

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 Southern Operations (Eastern Cape and Western Cape) (DWS05-0621WTE)

Presented by: <u>Technical</u> Name & Surname: Directorate:

Mr Thulani Ngati Strategic Asset Management

<u>SCM</u> Name & Surname: Directorate: Date

Mr Mohale Shai Supply Chain Management 13 July 2021 (Southern Operations) – Lubisi Dam 15 July 2021 (Southern Operations) – Berg River Dam

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#### BID DWS 05-0621 WTE

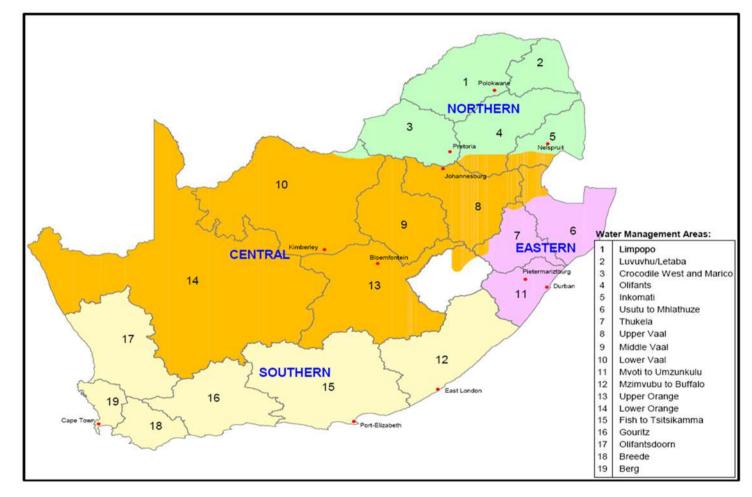
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- 1. THIS BID IS FOR A THREE-YEAR CONTRACT TO, WHEN REQUIRED, SUPPORT THE NATIONAL WATER RESOURCES INFRASTRUCTURE (NWRI) OPERATIONS & MAINTENANCE, STRATEGIC ASSET MANAGEMENT AND OTHER INFRASTRUCTURE PROJECTS OF THE DEPARTMENT OF WATER AND SANITATION, 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 SOUTHERN OPERATIONAL AREA.
- 2. THE TERM "OTHER RELATED WORK" IN THIS CONTRACT REFERS TO ELECTRICAL WORKS. TENDERER MUST HAVE DEMONSTRABLE EXPERIENCE IN ASSOCIATED ELECTRICAL WORK OR SUBCONTRACT ELECTRICAL WORKS TO SUITABLY QUALIFIED ELECTRICAL CONTRACTOR(S).

### DWS OPERATION CLUSTERS WITHIN THE REPUBLIC OF SOUTH AFRICA



TWO (2) DWS OPERATIONAL AREAS ARE TO BE SUPPORTED UNDER THIS CONTRACT NAMELY: EASTERN CAPE OFFICE (PORT ELIZABETH) AND WESTERN CAPE OFFICE (WORCESTER)

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#### THE DWS GOAL IS TO APPOINT ONE CONTRACTOR PER AREA OFFICE, THAT IS;

- 1 CONTRACTOR AT THE EASTERN CAPE OFFICE (AREA MANAGER LOCATED AT **PORT ELIZABETH**). <u>TO BE PROVISIONALLY AWARDED</u>.
- 1 CONTRACTOR AT THE WESTERN CAPE OFFICE (AREA MANAGER LOCATED AT WORCESTER)

# DWS RESERVES THE RIGHT TO APPOINT MORE THAN ONE CONTRACTOR PER AREA.

IF THE TENDERER WISHES TO BID FOR MORE THAN ONE AREA, THE TENDERER CANNOT USE THE SAME RESOURCES.

- **CIDB GRADING: 7ME OR HIGHER**. TENDERER MUST HAVE DEMONSTRABLE EXPERIENCE IN ASSOCIATED ELECTRICAL WORK OR SUBCONTRACT A CIDB CONTRACTOR GRADING OF EP.
- BEING APPOINTED ON THIS CONTRACT DOES NOT IN ANY WAY GUARANTEE A RIGHT TO PERFORM ANY REQUIRED WORK IN ACCORDANCE TO THIS CONTRACT. THE DEPARTMENT RESERVES THE RIGHT TO NEGOTIATE PRICES DURING THE QUOTATION ACCEPTANCE OR APPROVAL STAGE ON ANY PROJECT UNDER THIS TERM CONTRACT. WHERE PRICE NEGOTIATIONS \*FAIL, THE DEPARTMENT RESERVES THE RIGHT TO ADVERTISE OR REQUEST PRICE QUOTATIONS AND AWARD THE WORK TO OTHER CONTRACTORS. \*WHERE THE PARTIES REACH STALEMATE THEN THE NEGOTIATIONS WOULD HAVE FAILED.



