VACANCY

RE-ADVERTISEMENT

REFERENCE NR	**:**	**SEME_09_2019**
JOB TITLE	**:**	**Senior Electro-Mechanical Engineer ICT Facilities**
JOB LEVEL	**:**	**E1**
SALARY	**:**	**R 1 054 947 – R 1 507 067**
REPORTS TO	**:**	**HOD: Hosting, Storage, Printing and Cloud Programme**
DIVISION	**:**	**Hosting and Secure Operations**
DEPT	**:**	**Hosting, Storage, Printing and Cloud Programme**
LOCATION	**:**	**Pretoria**
POSITION STATUS	**:**	**Permanent (Internal/External)**

Purpose of the job

Design, ensure maintenance, monitor and optimize all mechanical and electrical systems including but not limited to: HVAC/CRAC, chillers, air handlers, UPS, switchgear, standby generators, of the Data Centre facilities infrastructure in the Head Office, (Centurion, Beta, Numerus and Provincial Management domains.

The electro mechanical engineer will be involved in the development of complex electrical infrastructure from site assessments and concept design to green field construction and major modification of existing infrastructures on National capital projects.

Key Responsibility Area

Overall Design and/or review and management of the data centre power and cooling capacity;

Ensure up time of datacentre power and cooling infrastructure;

Project management of Data centre power and cooling infrastructure projects;

To ensure Business continuity planning;

Manage and empower staff; and

Compile budgets and onitor/control the budget so that the expenditure is within the approved budget.

Qualifications and Experience

Minimum: Bachelor Degree/B.Tech in Electrical Engineering with emphasis on building power/utilities system is required. Registration as an Electrical Professional with the Engineering Council of South Africa is required for at least 8 years. Additional qualifications in Mechanical Engineering will be an added advantage. **Related/equivalent qualification for this position**: Honor's degree in related field.

Experience: +8 years industry related electrical power engineering experience which should include: Design, construction and equipment operation and maintenance of electrical and mechanical plant in the area of complex ICT facilities:

- Experience with (building) power system analysis and engineering
- Experience with (building) HVAC system analysis and engineering
- Experience in bidding, designing, operating, and commissioning of electrical distribution system for ICT facilities from high voltage (HV) transformer to branch circuits and backup power
- Experience in bidding, designing, operating, and commissioning of HVAC system for ICT facilities
- Experience with Data Centre operations including detailed comprehension of high availability systems; and
- Experience with project management, product evaluation, vendor or customer management.
- Experience with reviewing estimates of material and labour costs for repairs, replacements, and improvements to ensure that repairs are addressed in a timely and cost effective manner, on the electrical and mechanical plant in the area of complex ICT facilities.

Technical Competencies Description

Knowledge of: General management practices. People management and development. Corporate governance. Customer relationship management. Organisational transformation and change. Property management practices. Safety and environmental regulations and issues. ICT Facilities management techniques, methods and practices. Transformers, electric switchgear, automatic transfer switches, UPS system, UPS battery systems, motors, open and molded case breakers, electric circuits, electric heating coils, controls of all types and electrical materials of all types. Chillers, air handling units, cooling towers, direct expansion air conditioning systems. PFMA (Public financial management skills). Mechanical and control systems. Low and medium voltage electrical gear and distributions.

Skills: Negotiation and networking skills; Conflict Handling; Integrity. Basic budgeting and Finance Management; risk Management. Asset management. Stakeholder Management. Strong analytical, Problem solving and decision-making skills. Compiling design drawings and specifications. Ability to analyse existing systems and associated. Monitoring equipment to troubleshoot and resolve problems. Ability to develop and update process and instrumentation diagrams, sequence of operations. Project Management skills (strong ability to identify, prioritize, plan, execute, and follow up on numerous assignments in a dynamic environment). Computer/software skills – Outlook, Excel, Word, Excellent facilitation, collaboration, and communication skills necessary to interface effectively with business partners, external suppliers, direct reports and team members (local and international). Design & Maintenance of emergency power sources (UPS generator & batteries). Design and maintenance of high availability power and cooling installations. Strong data centre electrical system skills, strong data centre hvac system skills. Compilation of bid documents. Contract management. Data Centre Capacity Planning and Capacity Management.

Other Special Requirements

None

How to apply

Kindly send your CV to**:** lerato.recruitment@sita.co.za

Closing Date: 20 September 2018

Disclaimer

SITA is an Employment Equity employer and this position will be filled based on Employment Equity Plan. Correspondence will be limited to short listed candidates only. Preference will be given to people from the designated groups.

- If you do not hear from us within two months of the closing date, please regard your application as unsuccessful.
- Applications received after the closing date will not be considered, please clearly indicate the reference number of the position you are applying for.
- It is the applicant`s responsibility to have foreign qualifications evaluated by the South African Qualifications Authority (SAQA).
- Only candidate who meet the requirements should apply.
- SITA reserves a right not to make an appointment.
- Appointment is subject to getting a positive security clearance, the signing of a balance score card contract, verification of the applicants documents (Qualifications), and reference checking.
- Correspondence will be entered to with shortlisted candidates only.
- Applications from Recruitment Agencies will not be considered.