200095-ELE-2CTyz-E-2009
GIS Siemens Certified Senior Commissioning Engineer

Holds a B. Sc. in Electrical Engineering and has over 14 years experience, mainly working in high voltage substations.

PERSONAL DATA

Nationality	:	Pakistani
Birth Date	:	25/02/1987
Gender	:	Male
Marital Status	:	Married
Residence	:	Pakistan

EDUCATION

: B. Sc. in Electrical Engineering, National University of Sciences & Technology, Pakistan, 2009

LANGUAGES

English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Digsi 4.88
: Digsi 5, 8.00
: Configuration software's for GE (Entervista 650), Alstom (Easergy Studio) and ABB (PCM600)
: AutoCAD
: Primavera
: ETAP

TRAINING COURSES AND CERTIFICATIONS

: Data Center Associate Certified Engineer by APC Schneider Electric.
: Siemens Basic Certified GIS Primary Testing and Commissioning.
: Assessed by Siemens Transformer Supervisor for transformer testing.
: Siemens Partial Discharge Measurement Training.
: Siemens High Voltage Testing Training.
: GE Training for KELMEN Gas Analysis Machine Testing and Commissioning.
: DEWA Approved M7 Testing Engineer.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2022 till now
Employer : UNEX Power
Job title : GIS Siemens Certified Senior Commissioning Engineer

Dates : From Sep. 2021 till Feb. 2022
Employer : SIEMENS Iraq
Job title : GIS Certified Senior Commissioning Engineer

Dates : From Jan. 2021 till Aug. 2021
Employer : SIEMENS LLC
Job title : GIS Specialist

Dates : From Nov. 2014 till Aug. 2019
Employer : SIEMENS KSA
Job title : Testing & Commissioning Engineer

Dates : From Jan. 2013 till Jul. 2014
Employer : Hyundai Engineering and Construction Pvt. Limited, Pakistan
Job title : Electrical Commissioning Engineer

Dates : From Feb. 2010 till Dec. 2012
Employer : Siemens Engineering Pakistan Limited
Job title : Primary Testing & Commissioning Engineer, Site Execution Engineer

Field of experience :

- Summary:
  - Commissioned over 20 GIS & AIS substations, 380-115KV, 400-132KV in Pakistan, Saudi Arabia, Iraq and UAE.
  - Received specialized trainings from Siemens AG, Schneider & GE in fields relating to the Testing & Commissioning of HV Switchgear.
  - Expertise in HV & MV Switchgear, protections and control systems.
  - Vast exposure to Site and Project Management.
- Professional Experience:
  - Site Management: Supervision of the site teams, and coordinate between various disciplines for Safety. Manage activity reports and prepare documentation for invoicing and other contractual requirements. Understand and resolve any technical issues between client & Contractor, including inspection and approval of all and electrical equipment. Manage critical site activities, including un-loading, movement, storage and installation of high-value equipment.
  - Testing & Commissioning: Testing and Commissioning of various types of HV & MV Switchgear, Power and Distribution Transformers, Control & Protection Systems and Auxiliary power Systems in EHV/HV/MV/LV substations as per requirements of the client, local authorities, and international standards.

- Equipment and Design Modification: Foresee issues in plant operation, and to implement necessary modifications on site. Constant liaison with project engineers to resolve technical issues. Provide marked-up drawings to Design engineers to establish accurate As-Built documentation.
- Manage Customer Relations: Extensive interaction with clients' representatives, through all phases of the project. Manage client's satisfaction in handing over the project after thorough testing of the equipment and explanation of the complete documentation. Successful process ends in receiving the job completion certificate.
- Commissioning Team Lead: Lead a team of professional engineers to drive a specific goal, supervise all the testing activities of the complete project. Utilizing the manpower and assigning them as per the requirements. Red mark up the drawing's implementation of the red mark-up drawing, approval of documents from the client. Submitting the weekly plan and monthly progress report to the client for the invoicing. Hiring of technical resources as per the needs.