- COST CONTAINMENT MEASURES AS PER NATIONAL TREASURY
  PRESCRIPTS ARE APPLICABLE IN THIS CONTRACT.
- IN THE EVENT OF POOR PERFORMANCE; DWS RESERVES THE RIGHT TO UTILIZE CONTRACTORS ACROSS AREA OFFICE "BORDERS".
- THE DEPARTMENT RESERVES THE RIGHT TO IDENTIFY AND IMPLEMENT PROCUREMENT OPPORTUNITIES FOR DESIGNATED GROUPS (CIDB GRADED) WHERE COMPULSORY SUB-CONTRACTING MUST BE APPLIED ON ANY PROJECTS WITHIN THIS THREE YEAR CONTRACT.
- THE DEPARTMENT ALSO RESERVES THE RIGHT TO ALLOCATE THE WORK INTERNALLY.

#### LOCAL CONTENT AND PRODUCTION (SBD 6.2)

- 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.
- THE EMPLOYER'S AGENT OR HIS REPRESENTATIVE WILL IDENTIFY AND INDICATE GOODS AND SERVICES THAT HAVE BEEN DESIGNATED FOR LOCAL PRODUCTION AND CONTENT.

- 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 EMPLOYER'S AGENT'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.
- DURING NORMAL AND URGENT AND/OR EMERGENCY OCCASIONS THE PROCUREMENT PROCESS WILL BE AS PER THE NORMAL MAINTENANCE PROCUREMENT PROCESS, REFER TO ANNEXURE E
- 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.

- THE CONTRACTOR SHALL WITH HIS BID SUBMISSION INDICATE WHICH SPECIALIST WORK IS INTENDED TO BE CONTRACTED OUT TO SPECIALIST COMPANIES. THE INFORMATION ON SUBCONTRACTORS SHALL BE INCLUDED IN ANNEXURE2: SCHEDULE OF SUBCONTRACTORS.
- THE DEPARTMENT RESERVES THE RIGHT TO HAVE ANY OF THE SERVICES AS LISTED UNDER TECHNICAL SPECIFICATION AND REQUIREMENTS, DONE UNDER THE NORMAL DEPARTMENTAL PROCUREMENT REGULATIONS, IF AT THE DISCRETION OF THE EMPLOYER'S AGENT OR HIS REPRESENTATIVE IT IS IN THE BEST INTEREST OF THE DEPARTMENT.
- ANY WORK OF AN ESTIMATE VALUE OF LESS THAN R 30,000.00 INCLUDING VAT MAY BE EXCLUDED OF THE SCOPE OF THE CONTRACT AND MAY BE DEALT WITH UNDER THE NORMAL GOVERNMENT PROCUREMENT REGULATIONS.

#### **PROJECT MANAGEMENT**

 CONTROL OF THE CONTRACT IS VESTED IN THE CHIEF DIRECTOR: INFRASTRUCTURE OPERATIONS AND MAINTENANCE OF THE DEPARTMENT OF WATER AND SANITATION, HEREAFTER REFERRED TO AS THE EMPLOYER'S AGENT IN TERMS OF THE GENERAL CONDITIONS OF CONTRACT (GCC 2015).

#### **GENERAL CONDITIONS**

 SHOULD ANY CONFLICT ARISE BETWEEN THE REQUIREMENTS EMBODIED IN THE TENDER DATA THE SUPPORT CONTRACT CONDITIONS AND THE GENERAL CONDITIONS OF CONTRACT, THE EMPLOYER'S AGENT OR HIS REPRESENTATIVE SHALL BE INFORMED IN WRITING FOR HIS RULING.

#### **REGULATIONS AND STANDARDS**

- All work carried out on the Department's equipment and premises shall be strictly in accordance with the latest revisions and amendments of the following:
- SANS 10142: Code of Practice for the wiring of Premises (hereafter referred to as the 'Wiring Code').
- IEC 1024 (Part 1 and Part 1.1): Code for the protection of structures against lightning hazards.
- SANS 1069 Part 1 and Part 2/93: Land Mobile Communications, in conjunction with ETS 300086: Radio equipment and - systems - Land Mobile Service.
- The Occupational Health and Safety Act, Act No. 85 of 1993, as amended.
- The Municipal by-laws and any special requirements of the local Supply Authority.
- The Basic Conditions of Employment Act No 75 of 1997, as amended.
- Any other applicable standards stipulated by the Employer's Agent's Representative

#### **SAFETY CONDITIONS**

- 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).
- SAFETY FILE by Contractor
- WORK PERMIT by DWS
- AGREEMENT IN TERMS OF OHS ACT SECTION 37(2) SHALL BE SIGNED BETWEEN THE DEPARTMENT AND THE CONTRACTOR.

