

## 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 Sanitations 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.

## OTHER POSTS

**POST 26/171** : **CHIEF ENGINEER GRADE A REF NO: 140823/01**  
Branch: Provincial Coordination and International Cooperation: Mpumalanga

**SALARY** : R1 146 540 per annum, (all-inclusive OSD salary package)

**CENTRE** : Mbombela

**REQUIREMENTS** : An Engineering degree (B Eng / BSc (Eng) or relevant Civil Engineering qualification. Six (6) years post qualification experience. Compulsory registration with ECSA as a professional Engineer. The disclosure of a valid unexpired driver's licence. Knowledge and understanding of government legislations relevant to the sector. Knowledge and understanding of government procurement for the infrastructure projects. Understanding of programme and project management. Knowledge of engineering, legal and operational compliance. Knowledge of Mobile equipment operating engineering design and analysis. Knowledge in maintenance, engineering code of conduct, risk management, technical report writing, and financial management. Research and development skills. Computer-aided engineering applications. Creation of high-performance culture. Technical consulting. Engineering and professional judgement. Good communication skills (both verbal and written). People management, planning and organising, conflict, change management, and negotiation skills. Strategic capability and leadership, problem solving and analysis, decision making, team leadership, creativity, customer focus and responsiveness.

**DUTIES** : Render technical advice and support to WSA's as project managers. Ability to monitor the development and assessment of technical reports. Feasibility studies of all infrastructure project implemented by the department. Approval /

Acceptance of all technical designs for projects implementation under the department. Provide technical and professional advice on the development needs and conceptualize possible solutions to meet water demands. Carry out monitoring of feasibility studies. Monitor refurbishment projects of bulk water infrastructures. Manage administrative, financial and personnel related matters. Conduct field inspections on implementing projects to ensure compliance towards norms and standards of Water Sector Support. Engineering principles are to be applied to ensure water service infrastructure development and maintenance programme and project management, legal and operational compliance. Assist in developing annual business plans and budget for the directorate. Revise plans quarterly. Provide verbal and written reports to the manager. Manage Professional Service Providers (PSP's) contracts. Oversee and manage all work conducted by PSP's. Delegate work to PSP's. Oversee and monitor all PSP contracts.

- ENQUIRIES** : Ms M. Matiso Tel No: (013) 759 7330 Ms FM Mkhwanazi Tel No: (013) 759 7515 / Ms ND Ndlovu Tel No: (013) 759 7436, Ms PC Ngwamba Tel No: (013) 759 7446
- APPLICATIONS** : Mpumalanga (Mbombela) Please forward your application quoting the relevant reference number to the Department of Water and Sanitation, Private Bag X11259, Mbombela, 1200 or hand deliver at Cnr Brown & Paul Kruger Street, Ground Floor, Prorum Building, Mbombela, 1200.
- FOR ATTENTION** : Ms FM Mkhwanazi
- POST 26/172** : **CONTROL ENGINEERING TECHNOLOGIST GRADE A: CIVIL REF NO: 140823/02**  
 Branch: Provincial Coordination and International Cooperation  
 CD: Provincial Operations Gauteng  
 (Re-advertisement applicants who previously applied are encouraged to re-apply)
- SALARY CENTRE REQUIREMENTS** : R831 309 per annum, (all-inclusive OSD salary package)  
 : Gauteng Provincial Office  
 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 a Professional Engineering Technologist. The disclosure of a valid unexpired driver's license. Knowledge and understanding of hydrological processes. Demonstration of good understanding and competence in all aspects of hydrometry. Understanding of programme and project management. Technical design and analysis knowledge. Knowledge of research and development. Knowledge of computer-aided engineering applications and legal compliance. Technical report writing, technical consulting, networking professional judgment, problem solving and analysis. Decision making, team leadership, creativity, change management and financial management. Customer focus and responsiveness. Good communication skills (both verbal and written). Planning and organizing, and people, management skills. Willing to travel long distances and work away from home when needed. Must be prepared to undergo extensive in-house training at different locations.
- DUTIES** : Manage technological advisory services. Plan technological support to engineers and associate professionals in the field. Ensure the adherence and promotion of safety standards in line with statutory and regulatory requirements. Solve broadly defend technological challenges through application of proven techniques and procedures. Develop, maintain, and manage current technologies. Monitoring and evaluation of technological designs. Evaluate and monitor existing technical manuals, standard drawings, and procedures to incorporate new technology. Ensure quality assurance of technical designs with specifications and make recommendations for approval by the relevant authority. Identify and optimize technical solutions by applying engineering principles. Manage administrative and related functions. Provide inputs into the budgeting process. Compile and submit reports as required. Provide and consolidate inputs to the technological/ engineering operational plan. Ensure the development, implementation, and maintenance databases. Research / literature studies on engineering technology to improve expertise. Liaise with relevant bodies / councils on engineering related matters. Research and development, continuous professional development to keep up with new technologies and procedures. Assist the manager in the Gauteng provincial operations in establishing an effective, efficient, and accurate data and quality

management system. Manage the day-to-day hydrometry investigations, quality of data, planning of data collection, processing of data, and calibration for the hydrological network within Gauteng provincial operations. Provide guidance, assistance, supervision, and training of technical personnel in all aspects of hydrometry. Ability to perform land surveying when needed for calibration purposes. Apply commercial software and in-house computer software to achieve maximum efficiency in performing duties. Calibration of Gauging Weirs. Perform quality control tasks on processed time series data. Research on station history and updating of hydstra database. Data dissemination. Provide leadership in terms of the planning, programming and execution of data collection, water samples, maintenance, near real time systems and data processing and archiving. Attending meetings, workshops and forums related to the sub directorate. Research new technology relevant to hydrological services. Co-ordinating Flow measurements using various flow techniques (Conventional current gauging and Acoustic Current Doppler Profilers), during the high flow season. Auditing flow measurements performed by technical staff. Manage and supervise technological and related personnel and assets.

