

Abdul Hady Shaik Hassan

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EXPERIENCE

Project Executor & QA/QC Inspector

2020 – Present

MARAFIQ Power and Utility Company for Jubail and Yanbu

Yanbu, KSA

- Handling of Power Connection Requests (34.5 kV, 13.8kV, 0.1/0.6 LV) for all Industrial, Infrastructure and housing Projects within Royal Commission Yanbu. Inspection and carrying out the tests for new and old equipment and cables at different voltage levels mainly 34.5 kV, 13.8 kV and 0.4KV.
- I performed the activities above as the main coordinator and leader for job execution as per local and international standards i.e. NEC, IEC, IEEE.

QC & Quality Inspector/ Electrical Foreman

2002 – 2020

MARAFIQ Power and Utility Company for Jubail and Yanbu

Yanbu, KSA

- Technical Evaluation / Review of all kind of new projects related to Distribution Network (Cables, Transformers, Metering Cubical, Switchgears).
- Pioneered Electrical Distribution activities: Installation, testing & commissioning to energize 10-14 customer sites per quarter.
- Review all the material submittals submitted by Contractors related to Electrical Works.
- Inspect the Construction work as per their approved Inspection Test Plan and Approved Drawings.
- Trained new Electrical Personnel for Testing Commission activities, PM/CM Job and to examine QA/QC Documentation.
- Resolve team and contractor challenges with proactive and actionable solutions.
- Guided Procurement with Technical insight to process purchase requisitions, expedited communication with suppliers.

Substation Maintenance Electrical Foreman Gas Insulated Switch Gear (GIS)

1991 - 2002

Royal Commission for Jubail and Yanbu

Yanbu, KSA

- Preventive and corrective maintenance of hydraulic/pneumatic mechanism & overhauling.
- Checking SF6 gas dew point, percentage purity and leakages in switchgear.
- Trouble shooting of control panel problem.
- High voltage testing for Insulation Integrity.
- Measurement of the contact resistance to detect any loose contact in GIS assembly.
- GIS Network Partial Discharge Diagnostic on Periodic Maintenance.
- Periodic & Diagnostic Maintenance of distribution & power transformer including their control & relays, Using Thermal Camera to check the Heat hotspot of the system.
- Checking the function of monitoring devices of the distribution & power transformers and trouble shooting.
- Installation & field testing of the new switchgears.
- Maintenance of 34.5KV and 13.8KV Vacuum, SF6 and oil Circuit Breakers of various manufacturers such ABB, Siemens, Merlin Gerin, Westinghouse and OD 3 circuit breakers.
- Installation, Testing & Commissioning of Oil Filled & XLPE Cable of Different Voltages up to 380KV network system.

Electrical Commissioning Foreman

1986 – 1991

RESOURCE SCIENCES ARABIA LTD

Yanbu, KSA

- Performing commissioning test on transformer main parts to ensure its proper operation when in service (e.g. Bucholz Relay Operation).
- Attending to preventive maintenance/Corrective maintenance and inspection work on 380KV/115KV/34.5KV/13.8KV and distribution transformers.
- Maintenance work on all types of D.C. battery banks, battery chargers, and lightings.
- Maintenance work on 115KV gas insulated (SF6) switch gears, including:
 - I) Detecting gas leak in chambers by using argon gas leak detector "Meltron".
 - II) Checking gas insulation level by using the "Hygrometer".
 - III) Filling SF6 gas for the low-pressure chambers by using SF6 gas filling device.
 - IV) Gas recirculation, dehydration and evacuation of SF6 gas chambers by "Micafil" and "Dilo" mobile gas treatment plant.
 - V) Additionally, attending preventive and corrective work on the following types of breakers and trouble-shooting of its electrical circuits and breaker mechanisms such as: Oil Circuit Breakers, Air Circuit Breakers, Vacuum Circuit Breakers and, Other types of Circuit Breakers

EDUCATION & PROFESSIONAL DEVELOPMENT

- 3 Years Diploma in Engineering — The Open University, Sri Lanka, 1980 - 1983
- Received The Technical Training Certificate of Participation, 10 days period of 24th sept. 1996 to 3rd Oct. 1996 training about the Basic principles of design and function of OD 3 circuit breakers. - **Trained by ABB (KSA)**
- Received The Technical Training Certificate of Participation 5 days about the 115 kV GAS INSULATED SWITCHGEAR 8DN9 which commenced on 22nd Mar. 1998 and was conducted at the premise of PTA & Aromatics Plant, Yanbu. - **Trained by Arabia Electric Ltd. (E)/SIEMENS**
- Received The Technical Training Certificate, On-site training program for the SUBSTATION CONTROL & MONITORING SYSTEM at the 380kV Switchyard Building #21 within MY ASPP under Contract 23635-C-002. - **Trained By HITACHI Ltd. NICHIMEN Corp. JOINT VENTURE.**
- Received The Technical Training Certificate Knowledge and Maintenance of TH7 GIS on the period 22nd Feb. 2002 to 26th Feb. 2002. - **Trained By MERLIN GERIN**
- Received The Technical Training Certificate on Site Training Program for 380 kV Gas Insulated Switchgear - Operations and Maintenance dated 15th Sept. 1999. - **Trained By MITSUBISHI CORPORATION & MITSUBISHI ELECTRIC CORPORATION**
- Received The Technical Training Certificate Recognition of the Successful Participation in the 12-Year Service Maintenance Programme for 380 kV Gas Insulated Switchgear dated 19th Jul. 2000. - **Trained By MITSUBISHI CORPORATION & MITSUBISHI ELECTRIC CORPORATION**
- Received Technical Training Certificate for the SF-6 GAS INSULATED SWICHTCHGEAR Type ELK-02 and ELK-03 / 04. - **Trained By ABB**
- Trained from SEBA KMT Commissioning and Training Centrix Cable Test and Fault Location System. 27th Nov. 2010 to 1st Dec. 2010 in Yanbu, KSA. - **Trained By SEBA KMT**
- Received the Technical training certificate onsite training Program for the 4.16KV & 480 V Transformer & Switchgear & Breakers from 14th Oct. 2018 to 18th Oct. 2018 in Yanbu, KSA. - **Trained By MARAFIQ Training Center**

ACHIEVEMENTS

- For FAT visited USA (CHICAGO) S&C Electric Company for PMS models 422,523 34.5KV & 13.8KV.
- Appreciation Certificate from MARAFIQ.
- Appreciation Letter from Royal Commission Yanbu on dated 3 October 2001.
- Appreciation Letter from HITACHI Ltd. Nichimen Corporation on dated 20 Sep 1999.
- Appreciation Letter from Arabia Electric Ltd. (E)/SIEMENS.
- Authorized Permit Receiver from MARAFIQ.
- Authorized Safety Tagging and In Test Clearance Receiver 115 KV SF6 Switchgear.
- Authorized Safety Tagging and In Test Clearance Issuer up to 380 KV EHV.