


water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF WATER AND SANITATION
REPUBLIC OF SOUTH AFRICA**

DUE AT	11:00am
CLOSING DATE	18 January 2018
BID NUMBER	DWS04-1117 WTE
DESCRIPTION: 3 Year Term Contract for Mechanical and Other Related Major Plant & Machinery	
Installation, Maintenance, Repair, Refurbishment & Upgrade for Northern, Central, Eastern and Southern Ops	
(Limpopo, Mpumalanga, North-West, Gauteng, Free State, Kwazulu Natal, Northern & Western Cape)	
SUBMIT TENDER DOCUMENT TO	
POSTAL ADDRESS: Director-General Water and Sanitation Private Bag X313 PRETORIA, 0001	TO BE DEPOSIT IN: The Tender Box at the entrance of Zwamadaka Building 157 Francis Baard Street (Formerly Schoeman Street) PRETORIA, 0002

TENDERER: (Company address and stamp)

COMPILED BY: DEPARTMENT OF WATER AND SANITATION

BID DWS 04-1117 WTE

SCOPE OF BID

This bid makes provision for:

1. A three year contract for the mechanical and other related major plant and machinery installation, maintenance, repair, refurbishment and upgrade for Northern, Central, Eastern and Southern Operations (Limpopo, Mpumalanga, North-West, Gauteng, Free State, Northern Cape, Kwa-Zulu Natal and Western Cape).
2. Other related work 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 servicing, preventative maintenance, emergency repairs, refurbishment and upgrade.
4. The contractor shall possess: Active registration and valid grading with the Construction Industry Development Board of CIDB 9 ME.
5. The contractor will have substantial capacity and facilities to handle all the equipment listed in the Technical Specification and Requirements:
"Sub-contractors may be appointed for specialized activities, subject to the approval of the Engineer."
6. The Contractor shall with his submission of his bid indicate which specialist work will be sub- contracted to the specialist agents/sub-contractor. (Refer to Annexure 3: "Schedule of proposed sub-contractors").
7. "Proposed Alterations to Specification" Annexure 1, "Similar Work "Annexure 2, "Schedule of Proposed Sub-contractors" Annexure 3 and "Schedule of Qualifications/Experience of Key Project Team members" Annexure 4 shall also be completed by the bidder. Failure by the bidder to complete the above Annexures will lead to the disqualification of his/her bid.



PART 1

BID DWS 04-1117 WTE

INSTRUCTIONS TO BIDDERS

**MECHANICAL AND OTHER RELATED MAJOR PLANT AND
MACHINERY INSTALLATION, MAINTENANCE, REPAIR,
REFURBISHMENT AND UPGRADE FOR NORTHERN,
CENTRAL, EASTERN AND SOUTHERN OPERATIONS
(Limpopo, Mpumalanga, North-West, Gauteng, Free State,
Northern Cape, Kwa-Zulu Natal & Western Cape)**



MECHANICAL AND OTHER RELATED MAJOR PLANT AND MACHINERY
INSTALLATION, MAINTENANCE, REPAIR, REFURBISHMENT AND UPGRADE FOR
NORTHERN, CENTRAL, EASTERN AND SOUTHERN OPERATIONS
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THE DEPARTMENT OF WATER AND SANITATION (DWS) RESERVES THE RIGHT TO APPOINT OR NOT TO APPOINT ANY BIDDER OR ACCEPT ANY BID.

DWS RESERVES THE RIGHT TO CANCEL THE TENDER PROCESS IF THERE ARE ANY REASONABLE AND RATIONAL REASONS, IN LINE WITH RELEVANT REGULATIONS.



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REPUBLIC OF SOUTH AFRICA

INSTRUCTIONS TO BIDDERS

DEPARTMENT OF WATER AND SANITATION

1. All recipients of these bid documents, whether they submit a Bid or not, shall treat the details of the documents as PRIVATE AND CONFIDENTIAL.

2. **ISSUE OF DOCUMENTS**

Complete sets of bid documents with specifications are issued to each Bidder against a cost of participation (if required) of the amount stated in these documents. This cost of participation shall be paid when making application for the documents from the Director-General, Bid Section, Department of WATER AND SANITATION, Office number R2, Waterbron Building, 191 Francis Baard Street (Former Schoeman Street), Pretoria, or Private Bag X313, Pretoria, 0001.

The bid cost of participation is non-refundable.

Any amendments to published bid documents will be forwarded by certified mail only to those Bidders who requested bid documents from the Department. Bidders shall indicate in the space provided on the Appendix to Form of Bid which, if any, amendments they have received.

3. **ADDITIONAL INFORMATION**

- 3.1 Bidders are referred to Government Procurement General Conditions of Contract - obtainable from the office of the Division: Supply Chain Management (WTE), Private Bag X 313, Pretoria, 0001, and which shall be regarded as an integral part of these bid documents.

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 Conditions of Contract, Specifications, Appendices, Annexures, and Schedules of this enquiry document, in which case this enquiry document shall take precedence.

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.

Bidders are also referred to the Departmental General Conditions of Contract as more fully explained under "CONDITIONS OF CONTRACT".

- 3.2 Bidders shall acquaint themselves with the nature of the Site, rail facilities and road conditions and with all conditions and circumstances that may affect their Bids, and shall be deemed to have knowledge thereof.

If an official site inspection is to be held, it will be specified in the Project Specification, and the site inspection certificate included in these documents shall be completed.

- 3.3 If any additional information is required as to the interpretation of any part of this enquiry, immediate application should be made to the Engineer.



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4. CONDITIONS OF CONTRACT

- 4.1 All Bidders shall be deemed to have waived, renounced and abandoned any conditions printed or written upon any stationery used by them for the purpose of or in connection with the submission of bids which are in conflict with the conditions laid down in the Bid Documents.
- 4.2 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.
- 4.3 Bidders shall comply strictly with the Conditions of Contract, Enquiry Specification, Appendices, Annexures, Schedules and Forms forming this enquiry document. Bids which, in the opinion of the Employer, do not so comply will not be considered in the selection of the successful Bidder.
- 4.4 Details of all departures from, or modifications to the Specification, in the case of alternative Bids, shall be clearly stated in Annexure 1.

5. GENERAL REQUIREMENTS

- 5.1 Wherever required the Bidder shall state all statutory costs included in his bid price. The Contract will not be exempt from ruling Value Added Tax.

Bidders shall allow in their Bids for all labour, materials, machinery and everything necessary for the execution and completion of the Contract in accordance with the Bid Documents. No alteration may be made in the Form of Bid, Price Schedules or other documents, and the Bid will be deemed to comply entirely with the terms of the documents.

An addition to the Price Schedules is permissible to cover any item which the Bidder regards as technically essential and which he considers has otherwise been omitted from the Schedule. Full technical details shall be given in a covering letter.

- 5.2 The Bidder shall give details in the Annexure to Price Schedules of all importing costs on which the Contract Price is based together with a schedule of importing charges and rates of exchange ruling at the date of bid.
- 5.3 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.
- 5.4 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.
- 5.5 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.

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.

The bid documents shall NOT be separated in any way nor shall any pages be detached from the original documents.

- 5.6 Within 4 weeks of receipt of order, the successful Bidder shall submit a detailed Program of Works.
- 5.7 The bid offer shall comprise two copies of the following:
- 5.7.1 Bidder's covering letter, if any, otherwise Bidder's name and address.

PART 1: INSTRUCTION TO BIDDERS



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- 5.7.2 All data sheets, illustrative literature and Bidder's drawings as required by these bid documents.
- 5.7.3 These bid documents, duly completed in full and signed as required in clause 7 of these instructions.
- 5.7.4 For administrative purposes, Bidders are requested to Photostat their completed FORM OF BID and enclose the loose copy inside the front cover of their bid document.
6. PREFERENCE FOR GOODS MANUFACTURED OR ASSEMBLED LOCALLY
- 6.1 Bidders are required to state, in the appropriate Price Schedules; the value of plant, equipment or components manufactured in South Africa to enable the relevant preference for locally manufactured goods to be allowed, in the adjudication of Bids. Unless this information is correctly given no preference for local manufacture will be allowed.
7. SIGNATURES
- 7.1 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.
- 7.2 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:
- 7.2.1 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.
- 7.2.2 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.
8. SUBMISSION
- 8.1 The bid offer shall be submitted as follows:
- 8.1.1 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.
- 8.1.2 The duplicate copy of the Bid (if required) shall be sealed in a separate envelope together with duplicate copies of accompanying letters and literature and endorsed with the title and bid number stated on the front cover of these documents and marked:
"Duplicate of Original Bid".
The name of the Bidder shall be clearly shown.
- 8.1.3 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.
- 8.2 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.



