

SUMIT TIWARI

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Working Country: Jeddah Industrial area near Waziriah, Jeddah, KSA. Home Country: B-14/2, Best Rajdoot CHS Pantnagar Ghatkopar (E), Mum-400075, Maharashtra.



Objective

I am looking ahead to work in a professional, growth-oriented organization, where in one can make significant contribution to the success of the organization. Seeking a position that involves creativity, challenges and that provides me, an opportunity to constantly strive to explore, innovate & excel in attaining organizational and my individual goals. A consistently dependable team player, I can thrive in a high-pressure environment, enjoy the challenges of meeting deadlines and lead a team successfully

Experience

Aquat Industries Ltd

19/02/2017 -

Electrical Engineer

Working as **Electrical Engineer as section Incharge** in **AQUAT Industries Ltd. in JEDDAH (SAUDI ARABIA)** from FEB 2017 to till date.

- *Monthly make management file which included (SKF- Utility Consumption like power, water, Running hours of machines included chiller, Air compressor etc).
- *Sets /Monitor KPI in each month and identify area of improvement.
- *Enhance the capability of team through recruiting, motivating and developing multi discipline staff.
- *Coordination between maintenance and PRD department and other division as required.
- *Maintaining log sheet and report on daily activities.
- *Issue periodic maintenance report showing downtime, shutdown etc on monthly basis.
- *Monitor the uses of spare parts and order for replacement when necessary.
- *Coordination with external contractor related service and project work.
- *Coordinate with Purchase department regarding service .
- *Budgeting material, manpower, operation and opex plan for Electrical utility system.
- *Making RCA and PSD for Electrical utility failure or breakdown. .
- *SAP operation included material ordering, making PR, monitoring manpower hours etc.
- *Develop and manage maintenance activity as schedule plan.
- *Ensure compliance with company regulation and procedure in respect of safety, asset maintenance and integrity.
- *Ensure effective control of downtime and maintenance cost along with follow approved budget plan.
- *Operation and maintenance of 13.8 KV /380 V switchyard supply of SECO (Saudi Electricity Company.)
- *Operation and maintenance of HT breaker SF6, Transformer, ACB, PCC, MCC and APFC panel.
- *Knowledge of protection relay in Breaker and OLTC system for maintain desire voltage
- *Recording, monitoring and analysis of Electricity consumption, Power factor and performance of machines through daily log sheet.
- *Handling Cummins make 4 MW Cummins make Diesel Genset as backup for Emergenc SECO power failure.
- * Maintenance, operation and services of ABB make breaker which included (Tripe, closing coil, ARC chute and function of motor).
- *Handling AC/DC Motor and control system in which have VFD ABB, Danfoss and Siemens Drive.
- *handling Operation and troubleshooting of PLC siemens, Mithushubhi and HMI for

production machines and utility machines.

*hands of experience of HT and LT breaker ABB, L & T operation and maintenance and servicing make..

*Handelling and ensure smooth functioning of FAS for SIMPLEX SES 1000 model system in plant.

*Operation and maintenance of PETRA and DB make chiller system.

*Monthly schedule of Electrical manpower to cover 24 hours production.

*modification and development of Electrical Distribution and control system as per required for operation in plant.

*schedule predictive and preventive maintenance plan for Electrical system to ensure smooth operation of Electrical systems.

*maintain minimum Electrical spare parts required for electrical system for smooth operation for electrical system in internal department and ensure in availability of safety stocks in WH.

CBRE South Asia Pvt Ltd

Senior Executive Engineer

01/04/2014 -
18/02/2017

Worked as “**Sr. Executive Engineer**” at CBRE South Asia Pvt. Ltd. from April 2014 to Feb 2017 in **Aditya Birla Group**.

Key Responsibilities

*Handling **22 KV substation in** which included Lighting Arrestor, RMU changeover unit, Isolator switch, HT breaker SF6 & VCB, Transformer Indotech make.

* Having Transformer 2MVA, 1500KVAX1 no. and 2600 KVA Maximum Demand.

* Electrical load estimation, maximum demand, Power factor calculation and controlling.

*Preparing daily report, weekly, Monthly and yearly power report included raw power, D.G running hours and send.

* Looking after all maintenance and troubleshooting activities of Distribution Transformer (22KV/415 V) for 2 MVA, 1500 KVA Oil Type), HT & LT Breaker, APFC panels, PCC, MCC, PDB, MCC, MLDB panel etc

* Maintenance of transformer in monthly, Quarterly, Half yearly & yearly.

* Knowledge of protection system transformer according voltage ratio & capacity both HV and LV side also common type of relays like 33/11 KV substation.

* Coordination with consultant for the tendering and finalization of the contract for Electrical system.

* Plans & coordination operation of facilities transmitting power from distribution point to consumer.

* Make electrical computation to determine type & arrangement of circuit & size, type & no. of piece equipment such as circuit breaker & their rating.

* Develop plans, specification & cost estimates for the installation, maintenance, repair & expansion of electrical distribution system.

* Inspect the installation of electrical installation of electric equipment & related facilities.

* Monitor the electrical system performance.

* Planning PPM schedule all electrical system included Weekly, Monthly, Quarterly, and Half Yearly & Yearly.

