



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Compulsory Briefing Session:

Three Year Term Contract for Mechanical and Other Related Major Plant & Machinery Installation, Maintenance, Repair, Refurbishment & Upgrade for Northern, Central, Eastern and Southern Operations (Limpopo, Mpumalanga, North-West, Gauteng, Free State, KwaZulu Natal, Northern & Western Cape) (DWS 04-1117 WTE)

Presented by:

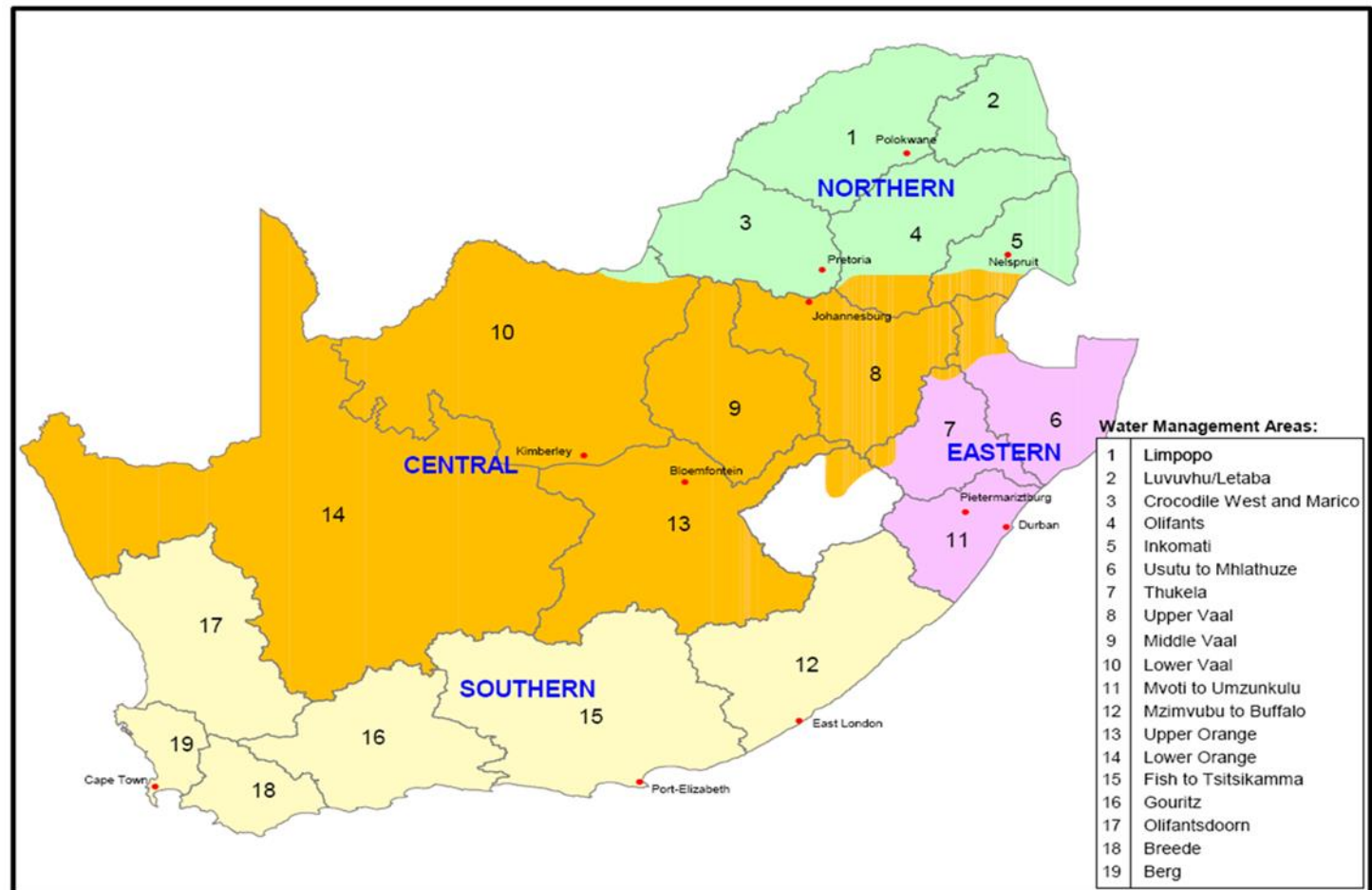
Name Surname	Thulani Ngati
Directorate	Strategic Asset Management