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8.3 The additional copy of the Bid Documents may be retained by the Bidder for his records.

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

NOTE: Bidders are strongly advised to deliver Bids well before the deadline, as under NO CIRCUMSTANCES will any late Bid be accepted.

9. ADJUDICATION

9.1 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.

9.2 The Employer reserves the right to adjust any arithmetical or other patent errors in the Bid. Any adjustments in this respect made by the Engineer to the Bid will be communicated to the Bidder prior to the acceptance of the Bid.

9.3 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.

9.4 Bids, where the prices bided for erection and site testing are less than 2/3 the average of the comparative bided prices of the remaining Bids for the same item, will be rejected.

9.5 The Bidder shall, within 7 days from the date on which he was requested to do so, submit a full report on his financial standing from his banker. The Department may, in its discretion, condone any failure to comply with the foregoing condition.

The Department also reserves the right to approach the Bidder's banker or guarantor(s) as indicated in the bid document, with a view to ascertaining whether the required guarantee will be furnished.

10. DISQUALIFICATION OF BID

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.

11. ADJUDICATION OF THE CONTRACT

The Department reserves the right to award the contract to more than one Bidder.



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NOTICE TO ALL POTENTIAL BIDDERS

PLEASE NOTE THAT BBBEE STATUS CLAIMED IN THE STANDARD BIDDING DOCUMENT PROVIDED MAY BE AUDITED BY AN INDEPENDENT PROFESSIONAL SERVICE PROVIDER. BIDDERS THAT SUPPLY INCORRECT OR FALSE INFORMATION REGARDING THE BBBEE STATUS OF THEIR COMPANY RUNS THE RISK OF BEING PROSECUTED WITH POSSIBLE RESTRICTION FROM PARTICIPATING IN CONTRACTS WITH ANY DEPARTMENT IN THE SPHERE OF GOVERNMENT.



PART 2

BID DWS 04-1117 WTE

BID FORMS

**MECHANICAL AND OTHER RELATED MAJOR PLANT AND
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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

"NOTICE TO ALL POTENTIAL BIDDERS:

PLEASE NOTE THAT PREFERENCE POINTS CLAIMED IN THE STANDARD BIDDING DOCUMENT PROVIDED WILL BE AUDITED BY AN INDEPENDENT PROFESSIONAL SERVICE PROVIDER. SUPPLIERS THAT PROVIDE INCORRECT OR FALSE INFORMATION REGARDING THE OWNERSHIP OF THEIR COMPANY, RUNS THE RISK OF BEING PROSECUTED WITH POSSIBLE RESTRICTION FROM PARTICIPATING IN CONTRACTS WITH ANY OTHER DEPARTMENT IN THE SPHERE OF GOVERNMENT.



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF WATER AND SANITATION					
BID NUMBER:	DWS 04-1117 WTE	CLOSING DATE:	18 January 2017	CLOSING TIME:	11:00
DESCRIPTION	THREE YEAR TERM CONTRACT FOR MECHANICAL AND OTHER RELATED MAJOR PLANT AND MACHINERY INSTALLATION, MAINTENANCE, REPAIR, REFURBISHMENT AND UPGRADE FOR NORTHERN, CENTRAL, EASTERN AND SOUTHERN OPERATIONS (LIMPOPO, MPUMALANGA, NORTH WEST, GAUTENG, FREE STATE, NORTHERN CAPE, KWA-ZULU NATAL AND WESTERN CAPE).				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).					

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX
SITUATED AT (STREET ADDRESS)

157 FRANCISBAARD STREET					
ZWAMADAKA BUILDING					
PRETORIA					
0001					
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
		TCS PIN:		OR	CSD No:
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes			B-BBEE STATUS LEVEL SWORN AFFIDAVIT	<input type="checkbox"/> Yes
	<input type="checkbox"/> No				<input type="checkbox"/> No
IF YES, WHO WAS THE CERTIFICATE ISSUED BY?					
AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX	<input type="checkbox"/>	AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)			
	<input type="checkbox"/>	A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)			
	<input type="checkbox"/>	A REGISTERED AUDITOR NAME:			
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT (FOR EMEs & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ANSWER PART B:3 BELOW]
SIGNATURE OF BIDDER	DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.)			
TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE (ALL INCLUSIVE)	
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT/ PUBLIC ENTITY	Dept: Water & Sanitation	CONTACT PERSON	Mr T Ngati
CONTACT PERSON	Mr M Mdletshe	TELEPHONE NUMBER	012 336 8623
TELEPHONE NUMBER	012 336 7654	FACSIMILE NUMBER	
FACSIMILE NUMBER		E-MAIL ADDRESS	ngatit@dws.gov.za
E-MAIL ADDRESS	mdletshem@dws.gov.za		

PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR ONLINE
1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.
2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS
3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? <input type="checkbox"/> YES <input type="checkbox"/> NO
3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA? <input type="checkbox"/> YES <input type="checkbox"/> NO

3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?

☐ YES ☐ NO

3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?

☐ YES ☐ NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

TAX CLEARANCE CERTIFICATE REQUIREMENTS

It is a condition of bid that the taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.

- 1 In order to meet this requirement bidders are required to complete in full the attached form TCC 001 "Application for a Tax Clearance Certificate" and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.
- 2 SARS will then furnish the bidder with a Tax Clearance Certificate that will be valid for a period of 1 (one) year from the date of approval.
- 3 The original Tax Clearance Certificate must be submitted together with the bid. Failure to submit the original and valid Tax Clearance Certificate will result in the invalidation of the bid. Certified copies of the Tax Clearance Certificate will not be acceptable.
- 4 In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate.
- 5 Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za.
- 6 Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.

**Application for a Tax Clearance Certificate****Purpose**

Select the applicable option

Tenders

Good standing

If "Good standing", please state the purpose of this application

Particulars of applicantName/Legal name
(Initials & Surname
or registered name)Trading name
(if applicable)

ID/Passport no

Company/Close Corp.
registered no

Income Tax ref no

PAYE ref no 7

VAT registration no 4

SDL ref no L

Customs code

UIF ref no U

Telephone no

Fax
no

E-mail address

Physical address

Postal address

Particulars of representative (Public Officer/Trustee/Partner)

Surname

First names

ID/Passport no

Income Tax ref no

Telephone no

Fax
no

E-mail address

Physical address

Particulars of tender (If applicable)

Tender number

Estimated Tender
amount

R

Expected duration
of the tender

year(s)

Particulars of the 3 largest contracts previously awarded

Date started	Date finalised	Principal	Contact person	Telephone number	Amount
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Audit

Are you currently aware of any Audit investigation against you/the company? YES NO

If "YES" provide details

Appointment of representative/agent (Power of Attorney)

I the undersigned confirm that I require a Tax Clearance Certificate in respect of Tenders or Goodstanding.

I hereby authorise and instruct SARS the applicable Tax Clearance Certificate on my/our behalf. to apply to and receive from

Signature of representative/agent

Date

Name of
representative/
agent**Declaration**

I declare that the information furnished in this application as well as any supporting documents is true and correct in every respect.

Signature of applicant/Public Officer

Date

Name of applicant/
Public Officer**Notes:**

1. It is a serious offence to make a false declaration.
2. Section 75 of the Income Tax Act, 1962, states: Any person who
 - (a) falls or neglects to furnish, file or submit any return or document as and when required by or under this Act; or
 - (b) without just cause shown by him, refuses or neglects to-
 - (i) furnish, produce or make available any information, documents or things;
 - (ii) reply to or answer truly and fully, any questions put to him ...