- * Prepare studies, report & recommendation pertaining to the overall electrical system operation.
- * Manage the maintenance & improvement of the distribution system & substation.
- * Respond the emergency condition & restoring the electrical distribution system to the normal operation.
- * Build up new SLD line diagrams for electrical distribution system.
- * Execution of the project engineering involving Installation, commissioning & testing of electrical equipment such as HT switchgear consists of VCB, SF6 Breaker, HT/LT motor cable (22 KV,6.6KV).
- * Looking after all maintenance of 40X3 KVA, 60KVA, 30X2 KVA, 120 KVA Emerson & Delta UPS, and Danfoss make VFD.
- * Protection system include Microprocessor & Numerical relay also D.G set with AMF panel.
- * Daily Power monitoring, Calculation & reporting at monthly basis.
- * Testing carried out every year all electrical system (Earthing pit, ACB breaker, SF6 Breaker, transformer oil).
- * After testing earthing resistance take necessary action to rectify the problem.
- * Electrical maintenance of compressor in which included slip ring & also induction motor 200 KW motor in which having oil immersed starter as well as Star-Delta starter water & oil pressure switch setting.
- * Maintenance of LT breaker and troubleshooting Of DG set Powerica (1050KVAX1 no. & 500 KVA).
- * Knowledge and operation of AC Drive DANFOSS, ABB make.
- * HVAC System (Chiller, AHU, VAV) & Having York make 2 no. of chiller (200X2 no of TR) and another Kirloskar make Chiller is 600TR also 26 no. of AHU.
- * Both high side & low side included chiller, Cooling tower, AHU. VFD, Chemical dosing in cooling tower to maintain PH valve

Super-max Personal care Pvt ltd

Junior Electrical Engineer

Worked as Jr. Engineer” at Supermax Personal Care Pvt. Ltd. from August 2012 to March 2014

Key Responsibilities

- *Handling 11 KV substation in which included Lighting Arrestor, RMU changeover unit, Isolator switch, HT breaker SF6 & VCB, Transformer C.G make.
- * Having Transformer 2MVA, 1500KVAX2 no., 750KVA, 500KVA and 5200 KVA Maximum Demand.
- * Testing carried out every year all electrical system (Earthing pit, ACB breaker, SF6 Breaker, transformer oil).
- * Knowledge OF transformer RTCC setting for desire Voltage in OLTC Transformer.
- * Maintenance and troubleshooting of compressor, DG set Caterpillar and Powerica (1250KVAX2 no. & 500 KVA) &
- * Attending breakdown and maintenance of CRM, in which having DC motor& AC motor as well as drive.
- * DC motor in CRM 336X1KW, 164X4 KW, 48.5X4 KW, 15KW & AC motor 15X4 KW,

24/09/2012 -
31/03/2014

20X2KW, 7.5X7KW, 2.2X11KW, 1.5X6KW, 1.1X4KW.

- * Maintenance & Troubleshooting of Induction furnace.
- * Planning and effecting preventive & predictive maintenance, overhauling, repair schedule of various machine and instrument to increase machine up time and long-term equipment reliability.
- * Proactive identifying areas of obstruction, break downs and taking corrective steps to rectify the equipment's through application of troubleshooting tools.
- * Under take periodic checking and maintenance of electrical machines Carryout, panel:
- * Attend breakdowns in plant & Identifying problems of equipment that may cause interruption in smooth running of plant.
- * Conduct preventive maintenance as per planning.
- * Carryout modification to minimized downtime & increase efficiency of system.
- * Prepare daily report, remark and equipment history.
- * Regular updating of stocks of spare material of electrical maintenance.
- * Preparation of indent for new electrical equipment and monthly electrical expenditure.
- * Material procurement through SAP and maintaining minimum spares for attending breakdown and reducing breakdown time.
- * Coordination with various departments for smooth functioning of the equipment by feedback and suggestion from them.
- * Maintenance of induction Furnace, Grinding m/c, wrapping m/c, CRM.
- * Preparing pending work list and complete that work at given time.

Education

2012	University of Mumbai B. E (Electrical) 67
2022	MITSDE PGDM-Energy Management

Skills

OSHA
GMP
QMS
Autocadd

Projects

Bms Access Control system

Worked on centralization honeyweel make access control system for door in manufacturing plant.

Temperature monitoring system

Installed monitoring system for cold store system which included cold store monitoring temperature, defrosting and cold store compressor status like run, defrost and trip.

Elpress Machines installation

Installed production machines for basket cleaning machines (40KW X2).

Chiller installation

Laying power cable and distribution system for 70 TR chiller along with power supply for primary and secondary pump.

Firefighting system

Installed Kitchen hood fire suppression system with integration of fire panel.

*Installed Novec 1230 system for utility machines with integration of main fire panel.

Sewage system fixing work

Installation of control Lifting station pump for sewage system.

Booster pump automation

Project commissioning of PLC system to booster pump system to control operation of multiple of on/off with help of VFD for pump system like start, stop time and day pressure, flow meter.

Street light

Done Project on streetlight installation work in which we replace 150W MHL to 60-watt LED light and we also astro clock timer to operate light in Auto mode i.e. On

HT protection System

Install on HT Breaker under /over voltage & also under/Over frequency installation work in HT Breaker Schneider make P995 MICOM relay. .

Lubra machine

Done Project on installation of 16 no. of lubra m/c from cable installation to m/c panel. *installation of libra machines about 195 KW load in which laying of cable 3.5 CX150 Sq. mm AL cable in which included lugging & Crimping also installed SFU unit for distribution purpose

AVR

Project on 1500 KVA AVR installation work to control the voltage of the system.

Language

English

Hindi

Arabic

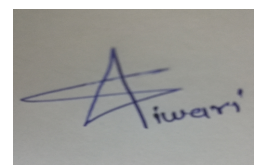
Marathi

Interests

Cricket

Basketball

Badminton



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Additional Information

Jeddah near industrial area in waziriah - Kingdom Saudi Arabia