



DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

The Department of Public Works and Infrastructure is an equal opportunity and affirmative action employer. The filling of the positions as advertised will be positively biased towards persons with disabilities and women in Senior Management Services (SMS). An indication by candidates in this regard will facilitate the processing of applications.

PRODUCTION ENGINEER: CIVIL (TRAFFIC AND TRANSPORTATION ENGINEERING)

SALARY: ALL-INCLUSIVE OSD SALARY PACKAGE OF R 751 542.00 PER ANNUM | CENTRE: HEAD OFFICE | REF NO: 2021/58

REQUIREMENTS: •A BSc. or BEng in Civil Engineering •A minimum of 3 years relevant post-qualification experience in the field of civil engineering •Compulsory registration as a Professional Engineer with the Engineering Council of South Africa (Professional Engineering Technologist will not be considered) •Experience in various areas of traffic and transportation engineering, which includes, but not limited to: •geotechnical investigations and designs •traffic impact assessments, traffic engineering designs, operations and simulation (modelling), geometric and pavement designs •Exposure to the main contracts used in the civil engineering industry •Good understanding of the CIDB standard for uniformity •Knowledge of the Infrastructure Delivery Management System (IDMS) and Standard for Infrastructure Procurement and Delivery Management (SIPDM) will serve as an advantage •Good communication skills •Excellent technical report writing and presentation skills •Innovative problem solving ability •Ability to work independently •Applied knowledge of all relevant Built Environment legislative/regulatory requirements of National and International standards •A valid driver's licence (minimum Code B) and the ability/willingness to travel are essential.

DUTIES: •Technical evaluation of professional service providers' and contractors' bids •Review and acceptance of the professional service provider's concept and detailed design •Assist in the compilation of tender documentation •Conduct technical inspections and integrity surveys on various civil engineering assets •Conduct quality control over the work of the consultant and the contractor during the execution phase of the project •Conduct minor traffic studies under supervision of a chief engineer •Assist project managers in resolving technical disputes arising at different stages of the project •Review and audit final professional civil engineering accounts and construction contract final accounts •Accept responsibility for the development, implementation, review and regular updating of standardised civil engineering practice manuals for the Department •Undertake in-house designs, documentation and implementation of minor projects.

ENQUIRIES: Mr M. Ramushu, tel. (012) 406 2109.

CONTROL ENGINEERING TECHNICIAN: CIVIL (DOLOMITE PROJECTS)

SALARY PACKAGE OF R446 202.00 PER ANNUM

CENTRE: HEAD OFFICE | REF NO: 2021/59

REQUIREMENTS: •A 3-year Tertiary qualification in Civil Engineering (A BTEch qualification in Civil Engineering will serve as an advantage) •A minimum of 6 years relevant post qualification experience in the field of civil engineering •Compulsory registration as a Professional Engineering Technician with the Engineering Council of South Africa •Experience in various fields of civil engineering, which includes, but not limited to: •geotechnical investigations and designs •water engineering (design and construction of: bulk water services, connector infrastructures, reticulation systems, water reservoirs, waste water and water treatment works) •construction materials •Experience in design and construction of civil engineering infrastructure on dolomite land •Knowledge of SANS 1936 which deals with classification of dolomite-related infrastructure •Knowledge of PW 347 which deals with dolomite related projects •Management of Dolomite Projects and Service Providers •Advanced computer aided design experience within the AutoCAD environment and the ARC GIS suite of programmes •Exposure to the main contracts used in the civil engineering industry •Good understanding of the CIDB standard for uniformity •Knowledge of the Infrastructure Delivery Management System (IDMS) and Standard for Infrastructure Procurement and Delivery Management (SIPDM) will be an added advantage •Good communication skills •Excellent technical report writing and presentation skills •Applied knowledge of all relevant Built Environment legislative/regulatory requirements of National and International standards •A valid driver's licence (minimum Code B) and the ability/willingness to travel are essential.

DUTIES: •Technical evaluation of professional service providers' and contractors' bids •Review and acceptance of the professional service provider's concept and detailed design •Conduct quality control over the work of the consultant and the contractor during the execution phase of a project •Attend on-site technical meetings on behalf of the department •Assist project managers in resolving technical disputes arising at different stages of the project •Conduct in-house designs on selected elements under the supervision of a professional engineer/technologist •Verify and confirm the consultants fee accounts and claims •Drafting of complex designs undertaken by professional engineers and technologists.