- As Testing & Commissioning Engineer:
  - To test and commission various EHV/HV/MV/LV electrical systems including Power/Distribution Transformers, 380/220/115/34, 5/13.8/11KV substations as per the local Authorities and IEC Standards.
  - Testing is to be witnessed by client with complete Documentation.
  - To design and implement necessary modifications on site with the coordination of Design Engineers and make them approved from client.
  - Handing over the project to the client and taking over of job completion certificate.
  - Major tests performed were:
    - ❖ Closing activities and Punch list points.
    - ❖ Trafo AVR relay functional testing includes parallel and independent mode scheme testing.
    - ❖ DC scheme testing.
    - ❖ DCDB functional testing including earth fault circuit verification.
    - ❖ Fault report investigation for tripping.
    - ❖ Earth resistance and joint stability test Lighting scheme and illumination testing.
    - ❖ Testing and Verification of protection schemes and interlocks.
    - ❖ Transformer fans and pump functional testing of 500MVA, 125MVA and 50MVA transformer both auto and manual modes.
    - ❖ CT circuit close loop circuit verifications includes relay pickup and tripping values.
    - ❖ ALS scheme testing on 13.8KV system.
    - ❖ FCL for the general alarms of DFR/DSM.
    - ❖ HVAC scheme testing.
    - ❖ Transformer TTR.
    - ❖ Transformer Winding Resistance.
    - ❖ Transformed Oil Dielectric Strength.
    - ❖ Transformer Insulation Resistance.
    - ❖ Aux/Protection relays functional checks.
    - ❖ Magnetization Current.
    - ❖ Power Factor Measurement.
    - ❖ Insulation Capacitance and Dissipation Factor of bushing.

        - ❖ Vector Group verification.
        - ❖ Calibration of Oil and Winding Temperature Gauges.
        - ❖ Short Circuit Impedance.
        - ❖ Magnetic Balance test.
- As Site Execution Engineer / Project Engineer / Site Manager:
    - To supervise the team and tenacity of issues between client & contractor.
    - To prepare measurement sheets for invoicing.
    - To deal with the client on technical issues including approval of all electrical drawings and electrical equipment.
    - To deal with the client on site execution issues.
    - To maintain proper documentation for the execution of site as per company's standards.
    - To lead as Main Testing Engineer for the execution of all testing and commissioning activities.
    - Electrical activities reporting from site to head office.
    - Electrical designing issues trouble shooting.
    - Equipment installation supervision.
    - Equipment inspections in factory area.
    - Client coordination regarding the electrical issues.
    - Substation and Grid station equipment installation and erection.
    - Protection testing of Differential, over current and distance relays.
    - Testing and Commissioning of EHV and HV, LV equipment in liaise with the client up to its satisfaction and approval for energization.
- As Primary Testing Engineer (GIS Specialist):
    - Verify the gas leakage through Gas Detector.
    - Dew Point and Gas Quality measurement of SF6 Gas.
    - First Electrical and Mechanical operations of CBs, Disconnectors, Earth Switches and High-speed Earth switches.
    - Timing Test of CB DS and ES through ACTUS AND TM1600.
    - Resistance measurement of main power circuit.
    - Polarity verification of CT.
    - Insulation test of CT and PT.
    - Interlocking and scheme verification.
    - Alarms and annunciations verifications.
    - Lockout verifications.
    - Partial Discharge measurement in Hi-pot testing.
    - CT & VT circuit verification.
    - Gas Density monitors testing.
    - HV test of GIS.
    - PD Measurements during HV Test of GIS.
- Type of Main Equipment handled:
    - Siemens GIS, 8DN8-5 - 132KV GIS Station in West Qurna, Iraq, 12 Bays.
    - Siemens GIS, 8DN8-5 - 132KV GIS Station in Matar2 Basra, Iraq, 10 Bays.
    - Siemens GIS, 8DN8-5 - 132KV GIS Station in Qalat Salih, Iraq, 10 Bays.
    - Siemens GIS, 8DN8-5 - 132KV GIS Station in Al-Mahad, Iraq, 10 Bays.
    - Siemens GIS, 8DN8-5 - 132KV GIS Station in Wahadlnd, Dubai, 8 Bays.