#### **GENERAL MACHINERY REGULATIONS (GMR) as amended**

 IT SHALL BE THE RESPONSIBILITY OF THE CONTACTOR TO FAMILIARISE THEMSELVES WITH THE LATEST EDITION OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS (Act 85 OF 1993) TO ENSURE THAT THE PROVISIONS OF THE ACT ARE MET WITH CONSIDERATION TO THE RANGE OF PLANT (IN SOME INSTANCES THE POWER DERIVED EXCEEDING 3000KVA) AND EQUIPMENT WITH PARTICULAR REFERENCE TO GENERAL MACHINERY REGULATIONS 2(1).

- THE CONTRACTOR MUST HAVE A PERSON READY TO BE AUTHORISED IN TERMS OF THE ORHVS FOR HIGH VOLTAGE SWITCHING AS PART OF THEIR TEAM UNDER THIS CONTRACT.
- BEING READY FOR AUTHORISATION MEANS THE PERSON MUST HAVE THE RELEVANT QUALIFICATION AND THE RELEVANT WORK EXPERIENCE IN ORDER TO BE ELIGIBLE FOR AUTHORISATION FOR THE SPECIFIC DEPARTMENTAL SITES (SOMEONE WHO HAS AUTHORISATION FROM OTHER SITES SUCH AS ESKOM, MUNICIPALITIES, ETC.)
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ANY APPOINTED SUBCONTRACTOR IS FAMILIAR AND COMPLIES WITH THE SAFETY REGULATIONS.



#### 1. SCOPE OF WORK page 80

- **1.1 Electrical Equipment**
- 1.2 Mechanical Equipment
- 1.3 General

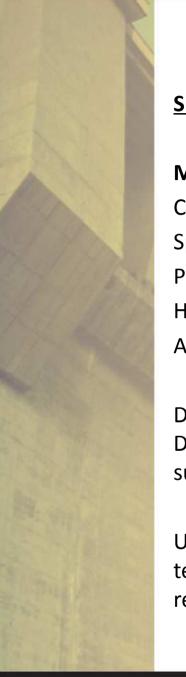
### 2. ACTIVITIES TO BE PERFORMED

- **3. ELECTRICAL REQUIREMENTS**
- 4. VALVES
- **5. CORROSION PROTECTION**
- **6. QUALITY CONTROL**
- 7. WORKSHOP ASSEMBLY
- **8. OVERHEAD COSTS**
- 9. STANDARDS

#### **SPECIALIST CONTRACTOR** page 47

#### Electrical:

Medium voltage switchgear and protection HV cables and overhead lines Earthing and lightning protection Capacitor banks Variable Speed Drives and Soft Starters **Control and Instrumentation Cathodic Protection** Telemetry Software, programming, networking and supporting **Telecommunications Electrical Security Systems Motors** 



#### **SPECIALIST CONTRACTOR** page 47

**Mechanical:** 

Cranes and lifting equipment Specialist Valve and Actuator Manufacturers Pump Manufacturers Hydraulic power packs Actuators

Departmental lifts repair, service and maintenance: ONLY when the Department has no lifts maintenance term contract in place, subcontracting of lifts' service providers may be required.

Underwater diving services: ONLY when the Department has no diving term contract in place, subcontracting of diving contractors may be required.

### **SUBCONTRACT WORK**

- ELECTRICAL SUBCONTRACTORS (for achieving EP requirement)
- 30% COMPULSORY SUBCONTRACTORS
- SPECIALIST SUBCONTRACTORS

THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE WORK DONE BY THE SUBCONTRACTOR.

ALL SUBCONTRACTORS MUST BE APPROVED BY DWS. MUST BE ON CSD AND THEY MUST BE TAX COMPLIANT.

MARK-UP / HANDLING FEE IS 10% page 43, paragraph 6.1.4

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#### **CAPABILITIES OF BIDDER** page 50

- Administrative and Technical Personnel
- Engineer
- Technician
- Project Manager
- Specialist Artisan / Foreman
- Artisans

#### WORKSHOP FACILITIES page 52

 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.