Date	04 December 2017 (Southern Operations)
	05 December 2017 (Eastern Operations)
	06 December 2017 (Central Operations)
	07 December 2017 (Northern Operations)

DWS 04-1117 WTE:

1. This bid is for a three-year contract to, when required, support the National Water Resources Infrastructure (NWRI) Operations, Strategic Asset Management and other Infrastructure Projects of the Department of Water and Sanitation, with the
 - 1.1 Supply, installation, repair, refurbishment, upgrade, maintenance and project / contract / contractor supervision of mechanical and other related works installations and equipment associated with the Department of Water and Sanitation installations in the Northern, Central, Eastern & Southern Operational Area.
2. The term “other related work” in this contract refers to electrical works. The contractor must also have electrical works capabilities or subcontract electrical works to suitably qualified electrical contractor(s).
3. The service to be provided shall be deemed to include preventative maintenance and emergency repairs.

DWS OPERATION CLUSTERS WITHIN THE REPUBLIC OF SOUTH AFRICA



- THE OPERATIONAL AREAS TO BE SUPPORTED UNDER THIS CONTRACT CONSISTS OF EIGHT (8) PROVINCES, WITH NINE (9) DWS AREA OFFICES.
- THERE'S AN EXISTING CONTRACTOR AT EASTERN CAPE PROVINCE CONTRACTED FOR A DURATION OF 18 MONTHS.

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PART 1: INSTRUCTIONS TO BIDDERS

- All recipients of these bid documents, whether they submit a Bid or not, shall treat the details of the documents as PRIVATE AND CONFIDENTIAL.
- Cost of participation: R 200 (non-refundable)
- The conditions contained in Government Procurement General Conditions of Contract shall apply unless they are in conflict with any portion of the Instructions to Bidders, Conditions of Contract, Specifications, Appendices, Annexures, and Schedules of this enquiry document, in which case this enquiry document shall take precedence.
- If any additional information is required as to the interpretation of any part of this enquiry, immediate application should be made. Contact persons included at the end of the presentation.
- No alteration, amendment or variation of the Conditions of Contract will be permitted and, in the event of any such alterations, amendments or variations being stipulated as a Condition of Bid by the Bidder, the Bid will be rendered invalid and will not be considered.

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PART 1: INSTRUCTIONS TO BIDDERS (CONTINUED)

- Details of all departures from, or modifications to the Specification, in the case of alternative Bids, shall be clearly stated in Annexure 1.
- Bidders may submit with their Bid a statement of work previously carried out by them, to facilitate the adjudication of the Bid, by completing Annexure 2.
- Bidders shall submit with their Bids the names and addresses of the principal Subcontractors which they propose to employ and the section of the Works on which they would be employed by completing Annexure 3. (Subcontracting will be discussed in Part 4: Conditions of Contract).
- Notwithstanding any information that may be contained in any covering letter, Maker's specification, technical literature, or other documents accompanying the Bid, the attached Schedules shall be completed in full at the time of bidding.

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PART 1: INSTRUCTIONS TO BIDDERS (CONTINUED)

- All spaces in the Departmental Forms and other Annexures shall be completed in full. The Price Schedules annexed shall be fully priced out and the summary thereof filled in on the Bid Form SBD 3.2.
- **The Form of Offer and Acceptance, Form of Performance Guarantee are NOT to be completed at the time of bidding. Including some of the forms attached to Part 4: Conditions of Contract (i.e. RFQ, Completion, Technical Completion & Commissioning Certificate).**
- The bid documents shall NOT be separated in any way nor shall any pages be detached from the original documents.
- The bid offer shall comprise two copies of the following:
 - ✓ Bidder's covering letter, if any, otherwise Bidder's name and address.
 - ✓ These bid documents, duly completed in full and signed as required in clause 7 of these instructions.
- The Bid shall be signed on the Form Invitation to Bid SBD1, Form SBD6 and wherever else indicated on the forms annexed hereto with all blanks in the Bid, Appendices, Annexures and Schedules filled in.

PART 1: INSTRUCTIONS TO BIDDERS (CONTINUED)

- The Bid, if by an individual, shall be signed by that individual or by someone on his behalf duly authorised thereto and proof of such authority must be produced. If the Bid is by a company it shall be signed by a person or persons duly authorised thereto by a Resolution of a Board of Directors, a copy of which Resolution, duly certified by the Chairman of the Company shall be submitted with the bid documents.
- If the Bid is submitted by a joint venture of more than one person and/or companies and/or firms it shall be accompanied by the following:
 - The original or a certified copy of the original document under which such joint venture was constituted which must define precisely inter alia the conditions under which the joint venture will function, its period of duration and the participation of the several constituent persons and/or companies and/or firms.
 - A certificate signed by or on behalf of each participating person and/or company and/or firm authorising the person who signed the Bid to do so.

