

# Tasawur Abbas

**I'm professional Electrical Engineer having vast experience of construction sector.**

Islamabad 46300

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+92-334-9553449

Design, execution and supervision of Electrical, Mechanical projects including cost estimation, quality control and monitoring with following field of specialization;

1. Electrical HV/LV Distribution System.
2. Fire Alarms and Fire Fighting System.
3. Design and Installation of Standby Diesel Generating Sets.
4. Heating, Ventilation, Air Conditioning System (HVAC).
5. PABX, Networking System.
6. Installation and Supervision of Elevators.
7. CCTV and security systems.
8. Design and Installation of water supply pumping stations.
9. Video conferencing, Sound system, Multimedia Projectors in conference Halls.
10. Installation and Supervision of Security and Stadium lights system.
11. Installation and Supervision of PE High Pressure Gas Pipeline.

Willing to relocate: Anywhere

## Work Experience

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### **Project Engineer (Electrical/Mechanical).**

Pakistan Public Works Departmental - Islamabad

October 2013 to Present

- Preparation of Feasibility study of Building Construction Projects including initial cost of Electrical/Mechanical Works.
- Performs design work for new construction, renovations and improvement projects for real property facilities
- Interprets and adapts traditional methods and approaches in developing design calculations, layouts, drawings, and specifications that support project objectives and standards
- Responsible for selected construction inspections, quality control and submittal reviews beyond the expertise of construction managers
- Develops cost estimates and time schedules, Reviews and analyzes preliminary and final designs, plans and specifications for technical efficiency and adequacy
- Prepares necessary correspondence, technical reports, contract documents, fact sheets and status reports and prepares final construction drawings suitable for obtaining qualified bids from Contractors
- Monitors and/or manages projects for new construction, renovations and improvements to real property facilities, utilizing a professional knowledge of engineering
- Responsible for the correct and efficient execution of assigned work involving the installation, removal, inspection, maintenance and repair of all electrical systems, distribution systems and fixtures
- Supervises and coordinates activities of workers engaged in the assembly, installation and repair of electrical cables, systems power distribution systems, distribution panels, inspections, etc

- Secures the cooperation of other crafts/trades supervisors and to instill within the assigned electrical staff the cooperative attitude necessary for working closely with other maintenance trade workers
- May at times be obligated to perform actual maintenance and repair work
- Complies with health, safety and environmental rules and procedures and performs work in a manner that enhances the safety of the work environment
- Perform other qualified duties as assigned managing and proper supervision of projects from inception to handing over to the client.
- Detail designing and preparation of Layouts of Electrical HT/LT Panels, Transformers, Distribution Boards, Cables, Internal and External Electrification.
- Making recommendations for designing of cost-effective HVAC system as per building requirement and overseeing the installation of HVAC system of the building.
- Calculation of Load sheets for effective designing of Standby Diesel Generating Sets, ATS Panels and Allied accessories and overseeing the same.
- Detail designing of Fire Alarm System and installation of Fire fighting pumping sets.
- Designing and overseeing the execution of Telephone Exchange System.
- Detail designing and overseeing the CCTV and Security System of the building to ensure safety standards as per requirement.
- Designing and overseeing the execution of Computer Networking System including the Core switch and other switches.
- Preparation of Bill of Quantities for site construction/modification as per site requirement.
- Prepare and modify drawings, specifications, calculations and monitor work for compliance to Engineering codes & accepted engineering standards.
- Making recommendations on major project related Technical aspects, Cost estimates and BOQs
- Preparation of project presentation, project schedule from inception to final hand-off.
- Review project performance at each stage to make sure Engineering Design adhere to Government Rules and Regulations.
- Preparation of Tender Documents as per FIDIC and Public Procurement Rules.
- Dealing with Contractors, site visits and issuing the necessary site instructions to rectify the discrepancies to ensure the quality of work.
- Operation and Maintenance of Electrical/Mechanical Installation of Office and Residential Buildings

## **Design Engineer**

Super tech Electrical Associates - Islamabad

August 2011 to September 2013

- Designing of Switchgears, LT Panels, ATS, MOR, PFI, Distribution Boards LT Bus Bar and Cable Tray.
- Supervised installation, Testing & Commissioning of LT, HT Panels and DB's
- Design Layout of Substation.
- Designed Cable laying & Termination of HT, LT & Control Cables.
- Designed Cable tray, Cable Trench and Dressing of Cables.
- Preparation of Lighting, Power, UPS Light, UPS Power, Fire Alarm, CCTV, Access Control, Public Address Layout Plan of Commercial/Industrial Buildings.
- Preparation of Single Line Diagram of the whole site in detail along with detailed single line diagrams of Distribution Boards and Panels.
- Photography of the whole site from rating, single line diagram & audit standpoint.
- Calculation of Power Rating of electrical equipment and provide the input Power according to requirement.
- Preparation of Bill of Quantities for site construction/modification as per site requirement.

- Prepare and modify drawings, specifications, calculations and monitor work for compliance to Engineering codes & accepted engineering standards.
- Preparation of Comparison Statement on both Technical and Economical basis for the supply and installation of Diesel Generators.
- Preparation of report for the lowest and the best contender for the job.

## Education

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### **Bachelor's in Electrical Engineering**

University of Engineering and Technology - Taxila  
January 2007 to January 2011

### **Intermediate in Pre Engineering**

Islamabad College for Boys - Islamabad  
January 2005 to January 2007

### **High School in Science**

New Age Public School, Fazilpur - Rajanpur  
May 2003 to June 2005

## Skills

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- AutoCAD for Electrical Design (8 years)
- Microsoft Office (10+ years)
- Construction (10+ years)
- Project Management (10+ years)
- Project Planning (10+ years)
- Project Execution (9 years)
- Procurement (9 years)
- Budgeting (10+ years)
- Project Supervision (9 years)
- Designing (10+ years)
- Administration (9 years)

## Languages

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- English - Fluent
- Urdu - Expert

## Certifications and Licenses

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**Registered Engineer at Pakistan Engineering Council**