

POST 06/74 : **ENGINEER PRODUCTION GRADE A – C REF NO: 060326/03**
Branch: Infrastructure Management Head Office
Dir: Civil Engineering
Sd: Open Channel Systems

SALARY : R879 342 - R1 323 267 per annum, (all-inclusive OSD salary package), (Offer will be based on proven years of experience)

CENTRE : Pretoria Head Office

REQUIREMENTS : An Engineering degree (B.Eng/ B.Sc. (Eng) in Civil Engineering. Three (3) years post-qualification engineering experience relevant to Water Engineering. Compulsory registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer. The disclosure of a valid unexpired driver's license is required as site visits and travel form part of the job description. Competency and experience in the implementation of civil engineering projects, as well as the design of hydraulic structures and water conveyance systems, is essential. Additional competencies and knowledge include engineering design and analysis, legal compliance, computer-aided engineering applications, project management, strategic capability and leadership, financial management skills, and excellent communication skills both verbal and written.

DUTIES : Plan and design civil engineering projects. Develop tender specifications. Perform reviews, approvals, and audits of engineering designs in line with established design principles, theories, and standards. Supervise engineering work and processes. Optimise design and cost-effectiveness of open channel projects, including risk management. Evaluate, edit, and authorise all designs, reports, engineering drawings, and specifications. Manage resources by preparing and consolidating inputs for effective utilisation. Manage consulting engineers and/or contractors, including contract administration and resolution of claims. Mentor and train Candidate Engineers and Technicians. Manage administrative, financial, and personnel-related functions. Technical Work Description: SD: Open Channel Systems (OCS) is a technical engineering design component that focuses mainly on the design and rehabilitation of large-scale bulk water conveyance infrastructure such as canals, inverted siphons, dam spillways, erosion protection, reject structures, energy dissipating structures, and others. All infrastructure related to National Water Infrastructure may fall under the mandate of SD: OCS, with a strong emphasis on the design of bulk water conveyance systems. Designing such systems introduces additional engineering challenges, which include (but are not limited to) the design of service roads, sub-soil drains, hydraulic structures, pump houses, chutes, retaining walls, embankments, bridges, super-passages, berms, and boundary fences etc. Engineering analyses such as hydrology, flood line studies, structural analysis, and slope stability analysis are also undertaken by SD: OCS. A strong background in Water Engineering is essential, while experience in Geotechnical Engineering, Structural Engineering, and Project Management will be considered advantageous. Proficiency in the following computer-aided design software packages will also be an added advantage: Hec-RAS, AutoCAD, AutoCAD Civil 3D, ArcGIS, Prokon, and Slide. Production Engineers working at SD: OCS must be able to write high-quality technical reports; therefore, medium- to high-level report writing skills are essential. Competence in Microsoft Word and Microsoft Excel is also of the utmost importance. Project management and contractual management of construction projects, as the Engineer or Engineer's Representative, form part of the job description. Production Engineers are also tasked with reviewing the work of their peers as well as managing and mentoring juniors working with them on projects. SD: OCS works closely with SD: Dam Design to design, construct, and test physical hydraulic models of dam spillways, based on the Froude Similarity theory.

ENQUIRIES : Mr. HH Luttig Tel No: (012) 336 8095

APPLICATIONS : All applications to be submitted online on the following link:
<https://erecruitment.dws.gov.za>

POST 06/75 : **CHIEF ARTISAN GRADE A (ELECTRICAL) REF NO: 060326/04**
Branch: Infrastructure Management: Northern Operations
Dir: Operations Southern
Div: Electrical Maintenance

SALARY : R480 261 per annum, (OSD)

CENTRE : Hartbeespoort Area Office

- REQUIREMENTS** : Appropriate Trade Test Certificate in Electrical engineering. Ten (10) years post qualification experience required as an Artisan/Artisan Foreman. The disclosure of a valid unexpired driver's license. Technical report writing skills, Communication skills and Computer literacy (Word, PowerPoint, Excel, Outlook). Be able to read and interpret manufacturing drawings. Knowledge and experience regarding the compliance to the Occupational Health and Safety Act workplace is essential. Proven experience in staff supervision. Knowledge/Experience with SAP will be advantageous.
- DUTIES** : Manage the Electrical Workshop and ensure compliance to prescribed standards in ensuring safe and serviceable infrastructure (pumps, valves, sluices, auxiliary drives, cranes, water vessels, lighting, housing, transformers, induction and synchronous motors, knowledge of MV termination, generators, compressors, earthing and lightning protection, medium voltage switch gear and protection, control panels for pump-sets, valves and dam control gates, meters, general instrumentation and large controllers, electric circuits (cranes, gates, valves etc.), motor test, knowledge of electrical hydraulic circuitry, knowledge of motor connections and application thereof, fault finding etc.) on Government Water Schemes through planned maintenance schedule and unscheduled repairs and refurbishment projects. Be involved in the planning and execution of OPEX maintenance and CAPEX maintenance. Adhere to strict maintenance plan deadlines. Manufacture items from own planning and from design drawings source, liaise and request quotations from suppliers and ensure product compliance to specifications and standards Accept appointment as a GMR 2.7 in accordance with the Occupational Health and Safety Act (OHSA) (Act 85 of 1993), responsible person for Electrical equipment. Evaluate and identify staff training needs and assist with training facilitation processes. Manage and evaluate staff performance on an on-going basis. Compile Weekly, Monthly and Quarterly maintenance performance reports. Work requires extensive travelling to remote areas and overnight stays on a regular basis. Standby and occasional overtime work, including weekends and public holidays, will be expected from time to time.
- ENQUIRIES** : Mr A Naicker at 082 853 4098
- APPLICATIONS** : All applications to be submitted online on the following link:
<https://erecruitment.dws.gov.za>
- POST 06/76** : **HUMAN RESOURCE CLERK SUPERVISOR REF NO: 060326/05**
Branch: Infrastructure Management: Southern Operations
Dir: Operations Southern
- SALARY** : R325 101 per annum (Level 07)
- CENTRE** : Gqeberha (Port Elizabeth)
- REQUIREMENTS** : A Grade 12/Senior certificate or equivalent qualification. Three (3) to five (5) years' experience in Human Resource matters. Knowledge of PERSAL. The disclosure of a valid unexpired driver's license. Knowledge of the Public Service Act, Public Service Regulations, and relevant Human Resources prescripts. Computer literacy. Knowledge of human resources functions, practices as well as the ability to capture data and collate administrative statistics. Knowledge of registry duties. Problem solving.
- DUTIES** : Implement human resources administration practices. HR provisioning (Recruitment and Selection, Appointments, Transfers, verification of qualifications, secretariat functions at shortlisting and interviews, probation periods. Implement conditions of service and service benefits, Leave/PILIR, Housing, Medical, IOD, Long Service Recognition, overtime, relocation, Pension and allowances. Termination of service. Implement and approve transactions on PERSAL System. Performance management. Prepare reports on human resources administration issues and statistics. Address human resource administration enquiries. Liaise with internal and external stakeholders in relation to Recruitment and Selection. Implement termination of services. Implement appointments on PERSAL System. Keep filing records up to date. Keep and maintain the asset register of the component. Supervise human resources staff. Allocate and ensure quality of work. Personnel development. Assess staff performance. Apply discipline.
- ENQUIRIES** : Mr. CS Nzimande Tel No: (041) 508 9719
- APPLICATIONS** : All applications to be submitted online on the following link:
<https://erecruitment.dws.gov.za>
- NOTE** : Preference will be given to candidates from the geographical area