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- The bid offer shall be submitted as follows:
 - The original Bid, together with all accompanying letters and literature, shall be sealed in an envelope endorsed with the title and bid number stated on the front cover of these documents and marked:

"Original Bid".

The name of the Bidder shall be clearly shown.

- Both the "original" and "duplicate" copies of the Bid, each in their separate sealed envelopes shall be placed in a single sealed envelope endorsed with the title and bid number stated on the front cover of these documents.

The name of the Bidder shall be clearly shown.

- Bids in duplicate, sealed and endorsed as above will be received by the Department up to 11:00 on the due date and address as stated on the front cover of these documents.

Bids by email or fax will not be accepted. Late Bids will be rejected.

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PART 1: INSTRUCTIONS TO BIDDERS (CONTINUED)

- Bids shall hold good and remain valid for acceptance for a period of 120 days commencing as from the closing time and date for bid offers.
- **The Employer does not bind himself to accept the lowest or any Bid nor to assign any reason for the rejection of a Bid and may if he so desires divide the Contract between any two or more Bidders and will not be held liable for any expense incurred in submitting Bids.**
- The Bid document must be completed in full. Failure to none completion of any item(s) in the Bid document will constitute a disqualification of the Bid.
- The Department reserves the right to award the contract to more than one Bidder.

(END OF PART 1)

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PART 2: BID FORMS

FORMS OF BID: (TO BE DISCUSSED BY SCM LATER IN PRESENTATION)

- SBD 1 INVITATION TO BID, HEAD OFFICE ADDRESS
- SBD 2 APPLICATION FOR TAX CLEARANCE CERTIFICATE
- SBD 3.2 PRICING SCHEDULE – NON FIRM PRICES
- SBD 4 DECLARATION OF INTEREST
- SBD 6.1 PREFERENCE POINTS CLAIM FORM: GENERAL CONDITIONS AND DEFINITIONS
- SBD 6.2 DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS
- SBD 8 DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES
- SBD 9 CERTIFICATE OF INDEPENDENT BID DETERMINATION
- ANNEXURE 7 INSTRUCTIONS TO BIDDERS: PURCHASES
- GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

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PART 2: BID FORMS (CONTINUED)

OTHER FORMS

ANNEXURE 1 PROPOSED ALTERATIONS TO SPECIFICATION

ANNEXURE 2 SCHEDULE OF SIMILAR WORK UNDERTAKEN BY BIDDER

ANNEXURE 3 SCHEDULE OF PROPOSED SUB-CONTRACTORS

ANNEXURE 4 QUALIFICATIONS & EXPERIENCE OF KEY PROJECT TEAM
MEMBERS

FORM OF OFFER AND ACCEPTANCE

PERFORMANCE GUARANTEE

CONTRACT DATA

AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH
AND SAFETY ACT, NO 85 OF 1993

PART 3: CONDITIONS AND SPECIAL CONDITIONS OF CONTRACT

- This bid is governed by the General Condition of Contract for Construction works 3rd edition 2015, as published by the South African Institute of Civil Engineering (SAICE) shall apply unless they are in conflict with any portion of the instructions of Bidders, Government Procurement General Conditions of Contract, Conditions of Contract, Specifications, Appendices, Annexures, and Schedules of this enquiry document, in which case this enquiry document shall take precedence.

PART 4: CONDITIONS OF CONTRACT

- The projects on this contract have a **CIDB** grading of 9ME. Proof of this grading must be submitted with the bid.
- The Bidder shall submit a **letter of good *standing*** with the bid, Compensation of Occupational Injuries and Diseases.
- The Operational Areas consists of eight Provinces, with nine DWS Area Offices. The Department reserves the right to appoint one (1) or more contractors per Operational Area. The main contractor will be responsible for the programming, reporting and guarantee of each specific project.
- The contractor may request to appoint subcontractors in writing to the Engineer if the project only entails a very small portion of work from the other discipline.

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- This bid shall also be used as and when required for countrywide Dam Safety Rehabilitation Programme projects (DSRP) and countrywide Rehabilitation of Conveyance Systems projects (ROCS).
- The Department reserves the right to identify and implement procurement opportunities for designated groups where compulsory sub-contracting must be applied to any projects within this three year contract.
- The appointed main contractor shall subcontract to designated groups' mechanical contractors with a CIDB grading.
- The appointed main contractor shall also subcontract to designated groups' electrical contractors with a CIDB grading.

