

RESADUL ISLAM HEMEL

Acorn Infrastructure Services Limited Unit-3
Jhulda, Karnaphuli, Chattogram
Cell: 01950510676, 01744775017
E-mail:hemel.engg@gmail.com



Career Aspiration:

To secure a challenging position in today's dynamic job environment, this will facilitate an in-depth application of my hard work & efficiency with the support of my academic, qualification en-route to achieve my goal.

Employment History:

Employer: Acorn Infrastructure Services Limited Unit-3 (Concern of BanglaCAT)

Plant Capacity: 100 MW HFO Based Power Plant

Duration: Oct 17, 2016 – Continuing

Position: Engineer (Operation)

Responsibilities

Electrical engineer for erection of 100MW HFO based power plant. To perform project work as per guidelines. To perform smooth operation of the plant following all the instructions of Shift Engineer. My project and operation responsibility Includes:

- Erection and installation of all electrical equipment, cabling and termination. Designing cable raceways, power & control cabinet installation, plant utility system build up.
- Alternator installation, power cable termination, controlling cable connections, protection & measuring instrument set up, NGR installation. Finally checking and commissioning.
- Transformer installation, general assembly , power cable termination, protection system build up as per protection scheme, transformer remote controlling with RTCC, OLTC Remote controlling, transformer oil vacuum heat treatment & test, conduct Transformer's different test before charging and commissioning.
- Substation installation and fabrication as per design and single line diagram. Transformer, CT, PT, LA, Circuit Breaker, DS, ES & Bus installation with control circuit preparation.
- Switchgear (LV & MV) installation with automation, control and protection system.
- Grounding & lightning Arrestor system installation and fabrication.
- Assisting in Plant Commercial operation test.
- Close supervision, operation of Caterpillar 16CM43C engine module each capacity of 14 MW.
- Adjust controls to regulate the flow of power between generating stations and substations.
- Operating, controlling and observing all auxiliaries and assisting Shift Charge Engineer in the performance of diagnostic works on electro-mechanical faults and Plant outages.
- Taking all meter readings, temperatures, gauge pressures, monitor voltage and electricity flow and ensuring smooth run of generating units.
- Operating SCADA and Protection Systems in compliance with procedures and the Power Agreement Requirement.
- Completing plant generation report and Shift work report timely.
- Doing leak test, HT, LT water draining and filling and assist maintenance team when requires.

- Performing T/C wash, filling sump oil, cooling water, emptying sludge tanks, transferring oil, etc. Preparing equipment for maintenance & normalize equipment taking all safety precautions.
- Operating LV, MV, HV Switchyard equipment such as Power transformer, Auxiliary transformer, VCB, SF6 Circuit breaker, CT, PT etc.
- Observing all the electrical and mechanical protections of Generating units, transformer and engine.
- Executing all operational works of fuel treatment plant to avoid any unwanted circumstance of fuel flow.

Academic Qualification:

Institute : American International University Bangladesh (AIUB)
 Major : **Electrical And Electronic Engineering**
 Result : 3.32 Out of 4.0 (Year 2016)

Institute : Govt. Shahbazpur College
 Major : Science
 Result : 4.20 Out of 5.0 (Year 2011)

Institute : Lalmohan Secondary School
 Major : Science
 Result : 5.00 Out of 5.0 (Year 2009)

Language Skill:

English : Excellent in speaking, reading and writing.
 Bengali : Fluent in speaking, reading & writing.

Computer Literacy:

Office Application : Microsoft Office(Word, Excel, Power Point)
 Engineering Design Application : Autocad 2010, Proteus 8,
 Graphics Design Application : Adobe Photoshop, Adobe Illustrator

Training:

| Training Title | Topic | Duration |
|------------------------------------|--|-----------------|
| Basic Microcontroller Based Design | Pic Microcontroller, Analog/Digital Sensors, Embedded System Design, PCB Fabrication, User friendly project making, Hardware Implementation. | 3 months |

Personal Information:

Name : Resadul Islam Hemel
 Father's Name : Md. Hasan
 Mother's Name : Jasmin Begum
 Date of Birth : 12/10/1993
 Nationality : Bangladeshi
 Permanent Address : Vill: Western Para, P.O: Lalmohan, Dist: Bhola
 Current Location : Chattogram

Reference:

Mr. Mizanur Rahman
Deputy Manager (Electrical)
Acorn Infrastructure Services
Ltd. (AISL)
Mobile: 01744248735

Khandker Saiful Islam
Shift Engineer
Baraka Power Ltd
Mobile: 01758634606

Declaration:

I hereby declare that all the above information furnished about me is true to the best of my knowledge and belief.



Resadul Islam Hemel