



Dynamic & experienced professional with overall 21 years of expertise in **QA/QC Electrical, Facility Management, Operations & Maintenance, Project Management, Testing, Preventive & Corrective Maintenance, Installation & Commissioning, MIS Reporting & Documentation, Team Management, etc.**

Summary - Experienced Electrical QA/QC Engineer with 5 years of expertise in inspecting and ensuring compliance with the National Electrical Code (NEC) in different projects in the KSA and India. Skilled in Quality control, identifying issues, and ensuring electrical systems meet safety and regulatory standards. Proficient in documentation, reporting, and collaborating with teams to resolve technical challenges.

- Excellent in exhibiting the **facility operations in management of services and processes** that support the core business of an organization
- Experienced in **Technical, HVAC Electrical and Mechanical Domains** and headed a team of 85-100 members
- Demonstrated excellence in both **strategic planning and day-to-day operations, likely areas of responsibility include, Equipment maintenance;** health & safety, procurement & contract management, space management, utilities and communications infrastructure
- Proficiency in **managing maintenance of a wide range of machinery;** executing process & quality control techniques; demonstrated excellence in troubleshooting various Mechanical, Hydraulic Machines, etc.
- Expertise in implementing plans with focus on optimum utilization of manpower and materials
- Deft in planning & implementing the **preventive, predictive & breakdown maintenance schedules** for improving overall reliability and safety of plant equipment & machinery
- Adroit at carrying out various **tests & inspection** and planning preventive and breakdown maintenance functions
- Possesses excellent interpersonal, analytical and negotiation skills with proven track record of utilizing process-oriented approach towards the accomplishment of cost, profit, service & organizational goals

Skills Set

- QA/QC Engineer
- Facility Management
- Operations and Maintenance
- Testing
- Installation and Commissioning
- PMS Engineering



Areas of Expertise

- Investigating availability and suitability of options for new premises
- Calculating and comparing costs for required goods or services to achieve maximum value for money
- Planning for future development in line with strategic business objectives
- Managing and leading change to ensure minimum disruption to core activities
- Planning & implementing preventive & breakdown maintenance schedules of utilities for improving overall reliability and safety; allocating equipment, scheduling maintenance and coordination with other Service Departments
- Monitoring and evaluating the maintenance activities such as equipment performance, troubleshooting, corrective action, spares inspection & authorization by developing monitoring tools
- Ensuring the building meets health and safety requirements and that facilities comply with legislation
- Checking that agreed work by staff or contractors has been completed satisfactorily and following up on any deficiencies
- Using performance management techniques to monitor and demonstrate achievement of agreed service levels and to lead on improvement



Work Experience

E&I PMS Senior Engineer

ICS India pvt. Ltd., Pune, Maharashtra, India

Aug'23-Current

Installation, Operations & Maintenance, Project Manager

Al Qussie International Co., Riyadh, KSA

Sep'13-Oct'19



Production, Installation, Operations & Maintenance Engineer

A.Z. Corporation, Aria Mineral Water Plant (US Army Base Bagram), Kabul

Feb'07-Feb'11

Programmable Tool Machine Operations & Maintenance

Aujan Industries Co. L.L.C., Jebel Ali, Dubai

Oct'04-Feb'07



Responsibilities:

- Spearheading the operations at sites, reviewing project schedule, ensuring cost control within budget, planning for cash flow requirements, troubleshooting and maintaining documents to ensure complete in-process quality & improvement in process capabilities
- Carrying out the predictive, preventive & breakdown maintenance schedules of plant assets and conducting periodic checks to ensure performance of various equipment
- Drafting various project reports to identify areas of obstruction / defects, conducting troubleshooting, service and repair to rectify the equipment
- Performing installation & commissioning of machines/equipment while ensuring completion of project in minimum turnaround time effective resource utilization to maximize the output
- Looking after the installation & commissioning while conducting tests & inspections for ensuring operational effectiveness of utilities and effectuating maintenance plans for machines and equipment
- Monitoring the performance of team members to ensure efficiency in process operations and meeting of production targets



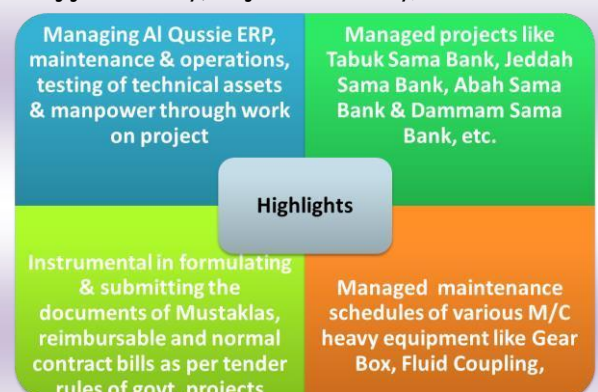
Significant Accomplishments:

1) At ICS India pvt. Ltd. Third partner for the company – Paraj Industries Ltd.