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- On any of the projects within this three year contract where the Department deems “feasible” the contractor shall subcontract 30% of the work under this contract to advance designated groups.
- The contractor may be required to supply, install, test and commission certain goods and services for major plant and machinery. For goods and services that have been designated for local production and content only locally produced goods and services with a stipulated minimum threshold for local production and content will be considered. Refer to SBD 6.2.
- The bidder shall submit a list of all local manufacturers they will subcontract for items listed in “Annexure to paragraph 3 of SBD 6.2” for local content and production. Failure to submit list of local manufacturers to be used on this three year contract shall render your bid non responsive.

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- The Department reserves the right to procure any of the designated and/or non-designated group goods and/or services using another contract.
- The Department reserves the right to add, remove or re-evaluate contractors per Operational Area depending on performance of the contractor.
- Being appointed on this contract does not in any way constitute a right to work or site under this contract.
- The contractor must be able to provide urgent or emergency services whenever it is required. The Engineer reserves the right to require urgent repair services from the Contractor in the event of an emergency. Under these circumstances the Engineer's Representative reserves the right to require the Contractor to provide such urgent repair facilities to be available 24 hours a day, 7 days a week at the contracted rates.

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- On normal work the contractor (on a rotation basis) will be issued a Request for Quotation (which does not guarantee the work), the Contractor will then be required to quote for the work, the quote will be evaluated if it is market related, when the quotation is accepted by the Department a Departmental Purchase Order will be generated. Normal work to the contractor is only guaranteed when the contractor is issued a Departmental purchase order for that specific work or site and the Contractor accepts the terms and conditions for the work.
- During urgent and/or emergency occasions the Engineer or Engineer's Representative will issue the contractor with an approved Letter of Intent (LOI) via fax or email, the contractor will be required to attend to the urgent / emergency work as soon as the instruction is received from the Engineer or Engineer's Representative. As soon as possible the contractor shall provide a quotation for the emergency / urgent work, a Departmental Purchase Order will be issued and then the contractor will be paid during invoicing when the work is completed.
- The contractor may be required to attend to urgent / emergency work after receiving a phone call / text /email from the Area Manager. Approved LOI will be sent within the following working day.

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- The contractors must have the facilities or have acceptable written binding agreements for the full duration of the contract with associate companies to do a preponderance of the work listed in Part 5 Technical Specification and Requirements, Paragraph 1 and Paragraph 2.
- **The Contractors shall with his/her bid submission indicate which specialist work is intended to be contracted out to specialist companies.**
- Copies of these agreements must be submitted with the Bid.
- The contractor's facilities shall be located within the boundaries of that particular Operational Area or located within reasonable distance from the major schemes. **Radius: (within 400 km from major schemes in Southern Operations, within 400km from major schemes in Eastern Operations, within 1000km from major schemes in Central Operations and within 400km from major schemes in Northern Operations)**

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- The contractor's facilities shall exist at the time of bidding and the contractor shall have personnel with relevant qualifications and a proven record of executing similar work. These facilities shall be available for inspection during adjudication.
- Any premises including premises of subcontractors will be inspected prior to the awarding of the contract. The contractor's premises will be evaluated as per the facilities evaluation criteria in the Evaluation Criteria.
- The contractor's facilities shall exist at the time of bidding and the contractor shall have personnel with relevant qualifications and a proven record of executing similar work.
- The Engineer reserves the right to allocate any of the services described to Departmental staff or may request the main Contractor to appoint a nominated Subcontractor and/or Subcontract to advance designated groups in which case the latter may be required to supervise and may also be required to carry the responsibility for the guarantee.

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- The Department reserves the right to have any of the services as listed under Part 5 Technical Specification and Requirements, Paragraph 1 and Paragraph 2 done under the normal Departmental procurement regulations, if at the discretion of the Engineer it is in the best interest of the Department.
- Any work of an estimate value of less than R 10,000.00 may be excluded of the scope of the contract and may be dealt with under the normal Government procurement regulations. Discretion resides with the Operational Area to decide on projects with a value of less than R 30 000.00 including VAT.
- If in their offers there are any departures whatsoever from any of the provisions to meet these conditions, procedures and specifications or from any of the terms set out in this contract, Bidders shall **list** each and every departure in Bid Requirements, Technical Schedules. (Complete Annexure 1).