- ENQUIRIES** : Ms N Mabe Tel No: (012) 392 1399
- APPLICATIONS** : Gauteng Provincial 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 at 285 Bothongo Plaza East, Francis Baard Street, 15th Floor, Pretoria, 0001.
- FOR ATTENTION** : Daniel Masoga
- POST 26/173** : **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 through 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 APPLICATIONS** : Mr. E Manhimanzi Tel No: (012) 336 8621  
 : 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

**POST 26/174** : **GISC PROFESSIONAL GRADE A REF NO: 140823/04**  
 Branch: Provincial Coordination and International Coordination: Northern Cape  
 Sd: Water Resource Data Management

**SALARY CENTRE REQUIREMENTS** : R687 879 per annum, (all-inclusive OSD salary package)  
 : Kimberley  
 : 4-year bachelor's degree in (GISc) (NQF Level 7) or relevant qualification. Three (3) years post qualification (GISc) professional experience required. The disclosure of a valid unexpired driver's license. Compulsory registration with South African Geomatic Council (SAGC) as a (GISc) professional on appointment. Knowledge of programme and project management. Understanding of financial management and other policies. Knowledge of (GISc), legal and operational compliance. Knowledge of spatial modelling design and analysis. Problem solving and analysis. Good communication skills both (verbal and written).

**DUTIES** : Provide GISc to support institutional decision-making. Plan coordinate and facilitate GISc project activities. Execute mapping for internal and external clients. Undertake the system requirements analysis. Conduct the cost benefit analysis and execute the functional requirement analysis. Manage and supervise benchmarking. Develop conceptual database design. Execute high level user requirement analysis and develop processing model and workflow diagram. Develop and implement spatial and other standards. Determine capacity requirements. Policy making and institutional guidance, Identify and understand underlying strategic issues. Identify and analyze relevant strategic information. Oversee the process of advanced spatial analysis and modelling for institutional strategic guidance. Develop and evaluate alternative strategic solutions and recommend the best possible policy direction. Research, identify, investigate, and evaluate new technologies and advise on research viability and feasibility. Undertake environmental scanning to understand the problems in the GISc industry and advise. Develop an appropriate plan to respond to the research problem. Compile reports and make relevant proposals. Participate and liaise with relevant bodies and council on GISc matters. Manage human resources requirements. Draft Tender documents and terms of reference. Draft service level agreements. Determine project cost and quality level. Develop contingency plans. Adhere to financial legislation and regulations. Review and monitor budget to ensure that the required financial procedures are adhered to.

**ENQUIRIES APPLICATIONS** : Mr. B Viljoen Tel No: (053) 830 8800  
 : Northern Cape (Kimberley): Please forward your application quoting the relevant reference number to: The Provincial Head, Department of Water and Sanitation, Private Bag X6101, Kimberley, 8801 or hand-deliver to 28 Central Road, Beaconsfield, Kimberley, 8301.

**FOR ATTENTION** : Ms. C Du Plessis

**POST 26/175** : **CONTROL ENGINEERING TECHNICIAN GRADE A REF NO: 140823/05**  
 Branch: Provincial Coordination and International Cooperation: Northern Cape  
 Sd: Water Service Planning Support

**SALARY CENTRE REQUIREMENTS** : R499 275 per annum, (all-inclusive OSD salary package)  
 : Kimberley  
 : A National Diploma in Engineering or relevant Engineering qualification. Six (6) years post qualification in technical Engineering experience. Compulsory registration with Engineering Council of South Africa (ECSA) as a Professional Engineering Technician. The disclosure of a valid unexpired driver's license. Knowledge of technical design and analysis of hydrological infrastructure and/or water resource infrastructure. Knowledge of hydrological data management. Understanding of research and development. Knowledge and experience in computer-aided engineering applications. Knowledge of legal compliance and project management. Technical report writing. Good communication skills (both verbal and written), conflict management and

negotiation skills. Problem solving and analysis, decision making, teamwork, creativity, financial management, people management, customer focus and responsiveness, planning and organizing. Must be prepared to work away from the office and travel extensively for extended periods of time.

**DUTIES**

: Manage technical services and support in conjunction with engineers, technologist and associates in the field, workshop, and technical hydrological activities. Ensure the promotion of safety in line with statutory and regulatory requirements. Evaluate existing technical manuals, standard drawings, and procedures to incorporate new technology. Ensure quality control of hydrological time series data. Manage the registration of hydrological data on Hydstra. Manage the maintenance of surface water gauging sites. Ensure performance of control surveys, stream flow gauging and calibration. Monitor real time data of gauging sites, perform site evaluations and monitor instrumentation. Manage administrative, human resource and related functions. Provide inputs into the budgeting process, operational plan, procurement plan and related matters. Compile and submit reports as required. Attend to risk and disaster management matters. Research through continuous professional development to keep up with new technologies and procedures. Provide mentorship and supervision of personnel. Research/literature studies on technical engineering technology to improve expertise. Liaise with relevant bodies/councils on engineering related matters.

**ENQUIRIES**

: Mr. K Kgarane Tel No: (053) 830 8852

**APPLICATIONS**

: Northern Cape (Kimberley): Please forward your application, quoting the post reference number, to: The Provincial Head, Department of Water and Sanitation, Private Bag X6101, Kimberley, 8801 or hand-deliver to 28 Central Road, Beaconsfield, Kimberley, 8301.

**FOR ATTENTION**

: Ms C Du Plessis.