

AHMAD BILAL SIDDIQUE

Project Engineer – OHTL Construction & OHTL/Substation Engineering and Design Coordination for SEC/ARAMCO Projects

+92 336 4159157 • ahmadbilal9740@gmail.com • pk.linkedin.com/in/ahmadbilalsiddique

Personal Information

DATE OF BIRTH 09th December 1998
NATIONALITY Pakistani
CIVIL STATUS Married

Education

DESCON TECHNICAL INSTITUTE (with distinction 180/200) Lahore, Pakistan
NEBOSH IGC 2020
UNIVERSITY OF ENGINEERING AND TECHNOLOGY LAHORE (3.508/4.00) Lahore, Pakistan
Bachelor of Petroleum & Gas Engineering 2015-2019
GOVERNMENT COLLEGE UNIVERSITY LAHORE (87.45%) Lahore, Pakistan
Intermediate of Pre-Engineering 2013-2015

Key Licenses and Certifications

Pakistan Engineering Council – Registered Engineer
NEBOSH – International General Certification in Occupational Health and Safety
IWCF – Level 1
WOCRM
HSK - Level 1

Experience

Global Hi-Tech Engineering Consultants

(JV of GHE and Saudi Designers Engineering Consultancy, KSA) Lahore, Pakistan

A Lahore based Engineering and Design firm with expertise in OHTL and Substation Projects both in Pakistan and Gulf specially with SEC and Saudi ARAMCO

Project Engineer/ OHTL and Substation Engineering and Design Coordinator: April 2021-Present

– Integration of 132kV Network with Al-Baha BSP:

Managed all aspects of the project. This is a design project which includes the design and engineering of OHTL, Primary Design & Protection modification of 5 Substations. The OHTL Portion included one 8 km 132kV D/C OHTL and two Loop in Loop out OHTLs of 4 km each.

- *Understanding complete scope of Project.*
- *Coordination with the client for site survey and topography as per SEC practices and standard.*
- *Preparation of Route Map Drawings and submission to client.*
- *Preparation of Sag/Tension Calculations for conductor and OPGW and submission to client.*
- *Preparation of Plan & Profile from respective engineers and designers and submitting to the clients.*
- *Preparation of Tower Foundation Design and Calculations from in-house teams and submission to client.*
- *Coordination with client and SEC online for their comments and resubmission of revised packages.*
- *Preparation of general Layouts, Power and FO Cable routing layouts, Key Maps of Substations involved and submission to client.*
- *Preparation of SLDs, Signal Point lists, CT/VT Sizing Calculations, PLDs for all the involved Substations and submission to client.*
- *Leadership: Efficiently led a team of engineers in order to prepare and submit the deliverables with highest quality and within the prescribed dead-lines.*
- *Client Management: Handled Saudi Arabian clients, solved their technical issues, responded to their concerns in a timely and efficient manner through presentations and meetings.*

- *Team Management: Managed team for every aspect of the project i.e. OHTL, Primary and Protection.*
- **Integration of 132kV Network with Najran-2 BSP:**
Managed all aspects of the project. This is a design project which includes the design and engineering of 52 km of OHTL, retrofitting of 33 km OPGW, Primary Design & Protection modification of 5 Substations.
 - *Understanding complete scope of Project.*
 - *Coordination with the client for site survey and topography as per SEC practices and standard.*
 - *Preparation of Route Map Drawings and submission to client.*
 - *Preparation of Sag/Tension Calculations for conductor and OPGW and submission to client.*
 - *Preparation of Plan & Profile from respective engineers and designers and submitting to the clients.*
 - *Preparation of Tower Foundation Design and Calculations from in-house teams and submission to client.*
 - *Coordination with client and SEC online for their comments and resubmission of revised packages.*
 - *Preparation of general Layouts, Power and FO Cable routing layouts, Key Maps of Substations involved and submission to client.*
 - *Preparation of SLDs, Signal Point lists, CT/VT Sizing Calculations, PLDs for all the involved Substations and submission to client.*
 - *Client Management: Handled Saudi Arabian clients, solved their technical issues, responded to their concerns in a timely and efficient manner through presentations and meetings.*
 - *Team Management: Managed team for every aspect of the project i.e. OHTL, Primary and Protection.*

MARTECH ENGINEERING AND CONSTRUCTION

Lahore, Pakistan

A fast growing engineering company specializing in construction and transmission line projects.

