

Khurram Shehzad

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OBJECTIVE: I want to establish myself as a complete Engineer, equipped with latest tools, techniques and knowledge that will enable me to handle emerging technologies and prove myself as a valuable resource for the company.

SUMMARY:

- Graduation in B-Tech (Hons) in Electrical Engineering (2007 - 2011)
- Dean list award with GPA of 3.5 on a 4.0 scale.
- Projects including final project and mini projects
- Engineering Accreditation Certificate (Saudi council of Engineers SCE)

- Experience in SPTC/ CGPSSA (SAUDI POWER TRANSFORMERS COMPANY) as a **Test Bay Engineer** in Quality department. (September, 2014 - Todate) 
شركة محولات الطاقة السعودية
SAUDI POWER TRANSFORMERS COMPANY
- Experience in CGPSSA (CG Power Solutions Saudi Arabia/ SPTC) as a **Service Engineer** (July, 2012 - September 2014) 
CGPSSA
Smart solutions.
Green engineering.

- Experience in PAK ELEKTRON LIMITED PEL (Inspection Quality and Testing of Distribution/ Power Transformers and Servicing department) (January, 2004 – August 2012)
- Experience in PEL as a supervisory of different sections of Transformers

- Professional experience: more than 12 years

EDUCATION:

B-Tech (Hons) in Electrical Engineering	Cum. GPA 3.5	Feb, 2011
Preston Institute of Science and Management Technology, Karachi (Recognized by Higher Education Commission HEC, Pakistan)		
B-Tech (Pass) in Electrical Engineering	Cum. GPA 3.5	Feb, 2009
Preston Institute of Science and Management Technology, Karachi (Recognized by Higher Education Commission HEC, Pakistan)		
D.A.E. (Electrical Engineering)		
G.C.T. Sahiwal, PBTE Lahore.	DIV. 1 st	Dec, 2003
Matriculation (Science)		
M.C. Boys High School, BISE Lahore.	DIV. 2 nd	Jun, 1999

EXPERIENCE:

1. Test Bay & QA control Engineer (Saudi Power Transformers Company)

(September, 2014 to Present)

- Complete Stage Wise Inspection & Electrical Testing (High & Low Voltage) of Power Transformers SPTC
- Testing, Commissioning, Installation responsibilities regarding Power Transformers manufactured by Saudi Power Transformer Company
- Testing of Power Transformers oil as per IEC-60296 & IEC-60422
- Documentations according to ISO standards.
- Study of oil DGA test reports.
- Command on testing of Power Transformers performing Routine, Type and Special Tests as per IEC-60076 & related specifications.
- Quality Inspection of assemblies and sub-assemblies of Power transformer at different stages including testing where it's necessary.
- Inquiries of test field equipments.
- Incoming materials testing and inspection in accordance with IEC and related standards, i.e. Copper, Insulation, Silicon steel sheet...

1.1 New supplier development visits:-

- ISCON/ TECHCON Aljabel industrial city Dubai
- LTC LEGNANO Aljabel industrial city Dubai
- Arabian Gulf Company AL-HASA SA.
- NSH Company 2nd industrial area, Dammam
- WESCOSA and STC 1st industrial area, Dammam

1.2 On-going/ running projects in SPTC

- **Short Circuit Units** 34.5/ 13.8 KV and 115/ 13.8 KV
- **ARAMCO Projects**

SEPCO 40MVA	8Units
SEPCO 80MVA	4Units
SAIPEM 30MVA	4Units
SAIPEM 60MVA	1Unit
SAIPEM 67MVA	4Units
Target 60MVA	2Units
Foster Wheeler 80MVA	4Units
China Harbour 66.5MVA	2Units
Technicas 63MVA	4Units
- **Saudi Electricity company projects SEC**

National Grid 60MVA	1Unit
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1.3 Completed Projects/ Tasks during job in Saudi Power Transformer Company SPTC

(September, 2014 to Present)

- **Routine, type and special tests as per ANSI/ IEEE C57 and related specifications (for ARAMCO, SABIC)**

67MVA Transformers AL-YAMAMA	2Unit
63MVA Transformers TECHNICAS	4Unit
33MVA Transformer RASTANURA	1Unit
30/ 40/ 50MVA Transformers AL BAYRONI JUBEL	2Unit.