- Currently working as a senior engineer in PMS department for the project – Capovitez pvt. Ltd., Baramati, Maharashtra, India.
- As PMS, I worked in field of erection, commissioning, operating and testing for the following: -
 - a) 110 KLPD Distillation plant including Fermentation and Dryer.
 - b) 16 TPH Cleaning and Grain Milling and 40 TPH Pre-Cleaning.
 - c) 45 kg/cm² (35 TPH) Travelling Grade Boiler (Baggage and Coal).
 - d) 4-megawatt Steam Turbine.
 - e) WTP, ETP and PCTP plant.

2) At Al Qussie International

- Holds the merit of:
 - Managing Al Qussie ERP, maintenance & operations, testing of technical assets and manpower through work on project
 - Drafting & verifying monthly, weekly and daily maintenance reports as per schedule of electrical mechanical HVAC, CCTV and fire alarm system
 - Inspecting the problems that erupted in machine of building maintenance, and reporting to government authorized ministry directors and company seniors
 - Maintaining & administering manpower staff of projects like Tabuk Sama Bank, Jeddah Sama Bank, Abah Sama Bank & Dammam Sama Bank, International Hail Football Stadium & AL-Fateh Sports Club/ Stadium entailing housing projects shopping malls & university colleges (King Abdul Ajj University, Majma University) and domestic and international airports (Riyadh International)
 - Collaborating the projects of company with ministry of KSA
- Instrumental in formulating & submitting the documents of Mustaklas, reimbursable and normal contract bills as per tender rules of government projects
- Successfully enhanced the equipment reliability and increased machine up-time by doing the modification as and when required and by taking various initiatives
- Contributed in planning & conducting effective predictive & preventive maintenance schedules of various M/C heavy equipment like Gear Box, Fluid Coupling, Hydraulic Unit and Mechanical Break



3) At A.Z. Corporation

- Successfully led the Production Line Machine Operators and Line Mechanic / Electrical Technicians while administering daily high-speed bottle from blowing, filling packing and shipping
- Instrumental in:
 - Initiating the weekly lines while measuring hourly and correcting allocation of labor expenses
 - Attaining the precedent-setting efficiency for operations despite running one of the oldest and new lines running in the plant

Projects Handled:

Project Title:	AZ Corporation, USACE Project NMAA Task Order 0001, Kabul, Afghanistan
Period:	Mar'09-Feb'11
Project Title:	AZ Corporation, Bagram Air Base Projects Kabul, Afghanistan
Period:	Jul'08-Feb'09
Project Title:	AZ Corporation W917PM=07D-0005 ANA Logistics Command, Central Maintenance Depot, Aug'07-Jun'08

At Aujan Industries Co. LLC

- Successfully developed close coordination for tackling operations and reporting abnormalities to the officers

Previous Experience

Electrical Maintenance & Operating Supervisor Dhariwal Industries Ltd., Pune	Feb'01-Feb'04
Site Supervisor Shakti deep Engineers and Contractors, Pune	Nov'98-Dec'00
Electrical Technician ISPAT Industries Ltd. (Mithal Group Pen-Alibag RD Vadhkal Naka Pen), Raigad	Jul'97-Dec'97
Electrician Tata Engineering and Locomotive Comp. Ltd. (Telco), Pune	Aug'95-Feb'96
Trainee Electrician Bharat Forge Ltd., Pune	Nov'94-Jul'95
Electrician Super Electrical Engineer and Contractors Miraj, Sangli	Nov'92-Aug'93

Apprenticeship Training

Electrical Apprenticeship Vasantdada Shetkari Sakar Karchana Ltd., Sangli	Oct'91-Oct'92
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Education & Credentials

- BE in Electrical Engineering from National Institute of Management Solutions
- Diploma in Electrical Engineering from Monad University
- ITI (Electrical Technology) from Sangli Maharashtra

IT Skills:

- Well versed with ERP, MS-Office, Windows-XP & 7, DOS and Internet Applications



Personal Details

Date of Birth:	20 th August, 1971
Marital Status:	Married
Passport Details:	Passport No. - S3830882 and Issue District: 15/02/2018
Languages Known:	English, Hindi and Marathi
Nationality:	Indian
Number of Dependents:	5
Skype:	madan.gurav
Expected Salary:	Negotiable
Notice Period:	Immediate