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- In terms of the requirements of this contract, the Contractor may be required to facilitate training from time to time. The contractor shall have the capability to provide hands-on training of personnel, both at his workshop facility and on site.
- Control of the Contract is vested in the Chief Director: Strategic Asset Management of the Department of Water and Sanitation, hereafter referred to as the Engineering Representative in terms of the General Conditions of Contract. (For any bid technical enquiries, contact T. Ngati)
- All work, personnel, materials and equipment **shall** comply with the relevant requirements of the Occupational Health and Safety Act of 1993 (Act No. 85 of 1993).

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- The contractor and/or subcontractor shall create a Safety File for the activities to be performed on site, the Safety File shall be submitted to the Department for the Engineer's acceptance. The list of updated information that must form part of the Safety File shall be issued by the Engineer. The current list of information that must form part of the Safety File is attached in Annexure F.
- The Departmental OHS Specification will be circulated to the successful bidders (appointed contractors).
- Three months will be given for the appointed contractor to compile and submit the OHS file to the relevant Cluster Office.
- It is an expressed condition that the Contractor and his Subcontractor/s shall execute the contract under the supervision of a "competent person" in relation to machinery (**General Machinery Regulations**).

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- The minimum requirements which the Department will consider for this “competent person” will be as stated in subparagraph (b) of G.M.R.1(Definitions) in Mechanical or Electro-technical (heavy current) Engineering field.
- It is the contractor’s responsibility to ensure that any appointed subcontractor is familiar and complies with the safety regulations.

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- The following prices are required for the different types of services expected, as listed in the Technical Specification and Requirements. All these prices must be given **exclusive** of VAT and must be valid for the work done at the facilities noted.
 - Hourly labour costs for the different levels of skill.
 - Overtime labour costs for the different levels of skill.
 - Standby labour costs for the different levels of skill. **(Not applicable –not be completed by bidder)**
 - Living out allowances. **(No any other costs)**
 - Accommodation
 - Travelling costs.
 - Transport costs (kilometre tariffs for those vehicles not given).
 - The vehicles engine capacity use for bidding purposes shall be the same as that used during the contract.
 - Large equipment costs.
 - Bidders are encouraged to make use of Mobile Accommodation. The rates for Mobile accommodation submitted with the bid shall be use during the contract.

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LEVEL	NORMAL TIME	OVERTIME	TRAVELLING TIME (70% of normal time)	STANDBY TIME (NOT APPLICABLE)	DAILY LIVING OUT ALLOWANCE
Engineer (E)					
Technician (T)					
Project Manager (PM)					
Safety Officer (SO)					
Specialized Quality Control Inspector (QA)					
Specialist Artisan(SA) / Foreman					
Specialized Workshop Technician (SWT)					
Artisan (A)					
Semi Skilled (SS)					
Driver – EHMV (D)					
General Worker (GW)					

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- *Working Hours:*

The contractor shall work 8 hours per day. Time shall be in accordance with DWS regulations or as agreed between the Contractor and DWS.

- *Overtime:*

The Contractor shall request in writing approval prior to working overtime. Approval will be granted at the discretion of the Engineer. The contractor shall, at request of the Engineer, indicate the benefit of the overtime to the Department. Emergency repairs will be exempted from the above prior approval process. Overtime shall be in accordance with the Basic Conditions of the Employment Act.

- *Travelling time:*

The travelling time shall be the rates charged for personnel while travelling to and from site in order to execute the required tasks. Only 70% of the labour rate may be claimed for travelling.

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- *Living Out Allowance:*

The living out allowance shall include all food costs, excluding accommodation.

- *Accommodation:*

Departmental Accommodation

The Department may at its discretion provide accommodation for the contractor's personnel at the Departmental Guesthouses situated at the Dams.

Contractors Mobile Accommodation. (Furnish full rates and/or unit costs for these). Failure to do so shall render this option none-available for the duration of contract.

Approved Establishments (Hotel, Guesthouses etc.) A maximum of R1,400.00 per person per night including dinner, bed, breakfast and parking shall be claimed. No alcohol. Approved establishments' quotation and invoice shall be kept as proof and submitted during invoicing.

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- Cost containment as per the National Treasury requirements and Practice Notes shall be applicable.
- NO mark-up or handling fee shall be claimed by the Contractor for accommodation, food, beverages, fuel for vehicles or equipment, etc.