ENQUIRIES: Mr M. Ramushu, tel. (012) 406 2109.

CONTROL ENGINEERING TECHNICIAN: CIVIL

SALARY PACKAGE OF R446 202.00 PER ANNUM

CENTRE: HEAD OFFICE (X2 POSTS) | REF NO: 2021/60

REQUIREMENTS: •A 3-year Tertiary qualification in Civil Engineering (A BTEch qualification in Civil Engineering will serve as an advantage) •A minimum of 6 years relevant post qualification experience in the field of civil engineering •Compulsory registration as a Professional Engineering Technician with the Engineering Council of South Africa •Experience in various fields of civil engineering, which includes, but not limited to: •geotechnical investigations and designs •water engineering (design and construction of: bulk water services, connector infrastructures, reticulation systems, water reservoirs, waste water and water treatment works) •construction materials •Advanced computer aided design experience within the AutoCAD environment •Exposure to the main contracts used in the civil engineering industry •Good understanding of the CIDB standard for uniformity •A valid driver's licence (minimum Code B) and the ability/willingness to travel are essential.

DUTIES: •Technical evaluation of professional service providers' and contractors' bids •Review and acceptance of the professional service provider's concept and detailed design •Conduct quality control over the work of the consultant and the contractor during the execution phase of a project •Attend on-site technical meetings on behalf of the department •Assist project managers in resolving technical disputes arising at different stages of the project •Conduct in-house designs on selected elements under the supervision of a professional engineer/technologist •Verify and confirm the consultants fee accounts and claims •Drafting of complex designs undertaken by professional engineers and technologists.

ENQUIRIES: Mr M. Ramushu, tel. (012) 406 2109.

SCIENTIFIC TECHNICIANS: WATER CARE

SALARY: ALL-INCLUSIVE SALARY PACKAGE OF R311 859.00 PER ANNUM

CENTRE: CAPE TOWN REGIONAL OFFICE (X2 POSTS) | REF NO: 2021/61

REQUIREMENTS: •A 3-year Tertiary qualification in Water Care or Analytical Chemistry, Chemical Engineering and a Water and Sanitation Qualification with relevant exposure or experience in water and wastewater treatment •Valid motor vehicle driver's licence •Registration with SACNASP as a Certified Natural Scientist is compulsory •Three years minimum post qualification experience demonstrating a high level of competencies in water and wastewater treatment demonstrating a high level of knowledge of commercially available plants •A sound understanding of legislation pertaining to water and the environment •Performance of analytical techniques for the analysis of water samples, handling of glassware and electronic laboratory equipment and the handling of the treatment plants equipment (pumps, dosing, siphons, distribution arms on bio filters, aerators, mechanical screens, etc.) •Computer literacy •Good communication (verbal and written) and human relations skills •Technical problem solving abilities, reasoning and persuasion abilities •Understanding of technology with regard to drinking and wastewater treatment processes •Working knowledge of the design and operational procedures of water care facilities will be of a great advantage •Knowledge of the applicable legislative framework, such as the Water Act, Water Service Act, National Environmental Management Act and relevant Regulations, e.g. Blue Green No Drop.

DUTIES: •Schedule inspections on a weekly, monthly, quarterly and six monthly basis •Sampling of drinking and wastewater treatment plants, final effluent and plant components as necessary •Interpret and review Operation and Maintenance Manual and as built drawings •Operator training as necessary •Assessment of drinking and wastewater plants and the relevant processes •Evaluation of commercially available plants •Technical problem solving, and amongst others, analysis of final effluent •Perform calculations for the determination of sludge age, dosage quantities, etc. from drinking and wastewater treatment plants •Report writing on compliance/non-compliance of plants •Liaison with Chief Scientific Technician (Analytical Services) on laboratory administration •General housekeeping and care for electronic apparatus •Interpretation of analytical data and problem identification •Establishment of inspection routine schedules •Yearly visit to Antarctica for the maintenance of the water care facilities at the South African research base •Compilation of reports on final drinking water and wastewater quality •Assessment and recommendations on improvement of water quality •Forming partnerships with Project Managers in addressing challenges during Water Management related projects execution.

