## C:\Users\Ahsan\Downloads\528826_234071006690911_1118557810_n.jpgMUHAMMAD (Ph.D. MS/M-Phil, B.Tech hons)

**The Membership of Institute of Electrical & Electronics Engineers (IEEE)**

* Muhammad.343935@2freemail.com

**EDUCATION & PROFESSIONAL QUALIFICATIONS:**

**ZHEJIANG UNIVERSITY** Hangzhou, China

Ph.D. in “Electrical Engineering” 2017-Present

Specializations in “Power System Analysis”

**INDUS UNIVERSITY** Karachi, Pakistan

MS/M-Phil – Master of Science in “Electrical” 2014-2016

Specializations in “Power System Analysis”

* Passed with overall “FIRST” Division (Gold Medalists)

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| **NED UNIVERSITY OF ENGINEERING & TECHNOLOGY**B-Tech (Hons) – Bachelors in “Electrical Technology”* Graduated with “FIRST” Division (Second Position)
 |  Karachi, Pakistan 2009-2011 |
| **NED UNIVERSITY OF ENGINEERING & TECHNOLOGY**B-Tech (Pass) – Bachelors in “Electrical Technology”* Graduated with “FIRST” Division
 |  Karachi, Pakistan 2006-2008 |
| **GOVT. COLLEGE OF TECHNOLOGY S.I.T.E.**D.A.E - Diploma of Associate Engineer in “Electronics Technology”* Passed with overall “FIRST” Division
 |  Karachi, Pakistan 2001-2004 |
| **C.M.S. GOVT. BOYS SECONDARY SCHOOL**Matriculation with “Computer Science”* Passed with overall “C” grade (52% Marks)
 |  Karachi, Pakistan 1998-2000 |

**EXPERIENCE:**

**K-ELECTRIC LIMITED.** Karachi, Pakistan

**Formerly K.E.S.C. – Karachi Electric Supply Corporation Limited.** 2009-2017

**West Wharf Grid Station (Power Plant)**

**Transmissions & Distribution**

* **Electrical Engineer**
* Maintaining the swift operation of 132 kV Grid Station.
* Carrying out preventive and breakdown maintenance of different Auxiliaries.
* Assist and update maintenance manager regarding Plant Performance.
* Site Tests before Connection of Incoming Supply.
* Have worked on 220 kV, 132 kV & 11 kV Switchgears & also worked on Motors & Generators.
* Repair and maintenance of HT & LT side faults occur in Plant.
* I have also worked on Battery chargers, AC & DC Lighting Distribution Panels.
* Ensure the proper maintenance and updating the documents log sheet of load and files.
* Prepare equipment for maintenance and inspection (for example, shut down, lock out and restart).
* Taking of Shutdowns from Clients and executing the same within the time frame allotted.
* Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.
* I am also working 11kV Grid Station Maintenance, Includes SF6 Breakers at end and on outgoing Feeders. A Shutdown arranges for maintenance and servicing of Isolators, PT’s, CT’s, Wave Trap & Lighting Arresters.
* Thorough knowledge of the operation, uses, materials, methods and equipment used in the Operation, Installation, Maintenance and Repair of Electrical Transmission & Distribution.
* Thorough knowledge of the occupational hazards of working with high and low voltage electrical equipment and necessary safety precautions.
* Successfully completed various 132kV Cable Shutdown works (NOD) of various clients within the specific time frame allotted and also up to the satisfaction of the Clients.
* Preparation of Weekly Testing Schedule & giving Programs to Clients & Consultants to arrange witness and to execute weekly Testing Activities.
* Monitoring the Testing Activities & providing Monthly Testing Activities done to the Management for assessments.
* Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
* Well versed in Dealing with Power factor Improvements Plant.
* Operational support including review of procedures, best practices, and maintenance initiatives.
* To monitor operation & maintenance of utilities.
* Must be quick in identifying problems and take corrective steps to resolve the issues.
* Ensure Safety and environmental standards in daily plant activity.
* Site Tests after Connection of Incoming Supply.
* Acquire on Technical Knowledge of all related equipments.
* Visual Operation for all Power Plants.
* Must have excellent work ethics.
* Must be willing to work in shifts.
* Provides engineering information by answering questions and requests.
* Experience in power system reliability and risk assessment studies.
* Experience with power management and power monitoring systems.
* Knowledge and experience with large scale power systems.
* Certification in the relevant field is preferred.
* Maintain Engineering standard within department.
* Supervision of Work forces.

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| **J & P – Johnson & Phillips (Pak) Ltd.** **images2.pngTesting / Quality Control Department** |  Karachi, Pakistan 2006-2008 |
| * **Assistant Engineer**
* Comprehensively Experience for the inspection & Quality Control Department particularly the following.
* Acquire following Test on Power Transformer any rating.
* Copper Loss, Iron Loss, and Ratio & Polarity, Winding Resistance, Flash Test and Double Frequency Test on Transformer of up to 2500 KVA.

Transformer Oil Tests, Dielectric Strength Test, Density Test, Viscosity Test & Flash Point Test, Temperature-rise limit Test, Impulse Test, Meggar Test, Transformer Turns Ration (TTR), Contact resistance Test (Ductor Test).* Current Transformer, Potential Transformer, Ratio & Polarity Test, Insulation Test, Phase Sequence Test.
* Testing of High Voltage & Low voltage for HT Switchgears Panels.
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**SKILLS:**

**Computer Skills:**

* Proficient PC & MS Office applications user.
* Proficient AutoCAD 2D & 3D.
* Internet.

**HOBBIES:**

* Reciting Holy Quran.
* Reading Books.
* Playing Cricket.
* Watching Television.

**LANGUAGES:**

* English.
* Urdu.

**PERSONAL INFORMATION:**

* Date of Birth : 12th-August-1984
* CNIC No. : 42301-9261960-1
* Domicile / PRC : Karachi (Sind)
* Marital Status : Married
* Religion : Islam
* Nationality : Pakistani
* Gender : Male