#### **BID RATES**

- THE DEPARTMENT SHALL ADJUDICATE AND AWARD THE BID ON THE PRICES QUOTED UNDER PRICE SCHEDULES.
- PRICE SCHEDULES

The price schedules herewith will be used during the Contract period.

• LABOUR COSTS

The following labour costs per appropriate skill level is required (per hour, unless otherwise specified). All prices given must exclude VAT.

LEVEL	NORMAL TIME	OVERTIME	TRAVELL ING TIME	STANDBY TIME	DAILY LIVING OUT ALLOWANCE
Engineer (E)					
Technician (T)					
Project Manager (PM)					
Safety Officer (SO)					
Specialist Artisan(SA) / Foreman					
Artisan (A)					
Semi Skilled (SS)					
Driver – EHMV (D)					
General Worker (GW)					

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#### • Accommodation:

#### Departmental Accommodation

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

- <u>Contractors Mobile Accommodation</u>. (Furnish full rates and/or unit costs for these). Failure to do so shall render this option none-available for the duration of contract.
- <u>Approved Establishments (Hotel, Guesthouses etc.)</u> 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. NO proforma invoices to be used as proof of actual expenditure.

# COST CONTAINMENT MEASURES AS PER NATIONAL TREASURY PRESCRIPTS...

#### **TRANSPORT COSTS:**

• THE RATES WILL BE UPDATED AS THE DEPARTMENT OF TRANSPORT RATES ARE ADJUSTED.

#### Petrol

Engine swept		Light delivery vehicle (LDV) 4x2	Light delivery vehicle (LDV) 4x4	Mini bus/MPV
volume CC	Α	В	С	D
	From Jan 2020	From Jan 2020	From Jan 2020	From Jan 2020
Up to 1250	277.6	243.0		358.2
1251 to 1550	345.3	307.3	417.8	JJ0.Z
1551 to 1750	375.1	338.4	417.0	386.3
1751 to 1950	423.7	389.3		560.5
1951 to 2150	463.6	407.2	477.7	451.8
2151 to 2500	524.6	431.7	4//./	510.4
2501 to 3500	657.8	473.2	548.1	666.8
Over 3500	767.9	508.2	624.6	757.7

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#### Diesel

Engine swept volume CC	Sedan/station wagon	Light delivery vehicle (LDV) 4x2	Light delivery vehicle (LDV) 4x4	Mini bus/MPV
volume CC	А	В	С	D
	From Jan 2020	From Jan 2020	From Jan 2020	From Jan 2020
Up to 1250	263.1	281.0		
1251 to 1550	319.8	366.9	432.7	
1551 to 1750	348.6	376.1	432.7	491.2
1751 to 1950	356.8	402.2		
1951 to 2150	418.4	399.4	513.5	
2151 to 2500	494.6	420.7	515.5	608.2
2501 to 3500	616.8	426.1	570.2	641.7
Over 3500	010.0	566.3	652.6	752.7

#### Heavy and Extra Heavy Motor Vehicles (Diesel)

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)	
20 to 30 Tonne (flat-deck)	

**RATE PER KILOMETRE (Rand/km) =** this rate must include the driver/operator and is expressed in rand/km.

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### EQUIPMENT COSTS

- The cost of the equipment to perform the duties as per each item shall be included in the table.
   Sufficient space is provided to include detailed breakdown of the equipment to be used and its relevant cost.
- Small tools, instruments and quality control instruments cost such as vacuum cleaner, drills, angle grinders etc. <u>shall be considered to be part of the</u> <u>Production Artisan, Quality Inspector's, etc labour</u> <u>cost.</u>

#### LABOUR INFORMATION

- The Bidder shall submit, with their bid, a complete list of personnel (from the rank of Artisan upwards) to be involved with this contract together with summarised Curriculum Vitae. The Curriculum Vitae shall indicate details such as name, age, nationality, date of nationality including qualifications and <u>relevant</u> experience. The bidder shall also submit an organogram of those individuals. Find attached an example of summarised Curriculum Vitae. Failure to submit the supporting CVs with the bid may disqualify your bid.
- The contractor shall at all times keep the list updated for his and his sub-contractor's staff.

#### **SPECIFIC INSTALLATION FOR ADJUDICATION PURPOSES**

- For the purpose of adjudication of this Bid specific sites have been chosen containing a representative number of components for the region.
- The prices below exclude the cost of spares. The rate includes the cost of all staff required (cost / hour) plus all overheads where appropriate, and the guarantee of all parts, materials and workmanship. The cost of equipment (such as blasting/spraying equipment, compressors, generators, machinery etc.) must be included where asked for in the pricing schedules. All prices given must exclude VAT.
- 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.