As and when required in terms of this Act ... shall be guilty of an offence ...
3. SARS will, under no circumstances, issue a Tax Clearance Certificate unless this form is completed in full.
4. Your Tax Clearance Certificate will only be issued on presentation of your South African Identity Document or Passport (Foreigners only) as applicable.

PRICING SCHEDULE – NON-FIRM PRICES (PURCHASES)

NOTE: PRICE ADJUSTMENTS WILL BE ALLOWED AT THE PERIODS AND TIMES SPECIFIED IN THE BIDDING DOCUMENTS.

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of Bidder.....	Bid number.....
Closing Time 11:00	Closing date.....

OFFER TO BE VALID FOR...120...DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
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1		THREE YEAR TERM CONTRACT FOR MECHANICAL AND OTHER RELATED MAJOR PLANT AND MACHINERY INSTALLATION, MAINTENANCE, REPAIR, REFURBISHMENT AND UPGRADE FOR NORTHERN, CENTRAL, EASTERN AND SOUTHERN OPERATIONS (LIMPOPO, MPUMALANGA, NORTH-WEST, GAUTENG, FREE STATE, KWAZULU NATAL, NORTHERN AND WESTERN CAPE)	R
---	--	--	---------

- Required by:

- At:

- Brand and model
.....

- Country of origin
.....

☐ Does the offer comply with the specification(s)? *YES/NO

- If not to specification, indicate deviation(s)
.....

- Period required for delivery
.....

☐ Delivery: *Firm/not firm

** "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

*Delete if not applicable

PRICE ADJUSTMENTS

A NON-FIRM PRICES SUBJECT TO ESCALATION

1. IN CASES OF PERIOD CONTRACTS, NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES
2. IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1 - V)Pt \left(D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + D4 \frac{R4t}{R4o} \right) + VPt$$

Where:

Pa	=	The new escalated price to be calculated.
(1-V)Pt	=	85% of the original bid price. Note that Pt must always be the original bid price and not an escalated price.
D1, D2..	=	Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1, D2...etc. must add up to 100%.
R1t, R2t.....	=	Index figure obtained from new index (depends on the number of factors used).
R1o, R2o	=	Index figure at time of bidding.
VPt	=	15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

3. The following index/indices must be used to calculate your bid price:

Index..... Dated..... Index..... Dated..... Index..... Dated.....
 Index..... Dated..... Index..... Dated..... Index..... Dated.....

4. FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS FACTORS MUST ADD UP TO 100%.

FACTOR (D1, D2 etc. eg. Labour, transport etc.)	PERCENTAGE OF BID PRICE

B PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS

1. Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

2. Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-

- the bidder is employed by the state; and/or
- the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

- 2.1 Full Name of bidder or his or her representative:
- 2.2 Identity Number:
- 2.3 Position occupied in the Company (director, trustee, shareholder²):
- 2.4 Company Registration Number:
- 2.5 Tax Reference Number:
- 2.6 VAT Registration Number:
- 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

¹"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

²"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

2.7 Are you or any person connected with the bidder presently employed by the state? YES / NO

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member:

Name of state institution at which you or the person connected to the bidder is employed :

Position occupied in the state institution:

Any other particulars:

.....

.....

.....

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? YES / NO

2.7.2.1 If yes, did you attached proof of such authority to the bid document? YES / NO

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....

.....

.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? YES / NO

2.8.1 If so, furnish particulars:

.....

.....

.....

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? YES / NO

```
*****
*****
*****
```

YES/NO

[illegible]

YES/NO

.....
.....
.....

3

[illegible]

4 DECLARATION

I, THE UNDERSIGNED (NAME).....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT.
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF
PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION
PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

May 2011

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2

a) The value of this bid is estimated to exceed R50 000 000 (all applicable taxes included) and therefore the...90/10..... preference point system shall be applicable; or

b) 90/10 preference point system will be applicable to this tender.

1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contributor.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	90
B-BBEE STATUS LEVEL OF CONTRIBUTOR	10
Total points for Price and B-BBEE must not exceed	100

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

- (a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **"B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **"functionality"** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **"prices"** includes all applicable taxes less all unconditional discounts;
- (h) **"proof of B-BBEE status level of contributor"** means:
 - 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **"QSE"** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20

or

90/10

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{\min} = Price of lowest acceptable bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

- 4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

5. BID DECLARATION

5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

6.1 B-BBEE Status Level of Contributor: =(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

7.1.1 If yes, indicate:

i) What percentage of the contract will be subcontracted.....%

ii) The name of the sub-contractor.....

iii) The B-BBEE status level of the sub-contractor.....

iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

Designated Group: An EME or QSE which is at least 51% owned by:	EME √	QSE √
Black people	<input type="checkbox"/>	<input type="checkbox"/>
Black people who are youth	<input type="checkbox"/>	<input type="checkbox"/>
Black people who are women	<input type="checkbox"/>	<input type="checkbox"/>

Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

Partnership/Joint Venture / Consortium

One person business/sole propriety

Close corporation

Company

(Pty) Limited

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

8.6 COMPANY CLASSIFICATION

Manufacturer

Supplier

Professional service provider

Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

8.7 Total number of years the company/firm has been in business:.....

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;

- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audialterampartem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution.

WITNESSES

1.

2.

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

.....

.....

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2. Regulation 9.(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for bids referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

2. Definitions

- 2.1. **“bid”** includes written price quotations, advertised competitive bids or proposals;
- 2.2. **“bid price”** price offered by the bidder, excluding value added tax (VAT);
- 2.3. **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4. **“designated sector”** means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
- 2.5. **“duly sign”** means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility(close corporation, partnership or individual).
- 2.6. **“imported content”** means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour or intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7. **“local content”** means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
- 2.8. **“stipulated minimum threshold”** means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9. **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
3. **The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
<u>See attached annexure</u>	_____ %
_____	_____ %
_____	_____ %

Annexure to Paragraph 3 of SBD 6.2

VALVES

	DESCRIPTION OF ITEM				MINIMUM THRESHOLD	BIDDER'S SCORE
	Types of Valves	Pressure type	Size	Pressure Rating (or imperial equivalent)	% Local Content per unit	
1.	Check valves (Non-Return valves, Reflux valves, Tilting Disk valves, Double Door, Multi Door, Swing Check)	Low pressure	80mm – 3500mm	PN6-PN25	70%	
		High pressure	80mm – 2500mm	Class 150-1500 Metric PN25-PN250	70%	
2.	Butterfly Valves (Rotating Disk valves, Rotary Control valve, Quarter Turn Gate valve)	Low pressure	80mm – 3500mm	PN6-PN25	70%	
		High pressure	80mm – 3500mm	Class 150-1500 Metric PN25-PN250	70%	
3.	Ball Valves (Spherical valves, Rotary valves)	Low pressure	20mm-300mm	PN10-PN25	70%	
		High pressure	20mm-600mm	Class 150-4500 Metric PN25-PN450	70%	
4.	Gate Valves (RSVs, Wedge Gates, Sluice valves, Parallel Slides, Penstocks, Bonnet Gates, Scour valves)	Low pressure	15mm-1800mm	PN6-PN25	70%	
		High pressure	80mm-1800mm	Metric PN25-PN100	70%	
5.	Diaphragm Valves (Slurry valve or Saunders valve)	Low pressure	15mm-350mm	PN10, PN16 & PN25	70%	
6.	Knife Gate Valves	Low pressure	40mm-1200mm	PN10 & PN16	70%	
7.	Safety or Relief Valves (Pressure valve or Vacuum valve)	Low pressure	15mm-32mm	PN16	70%	
8.	Taps, Cocks	Low pressure	Full range	N/A	70%	
9.	Pneumatic Actuators – Double acting (Vein type, Linear type, Scotch Yolk type, Rotary type, Double Crank type, Rack and Pinion type)	Low pressure	~392 000nm torque	N/A	70%	
10.	Pneumatic Actuators – spring return (Vein type, Linear type, Scotch Yolk type, Rotary type, Double Crank type, Rack and Pinion type)	Low pressure	~215 000nm torque	N/A	70%	
11.	Manual Actuators (Gearboxes)	Low pressure	~200 000nm torque	N/A	70%	
12.	Fire Hydrants (Underground) Fire Deluge valve	Low pressure	65mm inlet	PN16	70%	
13.	Pressure Reducing	Low	Full range	Full range	70%	

