV Lightning Arrestor

❖ Ensuring operation & Maintenance of  
Distribution & Power Transformer (Brand-Energy Pac, Bangladesh)

>1.5 MVA, 11/0.415 KV Distribution Transformer-4 nos

>30/35 MVA 11/132 KV Power Transformer -4 Nos.

>Buchholz Relay, pressure relief device, breathing system.

>On Load tap changer

❖ Ensuring operation & Maintenance of 25 MMCFD RMS (By ZICOM, Singapore)

>Two stage regulation: 1<sup>st</sup> Stage 1000 psig to 340psig & 2<sup>nd</sup> Stage 340 to 60 psig.

>Gas Flow Meter (Brand-ABB USA,)

>Gas Analyzer (Brand ABB USA, Model-NGC 8206)

>Gas Heater (Brand-ZICOM, Model-ZWH-600-04-600-PL)

>Quick Opening Closure (Brand-Aerospace Energy, Model-KKT-18A)

❖ Total produced energy, fuel, lube oil & gas consumption, operating status of equipments in sound and clear condition, Inventory & store.

### **Job Experience:**

Name of Organization : **Energy prima Ltd.** (An Enterprise of Hosaf Group), 50MW Rental Power  
Plant, Kumargaon, Sylhet.  
Position : **Operation Engineer.**  
Duration : From 1<sup>st</sup> August 2008 to 31<sup>st</sup> December 2008.

### **Responsibilities:**

I had engaged in supervising the work of Installation, Testing and Commissioning of Power plant, Sub-station and all Electrical power & control systems.

❖ Operation & Maintenance of Gas Generator (27 Nos.) Brand Caterpillar by USA

>Engine Type G-3520C

>Rated Power 1950 KW

>Alternator Caterpillar 11KV 128A & 0.4KV 3517A

>Terberg Control System by Netherlands.

❖ Ensuring daily operation and Schedule maintenance program of

>Jacket water & Lube oil refill or change

>Air filter, Oil filter, Gas filter, Spark plug clean or change

>Actuator rod end & Alternator bearing greasing are etc.

- ❖ Operation and Maintenance of auxiliaries such as
  - > Cooling system (Radiator), Jacket water pump, Pre-lube pump, Air inlet system, Turbo charger
  - > Alternators, self starter, water treatment plant, Air compressor, D C source etc.
- ❖ Maintain & analysis of operational log, records of plant overall achievement, Total produced energy, fuel, gas & lube oil consumption, operating status of equipments in sound and clear condition, Inventory & store.
- ❖ Operation and Supervision of 132 KV Grid sub-station and switchgear equipments.

**Job Experience:**

Name of Organization : **Bashundhara Tissue Industries Limited**, (An Enterprise of Bashundhara Group) Anarpura, Gazaria, Munshigonj.

Position : **Assistant Engineer (Generator).**

Duration : From 29<sup>th</sup> June 2003 to 31<sup>st</sup> July 2008.

**Job Responsibilities:**

- ❖ I had engaged in operation, Maintenance, trouble shooting, and overhauling of 4.12MW power plant, 6MVA Sub-station and REB incoming 6MW.
- ❖ Operation & Maintenance of Gas Generator (04 Nos.) Brand Caterpillar by USA
  - > Engine Type G-3516
  - > Rated Power 1030 KW
  - > Alternator Caterpillar 0.4KV
  - > Enercon Control System by Singapore
- ❖ Operation, schedule Maintenance, and Troubleshooting of Distribution Transformer (Brand- Energy Pac, Bangladesh)
  - > 3.0 MVA, 11/0.415 KV Distribution Transformer-2 no's
- ❖ Daily Operation and schedule works completed as
  - > Engine visually checked, Lube oil checked, cooling system checked, Air filter indicator checked, Battery charge & battery electrolyte level checked are etc.
  - > Daily shift diary analysis and any problem try to solve.
  - > Different types of schedule Maintenance completed.
- ❖ Ensuring operation & Maintenance of 10 ton Clever Brooks Boiler (by USA), reciprocating type SPARRE Air Compressor & Water treatment Plant daily inspection & required work completed.
- ❖ Successfully completed Top Overhauling of Genset.

**Reference:**

**Md. Kamruzzaman Shaeen**

Executive Director  
South Fabrics Ltd.  
Gorai, Mirzapur, Tangail  
Mobile: 01819253675

**Dr. Md. Motaher Hossain (Jewel)**

Assistant Professor, Head of Dept. (Eye)  
Anam Medical College & Hospital,  
Savar, Dhaka.  
Mobile: 01819279828



02.11.2014

Jalal Ahmed