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MUHAMMAD SAJEEL MAHMOOD

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Cell No: +923467163085, +923077790996
P. Address: Street No. 08, Sadeeqabad Colony No. 01, Back side Chowk Farooq pura, Old Shujabad Road Multan, Punjab, Pakistan.

Objective:

Working in a competitive environment, using my skill set and analytical approach, to the best of my ability, to help the organization achieve solutions and meet targets gracefully, helping the organization grow and in the process enhance my overall development as an individual.

Career Summary:

I have many years of progressively responsible experience in electrical installation, testing / commissioning and fault handling works of 220/132/11kV Substations. Strong leadership, team-building and problem solving expertise.

Areas of expertise include:

- Preparation review of complete interconnection and wiring schematic diagrams of 220/132/11kV Grid Stations.
- Cable Sizing, Cable Scheduling and preparing of Termination Plans according to specifications and site requirements.
- Supervision of all type demarcation, installation, cable laying, wiring and circuit verification work of EHV/HV Substations.
- Current and Voltage Transformer Circuits for all Protection and Metering Schemes and perform Secondary and Primary Injection.
- Having hands on experience of Testing & Commissioning of all HV Equipment i.e. Power Transformers with OLTC, Circuit Breakers (SF6 & Vacuum), Current Transformers, Potential Transformers, Disconnectors/Isolators, Switchgears, Control, Protection and all Auxiliary Equipment.
- Experience of handling a project with self-responsibility with proper co-ordination and co-operation within a company structure. Also having Liaison & close Co-ordination with the client.
- Hands on experience of Erection of Towers, Gantry and Transformer of 220kV &132kV.
- Tripping analysis and recommendation of remedial measures to reduce tripping in future.
- Testing & commissioning of protection equipment and switchgears.
- 220/132 KV Grid Station, Toba Tek Singh, I Supervised the work of Cable Laying and Termination of Switch Yard equipments (T/F, Transmission Line, CB, ISO, CT, PT, CVT,CCVT) all equipments controlled Local, Remote & auto with protection. Termination of all type of Control panels & Relay panels (make Siemens, ABB, Areva, PEL, GE) along with Testing and Commissioning has been completed successfully.
- I have worked 6.6KV Solar Power System, including Charge Controller, Inverter 8548 (Schneider Electric Company) and Dry Batteries (Power Sonic Company)

MUHAMMAD SAJEEL MAHMOOD
ELECTRICAL ENGINEER

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Education

- **MS in Electrical Engineering from COMSATS Institute of Information Technology, Wah Cantt. (Approved from Higher Education Commission) 3.53/4.00**

  MS Thesis Title: - Efficient PMU Placement for complete system observability in power grids.

- **B.Sc in Electrical (Power) Engineering from UCET, The Islamia University of Bahawalpur. (Approved from Higher Education Commission & Pakistan Engineering Council, PEC Registration # ELECT/36933) 2.94/4.00 Session 2008-2012.**
- **F.Sc in Pre-Engineering from B.I.S.E. Multan. 746/1100 Session 2006-2008.**
- **Matric in Science from F.B.I.S.E. Islamabad. 821/1050 Session 2004-2006.**

Special Courses / Diploma / Training:

- Internship at Northern Power Generation Company LTD, NGPS Piran Ghaib, Multan from 21-07-2011 to 20-09-2011.

Experience:

Employer:	**JKS Pvt Ltd**
Designation:	**Service Engineer**
Duration:	**05-12-2016 to date**

Duties:

My work is to install the new back-up Inverter system (Schneider Electric Company) to the different branches of ABL, HBL & UBL in Multan Region. I attend any fault related to this system & also monthly visit to check the overall performance of this system. I have also work on 6.6 KV Solar Power System Projects including new installation and gives services after installation.

