

SUKHVINDER SINGH

ELECTRICAL ENGINEERING

A versatile, high-energy professional executing prestigious projects of large magnitude within strict time schedule, cost & quality
Industry Preference: Engineering/foundation Engineering/Construction/
Oil & Gas

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Executive Profile

- Expertise in planning and effectuating utility maintenance activities (planned, corrective, preventive & emergency / shutdown breakdown) for ensuring zero / minimum breakdowns as well as maximum availability of plant machinery and equipment
- Efficient in coordinating the operations for the set-up standards for strategic utilization & deployment of available resources to achieve organizational objectives
- Experience in implementing practices to optimize efficiency with constant endeavours to realize zero downtime
- Gained exposure of working on projects of real estate (residential & commercial) building projects as well as infra projects in transmission & distribution segments
- Proficient in the maintenance of water pump, air compressor, water treatment plant, general electric work and fabrication
- Hard worker & decision-maker with proven skills in project development to deliver quality services to clients

Education & Credentials

- Diploma in Electrical Engineering from Govt. Polytechnics, Amritsar in 2005

Trainings

- Emirates Technical & Safety Development Center, UAE; Tropical Basic Offshore Safety Induction & Emergency Training (TBOSIET-OPITO Approved)
- Gulf Technical & Safety Training, UAE; Basic H2S Training (OPITO Approved)

Career Timeline

NL Engineer
Ltd, Mohali as
Site Engineer

RKM Housing
Ltd., Mohali as
Electrical
Engineer

Bauer Geotechnical
Specialized
Foundation LLC,
UAE as Electrical

2005 to 2010

2010 to 2013

2013 to 2016

Key Impact Areas

Project Management	●●●●●
Integrated Management System	●●●●●
Safety Management	●●●●●
Security Risk Assessment	●●●●●
HSE Operations	●●●●●
Installation	●●●●●
Cross-functional Coordination	●●●●●
Troubleshooting	●●●●●
Team Building	●●●●●

Key Skills

Communicator	●●●●●
Motivator	●●●●●
Innovator	●●●●●
Analytical	●●●●●
Collaborator	●●●●●

IT Skills

MS Office (Word, Excel & PowerPoint), MS Windows (98, XP, 7, 8, 10, vista), Mac and Internet Applications

Professional Experience

Dec'13 - Aug'16 with Bauer Geotechnical Specialized Foundation LLC, Abu Dhabi, UAE as Electrical Equipment Electrician

Jun'10 - Dec'13 with RKM Housing Ltd., Mohali as Electrical Engineer

Aug'05 - May'10 with NL Engineer Pvt. Ltd., Mohali as Site Engineer

Key Result Areas:

- Steered specialized planning functions and provided overall management of division-related planning issues
- Managed manpower on site, implementation of manpower plans and coordination with government officials for completion of projects; reviewed the BOQ as per the work order and assigned of work order to the sub-contractor
- Assessed & analysed drawings, circuit diagrams and electrical code specifications to plan wiring layouts; ensured test completion of circuits using test equipment
- Inspected and tested electrical systems and recommend fixes or replacement strategies appropriate to the situation
- Troubleshoot and isolated faults in electrical and electronic systems and remove and replace faulty parts
- Performed electrical load calculations and estimation of total power requirement
- Created electrical schematic diagrams, detail engineering drawings of earthing layout, lighting layout, cable tray layout, schematic diagram of electrical wiring & all electrical related drawings; implemented hand marked-up changes to drawings
- Liaised with discipline project engineers / designers and other discipline engineers in the delivery of project; monitored drawing development progress
- Coordinated with contractors, architects, project management team, clients, labor and supervisors
- Generated design basis reports; offered quality assurance reviews and detailed checking support
- Motivated team to contribute in knowledge repository of project and verified contractor bills with respect to actual as per site engineer
- Maintained accurate records of the daily activities, including critical safety and regulatory documentation as it pertain to instrumentation and electrical systems
- Spread awareness of the Integrated Management System and the content of the environment, quality, health & safety and information security policy statements
- Supervised electrical equipment breakdown or needs repair, maintenance related works
- Promoted & instituted a sound HSQE and Information Security culture among the peers
- Protected information assets and data including both electronic and paper based from all threats whether internal, external, deliberate or accidental
- Delivered regular reviews on the HSQE and Information Security Performance and suggested improvements

Highlights:

- Contributed towards the completion of transmission lines of 66KV, 132KV and 220KV at different sites location
- Reduced downtime by 40 - 50% through measures such as planning & implementing predictive Maintenance (PDM), Preventive maintenance (Minor or major) Total Proactive maintenance (TPM) of operational effectiveness of equipment for improving overall reliability and safety of equipment & machinery & Harmonic analysis & power quality analysis
- Escalated Overall Operating Efficiency (OEE) by 10 -20% through measures such as monitoring, analysing power consumption and percentage of utilize of premises and ensured safety precaution in plant and hazard area with safety work permit report
- Successfully executed plant expansion / modification / upgradation projects such as grouting plant, modification of rig machines & modification of electrical system & upgradation of electrical power system & light system in plant and others used by energy saving equipment
- Pivotal in streamlining processes through measures such as preparing checklist, planning executing activities entailing power analysis and shutdown activity scheduled & planned maintenance activity, studying the job prospectus, planning and deployment of resources required to reach the target