#### 8 SOUTHERN OPERATIONS EASTERN CAPE AREA

8.1 BUTTERFLY VALVE – KEISKAMMAHOEK (1000mm) (ELECTRICALLY OPERATED)

ABOUR COSTS:	0050151/	Total Distance		km (1 trip to site & back
SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XPM,1XSO		4,4,4	
Travelling time (1 trip to site and back)	1XT,1XPM			
Remove	1XSA,2XGW		8,8	
Travelling time (1 trip to site and back)	1XSA,2XGW			
Transport from site (1 trip to site and back)	1XD,1XGW			
Dismantle	1XSA,2XGW		9,9	
Blast	1XSS		4	
Clean	1XGW		3	
Inspect	1XSS,1XSA		2,2	
Report	1XSA		1	
Re – blast	1XA,1XSS		4,12	
Coat (Epoxy)	1XA,1XSS		2,14	
Reassemble	1XSA,2XGW		12,12	
Pressure Test	1XSA,1XT,2XGW		1,4,4	
Pressure test certificate	1XSS		1	
Transport to site (1 trip to site and back)	1XD,1XGW			
Install	1XSA,2XGW		9,9	
Travelling time (1 trip to site and back)	1XSA,2XGW			
Commission	1XT,1XPM		6,6	
Travelling time (1 trip to site and back)	1XT.1XPM			

#### TRANSPORT COSTS:

TYPE OF VEHICLE	RATE/km	TOTAL DISTANCE	TOTAL AMOUNT
Inspection using 2500cc 4×2 LDV			
2500cc 4×2 LDV for staff to remove equipment			
Transport equipment from site to your workshop for refurbishment (Truck 10 – 14 Ton drop-side)			
Transport equipment from your workshop to site for installation (Truck 10 – 14 Ton drop-side)			
4×2 LDV for staff to install equipment			
2500cc 4×2 LDV to test & commission			
TOTAL TRANSPORT COSTS		(excl. VAT)	

#### TOTAL COST:

TOTAL COST.		
TOTAL LABOUR COSTS + TOTAL TRANSPORT COSTS	(excl. VAT)	
TOTAL LABOUR COSTS + TOTAL TRANSPORT COSTS	(incl. VAT)	

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#### 8.10 SUMMARY

TABLE NUMBER	LABOUR (excl. VAT)	TRANSPORT (excl. VAT)	ACCOMMODATION (excl. VAT)	TOTAL (excl. VAT)
From Item 8.1				
From Item 8.2				
From Item 8.3				
From Item 8.4				
From Item 8.5				
From Item 8.6				
From Item 8.7			XXXXXXXXXXXXXXXXX	
From Item 8.8			XXXXXXXXXXXXXXX	
TOTAL (excl. VAT)				
TOTAL (incl. VAT)				

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## • SCM Presentation

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- BID CLOSING DATE: 06 AUGUST 2021 11:00am (Telkom Time). BIDS TO BE DEPOSITED IN THE BID BOX, ZWAMADAKA BUILDING 157 FRANCIS BAARD STREET IN PRETORIA.
- SUBMISSION OF BIDS: ONE ORIGINAL AND TWO COPIES
- SIGNATURES (Instructions to Bidders, page 6 paragraph 7)
- LETTER FROM THE WORKSHOP OWNER (Instructions to Bidders, paragraph 8.5)
- EVALUATION CRITERIA

DWS 05-0621 WTE: Three Year Term Contract for Mechanical and Other Related Major Plant & Machinery Installation, Maintenance, Repair, Refurbishment & Upgrade for Southern Operations (Eastern Cape and Western Cape)

Bid due at:

11:00am

Bid closing date:

06 AUGUST 2021

Bid to be deposited at:

The Tender Box at the entrance of Zwamadaka Building 157 Francis Baard Street (Formerly Schoeman Street) Pretoria

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### **ENQUIRIES**

Hours: 08:00am to 16:00

### COMPLETION OF BID DOCUMENTS

- Julia/Nondumiso/Pamella, Tel: 012 336 7780/6544/6562
- Email: <u>BidEnquiriesWTE@dws.gov.za</u>

### **TECHNICAL INFORMATION**

• Thulani Ngati, Tel: 012 336 8623, Cell: 071 870 7403



# **QUESTIONS ?**

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## THANK YOU !!!

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