	Valve (PRV) (Self-Regulating valve)	pressure				
14.	Plug valves (excluding expanding plug valves) (Double Block & Bleed valve)	Low pressure	20-600mm	PN10-PN26	70%	
		High pressure	20-600mm	PN25-PN100		
15.	Control Valve (Globe Control valve, Piston Type Control valve)	Low pressure	25-600mm	PN10-PN25	70%	
		High pressure	25-600mm	Class 150-4500 Metric PN25-PN750		
16.	Air Valve (Vacuum release valve)	Low pressure	50-300mm	PN10-PN25		
		High pressure	50-300mm	PN25-PN40		
17.	Pinch valve (slurry valve)	Low pressure	50-800mm	PN10-PN40		
18.	Disc Valve	Low pressure	50-800mm	PN10-PN16		
19.	Sleeve Valve (Fixed Cone valves, Discharge valves, Scour valves, Howell Bungler valves, Energy Dissipating valve)	Low pressure	Full range	PN10-PN25		

ELECTRICAL CABLES

	ELECTRICAL CABLE PRODUCTS		STIPULATED MINIMUM THRESHOLD	BIDDER'S SCORE
	CATEGORY	TYPE		
1.	Low Voltage	Housewire, Flat Twin and Earth, Surface Cable, Rip Cord, Cab Tyre, Bells Cable, 1,5mm ² – 16mm ² 2-37 cores, Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH) Main Cable 25mm ² – 100mm ² , 1-4 cores, Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH), Flexible Cables, Aerial Cables, ACSR, Split Concentric & Aerial Bundled Conductor (ABC).	90%	
2.	Medium Voltage	3,3KV – 22KV, 1-3cores, Cross linked Polyethylene (XLPE) and Paper Insulated Lead Covered (PILC), Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH).	90%	
3.	High Voltage	132KV, Single Core, Corrugated Seamless Aluminium (CSA) Sheathed	90%	
4.	Copper Telecommunication Cables	Standard and high frequency (ADSL) outside plant copper pair telecoms cables (10 pair up to 240 pair), Indoor, PABX and high frequency (DSLAM) copper pair telecoms cables up to 200 pair, Category 6 copper data cables.	90%	
5.	Copper Industrial Cables	Railway signaling copper cables, Electrical signaling copper cables, Steel wire armoured copper telecoms cables, UVG copper control cables for electrical utilities, Fire Alarm and control copper cables.	90%	
6.	Copper Instrumentation Cables	Thermocouple extension wire, Tray and direct buried instrumentation and control copper cables compliant to SABS, UL and BS standards accreditation.	90%	
7.	Fibre Optic Telecommunication Cables	Outside plant duct fibre optic cables up to 288 Fibre count, Aerial (short span, medium span and long span) self-support fibre optic cables up to 144 fibre count applications up to 144 fibre count	90%	
8.	Fibre Optic Industrial Cables	Metallic armoured instrumentation and control fibre optic cables, Steel wire armoured mineshaft fibre optic cables, field deployable high durability fibre optic cables, Composite (fibre optic and copper core) cables.	90%	

TRANSFORMERS

	TRANSFORMERS (classes)	Power Rating, MVA (Range)	Voltage Rating, kV (Range)	% Local Content threshold			BIDDER'S SCORE
				From the effective date	01/01/2018	01/01/2020	
1.	Class 0	0.001 to 1	220V to 22	90%			
2.	Class 1	1.25 to 160	11 to 132	70%	80%		
3.	Class 2	40 to 315	220 to 275	70%	80%		
4.	Class 3A	360 to 500	220 to 275	45%	60%	80%	
5.	Class 3B	40 to 1000	320 to 400				
6.	Class 4	40 to 2000	>420 to 800	10%	20%	20%	

7.	Components and Manufacturing processes for Class 0	%Local content from the Effective Date	BIDDER'S SCORE
a)	Fabrication ¹ of the tank and parts	100%	
b)	Fabrication of the core ²	100%	
c)	Manufacture ³ of windings and assembly	100%	
d)	Manufacture of bushings	100%	
e)	Off-circuit tap switch	100%	
f)	Oil (i.e. blending, processing and handling)	100%	
g)	<u>Accessories Category A:</u> Radiators Fans Kiosks Oil conservator Breather canisters	100%	
h)	<u>Accessories Category B:</u> Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)	
i)	Assembly and Testing	100%	

¹ Fabrication of the tank includes cutting, welding, sand-blasting and painting processes

² Fabrication of the core includes sizing, slitting, cutting, stacking and clamping processes.

³ Manufacture of windings includes rolling, sizing and insulation

8.	Components and Manufacturing processes for Class 1	%Local Content		BIDDER'S SCORE
		from the Effective Date	From 01/01/2018	
a)	Fabrication of the tank and parts	100%	100%	
b)	Fabrication of the core	100%	100%	
c)	Manufacture of windings and assembly	50%	100% (Conductors localised)	
d)	Oil (i.e. blending, processing and handling)	100%	100%	
e)	<u>Accessories Category A:</u> Radiators Fans Kiosks Oil conservator Breather canisters	100%	100%	
f)	<u>Accessories Category B:</u> Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)		
g)	Assembly and Testing	100%	100%	

9.	Components and Manufacturing processes for Class 2	%Local Content		Bidder's Score
		from the Effective Date	From 01/01/2018	
a)	Fabrication of the tank and parts	100%	100%	
b)	Fabrication of the core	100%	100%	
c)	Manufacture of windings and assembly	50%	100% (Conductors localised)	
d)	Oil (i.e. blending, processing and handling)	100%	100%	
e)	<u>Accessories Category A:</u> Radiators Fans Kiosks Oil conservator Breather canisters	100%	100%	
f)	<u>Accessories Category B:</u> Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)		
g)	Assembly and Testing	100%	100%	

10.	Components and Manufacturing processes for Class 3	%Local Content			Bidder's Score
		from the Effective Date	From 01/01/2018	From 01/01/2020	
a)	Fabrication of the tank and parts	100%	100%	100%	
b)	Fabrication of the core	-	-	100%	
c)	Windings processes		40% Winding conductors localised	100% Manufacture of windings and assembly inclusive of conductors localised	
d)	Oil (i.e. blending, processing and handling)	100%	100%	100%	
e)	<u>Accessories Category A:</u> Radiators Fans Kiosks Oil conservator Breather canisters	100%	100%	100%	
f)	<u>Accessories Category B:</u> Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)			
g)	Assembly and Testing	100%	100%	100%	

11.	Components and Manufacturing processes for Class 4	%Local Content			Bidder's Score
		from the Effective Date	From 01/01/2018	From 01/01/2020	
a)	Winding Conductor	-	100%	100%	
b)	Oil (i.e. blending, processing and handling)	100%	100%	100%	
c)	<u>Accessories Category A:</u> Radiators Fans Kiosks Oil conservator Breather canisters	100%	100%	100%	
d)	<u>Accessories Category B:</u> Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)			

12.	SHUNT REACTORS (classes)	Reactive Power Rating, MVar (Range)	Voltage Rating, kV (Range)	% Local Content threshold			Bidder's Score
				From the effective date	01/01/2018	01/01/2020	
a)	Class 1	<= 80 MVar	11kV to 132kV	70%	80%		
b)	Class 2	>80 MVar	132kV to 275kV	70%	80%		
c)	Class 3	100MVar – 250 MVar	>275kV – 420kV	45%	60%	80%	
d)	Class 4	>100MVar	>420kV – 765kV	10%	20%	20%	

RADIO

RADIO TERMINAL	Components and manufacturing processes against which the overall local content must be discharged		Bidder's Score
	Components and manufacturing processes	% local content from 04/2017	
1. Portable radio	Controls	100%	
	Display	20%	
	Interfaces	40%	
	Data Module	50%	
	Radio Module	50%	
	RF Amplifier	100%	
	Antenna	100%	
	Battery	30%	
	Charger	50%	
	Assembly and testing of the fully-built unit	100%	
	Position Module	30%	
	Power Supply	70%	
	Connectors	25%	
	Enclosure	90%	
	Embedded Custom Software	90%	
	Software Libraries	-	
	Total minimum local content (per unit)	60%	