Employer:	**Incotel Engineering Services**
Main Client	**Coca Cola Beverages Pakistan Ltd**
Project:	**Operation & Maintenance of 132 KV Grid Station, MGF, Multan.**
Designation:	**Shift Supervisor**
Duration:	**04-06-2015 to 31-01-2016**

Responsibilities:

Fully Involved in the Testing & Commissioning of 132/11 KV Grid Station Coca Cola Plant, Multan

Transformer Test:

I. Transformer Turn Ratio Test

II. C&DF Test

III. Short Circuit Test

IV. Open Circuit Test

V. Megger Test

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VI. Dissolve Gas Analysis (DGA) Test

SF6 Circuit Breaker Test:

I. Dew Point Test,

II. Contact Resistance Test,

III. Timing Test

IV. Gas Purity Test.

132/11KV Protection System Tests:

I. C.T. Circuit + Ratio Test,

II. Earthing Test,

III.C.T. Megger Test,

IV. 11KV P.T. Test,

V. Bus-bar 11KV Megger Test,

VI. VCB Megger Test,

VII. Hi-pot of Trally Test,

VIII. Distance Relay Test,

IX. Differential Relay Test,

X. Over Current Relay Test

XI. Stability test of Differential Relay Test.

SAFETY Conscious:

Fully aware of industrial safety and Permit-To-Work (PTW) system for personal safety as well as plant safety or emergency handling. Follow the SAFETY procedure standards like Housekeeping, Work Permits, Fire fighting, Confined spaces, Excavations work, First Aid and uses of PPE (Personal protective Equipment), Incident/Accident investigation.

Operation Duties:

Supervise the Shift Operation of Grid Station. Taking Reading and Operating Switch Gears. Also perform the Scheduled Maintenance on Daily, Weekly, Monthly, Quarterly, 6 Months & Yearly Maintenance. Trouble shooting of faults accurse in Switch Yard and Control Room. Open and close the feeders as per advice of Coca Cola and Wapda Authorities.

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ELECTRICAL ENGINEER

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Employer:	**Hyundai Engineering Thailand co. LTD**
Main Client	**SDF SUEZ ENERGY (UCH POWER STATION)**
Project:	**Shut Down of Uch-II Power plant (CCPP) 404MW DMJ, Baluchistan,**
Designation:	**Assistant Electrical Engineer**
Duration:	**01-03-2015 to 30-03-2015.**

Responsibilities:

Fully Involved in the Shut down of following Systems of 404 MW UCH-II Power Expansion Project

I. Transformers 199 & 211 MVA (Siemens)
II. Switch yard 220 KV - 1½ breaker scheme (ABB),
III. Steam Turbine-133 MW (Fuji Electric Japan)
IV. Gas Turbine-126 MW (GE Frame 9E)
V. Generator circuit breaker (ABB)
VI. Isolated Phase Bus Ducts (Alfa Standard)
VII. MV/LV Switchgears (Schneider electric)
VIII. MV/LV Motors (ABB, Hyundai, Siemens)

LV/MV Switchgear:

I. Preventive Maintenance, Meggering of Power center and Motor Control Center, Contacts Replacements, Contact Cleaning. Checking of Mechanical interlocks & Mechanism, Inception Assembling Disassembling, Arcing Contacts, arc Chutes & testing Breaker contacts, By SIEMENS, ABB, NMG. Pan Electric, Martelli, CEI
II. SF6 Circuit Breakers
III. Air Circuit Breakers
IV. Vacuum Circuit Breakers.

LV/MV Motors:

Preventive maintenance Troubleshooting, Meggering, Stator Washing, Heating, Bearing Replacement and Overhauling of Medium and Low voltage motors various capacities up to 2.15 MW (Made by ANSALDO, SEIMENS, and ABB etc)

Personal Information:

Father Name:	Mahmood-ul-Hassan	Date of Birth:	15-10-1991
Marital Status:	Married	CNIC #:	36302-8956175-1
Nationality:	Pakistani	Passport #:	WJ0151752