ENQUIRIES: Mr T.M. Moloi, tel. (012) 406 2099.

APPLICATIONS for the above post only must be forwarded to the CAPE TOWN REGIONAL OFFICE: The Regional Manager, Department of Public Works and Infrastructure, Private Bag X9027, Cape Town, 8000 or hand-deliver at: Customs House Building, Lower Heerengracht Road, Cape Town.

APPLICATIONS: The Director-General, Department of Public Works and Infrastructure, Private Bag X65, Pretoria, 0001 or CGO Building or hand-deliver at: Corner Bosman and Madiba Streets, Pretoria. Attention: Ms N.P. Mudau.

Applications must be submitted on a signed new Z83 form, obtainable from any Public Service Department and must be accompanied by a comprehensive CV, originally certified copies of qualifications (Matric certificate, certificates of qualifications), a valid Driver's Licence (where required) and Identification Document (certified within 6 months). Applications not complying with the above will be disqualified. It is the responsibility of all applicants to ensure that foreign and other qualifications are evaluated by SAQA. Recognition of prior learning will only be considered on submission of proof by candidates. Kindly note that appointment will be subject to verification of qualifications and a security clearance. Emailed, faxed or late applications will NOT be accepted. Should you not have heard from us within the next months, please regard your application as unsuccessful.

Shortlisted candidates must be willing to undergo normal vetting and verification processes. Entry level requirements for SMS posts: In terms of the Directive on Compulsory Capacity Development, Mandatory Training Days and Minimum Entry Requirements for SMS that was introduced on 1 April 2015; a requirement for appointment into SMS posts from 1 April 2020 is the successful completion of the Senior Management Pre-Entry Programme as endorsed by the National School of Government (NSG). The course is available at the NSG under the name Certificate for entry into SMS and the full details can be obtained by following the below link: <https://www.thensg.gov.za/training-course/sms-pre-entryprogramme/>.

All shortlisted candidates for SMS positions will be subjected to a compulsory technical or competency-based test that forms part of the interview process. Following the technical exercise and the interview, the selection panel will identify candidates to undergo a generic management competency assessment and the successful candidate must be willing to sign a performance agreement and be subjected to security clearance.

CLOSING DATE:
19 MARCH 2021
AT 16H00



DIRECTOR: SUPPLY CHAIN MANAGEMENT (2 POSTS)

SALARY: ALL-INCLUSIVE SALARY PACKAGE OF R1 057 326.00 PER ANNUM (TOTAL PACKAGE TO BE STRUCTURED IN ACCORDANCE WITH THE RULES OF THE SENIOR MANAGEMENT SERVICE)

CENTRES: BLOEMFONTEIN REGIONAL OFFICE | REF NO: 2021/55 A JOHANNESBURG REGIONAL OFFICE | REF NO: 2021/55 B

REQUIREMENTS: •An Undergraduate qualification (NQF Level 7) in either Supply Chain Management, Public Administration, Economic Management Sciences or the Built Environment Profession •Certificate of Entry into Senior Management Services •Five (5) years experience at Middle/Senior management level in Supply Chain Management, Movable Assets Management, Provisioning Administration, LOGIS, BAS, Procurement and GMC/CMC/SIPDM/SLLPPS. **KNOWLEDGE:** •Thorough knowledge and understanding of procurement-related legislation, including the Public Finance Management Act, Framework for Supply Chain Management, Framework for Minimum Training and Deployment, Code of Conduct for Supply Chain Management Practitioners, Treasury Regulations, Preferential Procurement Policy Framework Act, Broad Based Black Economic Empowerment Act, State Information Technology Act, Public Service Act, Public Service Regulations, Promotion of Access to Information Act, Government procurement systems and processes, Financial management and systems. **SKILLS:** •Management skills •Analytical thinking •Language proficiency •Report writing •Numeracy •Research •Organising and planning •Computer literacy •Advanced interpersonal and diplomacy skills •Decision making •Project management •Effective communication •Report writing •Interpersonal relations. **PERSONAL ATTRIBUTES:** •Innovative •Creative •Resourceful •Energetic •Helpful •Ability to work effectively and efficiently under sustained pressure •Ability to meet tight deadlines •Ability to communicate at all levels •People orientated •Trustworthy/Reliable •Assertive •Hard working •Highly motivated •Ability to work independently •Ability to work under stressful situations.

