



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF WATER AND SANITATION
CLOSING DATE: 14 August 2023

NOTE: Interested applicants must submit their applications for employment to the address specified on each post. Applications must be submitted using the newly implemented Z83 form obtainable on the Department of Water and Sanitation's website, under career opportunities or the DPSA website, under vacancies in the Public Service (point 4) and should be accompanied by a comprehensive CV (with full particulars of the applicants' training, qualifications, competencies, knowledge & experience). All required information on the Z83 application form must be provided. Other related documentation such as copies of qualifications, identity document, driver's license etc need not to accompany the application when applying for a post as such documentation must only be produced by shortlisted candidates during the interview date in line with DPSA circular 19 of 2022. With reference to applicants bearing professional or occupational registration, fields provided in Part B of the Z83 must be completed as these fields are regarded as compulsory and such details must also be included in the applicants CV. For posts requiring a driver's license, annotate such details on CV. Failure to complete or disclose all required information will automatically disqualify the applicant. No late, applications will be accepted. A SAQA evaluation certificate must accompany foreign qualification/s (only when shortlisted). Applications that do not comply with the above-mentioned requirements will not be considered. Candidates will be required to complete a financial disclosure form and undergo a security clearance. Foreigners or dual citizenship holders must provide a police clearance certificate from country of origin (only when shortlisted). The Department of Water Sanitation is an equal opportunity employer. In the filling of vacant posts, the objectives of section 195 (1) (i) of the Constitution of South Africa, 1996 (Act No: 108 of 1996) the Employment Equity imperatives as defined by the Employment Equity Act, 1998 (Act No: 55 of 1998) and relevant Human Resources policies of the Department will be taken into consideration. Correspondence will be limited to short-listed candidates only. If you do not hear from us within three (3) months of this advertisement, please accept that your application has been unsuccessful. Faxed or emailed applications will not be considered. The department reserves the right not to fill these positions. Women and persons with disabilities are encouraged to apply and preference will be given to the EE Targets.

POST: CONTROL ENGINEERING TECHNOLOGIST GRADE A (ELECTRICAL) REF NO: 140823/03

BRANCH: INFRASTRUCTURE MANAGEMENT: HEAD OFFICE

SALARY: R831 309 per annum (all-inclusive OSD salary package)

CENTRE: Pretoria Head Office

REQUIREMENTS: A Bachelor of Technology (B Tech) in Engineering or relevant qualification. Six (6) years post qualification Engineering Technologist experience required. Compulsory registration with ECSA as an Engineering Technologist. The disclosure of a valid unexpired driver's license. Understanding of programme and project management. Knowledge of engineering design and analysis. Knowledge of research and development. Knowledge of legal compliance, technical and report writing. Knowledge of engineering specification development, testing, installation, commissioning, and maintenance of distribution transformers, induction motors, soft starters, variable speed drives, motor control panels, power cables, overhead lines, medium and low voltage switchgears. Knowledge of relay protection settings and coordination. Knowledge of engineering principles and methodologies, engineering processes and procedures. Computer-aided engineering applications. Knowledge of fault finding; development, testing, installation, and commissioning of Programmable Logic Controllers (PLCs) and SCADA System.

DUTIES: Design new systems to solve practical engineering challenges to improve efficiency and enhance safety. Develop cost effective solutions according to standards. Evaluate existing technical manuals, standard drawings, and procedures to incorporate new technology. Inspect, diagnose, test, design and produce specifications for the PLC and SCADA system in accordance with the departmental standards. Inspect, diagnose, test, design and produce the specifications for distribution transformers, induction motors, soft starters, variable speed drives, motor control panels, power cables, overhead lines, medium and low voltage switchgears, and any other electrical related equipment. Check protection relay settings and perform secondary injection testing to verify trip characteristics, trip actuator and latch mechanisms. Provide input into existing technical manuals, standard drawings, specification, and procedures to incorporate new technologies. Ensure quality assurance in-line with specifications. Conduct fault finding repairs on electrical breakdowns: Diagnose fault through the application of visual and other related electrical inspection and investigation procedures. Ensure thorough evaluation that planning and design by others is done according to sound engineering principles. Ensure training and development of technicians, technologists, and candidate engineers. Manage resources, prepare, and consolidate inputs for the facilitation of resource utilization. Monitor and control expenditure.

ENQUIRIES: Mr. E Manhimanzi, Tel: 012 336 8621

APPLICATIONS: Pretoria (Head Office): Please forward your application quoting the relevant reference number to the Department of Water and Sanitation, Private Bag X350, Pretoria, 0001 or hand deliver to Delta Continental Building, Corner of Visagie and Bosman Street, Pretoria, 0001, For Attention: Recruitment and Selection Unit.