

CURRICULUM VITAE OF MD. MEHEDI HASAN



NAME : Md. Mehedi Hasan
DATE OF BIRTH : 16th, October, 1988
GENDER : Male
BLOOD GROUP : O+
MARITAL STATUS : Married
NATIONALITY : Bangladesh (By birth)
LANGUAGES : Bengali (native), English (fluent)
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CONTACT ADDRESS

PRESENT ADDRESS : Chorchartola, Ashuganj, Brahmanbaria-3402, Bangladesh

PERMANENT ADDRESS : Vill-Gopinathpur, Post-Golapnagar, P.S-Bheramara, Dist-Kushtia

OBJECTIVE

To work as an Engineer and broaden my experience in a position offering the opportunity of personal growth and rewards where I can consolidate my strength and contribute to my position with a dedicated effort through the application of my knowledge and skills.

WORKING EXPERIENCE: 7 Years 06 months



Present organization : Midland East Power Limited
Designation : Shift in Charge
(Operation)
Duration : 22th November, 2018 to Till Now
Work station : 150MW HFO Based IPP Power Plant, Ashuganj
Website : www.youthbd.com

RESPONSIBILITIES

This plant is 150MW HFO based power plant having 23 unit of **Rolls-Royce Bergen (B32:40V16A) 7015 KW** each engine. I have been working in this plant as a Shift in Charge & my responsibilities such as:

- Lead the shift and ensure smooth operation of the power plant.
- Prepared all daily, weekly, monthly and yearly generation report, fuel consumption report, lube oil consumption report, plant availability, maintenance summary, spare parts uses record & others.
- To ensure & check daily shift diary, log book are properly filled up and all the relevant information are available.
- Monitor and interpret plant operating data and rendering decisions or to perform as may be necessary to maintain safety, efficiency and availability of the entire power plant.

- Responsible for all mechanical & electrical activities of all auxiliaries, equipment and safe operation of the power plant.
- Interpret plant operating results & trends and recommend corrective measures.
- Take necessary initiative for any abnormalities during operations and issue work request and isolate equipment for maintenance.
- Handover the relevant information, significant events, instructions and charge to the subsequent receiving shift prior to leaving the plant.
- Ensure smooth operation of HFO fired Engine and Alternator, LO/HFO separator, Booster module, Water Treatment Plant, Fuel Treatment Plant, Auxiliary boiler and exhaust gas boilers.
- To communicate and coordinate with other agencies like NLDC as and when required.



Present organization : **Energis Power Corporation Ltd.**
Designation : **Senior Engineer (Operation & Maintenance)**
Duration : 6th April, 2014 to 30th November, 2018
Work station : 55MW HFO Power Plant, Shikalbaha, Chittagong
Website : www.energiscorporation.com

RESPONSIBILITIES

Responsible for all Electrical and Mechanical activities check out operation-monitoring system of **Man B&W Duel fuel engine** Operation to run the Power Plant smoothly. Such as:

- Should follow the Company & Office management rules and regulations, process of efficiency, standard of safety.
- To assist in shift operation of the power plant and take shift responsibility in the event of absence of Shift Engineer.
- Accountable to the concern Shift Engineer for proper discharge of the assigned duties, smooth starting, stopping & operations of engine & other auxiliary equipment.
- Keep informing the Control Room Shift Engineer for any abnormality and corrective measures taken by myself or whether to be done by the Shift Engineer or whether Maintenance Engineer's presence is required to attend the problem.
- Operation & maintain different system of **H.F.O Plant** such as Separator system, Fuel system, Lube Oil system, Cooling System, Steam control system, Starting air system, Water Treatment Plant etc.
- Understand, abide and implement all relevant documentation, regulations, guidelines and procedures of the power plant. (Log maintains, daily generation report etc.).
- Take rounds in the Substations, Fuel Tank Yard, Fuel Treatment Plant, WTP (Water Treatment Plant), Boilers, Lube Oil purifiers etc. where ever is the place of duty for visual inspection and recording of necessary parameters.
- To keep sharp watch on the levels of all the LT & HT water Tanks, HFO & LFO Tanks, Lube oil sump and report to the Control Room of the levels. I am also be fully conversant of all the valves piping systems of the Sludge tank and Oily Water Tank, fuel oil, lube oil, starting and control air, steam & water system.
- Good knowledge about Alternator, Transformer & Sub-Station.
- Monitor all the equipment's parameters & report it any abnormality.
- Ensure personal and equipment safety & environment management system.