Construction Manager: May 2020 - March 2021

- **660 kV HVDC OHTL – Matiari - Lahore:**
Managed multiple sites under Matiari-Lahore HVDC Project. This is a project of State Grid of China and NTDC and comes under the Banner of CPEC. Got a chance to groom myself professionally by working together with Chinese engineers from CET.
 - *660 kV HVDC Tower Erection and Assembly for 510 Towers in Lot-7 and 8.*
 - *Stringing activity of 660 kV starting from Lot-7 at Hasilpur till Head Balloki (232 km) in 10 months. (Record Breaking Progress in Covid Period)*
 - *Foundation work for HVDC Electrode Lines.*
 - *Tower Assembly and Erection work for 150 Towers at HVDC Electrode line from Head Balloki Converter Station to Pindi-Chiri Electrode Station.*
 - *Stringing for 25 km HVDC Electrode line from Head Balloki Converter Station till Pindi-Chiri Electrode Station.*
 - *Leadership: Led a team of more than 300 people including engineers, foremen, supervisors and labor.*
 - *Crew Management: Managed multiple crews, solving problems and distributing respective duties.*
 - *Coordination with NTDC and Land-Owners for solving ROW issues.*
 - *Time Management: Completed the assigned projects well before the given time limits with the help of hardworking teams and proper planning.*
 - *Resource Management: Managed a large number of company vehicles on site including cranes, excavators and boom trucks, Tower Stringing and Erection T&P and managed their usage for utmost productivity.*
 - *Permit Receiving from different authorities like Pakistan Railways, Highway Departments for OHTL Crossing and LESCO/MEPCO Permits for outages and line crossings.*
 - *Accounts Management: Managed all the expenses on site including everything from material purchasing to fuel with proper record.*

– **Survey of OHTLs in different Areas of Pakistan:**

Managed a large number of teams for survey across 28 different transmission lines in Pakistan. This project was allotted by NTDC to CMEC and ABB and was Sublette to Martech Engineering and Construction. The purpose of this survey was to collect technical data of OHTLs before retrofitting of OPGW.

- Detailed topographical survey of more than 1000 km of Transmission Lines in different areas of Pakistan.
- Measurement of crucial components of each tower in every line.
- Drone Pictures of each tower in every line.
- Identification of type of conductor, hardware and towers in each line.
- Preparation of Sag Curves for each line.
- Identification of any type of damage to towers/foundations or conductor/OPGW.
- Permit Receiving from different authorities like Pakistan Army, Tarbela and Mangla Dam authorities, MEPCO, FESCO and IESCO.
- Compilation of all the collected data, analyzing it and preparation of complete package for submission to the client.
- Crew Management: Managed more than 6 teams in every aspect and completed the project efficiently and safely.
- Client Management: Handled Chinese clients, solved their technical issues, responded to their concerns in a timely and efficient manner through presentations and meetings.

MARI PETROLEUM COMPANY LIMITED

Daharki, Pakistan

A leading national oil and gas operator company in Pakistan

Intern: July 2018-September 2018

- Dehydration Plant: Overview of the working of the dehydration plant along with its line tracing.
- Gas Compressor: Studied the working principle of gas compressors and their types.
- Wells Experience: Observed the drilling operation, the mounting of SSSV, BOP testing and POOH. Also studied the Christmas tree, corrosion inhibitors, hydrate formation prevention.
- SCADA System: Working of the SCADA system, main control room operations.

SOCIETY OF PETROLEUM ENGINEERS

Lahore, Pakistan

An international platform for grooming and providing social bonding opportunities to students with the industry.

Director Public Relations: October 2018-April 2019

- Leadership: Heading team of PR, supervising and grooming my subordinates.
- Communication: In contact with a large number of international student chapters as well as with our industrial personnel.

Assistant Director, Public Relations: December 2017-September 2018

- Event Management: Corresponding with the university administration and participants of different events held by the society.
- E-mentorship: Started the E-mentorship program in the society for the first time.

UET X-News

Lahore, Pakistan

The first official news portal of UET Lahore

Member Public Relations: May 2017-June 2018

- Socializing: Inter-society and administrative coordination within the university.
- Video Editor: September 2017-June 2018
- Composing: Composed multiple videos about different departments of the university.

Academic Activities

COMPARISON OF CO₂ AND N₂ INJECTION FOR ENHANCED COAL BED METHANE (CBM) RECOVERY

Final Year Project

Member

- Time Management: Performed my assigned tasks well in time and submitted the report to leader accordingly.

- *Teamwork: Helped other members in their work as well.*
- *Future Prospects: Potential reservoirs to be exploited in the near future with respect to depletion of conventional reservoirs and also for environmental pollution mitigation.*

Honors and Awards

COMPETENCE

- Among the high achievers of Garrison School System throughout Pakistan.
- Promoted to Director PR at SPE UET through hard work and dedication.

Additional

- *Skills:* MS Word, MS Excel, MS PowerPoint, AutoCAD, Micro Station, Adobe Illustrator, Adobe After effects, Basic Knowledge of PLS CAD

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