DUTIES: •Manage the development and implementation of and update policies and strategies •Make recommendations for changes and improvements to existing standards, policies and procedures •Manage the implementation of approved policies and procedures •Monitor work activities to ensure compliance with established policies and procedures •Manage and control the demand function in relation to goods and services, infrastructure demand and property demand •Manage the Demand Management process •Identify preference points system and appropriate goals per commodity in terms of preferential procurement policy objectives and Preferential Procurement Regulations •Oversee, coordinate, and advise on the process of drafting specifications/terms of reference and special conditions of contract •Compile a procurement plan •Manage and control the acquisition function in relation to goods and services, infrastructure and property •Oversee the utilization of the Central Supplier Database in the bid/quotation processes •Control and oversee a compliant execution of the bid/quotation processes •Ensure that integrity of all procurement functions is maintained •Manage the establishment of the bid specification, bid evaluation and bid adjudication committees •Oversee the proper functioning of the committees •Chair the Sub-Bid Adjudication Committee meetings •Report on the performance of the committees •Manage contracts by ensuring supplier compliance and performance is monitored, managed and reported for corrective measures •Management of logistic support services •Ensure implementation in compliance with the Framework for Supply Chain Management •Manage the procurement of assets, supplies and services •Manage the vehicle fleet •Manage transport and travelling •Manage Auxiliary Services and Archives •Establish and manage service level agreements with service providers •Manage and control the movable assets and maintain an accurate and complete movable asset register •Put in place monitoring controls for movement of assets •Ensure that proper procedures are followed with the movement of assets •Implement effective systems of movable assets verification within the Region •Maintain the movable assets register on the system •Compile movable asset acquisition, disposal and maintenance plans •Ensure that maintenance information is registered on systems •Manage and monitor the warranties and guarantees of movable assets •Ensure the effective and efficient disposal of movable assets •Manage financial reporting processes on movable assets •Design and implement measures to eliminate fraud and corruption within SCM processes.

ENQUIRIES: Mr R. Naidoo, tel. (012) 406 1191.

DIRECTOR: DEMAND AND ACQUISITION MANAGEMENT

SALARY: ALL INCLUSIVE SALARY PACKAGE: R1057 326.00 PER ANNUM (TOTAL PACKAGE TO BE STRUCTURED IN ACCORDANCE WITH THE RULES OF THE SENIOR MANAGEMENT SERVICE)

CENTRE: HEAD OFFICE | REF NO: 2021/56

REQUIREMENTS: •An undergraduate qualification (NQF Level 7) Bachelor's degree in Finance or Procurement •Five (5) years experience at Middle/Senior management level in the Built Environment (Capital and Maintenance), Asset Management (Leasing, Acquisition and Disposal), Provisioning Administration and general management administration •Certificate of Entry into Senior Management Services. **KNOWLEDGE:** •Thorough knowledge and understanding of procurement-related legislation, including, the Public Finance Management Act, Framework for Supply Chain Management and Built Environment Professions Acts (Council for the Built Environment Act, Architectural Professions Act, Landscape Architectural Professions Act, Engineering Professions Act, Property Valuation Professions Act, Project and Construction Management Professions Act and Quantity Surveying Professions Act) •Framework for Minimum Training and Deployment •Code of Conduct for Supply Chain Management Practitioners •Treasury Regulations •Preferential Procurement Policy Framework Act •State Information Technology Act •Public Service Act and Public Service Regulations •Thorough knowledge and understanding of Government procurement systems and processes •Understanding of the built environment and property industries •Financial management •Financial systems •Sound knowledge of preferential and targeting strategies as well as the development programmes of the Department. **SKILLS:** •Strategic management •Programme and project management •Senior management skills •Sound analytical and problem identification and solving skills •Computer literacy •Numeracy •Database management •Relationship management •Interpersonal and diplomacy skills •Decision making skills •Motivational skills •Presentation •Negotiation skills •Advanced communication skills (including report writing) at all levels. **PERSONAL ATTRIBUTES:** •Ability to interact with clients and stakeholders in a professional and assertive manner •High ethical standards •Able to conduct business with integrity and in a fair and reasonable manner •Ability to promote mutual trust and respect •Innovative •Creative •Solutions orientated •Ability to design ideas without direction •People orientated •Hard-working •Highly motivated •Ability to work effectively and efficiently under sustained pressure •Ability to meet tight deadlines whilst delivering excellent results. **OTHER:** •A valid driver's licence •Willing to adapt to a work schedule in accordance with professional requirements •Willingness to travel.

