

103967-ELE-4CMOS-E-2005

Work Planner & Electrical Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 13 years experience in oil & gas field and thermal power generation plant, his experience including construction, commissioning, acceptance and handover, planning, operation, preventive and corrective electrical maintenance activities in Mega electro-mechanical green/brown field projects and operation side, with area of responsibility covering work pack preparation/review, resources management, activities planning/execution/monitoring/supervising, task risk assessment, SIMOPS management, Budgeting Estimation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/03/1983
Gender : Male
Residence : Currently Iraq

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Ex equipment selection, installation, inspection and maintenance from Compex/Aberdeen in P.D.O Oman.
- : Shell Electrical safety rules LEL 061 high voltage from Petroleum Development Oman (P.D.O).
- : Variable speed drives ACS800 Drive operation & maintenance course from ABB University.
- : Motors selection, testing, maintenance and troubleshooting course from OGS.
- : Motor control through PLC.
- : Electrical installations in hazardous area.
- : UPS System & Battery Maintenance Course.
- : Insulating oil Testing Results and Power Transformer Technical State assessment.

- : Bearing Identification Course from OGS Center.
- : Vibration analysis ENPPI.
- : Technical reports writing course.
- : Introduction to pump types and selection PETROMENT.
- : Course in AutoCAD from Italian Institute DONBOSCO.
- : Course in electricity for civil installations from Italian Institute DONBOSCO.
- : HSE courses:
 - Heart saver (CPR & AED & FIRST AID) course from AMERICAN HEART ASSOCIATION.
 - Task risk assessment (TRA).
 - H2S Awareness and Escape.
 - Chemical awareness.
 - Hearts and mind.
 - HSE Induction Course.
 - PPE training course.
 - Job Safety Analysis.
 - Environmental Awareness.
 - Basic Fire Fighting.
 - Basic life support & First Aid course.
 - Confined space entry.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	: From Nov. 2015 till now
Employer	: Shell IRAQ PETROLEUM DEVELOPMENT (SIPD)
Project	: Majnoon Oil Field, Basra - IRAQ
Job title	: Work Planner & Electrical Engineer for Asset Engineering Department
Job Description	: <ul style="list-style-type: none"> • Asset Engineering Department: Is multidiscipline Engineering department responsible for implementation of all MOC (management of change) in Majnoon filed, new minor projects and non like to like/complex maintenance work orders. • Preparing work pack for MOC (management of change), minor project, shut down work orders, corrective/complex maintenance work orders. • Plan, following & coordinate the work activities and contractors. • Interface with all work parties and stakeholders (discipline engineers, operation, maintenance, project engineers, other department/contractor planner...) to ensure the clear scope of work and each party scope of work and responsibility, and make sure that the work pack cover all details and documents required before job start. • Site supervision/following up of construction, installation, testing, commissioning and hand over. • Prepare and provide inputs to Mechanical Completion & hand over dossiers and as-built drawings and documents. • Monitor and identify fluctuation in work scope, raising the necessary support documentations and provide technical, ethical, professional leadership, support and mentoring within to the team. • Following the MOC work flow (screening, review, approval, implementation process). • Arranging and coordinating the activities with discipline leads, M&I

- planner, IAP & shutdown planner.
- Make regular field site surveys to determine appropriate scope of work.
 - Utilize feedback from previous work plan implementation to improve future work plans.
 - Responsible for planning all work orders and preparing 7 day frozen plan, 14day plan and 3 monthly plan for the team & follow up daily activities to close on SAP.
 - Active involvement in daily work progress / daily notification review meeting, weekly, monthly planning meetings and provides required feedback/inquiries.
 - Raising deviation form through Z6 notification (for non SCE safety critical element and FSR (facility status report)) for SCE for SAP work orders can't be executed before its latest allowed finish date (LAFD).
 - Preparing BOM/ stock proposal and ordering all material for electrical, mechanical & instrument, make (bagging and tagging) in staging area.
 - Working to close out work orders on SAP to be completed as CNF/PCNF after adding history on the notification level & select object part, damage code, cause code, text and activity tape to add all steps has been carried out by starting date and finish date using standard text for history record, attach failures/testing reports, 5Whys to notification.
 - Achievements:
 - Increased the productivity of the team by 30% by better identification/prioritization of work and assuring material arrival at right time& protecting the schedule from unnecessary deviation.
 - Motivating team members and coaching the local candidates in theirs competency program.
 - Increased schedule compliance of my team to be 90% in average "before it was from 40% to 50%, Shell operation excellence mention ≥85%".
 - Increased the cost/time saving by increasing the utilization of stock material items and eliminate the generic material.
 - Prepared, planned and coordinate all total shutdown activities in April 2016 which my department scope is the critical path.