RADIO TERMINAL	Components and manufacturing processes against which the overall local content must be discharged		Bidder's Score
	Components and manufacturing processes	% local content from 04/2017	
2. Mobile radio	Controls	100%	
	Display	20%	
	Interfaces	40%	
	Data Module	70%	
	Radio Module	70%	
	RF Amplifier	70%	
	Antenna	100%	
	Battery	25%	
	Charger	70%	
	Assembly and testing of the fully-built unit	100%	
	Position Module	50%	
	Power Supply	50%	
	Connectors	25%	
	Enclosure	90%	
	Embedded Custom Software	90%	
	Software Libraries	-	
	Total minimum local content (per unit)	60%	

RADIO TERMINAL	Components and manufacturing processes against which the overall local content must be discharged		Bidder's Score
	Components and manufacturing processes	% local content from 04/2017	
3. Repeater	Controls	100%	
	Display	20%	
	Interfaces	40%	
	Data Module	70%	
	Radio Module	70%	
	RF Amplifier	70%	
	Antenna	100%	
	Battery	25%	
	Charger	30%	
	Assembly and testing of the fully-built unit	100%	
	Position Module	30%	
	Power Supply	70%	
	Connectors	25%	
	Enclosure	90%	
	Embedded Custom Software	90%	
	Software Libraries	-	
	Total minimum local content (per unit)	60%	

PIPES, PIPE SPECIALS AND PIPE FITTINGS

	Description of Item	Minimum Threshold	Bidder's score
1.	mPVC pressure pipes in six (6) meter lengths complete with rubber seal ring joints	100%	
2.	uPVC pressure pipes in six (6) meter lengths complete with rubber ring joints	100%	
3.	uPVC Waste systems – plain pipe	100%	
4.	uPVC Waste systems	100%	
5.	uPVC soil & vent – plain pipe	100%	
6.	uPVC soil & vent – socket	100%	
7.	uPVC soil & vent – inspection pipe and bends	100%	
8.	uPVC underground	100%	
9.	uPVC underground – twin wall push fit double socket	100%	
10.	uPVC underground – socket	100%	
11.	uPVC underground – bend plain	100%	
12.	Pipe HDPE PE 63 (Type IV)	100%	
13.	Pipe HDPE PE 80 (Type V)	100%	
14.	mPVC and uPVC double LYNG sockets	100%	
15.	uPVC bends/elbows Class 16	100%	
16.	mPVC bends/elbows Class 16	100%	
17.	mPVC and uPVC double LYNG sockets	100%	
18. (a)	mPVC and uPVC double sockets	100%	
18. (b)	uPVC sockets: Joints shall be solvent weld type	100%	
19.	Hot Dip Galvanised steel pipes medium class (16 bar)	100%	
20.	Ductile Iron Pipes – Socket pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths	N/A	
21.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – Flanged pipes (no corrosion protection)	100%	
22.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – Polymer Modified Bitumen coating system external and Two (2) Pack Epoxy internal	80%	
23.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – Polymer Modified Bitumen coating system external	80%	
24.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – 3LPE pipe coating external and Two (2) Pack Epoxy internal	80%	
25.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – Rigid Polyurethane Coating System external and Two (2) Pack Epoxy internal	80%	
26. (a)	Stainless Steel Grade 304L – Flanged Pipes	100%	
26. (b)	Stainless Steel Grade 304L – Plain Ended Pipes	100%	
27. (a)	Stainless Steel Grade 316L – Flanged Pipes	100%	
27. (b)	Stainless Steel Grade 316L – Plain Ended Pipes	100%	
28.	Mild Steel Pipes in (9.144), (12.192) meter (m) lengths (plain ended uncoated)	100%	
29.	Hot Dip Galvanised Pipe Fittings	80%	
30.	Short Pattern Stainless Steel Ball Valves	70%	
31. (a)	Gate Valves (Clockwise Closure)	70%	
31. (b)	RSV (Resilient Seal Gate Valve)	N/A	
	(Non-Rising Stem)	70%	
31.(c)	Double Acting Air Release Valve	70%	
32.	Mild Steel Bends/Elbows Class 16 – Plain Ended – Hot Dip	80%	

	Galvanised		
33.	Three (3D) Pulled Bends – Plain Ended – Uncoated	100%	
34.	Scour Tees	80%	
35.	Three (3D) Pulled Bends – with Screwed Ends – with one Hot Dip Galvanised Socket per Bend	80%	
36.	Loose Rubber Seal Rings for LYING Ends	N/A	
37.	Saddles with an outlet of 25 mm	N/A	
38.	End Caps	N/A	
39.	Hydrant Tees	N/A	
40.	Scour Tees	N/A	
41.	Equal Tees: uPVC joints shall be of Solvent Weld type	100%	
42.	Reducing Tees	80%	
43.	Reducers	80%	
44.	Equal Crosses	80%	
45.	Lubricant for jointing		
46.	Brass Tap BIB 208 – Pillar Mounted – Plain Outlet	70%	
47.	Insert Nylon Fittings for use on HDPE and LDPE pipes	80%	
48.	Compression Fittings	80%	
49.	Cast Iron Flange Adapters – Ductile Iron	N/A	
50.	Straight Couplings	N/A	
51. (a)	Strap Coupling 600 KPa (6 bar) working pressure for Steel Pipes – Hot Dip Galvanised	80%	
51. (b)	Strap Coupling 1000 KPa (10 bar) working pressure for Steel Pipes – Hot Dip Galvanised	80%	
51. (c)	Strap Coupling 1600 KPa (16 bar) working pressure for Steel Pipes – Hot Dip Galvanised	80%	
52. (a)	Strap Coupling 600 KPa (6 bar) working pressure for Steel Pipes – Special Stainless Steel	80%	
52. (b)	Strap Coupling 1000 KPa (10 bar) working pressure for Steel Pipes – Special Stainless Steel	80%	
52. (c)	Strap Coupling 1600 KPa (16 bar) working pressure for Steel Pipes – Special Stainless Steel	80%	
53.	Flanges – Uncoated – Loose	100%	
54.	Flanges – Hot Dip Galvanised – Loose	80%	
55.	Internal Lining – Fusion Bond Epoxy – (Cost per meter)	N/A	
56.	External Lining – Two (2) Pack Epoxy Coated	N/A	
57.	External Lining – Rigid Polyurethane External Coating	N/A	
58.	Welding Cost per flange	100%	
59.	Additional Polyurethane Colour Paint – Top Coat – For Straight Piping	N/A	
60.	Bituguard External Tape Wrapping	N/A	
61.	Welding Cost for Circumferential or Obligate weld including 100% Radiographic Examination (Workshop)	100%	
62.	Welding Cost for repairs on site for Circumferential or Obligate welding procedures (Excluding Radiographic Examination)	100%	
63.	Ductile Iron Pipe Bends – Double Flanged Bends	N/A	
64.	Ductile Iron Pipe Bends – Double Socket Bends	N/A	
65. (a)	Standard Mild Steel Elbows (Over 45 degrees up to and including 90 degrees, 3 or 4 segments – Two Pack Epoxy 400 microns inside,	100%	
65. (b)	and Two Pack Epoxy 400 microns plus Tape Wrapping outside.	100%	
65. (c)	Standard Mild Steel Elbows (Over 22.5 degrees up to and including 45 degrees, 2 or 3 segments) – Two Pack Epoxy 400 microns	100%	

