**Ajeesh Surendran**

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**CAREER OBJECTIVE**

Proactive individual with over 11 years of experience in rig electrical maintenance seeks employment as a Senior Electrician in a competitive & challenging environment with high prospect of personal development & career progression.

**PROFESSIONAL SUMMARY**

I am currently associated with Arabian Drilling Company (JV TAQA & Schlumberger), Saudi Arabia. ADC is currently operating 16 onshore and 7 offshore drilling Rigs exclusively for Saudi Aramco & Aramco Gulf Operations – KJO.

My responsibilities includes operations, maintenance and repair of all electrical equipments on the rig, preparation of rig move, reassemble after moving, inspection, troubleshooting, upgrading electrical and HVAC equipments, logistics equipment and camp in accordance with ADC Rig Management System (RMS).

**Rig :** ADC

**Designation :** Senior Electrician

**Tenure :** Nov 08 – Till date

**Drawworks :** NOV ADS-10T, Midcontinent u-1220 eb, 2000.

**Top Drive :** National Oil Well PS350/500, NOV PS 500A, NOV TDS-8SA

**Auxiliary Brake :** Baylor 7838,Electric Dynamic & Friction Brake

**Generators :** Caterpillar 3516CHD, 3512, 3412 & 3508

**Mud Pumps :** Gardener Denver PZ 11, LEWCO, W-2215 Triplex

**Power Conversions :** Ross Hill SCR System, NOV 1400/1800A/SCR

**VFD**  : ABB Drive AC S800

These units are controlled by a Siemens S7-400 PLC with V-ISIS HMI. All the AC motors are driven by ABB.

**KEY RESPONSIBILITIES**

* Land and offshore amphion rigs with top drive responsible for total maintenance, repair, installation, electronic instrumentation and various utility equipment used in drilling rig.
* Performs preventive and corrective maintenance on electrical equipments on the rig and ensures that all equipments are maintained in optimum condition to prevent from shut down during operations.
* Maintains all equipments in good, safe working order and reports any problem for deviation.
* Supervise / delegate task to the team. As well ensuring all operations are done in a safe and environmentally sound manner.
* Participates in QHSE audits.
* Complies fully with all QHSE requirements & ensures to follow standard operating procedures.

**AREAS OF PROVEN PERFORMANCE**

* Exercised proactively to identify improperly installed and defective equipment in the commission of 6th-generation Amphion rigs, which could potentially cause significant downtime.
* Maintained all electrical systems on M.O.D.U.s and land rigs, including generators, power conversion and control systems, high voltage switch gear, transformers, and others, to significantly minimize safety hazards and loss of revenue for clients.
* Regularly draw upon expertise in instrumentation for maintenance and commissioning projects, performing critical design, installation and calibrations of instruments and control systems.
* Leverage a comprehensive portfolio of multi-trade experience and continuing education to ensure timely maintenance within contractual specifications, and in adherence to maritime rules including DNV, ABS and IEC.
* Served as critical service person for Trinidad Drilling’s Automation/Controls/Electric Division, as an on-call maintenance specialist, requiring extensive travel to new jobs.

**ROOT CAUSE ANALYSIS & TROUBLESHOOTING**

* Implemented and assessed vital electrical components on amphion rigs both top-side and hull-side, identifying potential system faults before completion of work by engineers.
* Demonstrated expertise in resolving technical problems with little preliminary information, communicating with drill crews to acquire information on issues, investigating independently to implement solutions.
* Harness PLC programs to quickly identify the source of potential downtimes on land rigs and M.O.D.U.s, harnessing experience and foresight to diagnose defective equipment before downtimes occur.

**COMMISSIONING**

* Successfully commissioned six 6th-generation AMPHION rig from start to finish with Arabian drilling company with projects valued at ~$650 million. Serve as subject matter expert on electrical systems. Guaranteed 100% accuracy of physical component assembly, exercising a mind for preventative maintenance to mitigate hazards.
* Implemented and maintained systems to integrate multi-system coordination, using PLC software, electrical tools, and skills in instrumentation. Served as a team member and leader with electricians and electronic technicians. Developed comprehensive understanding of Cyber base infrastructure.
* Mitigated a host of existing issues with older technology, drawing upon extensive instrumentation experience and ingenuity to effectively integrate systems.

**TEAM COLLABORATION**

* Oversee contracted commissioning teams during project operations; implemented daily work scope, system scope and punch list, while guaranteeing adherence to proper procedures and HSE standards during testing and installations.
* Collaborate with professionals outside electrical discipline, including hydraulic and mechanical systems specialists. Contribute to the organization-wide comprehension of complex systems for diverse project teams.
* Provide vital organizational support during project lifecycles, regularly drawing upon continuing education, including experience with firefighting systems.
* Demonstrated collaborative success in securing key sign-offs for documentation, allowing for the completion of critical implementation, maintenance and repair work in a timely manner.
* Actively participate in HSE meetings, to discuss safety hazards and regulations.
* Participates in pre-tour and tool box meetings with all team members.

**HEALTH SAFETY & ENVIRONMENT**

Familiar with occupational Health, Safety and Environment Policies of the organization, Permit To Work System (PTW), well know to use of Personal Protective Equipments (PPE), Life savings and Fire Fighting Equipments, active participation in Safety Drills, Hazards Reporting and Lose Prevention.

**LEAVE SCHEDULE**

Having a rotational working schedule of 5 weeks on and 5 weeks off allows me to have a work life balance.

**EMPLOYMENT HISTORY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Company** | **Designation** | **Rig Type** | **From** | **To** |
| Arabian Drilling | Senior Electrician | Process Platform | Aug 09 | Till-date |
| Arabian Drilling | Electrician | Offshore Jack up Rig | Nov 08 | Jul 09 |
| Essar Oil Limited | Electrician | Semi-Sub | May 06 | Oct 08 |

**EDUCATIONAL QUALIFICATION**

* Diploma in Electrical Engineering Services from Indian Industrial Institute of Technology.
* Diploma in Armature & Motor Rewinding from Indian Industrial Institute of Technology.
* Passed H.S.C. examination with 55% marks from Maharashtra State Board of Secondary & Higher Secondary Education.
* Passed S.S.C. examination with 54.13% marks from Maharashtra State Board of Secondary & Higher Secondary Education.

**ADDITIONAL COURSE & CERTIFICATIONS**

* Completed training in ROSS HILL SCR course
* Sea survival and HUET
* Personal Survival & Fire Fighting Prevention
* Computer aided Maintenance Management course,
* Rigging and lifting, sip(CTA)
* Permit to work, log-out tag-out
* Hazard communication
* Working at height
* First aid CPR
* Hazard identification level 1
* H2s, carrier A C course
* QHSE induction, asbestos awareness
* Confined space training
* Fatigue management
* Mechanical lifting
* Hot firefighting
* Safety STOP for supervisor
* H2s, Finger injury prevention
* Ac and Refrigeration
* E drilling
* Quality Management
* Proficiency in MS Windows 98/Me/2000/XP, Word, Excel, PowerPoint & Internet.

**PERSONAL DATA**

* Name : Ajeesh Surendran
* Religion : Hindu
* Date of Birth : 14th November 1985
* Nationality : Indian
* Marital Status : Single
* Languages : English, Hindi & Malayalam

**REFERENCES**

References available upon request.