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- When the work for which an order has been issued is deemed to be satisfactorily completed a Commissioning and Completion Certificate will be issued and the guarantee period shall commence.
- The guarantee period for any work done shall be at least one year from the date as specified or may be increased as required and agreed by the parties.
- The guarantee period for spare parts or materials acquired or manufactured shall be one year from the date of Commissioning, unless otherwise specified by the suppliers thereof.
- During the guarantee period the Contractor shall rectify at its own cost any defects that are attributable to faulty material or workmanship.
- The Department, at the discretion of the Engineer, reserves the right to hold retention money.

DWS 04-1117 WTE

- The Contractor shall have the necessary capability to accomplish the administrative, technical and financial burden required under this Contract. The Contractor must be able to visit sites, receiving and placing of orders, initialising and completing the work, ensure/control quality throughout the project, compiling completion, commissioning certificates and invoices. The Contractor requires extensive personnel and financial resources to successfully handle the contract.
- **Administrative and Technical Personnel**
The Contractor shall need suitably qualified administrative personnel to handle the administrative duties on the contract.
- **Engineer**
Engineers shall be in possession of an appropriate four-year Bachelor's degree in Engineering or equivalent qualification as prescribed by the Engineering Profession of SA Act (1990) plus appropriate four years experience in related field after registration as a Professional Engineer with ECSA.

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- **Technician**

Technicians shall be in possession of a Diploma for Technicians with at least four years of appropriate experience in the respective field or be in possession of an appropriate National Diploma: Engineering or B Tech Degree: Engineering Qualifications that are offered by Universities of Technology (former Technikons) as accredited by ECSA.

- **Project Manager**

Project Managers shall have applicable technical and managerial qualifications and at least **ten years** experience in a related field.

- **Specialist Artisan / Foreman**

A Specialists Artisan shall be a highly skilled artisan or technician in the specialist field with additional qualifications and a minimum of three years experience in the applicable specialist field.

DWS 04-1117 WTE

- **Artisans**

Artisan staff shall be in possession of an appropriate National Certificate as accredited by the South African Qualifications Authority. An artisan qualified for example as a diesel mechanic is not suitably qualified to be considered an artisan on valves, cranes, welding, etc.

- Bidder to submit CV of key Project Team members (Artisan and up) using the attached CV template and format. Must complete Annexure 4.

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- The contractor must have the facilities or have acceptable formal written agreements with associate companies for the contract period to do a preponderance of the work listed in Technical Specification and Requirements.
- It is not compulsory for the subcontracted designated group contractor to have workshop facilities.
 - Minimum workshop facilities requirement are as follows:
 - A closed, under cover, ventilated workshop facility complying with the Occupational, Health and Safety Act.
 - An overhead crane with a capacity of not less than 10 Ton or have the capability to lift loads of 10 Ton.
 - Lathe(s), milling machine(s), pedestal drill, hydraulic press, welding machine.
 - Stripping and cleaning bay.
 - Abrasive blasting area.

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- Corrosion protection bay.
- Testing and quality control area.
- Quality control equipment for mechanical/electrical engineering and corrosion protection.
- The Contractor and / or Subcontractor shall comply with DWS 2020 and have a Quality Control Plan for all work performed under the Contract. The Quality Control Plan and specification shall be submitted together with the acceptance of work. A pro forma Quality Control sheet shall be submitted with the Bid for evaluation.
- Should it be found at any stage of the contract period that the services performed or any component thereof deviates from the specified requirements and that such deviation had not been noted by the Contractor in his bid offer that was accepted, the Contractor will be required to redo such services or any component thereof with work complying with the requirements specified in the documents listed above, at no extra cost to the Employer.

DWS 04-1117 WTE (PART 5)

- **SCOPE OF WORK**

The following lists of equipment comprise those major items to be found, in all or in part, at the Departmental Schemes.

- **ELECTRICAL EQUIPMENT**

- General electrical reticulation and lights.
- Induction and synchronous motors with sizes ranging from 1 kW up to 300 kW, at voltages of 380 V.
- Low voltage switchgear 380 V.
- Generators (up to 500 kVA).
- Direct current supply units (50 V up to 110 V).
- Control panels for pump-sets, valves and dam control gates.
- Meters, general instrumentation and large controllers.
- Electrical circuits (Cranes, Gates, Valves etc.).
- Radio and telemetry equipment.
- Instruments and computer controlled equipment.
- Electrical actuators.