Projects

At Bauer Geotechnical Specialized Foundation LLC, Abu Dhabi, UAE

- ZADCO UZ750 (ZAKUM Development Company) Conductor Setting Piles for Oil Drilling at North, West, Centre, South Island
- China State Construction Company of ARRENCO Hotel Project at JUMMEERA Dubai for Centre Piling

and VIBRO Compaction

- Hyundai Engineering on Site Dubai Eye (Bluewater Island), Marina Dubai Project for Centre Piling of Legs for Rotating Wheel
- Step LS-01, NWLS C O5A of Abu Dhabi Water and Sewerage Main Whole Cutting Piling
- Residential & Commercial Tower, Near ETISALAT Building, Abu Dhabi for Cutting Piling and Centre Piling
- ZADCO UZ750 (ZAKUM Development Company) at Centre Island and West Island for VIBRO Compaction Project to Tightened the Soil

At RKM Housing Ltd., Mohali

- Housing Project Spring Dale Tower 1 & 2, VIP Road, ZIRAKPUR, Chandigarh
- Residential & Commercial Project RKM Housing, LANDHRAN, Mohali

At NL Engineer Pvt. Ltd., Mohali

- Transmission Lines Project of Punjab State Electricity Board on different places such as BALAH CHAK to KHASA (Amritsar 220KV), Asha HOOR to PHILLAUR (Ludhiana 132KV), GORAYA to RURKA KALAH (Jalandhar 66KV)

Knowledge Purview

- Install, replace and repair lighting fixtures and electrical control and distribution equipment, such as switches, relays and circuit breaker panels
- Pull wire through conduits and through holes in walls and floors
- Install brackets and hangers to support electrical equipment
- Connect wire to fixtures & components to form circuits and electrical power to sound & visual communication equipment, signaling devices and heating & cooling systems
- Blueprints and schematics and use of array of tools and diagnostic devices to service and install electrical parts
- Install as well as repair electrical systems, apparatus, and also electrical plus electronic components of industrial machinery and equipment, following electrical code, manuals, schematic diagrams and also other specifications, using hand tools, power tools, and also electrical electronic test equipment
- Low tension line, High tension line laying & maintenance
- Installation of control panels in real estate sector
- Safety and Health regulation (HSSE).
- Programmable Logic control system (PLC) and electrical equipment low voltage (12V DC) to high voltage (400V AC)
- Repairing circuit breakers, replacing old switches, tracking down electrical shorts and generally ensuring the electrical systems of any building are working safely
- New industrial control panel with ELCB, RCCB, MCCB, MCB and control panel with speed control of motors with star delta connections, time relays
- Repair & maintenance of:
 - Motor pump, welding machines, DC generator miller welding sets, conductor pipe caliper machine, hand tools like drilling machine, hand grinder, grind -ex motor pump, mud pump, air compressor, flood light, power supply cables extension for industrial use and site use
 - Power supply system to container and also auto works of equipment like generator set, ETA 80 water pump, lifting cranes, RIG piling machine, power pack (hydraulic pressure for VIBRO compaction to tighten the soil) and replacing of alternator and starter of equipment
- Preparation of new panel board above IP65 for generator sets; troubleshooting of generator set
- Planning & commissioning of street lights, generator sets, LT lines, panel wiring, lifts wiring, sewerage treatment plant, water supply, flats and office wiring

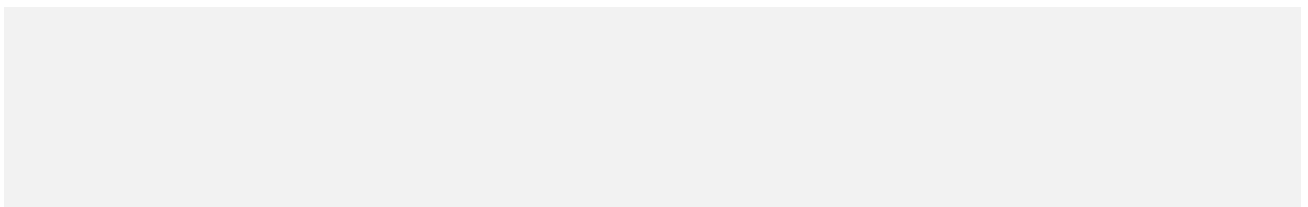
Academic Project

Project Title: Govt. Polytechnic Amritsar Office Electrical Wiring

Role: Electrician

Team Strength: 10

Description: The project was based on design & development of Institute Office Maintenance





Personal Details

Date of Birth: 9th August 1986

Languages Known: English, Hindi and Punjabi

Permanent Address: VPO- JAJA, Hoshiarpur - 144212, Punjab

Passport No.: I8695034: Valid till 16th May 2022