



M.SAJJAD KHAN

Discipline: Electrical Engineer

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➤ **Objectives:**

To establish myself as a dynamic professional, equipped with latest tools, techniques and knowledge that will facilitate me to handle emerging technologies. In particular I want to work in learning and demanding environment that will offer me an opportunity to exploit my current skills and to develop new ones.

➤ **Education:**

▪ **B.Sc. Electrical Engineering**

Cecos University of engineering & emerging sciences Peshawar, Pakistan.

Division: 1st

Duration: 2011 to 2015

▪ **Pre-Engineering**

Peshawar Model Degree college Peshawar, Pakistan.

Division: 1st

Duration: 2010 to 2011

▪ **Matriculation**

University Public School Peshawar, Pakistan.

Division: 1st

Duration 2009 to 2010

WORK EXPERIENCE

1: I have experience of **Fertilizer Plant** (Power House (Gas turbine, Steam Turbine, Diesel Generator, Gas Engine), Utility and Housing Colony). Spares and consumables Procurement for Electrical department Technical store equipment's and housing colony according to inventory consumption through Enterprise Resource Planning (ERP) with Oracle.

Responsible for implementation of safety plan to avoid accidents during maintenance work both in field, housing colony and workshops. Preparation of Budget (OPEX & CAPEX) for Electrical department.

Experience of power Generation, transmission and distribution Systems, Variable Frequency Drives, Variable voltage Frequency Drives, MV and LV Distribution system, Transformer, Induction Motor, Circuit Breakers (VCB, OCB & ACB), Single Line Diagrams, Housing colony of AGL (Agritech Ltd) daily maintenance activities etc.

2: Solar Design Engineer:

I have the experience in designing of solar system for water supply scheme and supervision of pre supply test and post supply testing in the field, my responsibilities in this job was checking the Analysis and calculation of power watt (KW) coated by the supplier and checking the electrical drawing, coordination with team members in with concerned department, attending coordination meeting, implementation of work according to the specification provided by the Concerned Department.

➤ Professional Experience: (2.9 Years)

1- Organization: AGRITECH Limited (Formerly PAK American Fertilizer Ltd) Dist. Mianwali

Designation: Maintenance Engineer.

Tenure: 2nd January 2017 to 31st May 2018.

● WORK DESCRIPTION / DUTIES:

As an **Engineer** I have the following responsibilities.

- I discuss the field problems with operation personnel, make plans and execute daily maintenance jobs in the AGL plant and housing colony.
- Collaborating with operations personnel and Electrical technicians in diagnosing machinery problems and issues, develop alternatives, propose and implement solutions for long-term reliability by conducting root cause failure analysis and recommending preventive/predictive maintenance programs.
- Analyzing existing systems with regard to their technical reliability & safety and make recommendations for improvement.
- Spares and consumables Procurement for Electrical department and housing colony according to inventory consumption through Enterprise Resource Planning (ERP) with Oracle.
- Responsible for implementation of safety plan to avoid accidents during maintenance work both in field, housing colony and workshops
- Preparation of Budget (OPEX & CAPEX) for Electrical department.

Projects:

A. Installation and commissioning of 3000 kVA transformer.

-Installation and commissioning of 3000KVA step-up transformer (PEL).

B. Installation & Commissioning of 6.6 kV VCB.

-Installation and commissioning of 6.6 kV VCB for 3000kVA transformer.

- Maintenance Experience of AC motors and Drives (Siemens)
- Experience of continuity test, Megger testing and IP Test (insulation test for dryness and cleanliness)
- Technical review of basic and detail engineering documents including general specification for Electrical instruments, MV and LV schematic diagram, Single line diagrams.
- Power generation transmission and distribution system of AGL and Housing colony.

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Organization: MS Ultimate Engineering Consultants, Peshawar

Designation: Assistant Resident Engineer.

Tenure: 7th Sep 2015 to 1st January 2018.

☐ **PROJECT: 01**

“Solarization of 400 schemes both existing and new water supply schemes, Gravity Schemes and High Head Schemes without Solar in Khyber Pakhtun khwa” ADP. 284/150206(2017-18)

NAME OF CLIENT:

Public Health Engineering Department, Peshawar K.P.K

Project Description:

Total PV(W) installed per scheme: 2KW – 4KW system

Module Type: Mono crystalline

Efficiency: 17%

PV size (W): 275W – 320W

Frame Structure: Fixed System

JOB DESCRIPTION / DUTIES:

- ☐ Evaluation of Firm Profile
- ☐ Setting the Pre-qualification Criteria for the contractors/Firms
- Data collection by using various equipment's
- ☐ Design review for solar pumping system of water supply scheme
- ☐ Attend meeting with the client
- ☐ Weekly/monthly Reporting writing
- ☐ Pre and post supply inspection of goods
- ☐ Monthly site inspection of site
- ☐ Checking of Quality assurance and quality control
- ☐ Verification of goods on site
- ☐ Final testing and commissioning of scheme

☐ **PROJECT: 02**

Solarization of Existing Water Supply Schemes in various districts of KPK ADP 131 (2014-15)

☐ **NAME OF CLIENT:**

Public Health Engineering Department, Peshawar K.P.K

Project description:

Total PV(W) installed per scheme: 1KW – 4KW system

Frame Structure: Tracking System

Module Type: Mono crystalline

Efficiency: 17%

PV size (W): 275W – 320W

☐ **WORK DESCRIPTION / DUTIES:**

Main Tasks:

Feasibility study, Detail Design, Verification of data provided, PC-1 Preparation, Procurement of contractor, Notice inviting tender preparation, Preparation of bidding Documents, technical and design evaluation, attending meeting of financial proposals, monitoring of site activities, Pre-supply inspection, and co-ordination with project staff. Post supply inspection, Preparation of monthly progress report, Preparation of technical sanctions, Checking of Quality assurance and quality control, Verification of goods on site, Collection of water sample and Preparation of reports etc.

☐ **PROJECT: 03**

Solar Energization of Various Jails in K.P.K ADP No. 631/130281 (2016-17)

☐ **NAME OF CLIENT:**

Govt. of KPK Home & TA's Department

☐ **WORK DESCRIPTION / DUTIES:**

- Conducting initial site survey and Data collection by using various equipment's
 - ☐ Preparing Feasibility Report
 - ☐ Assistance in PC-1 preparation
 - ☐ Design of the Project
 - ☐ Attend meeting with the client
 - ☐ Assistance in Pre-Qualification of the contractors
 - ☐ Preparation of Bidding Documents.

☐ **Major Courses:**

- ☐ Power System
- ☐ Power Engineering
 - Transmission lines
 - Power electronics
 - Mobile communication
 - Data communication
 - Communication system/network
 - Engineering Management

☐ **Project (FYP):**

- Flight stabilization of Quad rotor (UAV).

☐ **Awards:**

- Maintained 2nd position in Final year project (FYP).

☐ **Computer Skills:**

- Microsoft Office (word, Excel, Power Point etc.)
- Auto CAD 2000 (2-Dimensional Frame Design)
- Proteous 7.0
- Electronic Work Bench
- C++ 6 (Programming)
- MATLAB 7 (Programming for Plant Design)

☐ **Membership**

- PEC registered member, ELECT/51555
- IEEE member since august 2015

☐ **Behavior Competence**

Highly Determined Towards Work, Result Oriented And Strategic Thinker, and Agile learner, disciplined & honest in work. Adaptable to any new environment.

Reference:

Reference will be provided on your demand