66. (a)	Standard Mild Steel Medium Radius Bends (Over 45 degrees up to and including 90 degrees, 4 or 5 segments) – Two Pack Epoxy 400	100%	
66. (b)	microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	N/A	
66. (c)	Standard Mild Steel Medium Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3 or 4 segments) – Two Pack Epoxy	100%	
67. (a)	Standard Mild Steel Long Radius Bends (Over 45 degrees up to and including 90 degrees, 5, 6 or 7 segments) – Two Pack Epoxy 400	100%	
67. (b)	microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	N/A	
67. (c)	Standard Mild Steel Long Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3, 4 or 5 segments) – Two Pack Epoxy	100%	
68.	Standard Mild Steel Duckpoort Elbow and Bends – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
69.	Standard Mild Steel Tees – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
70. (a)	Standard Mild Steel Sweep Tees (Long Radius) – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
70. (b)	Standard Mild Steel Sweep Tees (Medium Radius) – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
70. (c)	Standard Mild Steel Sweep Tees (Medium Radius) – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
71. (a)	Standard Mild Steel Laterals 80 degrees – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
71. (b)	Standard Mild Steel Laterals 45 degrees – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
71. (c)	Standard Mild Steel Laterals 30 degrees – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
72.	Standard Mild Steel Reducers – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
73.	Standard Mild Steel Bell Mouths – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
74. (a)	Standard Stainless Steel 304L Elbows (Over 45 degrees up to and including 90 degrees, 3 or 4 segments)	100%	
74. (b)	Standard Stainless Steel 304L Elbows (Over 22.5 degrees up to and including 45 degrees, 2 or 3 segments)	100%	
74. (c)	Standard Stainless Steel 304L Elbows (Up to and including 22.5 degrees, 2 segments)	100%	
75. (a)	Standard Stainless Steel 304L Medium Radius Bends (Over 45 degrees up to and including 90 degrees, 4 or 5 segments)	100%	
75. (b)	Standard Stainless Steel 304L Medium Radius Bends (Over	100%	

	22.5 degrees up to and including 45 degrees, 3 or 4 segments)		
75. (c)	Standard Stainless Steel 304L Medium Radius Bends (Up to and including 22.5 degrees, 2 or 3 segments)	100%	
76. (a)	Standard Stainless Steel 304L Long Radius Bends (Over 45 degrees up to and including 90 degrees, 5, 6 or 7 segments)	100%	
76. (b)	Standard Stainless Steel 304L Long Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3, 4 or 5 segments)	100%	
76. (c)	Standard Stainless Steel 304L Long Radius Bends (Up to and including 22.5 degrees, 2 or 3 segments)	100%	
77.	Standard Stainless Steel 304L Duckpoort Elbow and Bends	100%	
78.	Standard Stainless Steel 304L Tees	100%	
79. (a)	Standard Stainless Steel 304 L Sweep Tees (Long Radius)	100%	
79. (b)	Standard Stainless Steel 304L Sweep Tees (Medium Radius)	100%	
79. (c)	Standard Stainless Steel 304L Sweep Tees (Elbows)	100%	
80. (a)	Standard Stainless Steel 304L Laterals 80 degrees	100%	
80. (b)	Standard Stainless Steel 304L Laterals 45 degrees	100%	
80. (c)	Standard Stainless Steel 304L Reducers	100%	
81.	Standard Stainless Steel 304L Bell Mouths	100%	
82. (a)	Standard Stainless Steel 316L Elbows (Over 45 degrees up to and including 90 degrees, 3 or 4 segments)	100%	
82. (b)	Standard Stainless Steel 316L Elbows (Over 22.5 degrees up to and including 45 degrees, 2 or 3 segments)	100%	
82. (c)	Standard Stainless Steel 316L Elbows (Up to and including 22.5 degrees, 2 segments)	100%	
83. (a)	Standard Stainless Steel 316L Elbows (Over 45 degrees up to and including 90 degrees, 3 or 4 segments)	100%	
83. (b)	Standard Stainless Steel 316L Elbows (Over 22.5 degrees up to and including 45 degrees, 2 or 3 segments)	100%	
83. (c)	Standard Stainless Steel 316L Elbows (Up to and including 22.5 degrees, 2 segments)	100%	
84. (a)	Standard Stainless Steel 316L Long Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3, 4 or 5 segments)	100%	
84. (b)	Standard Stainless Steel 316L Long Radius Bends (Up to and including 22.5 degrees, 2 or 3 segments)	100%	
84. (c)	Standard Stainless Steel 316L Long Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3, 4 or 5 segments)	100%	
85.	Standard Stainless Steel 316L Duckpoort Elbow and Bends	100%	
86.	Standard Stainless Steel 316L Tees	100%	
87. (a)	Standard Stainless Steel 316 L Sweep Tees (Long Radius)	100%	
87. (b)	Standard Stainless Steel 316L Sweep Tees (Medium Radius)	100%	
87. (c)	Standard Stainless Steel 316L Sweep Tees (Elbows)	100%	
88. (a)	Standard Stainless Steel 316L Laterals 80 degrees	100%	
88. (b)	Standard Stainless Steel 316L Laterals 30 degrees	100%	
88. (c)	Standard Stainless Steel 316L Laterals 45 degrees	100%	
89.	Standard Stainless Steel 316L Reducers	100%	
90.	Standard Stainless Steel 316L Bell Mouths	100%	
91.	Non-Standard Mild Steel Pipes 500mm Lengths (Flanged Both Ends)	100%	
92.	Non-Standard Galvanised Steel Pipes 500 mm Lengths (Flanged One End)	80%	
93.	Non-Standard Galvanised Steel Pipes 500 mm Lengths	80%	

	(Flanged Both Ends)		
94.	Non-Standard Galvanised Steel Pipes 1000 mm Lengths (Flanged Both Ends)	80%	
95.	Non-Standard Galvanised Steel Pipes 1000 mm Lengths (Flanged One End)	80%	
96.	Non-Standard Galvanised Steel Pipes 2000 mm Lengths (Flanged Both Ends)	80%	
97.	Non-Standard Galvanised Steel Pipes 2000 mm Lengths (Flanged One End)	80%	
98.	Non-Standard Galvanised Steel Pipes 3000 mm Lengths (Flanged Both Ends)	80%	
99.	Non-Standard Galvanised Steel Pipes 3000 mm Lengths (Flanged One End)	80%	
100.	Non-Standard Galvanised Steel Pipe Sections, Flanged Both Ends, Puddle Flange 300mm from Flange (40 bar and 25 bar Flange)	80%	
101.	Non-Standard Galvanised Steel Pipe Sections, Flanged One End, Puddle Flange 300mm from Flange (40 bar and 25 bar Flange)	80%	
102.	Non-Standard Galvanised Steel Pipe Sections, Flanged Both Ends, Puddle Flange 300mm from Flange (40 bar and 10 bar Flange)	80%	
103.	Non-Standard Galvanised Steel Pipe Sections, Flanged One End, Puddle Flange 300mm from Flange (40 bar and 10 bar Flange)	80%	
104.	Non-Standard Galvanised Steel Pipe Sections, Flanged Both Ends, Puddle Flange 350mm from Flange (40 bar and 10 bar Flange)	80%	
105.	Non-Standard Galvanised Steel Pipe Sections, Flanged One End, Puddle Flange 350mm from Flange (40 bar and 25 bar Flange)	80%	
106.	Non-Standard Galvanised Steel Pipe Sections, Flanged Both Ends, Puddle Flange 500mm from Flange (40 bar and 25 bar Flange)	80%	
107.	Non-Standard Galvanised Steel Pipe Sections, Flanged One End, Puddle Flange 500mm from Flange (40 bar and 25 bar Flange)	80%	
108.	Galvanised Steel Reducers – Flanged Both Ends	80%	
109.	Galvanised Steel Ranger Coupler, Flanged Both Ends	80%	
110.	Galvanised Steel Ranger Coupler, Flanged One End	80%	
111.	Galvanised Steel 45 degrees Bends Flanged Both Ends	80%	
112.	Galvanised Steel Tee Piece 100 mm diameter Flanged	80%	
113.	Galvanised Steel Tee Piece 200 mm diameter Flanged	80%	
114.	Galvanised Steel Tee Piece 250 mm diameter Flanged	80%	
115.	Galvanised Steel Tee Piece 300 mm diameter Flanged	80%	
116.	Galvanised Steel Tee Piece 350 mm diameter Flanged	80%	
117.	Galvanised Steel Tee Piece 400 mm diameter Flanged	80%	
118.	Galvanised Steel Tee Piece 450 mm diameter Flanged	80%	
119.	Galvanised Steel Tee Piece 500 mm diameter Flanged	80%	

Manufacturing Process of Steel Conveyance Pipe	Size	Physical Properties	% Local Content	Bidder's score
Spiral submerged arc welding	500mm-3500mm	Bare	100%	
Spiral submerged arc welding	500mm-3500mm	Lined and coated	80%	
Spiral submerged arc welding	500mm-3500mm	Galvanized	85%	

As indicated above, it has been distinguished between (a) bare, (b) galvanized and (c) lined and coated large bore spiral submerged arc welded steel conveyance pipe.