Previous organization : China National Electric Wires & Cables Imp. /Exp. Corporation (CCC Engineering Ltd.)”
Designation : Assistant Engineer (Operation)
Duration : From 3rd Jun 2011 to 31th Mar 2014.
Work station : Baghabari 50 MW Peaking Power Plant, Sirajgonj
Website : www.ccceng.cn

RESPONSIBILITIES

I have been working in Baghabari 50 MW Peaking Power Plant under BPDB which Operation & Maintenance by CCC Engineering Ltd. This plant is HFO based power plant having 06 (six) unit of Wartsila Engine (W20V32) 8924 KW each engine. I have been working in this plant as an Operation & Maintenance Engineer.

- I am responsible for the engine operation and Maintenances work done in Shift.
- Supervise the safe, efficient & economical running and troubleshooting of the power plant.
- Handle, operate & troubleshooting of the engines, boilers, subs-station ,water treatment plant, Lube & HFO separators and fuel modules and other auxiliaries system.
- To write all the relevant events of the shift in the Shift Log Book including any pending actions to be taken in the next shift.
- Monitoring and recording all the data or parameters of all the systems related to Engines & Auxiliaries while keeping eyes on any abnormalities of the equipment occurred and, if so, then take immediate action to fix up the abnormalities.
- Responsible to maintain reliable power plant operation to peak providing Load as per NLDC.
- Start & stop the engine, auxiliary pumping equipment, and other power plant equipment, and connect or disconnect equipment from circuits.
- Preparing Electrical & Mechanical log sheet, and Calculating Generation/ Fuel Consumption/ Efficiency /Average Load /Avg Running Hrs etc.
- To keep the engine in a good condition.

EDUCATIONAL BACKGROUND

January 2011

**Completed B.Sc. Engineering in EEE from
University: American International University-Bangladesh
CGPA Obtained: 3.40 in a scale of 4.0**

September 2006

**Passed H.S.C. examination from
Educational Institute: Police Line School and College, Kushtia
Board: Board of Secondary & Higher Secondary Education, Jessore
GPA Obtained: 3.50 in a scale of 5.0**

July 2004

**Passed S.S.C. examination from
Educational Institute: Damukdia Secondary School, Bheramara
Board: Board of Secondary & Higher Secondary Education, Jessore
G.P.A. Obtained: 3.75 in a scale of 5.0**

UNDERGRADUATE PROJECT

Topic : Controlling Stepper Motor Using Solar Power Energy
Supervisor : Jinat Afroj
Lecturer of Engineering Faculty
American International University-Bangladesh

SKILLS AND CAPABILITIES

- Power plant management & operation
- Operational Data analysis and statistics
- Troubleshooting/Problem-solving and analysis skills
- Productivity improvement specialist
- Cross-functional team management
- Adaptability & Leadership
- Calm under pressure.
- Excellent communication skills.
- Proactive strong Team player.
- Common software application knowledge
- Ability to translate technical specifications
- Honest-Punctual & friendly-amiable.
- Assessment-monitoring & evaluation skill.

REFERENCES

1. **Engr. Md. Imdadul Islam**
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Power Grid Company Of Bangladesh Ltd
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2. **Engr. Md. Abdul Matin**
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Bangladesh Power Development Board,
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CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this curriculum vitae correctly described my qualifications and me. Hereby, I declare that all the details given above are true in the best of my sense.



Signature: _____
Md. Mehedi Hasan