- **MECHANICAL EQUIPMENT**

- Borehole-pumps at installations.
- Pipelines with diameters of up to 3 m in diameter.
- Pipe material: Steel, Pre-stressed Concrete, Asbestos Cement, Glass Reinforced Plastic and Fibreglass.
- Pipeline coatings.
- Pipeline linings (bitumen, epoxy paints and mortar).
- Valves to fit the relevant pipelines of up to 3 m.
- Types of Valves: Butterfly, needle, gate, reflux, ball, air, sleeve, body and float control valves.
- Electrically, hydraulically and air operated actuators for operation of the valves
- Dam control gates: Emergency and Slab Gates.
- Maintenance gates, plugs. 2.2 m X 2.2 m X 5 Ton.
- Trash racks/screens (maximum 3 m x 4 m).
- Hydraulic equipment for operation of sluice gates.
- Overhead travelling cranes of up to 30 tonnes.

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- **GENERAL**

- Water flow meters (ultrasonic, magnetic, differential pressure, propeller) for pipes up to 2.5 m diameter.
- Small and medium water purification systems for site personnel supply purposes.
- Small sewerage plants for site personnel purposes.

- **ACTIVITIES TO BE PERFORMED:**

Using proven experience and ability the Contractor shall be able to evaluate malfunction, diagnose failure, repair, refurbish, upgrade, test, commissioning and provide skilled maintenance of the following plant equipment:

- Cranes, as well as supply and load testing facilities of up to 30 tonnes, including the issue of appropriate certificates.
- Compressors: Reciprocating, single/multistage centrifugal and lobe compressor units (up to 8 m³/min).

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- Switchgear: All types of switchgear, up to and including 11 kV (vacuum and air-blast installations including pneumatic hydraulic or spring devices).
- Switchgear protection equipment.
- Transformers: Up to 2 MVA.
- Valves: Total refurbishment of all types of valves, up to 3 m diameter.
- Dam equipment/structures: Sluice gates, stop logs, screens, hydraulic equipment, etc.
- All types of pipelines with diameters up to 3,5 m: e.g. steel pipes, bitumen wrapped/ 2 pack epoxy, bitumen or mortar lined, mortar pipes, fibreglass, glass reinforced polyester, PVC, etc.
- Electric actuators for up to 3 m diameter valves.
- Electric motors: Up to 300 kW.
- Diesel and petrol driven Gensets up to 500 kVA.
- Internals of centrifugal pumps: Up to 300 l/s and 100 m head.

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- Small and medium water purification plants/systems.
- Small sewerage plants/systems.
- Electricity distribution systems for offices, personnel housing and all other relevant equipment.
- Electrified security fencing.
- Such equipment as may be specified from time to time by the Engineer.
- Competence in providing the following Engineering Services:
 - Efficiency tests on up to 300 kW pump-sets by utilising thermo dynamic testing method with the issue of appropriate test reports.
 - Endoscope inspections on pump/valve/pipeline internals with the issue of appropriate test reports.
 - Rebuilding of pumps to an alternative specification.
 - Machining facilities: Light, medium and heavy machining facilities, fabrication and on site in-situ machining.
 - Corrosion protection coatings as specified by the Department of Water and Sanitation. (Blasting & Coating).

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- ELECTRICAL REQUIREMENTS
 - Statutory Requirements (i.e. OHS Act, Electricity Act, SANS 10142, etc.)
- VALVES (DWS 2510)
- PIPES (DWS 1110, 1130, 1131, 1160)
- CORROSION PROTECTION (DWS 9900)
- QUALITY CONTROL (DWS 2020)
- OTHER STANDARDS (i.e. DWS, SANS, ISO, BS, IEC, EN, etc.)

Where no applicable SANS Specification exists all materials must comply with the equivalent DIN, IEC, IP or BSS specifications or be of the quality as specified.

DWS 04-1117 WTE (PART 6)

- SITE BRIEFING CERTIFICATES
- TECHNICAL SCHEDULES (To Be Completed in FULL)
 - Indicate which Cluster Area(s) you are bidding for. (Indicate first preference)
 - Rates firm or non firm?
 - Equipment and Facilities (location, available for inspection)
 - Subcontractors (BBBEE? Location?)
 - List of Staff
 - “Competent person” appointment
 - Experience
 - Occupational Health and Safety

DWS 04-1117 WTE (PART 6)

- PRICE SCHEDULES (To Be Completed in Full)
 - Transport Costs (The rates will be updated as the Department of Transport rates are adjusted).
 - Heavy Motor Vehicles

Load Capacity in (Tonne)	Rate per Kilometre (Rand/km)
5 to 8 Tonne (drop-side)	
5 to 8 Tonne (with crane)	
10 to 14 Tonne (drop-side)	
10 to 14 Tonne (with crane)	

If rates are not available at the time of bid - 3 Quotations route.