Trainings

- Received exposure in:
 - Training on AutoCAD Electrical
 - H.A.C.C.P. Hazardous Analysis Critical Control point. Aspects by Aujan Industries, Dubai, training included Electrical and Mechanical Aspects By Kronos Certificate for Installation, Commission & Testing
- Attended training in Electrical and Mechanical aspects by B.I.L. Engineering Company Vaduz latila for Mineral Water Plant US Army Base Bagram Afghanistan
- Exposed to 30 Days training on automation, instrument & process control from AVIDUS Engineering Pvt. Ltd. (www.avidus.in), the training modules included:
 - Process instruments & process automation
 - Process industries
 - Commissioning, operating & maintenance
 - Projects engineers point of view
 - Automation systems applications differences & automation system architecture on DCS / ESD / PLC / RTU / SCADA
 - Types of engineering drawing P&ID, wiring diagrams ILD, instrumentation installation & cable drawings
 - Instrument specifications
 - Measurements of pressure, vacuum, temperature, level, flow & measurements-analytical
 - Pneumatic controller
 - Logic development
 - PLC engineering, application logic, programming & simulator with PLC on batch process reactor automation systems-specifications
 - Different types control valve, relief valves its applications & selections / sizing
 - Pneumatic / electric / hydraulic valve actuators & its selection / sizing
 - Auxiliary systems of VMS (Vibration Monitoring Systems) & CMS (Corrosion Monitoring System)
 - Auxiliary systems of UPS (DC back up supply / UPS, VFD (Variable Frequency Drives), LDS (Leak Detection System) & ATS (Automatic Tank Gauging System)
 - New development of foundation Field Bus (FF) segment drawings & calculations
- Took part in 45 days industrial automation training in PLCs of Allen Bradley, Siemens, Mitsubishi, Messung, MMI, SCADA, Drives & IEC Standards Programming from Automation & Control Systems (ACS) Bhosari Pune (www.plctrng.com)
- Participated in 30 days training on Electrical Designing & Drafting in IPEBS Institute Hyderabad Andhra Pradesh India (www.ipebs.in)
The training modules were:
 - Electrical Codes & Standard- BS, NEC, IEE, IEEE, NFPA & IEC
 - Generation, Transmission & Distribution of Electricity
 - Wiring Accessories & Cable Management Systems
 - Power System Design
 - Lighting System
 - Earthing & Lighting Protection System
 - Electrical Design Calculation
 - Low Current / System
 - Electrical System Drafting (CAD)
 - Project Management
 - Electrical Software

Knowledge Purview

- Possess sound knowledge of:
 - Piping and Instrumentation Drawings (P&ID): legend, symbols, references & drawing index
 - Engineering wiring drawings: wiring drawings, elementary drawings and Instrument loop Diagrams (ILDs)
 - Instrument Specification Sheets (ISS): valves, actuators, local instruments, transmitters and preparation of I/O list-database
 - Instruments: control valves / relief valves: study of different type's, applications, selection and sizing
 - Level measurement: level gauges, float / displacer level switch /gauge, level transmitters of ultrasonic and capacitance
 - Pressure measurement: pressure gauge, differential pressure gauge, transmitters-bourdon tube and diaphragm type
 - Temperature measurement: RTD, thermocouple and thermo well selection and sizing
 - Logic development: PLC programming in ladder programming and functional block diagram programming
 - Control theory: understanding of P, PI and PID control and tuning of PIDs; single pneumatic / electronic controller: cascade control
 - Automation skills: PLCs-Siemens, PLC-NexGen (CoDeSys) Allen-Bradley, SCADA: Ellipse
 - Servo motor / drive control, process control (flow, level, temperature, pressure)
 - Construction/commissioning: pre-commissioning & commissioning JB's, instrument enclosure installation, impulse tubes, cable/conduit routing, loop checking, hydro test, enclosure ratings, area classification and enclosures, terminations, equipment layout, power and heat rise calculations, cable/conduit entries and earthing
 - Smart Plant Instrumentation: SPI (IN tools) and Smart Plant P&ID (familiar to these tools)
 - Instrumentation and control calculation/conversion skills: fisher software for sizing of control valve, master converter software for converting from one unit to another and flow consultant software for sizing of the orifice plate
 - Control laboratory application projects using PID controller and SCADA monitoring systems
 - Flow control, level control, pressure control & temperature control
 - Batch processing programming and application using Allen Bradley PLC
 - Sensors (temp, vibration, speed, wind speed & direction, humidity, level, pressure) anemometer, position encoder, resolver
 - Electromagnetic relay, solid state relay, control panels based on PLC's, micro processor
 - Programmable logical controller, supervisory control & data acquisition system

- SAP transaction
- Electrical motors & DG set
- Control panel & power panel
- PLC controller for controlling of automation line
- Transducer & sensor signal
- Preventive & breakdown maintenance of 33 KV lines & H T yards
- A.C motors & drives (2Kw to 1250Kw), dual speed asynchronous induction generator (1250Kw), AC drives for motors
- DC motors & drives
- Electrical switchgear (ACB, VCB, MCB's, MPCB's) power devices, CTs, PTs, routine maintenance vacuum circuit breaker, ACB (Air Circuit Breaker 1600 Amp.), thyristors, snubber circuit, power contactor, capacitor panel & HRC fuses
- Transformers of 5 KVA (1 ph. 230 V), 10 KVA (3 ph. 415 V), 16 KVA (3 ph. 230V), 1.5 MVA (33KV / 690V) power transformer
- Boiler & chilling plant maintenance
- Compressors maintenance
- Flow meter & control valves