Dates : From Apr. 2009 till Oct. 2015

Employer : BAPETCO an EGPC & SHELL JV

Project : OBAYED Gas Plant – Western Desert, Egypt
(440 million cubic feet/day capacity)

Job title : Electrical Maintenance & Operation Supervisor
(Senior Authorized Electrical Person)

Job Description :

- Plan, prioritize, manage, supervise and execute (hands-on) all Maintenance activities, new installation on HV/LV electrical equipment power transformers 11KV/440v, 11kv switch gear, MCC, distribution boards, HV motors up to 10MW, LV motors, battery banks and UPS, Solar systems.
- SAP/planning activities like work preparations, work scheduling, 14/90-day plan, Daily progress meeting (YTT), notifications meeting, planning meetings, closing work orders and updating equipment history.
- Troubleshooting electrical problems and root cause analysis.
- Prepare and discuss PTW and JHA for electrical tasks.
- Review the periodic & shutdown work plans and integrate activities with

other sections for their execution.

- Initiate and implement Management of change (MOC) to ensure safe and reliable work, Installing and commissioning new electrical equipment.
- Preparing electrical switching program, issue and cancel HV/LV electrical certificates.
- Updating and modifying the preventive maintenance routine "PMR" & Task lists according to job requirement.
- Ensure availability of tools, spares & consumable for all the activities in the assigned area and initiate purchase requisition (PR) and preparing budget for equipment overhauling, tools and minor projects.
- Mentor and coaching the new staff members in their competency program.
- Responsible to follow the TIHBV Technical Integrity & Hardware Barrier Verification Audit.
- Achievements:
 - Highlighted as shutdown focal point.
 - Performed root cause analysis for the reasons of the increase in plant earth electrode resistance, making engineering study, preparing budget and CWP, implement the project by internal man power which save for the company 200,000\$ required for EPC contractor and reduced the earth reading from 40:50 Ohm to be less than 10 Ohm as per DEP standard.
 - Reduced the gas deferment which resulting from power failure of well head control panels on gas wells by 80%, by modifying the control circuit of hydraulic pump motor circuit and re-sizing the solar cell system supplied the circuit.
 - Chosen as the best work preparer (SAP CMMS) award in 2013.
 - Coaching and supervising 6 electrical persons in their competency program till get their LV/HV electrical authorization.
 - Installing and commissioning/start up new Hollec electrical distribution board for new Ro Plant/water wells without support from the vendor to facilitate the tie in and avoid production deferment.
 - Member of MIE (Maintenance and Integrity Execution) implementation Team in BAPETCO Shell Egypt.

Dates : From Aug. 2014 till Nov. 2015 (part time)
Job title : Electrical Consultant for Marina Petroleum Company, North Coast
Job Description : Technically evaluate the offers for earthing & lightning tenders, lighting system and LV distribution panels tenders for marina field in north coast, Supervising the installation and commissioning of the two tender, Preparing stock proposal and check list for preventive maintenance routine plan.