DWS 04-1117 WTE (PART 6)

- For the purpose of adjudication of this Bid specific equipment have been chosen containing a representative number of components for the region.
- Each table must be completed in full and the total from each brought to the summary table. Adjudication will be based on the total and not on rates.
- PRICE SCHEDULE 1, 2, 3 and SUMMARY must be completed CLEARLY and IN FULL.

(FAILURE TO COMPLETE THE PRICE SCHEDULES IN FULL WILL LEAD TO DISQUALIFICATION OF YOUR BID!!!)

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12.1 CRANE (20 TON, SERVICE OF PORTAL CRANE)

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM, 1XT, 1XSA, 1XQA		6,6,6,6	
Travelling time (1 trip to site and back)	1XPM, 1XT, 1XSA, 1XQA		5,5,5,5	
Complete service	1XSA, 1XSS, 1XGW, 1XSO		6,6,6,6	
Travelling time (1 trip to site and back)	1XSA, 1XSS, 1XGW, 1XSO		5,5,5, 5	
Inspect rotating components, brakes, structure and rope	1XSA, 1XSS, 1XSO, 1XQA		4,4,4,4	
Load test	1XSA, 1XSS, 1XGW, 1XSO, 1XQA		10,10,10, 10, 10	
Set all limits	1XSA, 1XSS		8,8	
Test reports	1XSA		1	
Travelling time (1 trip to site and back)	1XSA, 1XSS, 1XGW, 1XSO		5,5,5, 5	
Commission	1XPM, 1XT, 1XSA, 1XSO		6,6,6,6	
Travelling time (1 trip to site and back)	1XPM, 1XT, 1XSA, 1XSO		5,5,5,5	
TOTAL LABOUR COSTS			(excl. VAT)	

DWS 04-1117 WTE

BID DWS 04-1117 WTE

12.16 PRICE SCHEDULE 1 SUMMARY

TABLE NUMBER	TOTAL (excl. VAT)
From Item 12,1	
From Item 12,2	
From Item 12,3	
From Item 12,4	
From Item 12,5	
From Item 12,6	
From Item 12,7	
From Item 12,8	
From Item 12,9	
From Item 12,10	
From Item 12,11	
From Item 12,12	
From Item 12,13	
From Item 12,14	
From Item 12,15	
TOTAL (excl. VAT)	

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BID DWS 04-1117 WTE

15. BID PRICE SCHEDULE SUMMARY

	COMPONENT	PRICE
1	PRICE SCHEDULE 1 SUMMARY	
2	PRICE SCHEDULE 2 SUMMARY	
3	PRICE SCHEDULE 3 SUMMARY	
	TOTAL (Excl. VAT)	
	14% VAT	
	*TOTAL (Incl. VAT)	

***Note:** The Total Price (including Value Added Tax) must also be included in SBD 1 Invitation to Bid and SBD 3.2 Pricing Schedule.

ALL the price schedules must be completed in full by the bidder (each line item to be completed). Failure to complete the price schedules may render your bid non responsive.

NAME OF BIDDER: _____ COMPANY NAME: _____

SIGNATURE OF BIDDER: _____

DATE: _____

- [PART 7](#) : EVALUATION CRITERIA

DWS 04-1117 WTE:

ENQUIRIES

Hours: 08:00am to 16:00

COMPLETION OF BID DOCUMENTS

- Anele/Julia/Nomthandazo/Thembeke, Tel: 012 336 7432/7780/8364/7066
- Email: BidEnquiriesWTE@dwa.gov.za

TECHNICAL INFORMATION


- Thulani Ngati, Tel: 012 336 8623

DWS 04-1117 WTE: Three Year Term Contract for Mechanical and Other Related Major Plant & Machinery Installation, Maintenance, Repair, Refurbishment & Upgrade for Northern, Central, Eastern and Southern Operations (Limpopo, Mpumalanga, North-West, Gauteng, Free State, KwaZulu Natal, Northern & Western Cape)

Bid due at: 11:00am

Bid closing date: 18 January 2017

Bid to be deposited at: The Tender Box at the entrance of
Zwamadaka Building
157 Francis Baard Street
(Formerly Schoeman Street)
Pretoria



DWS 04-1117 WTE:

QUESTIONS ?



THANK YOU !!!