DUTIES: •Design, implement and manage the procurement model-research and design procurement processes •Design, develop and manage the Departmental procurement model •Ensure compliance with the Framework for Supply Chain Management •Establish and manage the Supplier Register •Manage procurement processes related to: •Built Environment (Capital and Maintenance) •Asset Management (Leasing, Acquisition and Disposal) •Provisioning Administration •Manage the Bid Committee process •Ensure adherence to prescripts of the Construction Industry Development Board in the case of a bid relating to the construction industry •Provide advice regarding the appointment of consultants according to instructions and selection methods •Provide procurement-related support and development •Develop, implement and maintain related policies and procedures •Monitor and evaluate compliance of procurement processes with relevant policies and procedures •Analyse and report on Black Economic Empowerment and development programmes •Maintain and report statistics on the procurement model •Implement and maintain a system for reporting and evaluation of procurement awards •Provide advisory support to management on the implementation of the most appropriate procurement methods, when such expertise is required •Provide operational support and related training and development •Communicate with industry suppliers regarding the procurement model •Liaise and interact with other state institutions regarding the procurement model and the implementation thereof •Manage the Directorate •Manage office administration services •Manage human resources, equipment and finances •Manage employment-related processes.

ENQUIRIES: Mr R. Naidoo, tel. (012) 406 1191.

CONTROL ENGINEERING TECHNOLOGIST: STRUCTURAL

SALARY: ALL-INCLUSIVE OSD SALARY PACKAGE OF R751 542.00 PER ANNUM (TOTAL PACKAGE TO BE STRUCTURED IN ACCORDANCE WITH THE RULES OF THE OSD) | CENTRE: HEAD OFFICE | REF NO: 2021/57

REQUIREMENTS: •A BTEch degree in Civil Engineering •Compulsory registration as a Professional Engineering Technologist (Pr Eng.) with the Engineering Council of South Africa •A minimum of 6 years post-qualification experience as a Structural Technologist •Extensive experience in the field of structural engineering, which includes, but not limited to: •design and construction of concrete structures •Steel structures and masonry structures •Experience in the interpretation of geological information and data obtained from geotechnical investigations and the application thereof in the design of building foundations •Exposure to the four main contracts used in the civil engineering industry •Good understanding of the CIDB standard for uniformity •Knowledge of the Infrastructure Delivery Management System (IDMS) and Standard for Infrastructure Procurement and Delivery Management (SIPDM) •Good communication skills •Excellent technical report writing and presentation skills •Innovative problem solving and ability to work independently at strategic, production and execution levels •Applied knowledge of all relevant Built Environment legislative/regulatory requirements of National and International standards •A valid driver's licence (minimum Code B) and the ability/willingness to travel are essential •Experience in managing and leading junior technicians, technologists and candidates.

DUTIES: •Technical specification and evaluation of professional service providers' and contractors' bids •Review and acceptance of the professional service provider's concept and detailed designs •Assist in compilation of tender documentation •Conduct technical inspections and integrity surveys on various civil engineering assets •Compilation of technical justifications to initiate new projects •Compilation of business cases to justify funds for new projects •Conduct quality control over the work of the consultant and the contractor during the execution phase of the project •Assist project managers in resolving technical disputes arising at different stages of the project •Review and audit final professional civil engineering accounts •Accept responsibility for the development, implementation, review and regular updating of standardised civil engineering practice manuals for the Department •Undertake detailed design, documentation and implementation of minor projects •Engage with client departments and stakeholders on technical matters •Provide mentorship and supervision to candidate technologists and technicians.

ENQUIRIES: Mr M. Ramushu, tel. (012) 406 2109.