- **Routine, Type and Special Tests as per IEC-60076 & related specifications (for Saudi Electricity Company SEC)**

25MVA Transformer (Hudaib project)	2Units.
20 32/ 40MVA Transformer (National Grid project)	1Unit
40MVA Transformer (MAKKA repair project)	1Unit
53MVA Transformer (KFIA project)	1Unit
25/ 30 MVA Transformer (MEENA project)	1Unit
20MVA Transformer (Distribution project)	4Unit.
13/ 20MVA Transformer (Kanoo repair distribution)	1Unit

- **Ghazlan Power Plant GT-7 864MVA, 400KV/ 23KV**

- Replacement of HV bushing
(Bushing type GOEK 1425 ABB, OIL To SF6)
- Measurement of capacitance and tan delta BUSHING GOEK 1425
- Complete site testing of 864MVA transformer before & after replacement
- Supervision of Filtration machine & vacuuming machine.
- Supervision of Oil sampling for DGA

2. Service Engineer (Crompton Greaves Power Solutions Saudi Arabia CGPSSA/ SPTC)

(July, 2012 to September, 2014)

- Testing, Commissioning, Installation, Erection responsibilities regarding Power Transformers manufactured by SPTC (Saudi Power Transformer Company)
- Attending Customer Complaints related to Power Transformers
- Minor & Major PM (Preventive Maintenance)/ Annual Maintenance of Transformers and Circuit Breakers in Dammam, Ghazlan, Al-hasa, Dhahran, Thouqba, Berri, Juayma and Al-Jubail Power Plants.
- Study of oil DGA test reports.

2.1 Completed Projects/ Tasks during job in CGPSSA

(July, 2012 to August, 2014)

Dammam Power Plant:

- Cable Installation and testing of Power Transformer GEN Tx.11 (25MVA)
- Megger test on Air Circuit Breaker T-502

Dammam Power Plant:

- Major PM (Preventive Maintenance) of Power Transformer GEN Tx.9 (35MVA) & 7 (18.8/ 25MVA) and also made test reports for customer.
- Annual PM of Oil Circuit Breakers 06 Nos.
- Proper termination of wiring cables (25MVA Transformer)

Ghazlan Power Plant:

- Oil sample for DGA
- Refurnished 25MVA Transformer.

Dhahran Power Plant:

- Replaced all gaskets and performed Low voltage testing of 167MVA Trf. (T-701) and also made test reports for customer.
- Supervision of Filtration machine & vacuuming machine.

Dhahran Power Plant:

- Replaced all gaskets and performed Low voltage testing of 167MVA Trf. (T-702) and also made test reports for customer.
- Supervision of Filtration machine & vacuuming machine.

Thoqba Power Plant:

- Replaced all gaskets and performed Low voltage testing of 280MVA Trf. and also made test reports for customer.

- Operated the equipments Filtration machine & Vacuum machine myself.

SCHLUMBERGER

- Major PM plus testing of 1.5MVA Transformer and also made test reports for customer.

Qassim Cement Factory

- Dismantled 100 MVA Transformer and transported it to Dammam – our factory SPTC for replacing the damaged coil.
- Performed Low voltage testing.

Qassim Cement Factory

- Installed the Repaired trf. 100 MVA after replaced the coil and in-house testing.
- Performed Low voltage testing at site.

Furnace Transformer

- Dismantled 6.6 MVA Transformer and transported it to Dammam – our factory SPTC for replacing the damaged coil.
- Performed Low voltage testing.
- Removed the off-load tap-changer lever for technically.

Arab Steel Company:

- Replaced the damaged gasket and performed Oil Breakdown testing of 300MVA Transformer.
- Operate the equipment Filtration machine for Oil circulation.

Arab Steel Company:

- Oil Circulation of 61MVA Trf.
- Operate the equipment Filtration machine for Oil circulation
- Performed Oil Breakdown.

Erection/ Installation of 25MVA Aux. Transformers (2Nos.) at Najran (Manufactured by: - Saudi Power Transformers Company SPTC)

- Complete Erection/ Installation of UAT-11 & 12.
- Supervision of Filtration machine & vacuuming machine.
- Troubleshooting of Thermostat fault and Setting of gradient temp. HV & LV
- Repairing of the damaged Oil level gauge support structure in Conservator.
- Resolved the problem of Atmosial bag tripping UAT-11.

Erection/ Installation of 25MVA Aux. Transformers (2Nos.) at Sharura (Manufactured by: - Saudi Power Transformers Company SPTC)

- Complete Erection/ Installation of UAT-4 & 5.
- Supervision of Filtration machine & vacuuming machine.
- Repairing of the damaged LV Cable box and Cable duct at site.

Erection/ Installation of 25MVA Aux. Transformers (2Nos.) at Wadi Aldawasar

(Manufactured by: - Saudi Power Transformers Company SPTC)

- Complete Erection/ Installation of UAT-13 & 14.
- Supervision of Filtration machine & vacuuming machine.
- Resolved the problem of Atmosseal bag UAT-13 & 14.
- Installed the out-door CT's in LV Cable box.

