

ABDUL WAHAB SHAIKH

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Present Address: Jeddah, Saudi Arabia.

Profile Summary:

- Working as **Sr. Electrical Engineer** in EHV Protection Design review Division (National Grid) Western Region, HQ Jeddah, KSA
- Over 16 years of working experience in Grid system protection, maintenance and design review.
- Protection design review of 8 x 380KV substations including 2 x power plant projects.

Professional Experience (16 years)

I. Saudi Electricity Company (SEC-WOA) Jeddah (April - 2013 to Till Date)

- Presently Working as Sr. Electrical Engineer in EHV Protection Design review Division (National Grid) Western Region, HQ Jeddah, KSA.
- Projects supervised to the following 380kV BSP Projects
 - 380/110/13.8kV AL KHALDIAYA BSP.
 - 380/110/13.8kV AL SALAM BSP
 - 380KV JAZZAN REFINARY POWER PLANT BSP
 - 380/110/13.8kV YANBU CITY BSP
 - 380KV EXPANSION OF ABHA EAST BSP
 - 380KV INTEGARTION OF RABIGH CC PHASE V& VI POWER PLANT & RABIGH IPP2 GIL
 - 380/110/13.8KV JEDDAH PRINCE FAWAZ HOUSING
 - 380KV EXPANSION OF JEDDAH NORTH WEST BSP
- Review technical submittals about complete protection design of 380/110/33/13.8kV BSP substations (i.e. Relay list, Relay metering one line diagram, Base & detail design received from vendors/suppliers according to SEC standards and as per PTS requirement.
- Preparation of Protection specifications for EHV and HV substations including conventional and optimized schemes for western operating area of Saudi Electricity Company.
- Working for continual improvement and finalization of Optimized Panel Design Schemes (OPDS)
- Review the Scope of Works for protection equipment's according to SEC standards and incorporate comments.
- Study the New Project Specification for required standard to fulfill the requirements.
- Provide technical clarification & comments raised by contractor and design engineering.
- Co-ordinate and provide technical support to engineering and maintenance engineers divisions.

- Review the comments submitted by contractors and SEC related Departments, studied the comments and compliance for the comments submitted to the concerned departments.
- Reviews substation equipment Layout, Main One Line, Relay and Metering drawings and incorporate comments if necessary.

II. Karachi Electric Supply Corporation(2003-2013)

- **Deputy Manager - Grid System Protection (Jan 2012- Mar 2013)**
 - Responsible for protection and maintenance activities of 13 x EHT network grid station, comprising of 220kV, 132kV, 66kV and 11kV system
 - Responsible for reviewing relay setting calculations submitted by contractor for projects regarding new substations / extension of existing substations
 - Responsible for providing safety awareness and ensure safety compliance on site for all protection staff
 - Making plan of Annual Preventive Maintenance
 - Capable of designing and testing 220/132/11KV Transformer Differential Schemes
- **Assistant Manager - Grid System Protection (Apr 2004 –Dec 2011)**
 - Implementation and testing of protection scheme for power / auto transformers, transmission lines and 11 kV feeders
 - Responsible for witnessing FAT/SAT of line / transformer duplex and protective panels and switchgears.
 - Well versed with all safety regulations employed during field work.
 - Carrying out all Power Transformer Tests including Transformer Turn Ratio, Winding Insulation, Winding Resistance Test, Short Circuit Test.
 - Capable of carrying out Annual Preventive Maintenance of 220kV/132kV/66kV/11kV Power Transformers and Switchgears.
 - Capable of calculating fault current, grading and protection coordination of over current relays at different voltage levels.
 - Capable to install and test Over Current & Earth Fault, Breaker Failure, Synchrocheck, Under Frequency, Trip Circuit Supervision Relays, Differential and Distance relays of various manufacturers (i.e. Siemens, Areva, GE and ABB etc) installed at 220/132 kV EHT Network.
 - Inspection/testing of 89 Medium Voltage Panels in Siemens Karachi Pakistan form 25-06-2008 to 04-07-2008 .
 - Three days FAT (Factory Acceptance Test) of Differential Relay 7UT612 in Siemens Pakistan.
- **Operation Shift Engineer 11kV - Operation Department (Sep 2003 - Apr 2004)**
 - Load Management of 11kV Primary distribution Electric System.
 - Fault localization of both overhead and underground system.
 - Efficient and economic back feeding of areas on adjacent distribution lines in case of fault in the system.
 - Load flow studies to recommend new overhead and underground distribution lines for system rehabilitation.

III. SECOM Engineering Services (PVT) LTD, Electrical Engineer (May2002- Jul2003)

- Deputation of labor on sites as per client requirements(KESC).
- Supervision of labor and work as per client requirements.

IV. ZFFAR Enterprise, Karachi, Pakistan: Electrical Engineer(Dec 2001- May 2002)

- Site supervision of Under Ground power cable installation.
- Responsible to ensure work as per standard.
- Report any safety violation.

Professional Training/Internship

- Attended the training on “Health, Safety & Environment” at Karachi Electric Supply Company.
- Three days training in Siemens Karachi Pakistan of Overcurrent Relay 7SJ602 from 21-12-2009 to 23-12-2009.
- Two months Internship in Karachi, Pakistan Machine Tool Factory from 03-07-2000 to 31-08-2000.

Qualification

B.E (Electrical Engineering) Quaid-e-Awam University of Engineering Science and Technology, Nawabshah Sindh. **(SEP, 2001)**

Professional Membership

- Life time membership as professional Engineer in **Pakistan Engineering council. (PEC)**
Reg. No: ELECT/17787
- **Saudi Council of Engineers (SCE) Professional Engineer Register**
No.157460