- Siemens GIS. 8DN8-5 - 132KV GIS Station in LATIFA, Dubai, 9 Bays.
- Siemens GIS. 8DN8-5 - 132KV GIS Station in QUDRA, Dubai, 9 Bays.
- Siemens GIS. 8DN8-5 - 132KV GIS Station in FAYROAD, Dubai, 9 Bays.
- Siemens GIS, Type 8DN8-6 - 132KV GIS Station in Layya Sharjah UAE, 27 Bays.
- Siemens GIS, type 8DQ1-6 – 380KV GIS Stations in Medina (16 Bays), Alkharj (1 Bay), Hunayan (21 Bays).
- Siemens GIS, Type 8DN8-2 – 132KV GIS Grid Station, Saggian, Lahore, Pakistan (5 Bays).
- Hyundai GIS type145SP-1 - 132KV GIS GRID Station, Sialkot, Pakistan (5 Bays).
- Siemens GIS, Type 8DA10 - 380/115/34.5KV GIS Substations in Yanbu, Saudi Arabia.
- Transformers:
  - 502MVA (380KV).
  - 125MVA (380KV).
  - 67MVA (110KV).
  - 25MVA (132KV).
  - 120MVAR Shunt Reactor (380KV).

- Projects Handled:
  - Air Insulated Substations:
    - 220/132KV AIS Grid Station Ludewala Sargodha, Pakistan.
    - 132/11.5KV AIS Grid Stations in Pakistan: Wapda Town Multan, Qasim Bagh Multan, I-16 Islamabad, G-13 Islamabad, Pindibhttian, Hafizabad, Gujrat, Aiwansharif, Phalia and Chianwali.
    - 380/115/34.5KV SS 10J and 34.5/13.8KV 101SS at Yanbu, Saudi Arabia.
    - 380KV BSP Al-khulais as Siemens representative for startup testing and commissioning of 2 Nos 380KV breakers and 8 Nos 115KV breakers.
    - National Petroleum Yanbu on transformer testing to diagnose its fault as reported of high value of Acetylene, Yanbu, Saudi Arabia.
    - 380/115/34.5KV SS JDC Remote Ends Jeddah, Saudi Arabia.
    - 132KV SVC Alkharj, Hawtat Bani Tamim, Riyadh, Saudi Arabia.
    - West Qurna -2, Iraq: 6.6KV 44 Bays, Auxiliary and Protection System Overall design scheme testing.
  - Gas Insulated Switchgear Substations:
    - Siemens GIS Grid Stations as Siemens GIS Basic Certified Specialist.
    - Madinah Central, Medina, Saudi Arabia: Voltage Level 380KV 16 Bays.
    - PP 9028, Alkharj, 380KV, 1 Bay.
    - Hunayan, Makkah, 380KV, 21 Bays.
    - Saggian, Pakistan,132KV, 5 Bays.
    - Hyundai Grid Station Sialkot, Pakistan, 132KV, 5 Bays.
    - Qalat Salih, 132KV, 10 Bays.
    - Al Matar -2, 132KV, 10 Bays.
    - Al-Mahad, 132KV, 10 Bays.

- ❖ West Qurna -2 132KV, 10 Bays / 33KV, 14 Bays.

- As Siemens HV Testing Engineer:
  - Siemens External Project, Client MEEDCO, Hyundai on the GIS make Hyundai, voltage level 380KV, no of diameters 3, max injecting voltage 515KV.
  - Siemens External Project, Client Al-Babtain Contracting on the GIS make Hyosung, voltage level 145KV, no of bays 12, max injecting voltage 515KV.
  - Siemens Projects Pakistan Saggian 132KV, max Injecting Voltage 245KV.
  - Siemens Projects Qalat Salih, 10 Bays, Iraq, max Injecting Voltage 245KV.
  - Siemens Projects Al-Matar, 10 Bays, Iraq, max Injecting Voltage 245KV.
  - Siemens Projects Al-Mahad, 10 Bays, Iraq, max Injecting Voltage 245KV.