- (a) **Bare:** The bare large bore spiral submerged arc welded steel conveyance pipe as is implied by the name, has not been lined, coated or galvanized. It is thus more prone to corrosion (rusting) and abrasion (inside) of the pipe as well as cathodic erosion (outside) of the pipe of direct current (DC) underground. The stipulated local content percentage (100%) is premised on the following key cost drivers incurred in the manufacture of the pipes:

Bare (100% Local Content)

Cost breakdown	% of steel finished product
Steel Coil Cost	78%
Loss of steel	8%
Conversion cost	14%

- (b) **Lined and coated:** Bare steel pipes can be lined (inside) and coated (outside) by applying protective coatings in the form of paints to protect them from corrosion. This pipe is typically used to convey water. The stipulated local content percentage (80%) is premised on the following key cost drivers incurred in the manufacture of the pipes:

Cost breakdown	% of steel finished product
Steel Coil Cost	58%
Loss of steel	8%
Conversion cost	14%
Lining and Coating	20%
TOTAL	100%

- (c) **Galvanized:** Galvanized large bore spiral submerged arc welded steel conveyance pipe is where the bare pipe is dipped in a hot zinc bath and both inside and outside surfaces are coated with zinc to avoid corrosion. Zinc coating, which makes up 15% of the cost is not manufactured locally and is imported. The stipulated local content percentage (85%) is premised on the following key cost drivers incurred in the manufacture of the pipes:

Cost breakdown	% of steel finished product
Steel Coil Cost	63%
Loss of steel	8%
Conversion cost	14%
Hot Zinc	15%
TOTAL	100%

4. Does any portion of the services, works or goods offered have any imported content?

(Tick applicable box)

YES		NO	
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- 4.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

5. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO.DWS 04-1117 WTE

ISSUED BY: (Procurement Authority / Name of Institution): DEPARTMENT OF WATER AND SANITATION

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thdti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder
entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

Local Content Declaration - Summary Schedule

Tender No.	
Tender description:	
Designated product(s)	
Tender Authority:	
Tendering Entity name:	
Tender Exchange Rate:	
Specified local content %	EU

1

Note: VAT to be excluded from all calculations

[illegible][illegible]

Date: _____

	(C20) Total tender value	(C21) Total Exempt imported content	(C22) Total Tender value net of exempt imported content	(C23) Total	(C24)	(C25) Average local

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

(D1)	Tender No.	
(D2)	Tender description:	
(D3)	Designated Products:	
(D4)	Tender Authority:	
(D5)	Tendering Entity name:	
(D6)	Tender Exchange Rate:	Pula

Note: VAT to be excluded from all calculations

EU R 9,00

GBP	R 12.00
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A. Exempted imported content

Exempted imported content				Calculation of imported content						Summary	
Tender/Item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Exempted Imported value
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)	(D17)	(D18)
(D19) Total exempt imported value											

(D19) Total exempt imported value

This total must, compare with
Annex L - (2)

B. Imported directly by the Tenderer

[illegible]

(032) Total imported value by tenderer

C. Imported by a 3rd party and supplied to the Tenderer

[illegible]

(D45) Total imported value by 3rd party

D. Other foreign currency payments

[illegible]

Signature of tenderer from Annex B

(D52) Total of foreign currency payments declared by tenderer and/or 3rd party

(D33) Total of imported content & foreign currency payments - (D32), (D45) & (D21) shown

This total must correspond with Annex C C.23

Date: _____

Annex E

Local Content Declaration - Supporting Schedule to Annex C

(E1)	Tender No.	
(E2)	Tender description:	
(E3)	Designated products:	
(E4)	Tender Authority:	
(E5)	Tendering Entity name:	

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of Items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			

(E10)	Manpower costs	(Tenderer's manpower cost)	
(E11)	Factory overheads	(Rental, depreciation & amortisation, utility costs, consumables etc.)	
(E12)	Administration overheads and mark-up	(Marketing, insurance, financing, interest etc.)	

(E13) Total local content

This total must correspond with Annex C - C24

Signature of tenderer from Annex B

Date: _____

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- 4 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied). The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		

4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		

SBD 8

CERTIFICATION

**I, THE UNDERSIGNED (FULL NAME).....
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION
FORM IS TRUE AND CORRECT.**

**I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT,
ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION
PROVE TO BE FALSE.**

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

Js365bW

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf

of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder

6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....

Signature

Date

.....

Position

Name of Bidder

Js914w 2

DEPARTMENT OF WATER AND SANITATION

INSTRUCTIONS TO BIDDERS: PURCHASES

1. The standard bidding forms should not be retyped or redrafted but photocopies may be prepared and used. Additional offers may be made of any item but only on a photocopy of the page in question or on other forms obtainable from the Head of Procurement: Department of Water and Sanitation, Private Bag X313, Pretoria, 0001, Attention: Supply Chain Management Office. Additional offers made in any other manner may be disregarded.
2. Should standard bid forms not be filled in by means of mechanical devices, for example typewriters, ink, preferably black, must be used to fill in bids.
3. Bidders shall check the numbers of the pages and satisfy themselves that none are missing or duplicated. No liability shall be accepted in regard to claims arising from the fact that pages are missing or duplicated.
4. Where items are specified in detail, the specifications form an integral part of the bid document and bidders shall indicate in the space provided whether the items offered are to specification or not.
5. In respect of the paragraphs where the items offered are strictly to specification, bidders shall insert the words "as specified".
6. In cases where the items are not to specification, the deviations from the specifications shall be indicated.
7. The bid prices shall be given in the units shown.
8. With the exception of basic prices, where required, all prices shall be quoted in South African currency.
9. Delivery basis:
 - (a) Supplies which are held in stock or are in transit or on order from South African manufacturers at the date of bid, shall be offered on a basis of delivery into consignee's store or on his site within the free delivery area of the bidder's centre, or carriage paid consignee's station if the goods are required elsewhere.
 - (b) Notwithstanding the provisions of paragraph 9(a), bid prices for supplies in respect of which installation/erection/assembly is a requirement, shall include ALL costs on a basis of delivered on site as specified.
10. Unless specifically provided for in the bid document, no bids transmitted by telegram, telex, facsimile, e-mail or similar apparatus shall be considered.

ANNEXURE 7

11. Bids received after the closing date and time are late and will as a rule not be accepted for consideration.
12. Bids will be opened in public, that is, bidders or their representatives may be present. If requested by any bidder, the names of bidders and if practical the total amount of each bid and of any alternative bids, will be read aloud.
13. The period for which offers are to remain valid and binding is indicated in the bid documents and is calculated from the closing date on the understanding that offers are to remain in force and binding until the close of business on the last day of the period calculated and if this day falls on a Saturday, Sunday or public holiday, the bid is to remain valid and binding until the close of business on the following working day.
14. These conditions (Annexure 7) form part of the bid and failure to comply therewith may invalidate a bid.
15. Bidders are requested to promote local content optimally. Bidders who use locally manufactured components, products, equipment and systems, may claim preferences as set out in the Preference Points Claim Form, if attached.
16. After public opening of bids, information relating to the examination, clarification and evaluation of bids and recommendations concerning awards will not be disclosed to bidders or other persons not officially concerned with the process, until the successful bidder is notified of the award. The bid documentation of bidders is considered to be confidential and will under no circumstances be made available to other bidders or other persons.
17. If you are a supplier but not the actual manufacturer and will be sourcing the product(s) from another company, a letter from that company(ies)/supplier(s) confirming firm supply arrangement(s) in this regard, has to accompany your bid and failure to submit the document may invalidate your bid.
- 17.1 The said company/supplier must confirm that it has familiarised itself with the item description, specifications and bid conditions and if the bid consist of more than one item it should be clearly indicated in respect of which item(s) the supportive letter has been issued.
18. The financial standing of bidders and their ability to manufacture or to supply goods or to render a service may be examined before their bids are considered for acceptance.
19. The Department may, where a bid relates to more than one item, accept such bid in respect of any specific item or items and also accept part of the specified quantity of any specific item or items.
20. The Department is not obliged to accept any bid. The evaluation of a bid will be done in accordance with the Preferential Procurement Policy Framework Act, 2000 (Act no. 5 of 2000) and its regulations.