3. Engineer Testing & Inspection of Transformers, Inspection and Quality Control (PD) Dept., Pak Elektron Limited, Lahore.

(Jan 2006 to July 2012)

- Complete Stage Wise Inspection & Electrical Testing of Power & Distribution Transformers
- Command on testing of Power & Distribution Transformers performing Routine, Type and Special Tests as per IEC-60076 & related specifications.
- Quality Inspection of assemblies and sub-assemblies of transformer at different stages including testing where it's necessary.
- Attending customer inspections for distribution and power transformers.
- Commissioning and servicing responsibilities, attending issues regarding commissioning of power and distribution transformers.
- Expertise in testing of transformer oil as per IEC-60296 & IEC-60422
- Documentations according to ISO standards.
- Inquiries of new test field equipments.
- Development of existing test field regarding oil test lab in PEL.
- Experience of testing of incoming materials in accordance with IEC and related standards, i.e. Copper Wire, Silicon Steel Sheet, Insulators, Hardware Material etc.
- Well-experienced in in-house coordination and dealing with clients during inspection.
- Basic knowledge of Switch Gear and CTPT Section.

4. Supervisory Experience in Different Sections of Transformers.

- **Winding sections:** Layer, Foil, Packet and Disk (HV/LV)
- **Core section:** slitting machine, staking, etc
- **Final Assembly Section:** furnacing/aging, oil filling and assembly of major and minor parts transformer
- **Welding Section:** Mig and Arc Welding, CNC Cutting & Punching Machine, Bending Machine
- **Paint Section:** Short Blasting, Sand Blasting, Powder Coating, Surface Treatment of Tanks and Cover Plates.

** Making efficiency improving calculations of man-hour to do maximum in least time as well as maintaining economical cost of materials.*

5. Maintenance Experience In Transformer Plant

- Machinery troubleshooting in Core, Winding, Final Assembly, Welding and Paint Sections
- Taking regular preventive measures and performing related checklist on daily and weekly basis.
- Regular and responsible compilation and reporting to the senior officer.
- Accountable for in time reporting and maintaining of related equipments to prevent any related failure and loss.
- Maintenance of Testing Deptt. in particular.

6. Assistant Engineer Testing & Inspection of Energy Meter Plant, Product Lab & Testing (PD) Dept., Pak Elektron Limited, Lahore. (Jan 2004 to Dec 2005)

- Sample testing for customer
- Perform type test for customer
- Preparation of prototype samples against every new tender
- Calibration of all meter test equipment/ benches (periodically)
- To check the accuracy curve of single/ three phase energy meter on daily basis
- To analyze the quality rejected meters
- Routine inspection of single/ three-phase energy meter in testing and calibration section.
- To assist the Sr. product engineer regarding new development.

Professional Membership:

- Member of Saudi Council Engineers as a **Electrical Engineer Degree** (Membership no. 130554)
- Introduction Letter “**To Ministry of Transport**”

Record of Appreciations:

- **Hard working** received from **ALTOUKHI** Site Manager, P/P Najran.
- **Extraordinary efforts** received from **Electrical Engineer of Saudi Electricity Company SEC**, P/P Najran.
- **Excellent work** received from **SPTC** Vice President - Operations and Production Manager

COMPUTER SKILLS:

- AUTOCAD 2006/MS Office, 2003 & 2007
- Assembly/C/C++
- Lab View/ Matlab
- Electronic Work Bench/Pspice/Circuit Maker
- ERP Oracle/MRCS operating

TRAININGS:

- Certified Quality Control Training on transformer testing, Raw Material testing and Process on Floor techniques
- Present with impact
- Communication power
- Emergency rescue training by Rescue 1122
- Civil Defense Training
- Take the challenge
- Training on manpower building (Taameer-e-Nau)
- MS Office 2003
- Thumbs Up-Motivating Teamwork Training

ACTIVITIES:

- Make hobby circuits
- Read newspaper and journals
- Gaze at games and documentaries
- Play cricket, Snooker
- Book reading and Traveling
- Internet surfing

PERSONAL INFO:

DOB:	Dec 14, 1981
Father's Name:	Maqbool Ahmad
Passport no:	SD5143792
Driving License holder:	KSA
Iqama no.	2327706947
Marital Status:	Married
Domicile:	Punjab
Nationality:	Pakistan
Languages:	English, Urdu, Punjabi, Hindi and Arabic

REFERENCE:

Will be provided on demand.