Dates : From Feb. 2010 till Nov. 2015 (part time)
Job title : Project Engineer with Eldawleya Company (approved contractor for P&G) - Proctor and Gamble (P&G) factory in 6th of October City
Job Description :

- Replacement & upgrading factory power distribution system: replace old switchgear "ABB 22KV" and installing the new switchgear "Schneider arc protection 22KV" project, Installing 3ring main unit "RMU ABB type 22KV".
- Replacement of 4 oil transformer 11/0.4KV 2MVA with cables, Installing

new factory 22KV switchgear, 2 RMU 22KV and two air transformer "11/0.4KV 2MVA", Installing earthing system.

Dates : From Jun. 2008 till Mar. 2009
Employer : INITEC & Misr for mechanical and electrical projects company "KAHROMIKA" consortium
Project : West Cairo Plant new 2 steam units 2x350MW
Job title : Sr. Site E&I Engineer
Job Description :

- Managing my work groups, coordinating and liaising with the construction engineers, subcontractors.
- Supervising installation of HV/MV Transformers, MV/LV Switchgears / MCC, Cables pulling/termination.
- Preparing technical submittals for cables and cables trays for taking consultant approval.

Dates : From Jun. 2006 till May 2008
Employer : Misr for mechanical and electrical projects company "KAHROMIKA"
Project : Nubaria Sugar and Refining Company, El-Behira – Egypt
Job title : E&I Site Engineer
Job Description : Installing cable trays, conduits, MCC panels and laying MV, LV and instruments cables and supervising on its terminations, transformers, instruments in process building & boiler and DCS, MV switchgear & distribution boards.

Dates : From Oct. 2005 till May 2006
Employer : INITEC KAHROMIKA consortium
Project : Nubaria Power Station 2x750MW Combined Cycle, CP-117
Job title : Site Engineer
Job Description :

- Laying cables.
- Electrical connections.
- Pre-commissioning tests.

Field of experience :

- Electrical Engineer / Supervisor / Inspector, Project / Site Engineer, Work Preparer / Site Planner CMMS.
- Work pack preparation & detailed work plan development proper resources, HAZOP, cost & manpower, schedule, drawings review & approval, responsibility matrix, lifting plan....
- Brown field & green field projects.
- COMPEX certified EX 02/03/04 for selection, maintenance, installation & inspection of explosion proof "Ex" electrical equipment's in hazardous area.
- Construction, commissioning, operation & maintenance of LV and MV motors "up to 10MW", UPS, power transformers, earthing system, solar cell system, LV/HV distribution board and switch gear.
- Providing support for FEED study, Field Engineering, Safety compliance & Project planning.
- Maintenance/shutdown planning using SAP CMMS.
- Electrical Maintenance & repair "hands on", Troubleshooting and root cause analysis.

- Asset register, Master Data create and change and preparing/updating maintenance plans for plant electrical equipment.
- Material management, spare parts preparation, Min/MAX stock level, purchasing cycle.
- CMMS SAP super user for PM, BW, MM modules & FSR Facility Status Reporting user.
- SIPD Shell Iraq, PDO Oman & BAPETCO Shell-Egypt PTW applicant & holder.
- QC/QA management, Preparing hand over dossier, ITRS (inspection test reports), method of statement (MOS) & punch list.
- MOC (management of change), Risk assessment & job hazard analysis.
- Technical submittals preparation & Vendors/contractor bid evaluations.
- Witness Electrical equipment "FAT& SAT" tests, preparation of contractor/subcontract packages.
- Large exposure to different project cycles from designing, planning, construction, commissioning, start-up & handover.
- SHELL electrical safety rules (ESR) competency coach.
- Lead electrical maintenance team consists of more than 25 people from different nationalities.
- Capable of managing crews of up to 120 persons in construction activities.
- Using underground cables fault locator devices (SEBA) and protection relays secondary injection testing devices (Megger).
- Checking drawings, layouts, one line diagrams schematic diagrams, manuals, data sheets, specifications (familiar with DEP, IEC, BS, ATEX standard).
- Authorized to operate company electrical system as senior authorized electrical person (SAEP).
- Trainer for SSOW Safety System of work, Shell-Egypt for Isolation, Task Risk assessment, TBT & PTW.