ANNEXURE 7

21. After approval of the bid, both parties must sign a written contract. The Contract Form must be filled in duplicate by both the successful bidder and the purchaser. Both Contract Forms must be signed in the original so that the successful bidder and the purchaser would be in possession of originally signed contracts for their respective records.
- 21.1 Failure of the successful bidder to sign the Contract Form in ink may result in the invalidation of their bid.

Special Conditions of Bid: Purchases

July 2004

GOVERNMENT PROCUREMENT GENERAL CONDITIONS OF CONTRACT July 2010

NOTES

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and**
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.**

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract will form part of all bid Documents and may not be amended.
- Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

TABLE OF CLAUSES

- 1 Definitions
- 2 Application
- 3 General
- 4 Standards
- 5 Use of contract documents and information; inspection
- 6 Patent rights
- 7 Performance security
- 8 Inspections, tests and analysis
- 9 Packing
- 10 Delivery and documents
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- 22 Penalties
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- 25 Force Majeure
- 26 Termination for insolvency
- 27 Settlement of disputes
- 28 Limitation of liability
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- 30 Applicable law
- 31 Notices
- 32 Taxes and duties
- 33 National Industrial Participation Programme (NIPP)
- 34 Prohibition of restrictive practices

General Conditions of Contract

1 Definitions

- 1 The following terms shall be interpreted as indicated:
 - 1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
 - 1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - 1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
 - 1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
 - 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
 - 1.6 "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 1.7 "Day" means calendar day.
 - 1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
 - 1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.
 - 1.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
 - 1.11 "Dumping" occurs when a private enterprise abroad markets its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
 - 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
 - 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.

- 1.14 "GCC" means the General Conditions of Contract.
- 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 "Project site," where applicable, means the place indicated in bidding documents.
- 1.21 "Purchaser" means the organization purchasing the goods.
- 1.22 "Republic" means the Republic of South Africa.
- 1.23 "SCC" means the Special Conditions of Contract.
- 1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.25 "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

2 Application

- 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3 General

- 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za

- | | |
|---|--|
| 4 Standards | 4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications. |
| 5 Use of contract documents and information; inspection. | <p>5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.</p> <p>5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.</p> <p>5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.</p> <p>5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.</p> |
| 6 Patent rights | 6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser. |
| 7 Performance security | <p>7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.</p> <p>7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.</p> <p>7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:</p> <p style="margin-left: 40px;">(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or</p> <p style="margin-left: 40px;">(b) a cashier's or certified cheque</p> <p>7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.</p> |

8 Inspections, tests and analyses

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9 Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

- 10 Delivery and documents**
- 10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 10.2 Documents to be submitted by the supplier are specified in SCC.
- 11 Insurance**
- 11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.
- 12 Transportation**
- 12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.
- 13 Incidental services**
- 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
 - (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
 - (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
- 13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.
- 14 Spare parts**
- 14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:
- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
 - (b) in the event of termination of production of the spare parts:
 - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15 Warranty

- 15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16 Payment

- 16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
- 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.
- 16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4 Payment will be made in Rand unless otherwise stipulated in SCC.

17 Prices

- 17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.

18 Contract amendments

- 18.1 No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.

19 Assignment

- 19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

- 20 Subcontracts**
- 20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.
- 21 Delays in the supplier's performance**
- 21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
- 21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause
- 21.2 without the application of penalties.
- 21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.
- 22 Penalties**
- 22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23 Termination for default

- 23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
 - (b) if the Supplier fails to perform any other obligation(s) under the contract; or
 - (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.
- 23.5 Any restriction imposed on any person by the Accounting Officer/ Authority will, at the discretion of the Accounting Officer/Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Officer/Authority actively associated.
- 23.6 These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.
- 23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

- 24 Anti-dumping and countervailing duties and rights**
- 24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.
- 25 Force Majeure**
- 25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.
- 26 Termination for insolvency**
- 26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.
- 27 Settlement of Disputes**
- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

- 27.5 Notwithstanding any reference to mediation and/or court proceedings herein,
- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
 - (b) the purchaser shall pay the supplier any monies due the supplier.
- 28 Limitation of liability**
- 28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
- (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
 - (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
- 29 Governing language**
- 29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
- 30 Applicable law**
- 30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
- 31 Notices**
- 31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice
- 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
- 32 Taxes and duties**
- 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.

- | | |
|--|--|
| <p>33 National Industrial Participation (NIP) Programme</p> | <p>33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.</p> |
| <p>34 Prohibition of Restrictive practices</p> | <p>34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is/are or a contractor(s) was/were involved in collusive bidding (or bid rigging).</p> <p>34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has/have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.</p> <p>34.3 Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and/or terminate the contract in whole or part, and/or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and/or claim damages from the bidder(s) or contractor(s) concerned.</p> |

Js General Conditions of Contract (revised July 2010)

Should the Tenderer desire to make any departures from or modification to the Specification, Annexures, or Drawings or to qualify his Tender in any way, he shall set out his proposals clearly hereunder or alternatively state them in a covering letter attached to his Tender and refer to each departure hereunder, failing which the Tender will be deemed to be unqualified.

[illegible]

COMPANY NAME: _____

DATE: _____

The Bidder shall, in the schedule hereunder, list all work of a similar nature to that contained in this Contract which has been carried out by him during the past five years and/or which is at present being carried out by him.

[illegible]

NAME OF BIDDER: _____ COMPANY NAME: _____

SIGNATURE OF BIDDER: _____ DATE: _____

IMPORTANT NOTE:

FAILURE BY THE BIDDER TO LIST PREVIOUS SIMILAR WORK DONE, THE BID SHALL BE REGARDED AS NON-RESPONSIVE

SCHEDULE OF PROPOSED SUB-CONTRACTORS

In accordance with the General Conditions of Contract the Bidder shall state hereunder the names of sub-contractors he proposes to employ for the execution of certain sections of the Works.

[illegible]

IMPORTANT NOTE: Refer to SBD 2: Tax Clearance Certificate Requirements, paragraph 4: In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate. (Failure to comply with this requirement will render your bid non-responsive)

DID YOU ATTACH ORIGINAL AND VALID TAX CLEARANCE CERTIFICATES OF ALL SUB-CONTRACTORS AS LISTED ABOVE?

YES ☐ NO ☐

FAILURE BY THE BIDDER TO ATTACH LISTED SUB-CONTRACTORS' ORIGINAL AND VALID TAX CLEARANCE CERTIFICATES, THE BID SHALL BE REGARDED AS NON-RESPONSIVE

DID YOU ATTACH CERTIFIED COPIES OF VALID B-BEE CERTIFICATES OF ALL SUB-CONTRACTORS' AS LISTED ABOVE?

YES ☐ **NO** ☐

FAILURE BY THE BIDDER TO ATTACH LISTED SUB-CONTRACTORS' CERTIFIED COPIES OF VALID B-BEE CERTIFICATES OR IN CASE OF EMEs A SWORN AFFIDAVIT OBTAINABLE FROM THE DEPARTMENT OF TRADE AND INDUSTRY, THE BID SHALL BE REGARDED AS NON-RESPONSIVE

NAME OF BIDDER: _____

COMPANY NAME: _____

SIGNATURE OF BIDDER: _____

DATE: _____

The bidder shall state hereunder the qualifications and experience of each key project team members whom he proposes to employ in the execution of all or main sections of the works.

[illegible]

DATE _____

FORM OF OFFER AND ACCEPTANCE

OFFER

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

THREE YEAR TERM CONTRACT FOR MECHANICAL AND ELECTRICAL ASSET MANAGEMENT SUPPORT OF MAJOR PLANT AND MACHINERY FOR NORTHERN, CENTRAL, EASTERN AND SOUTHERN OPERATIONS (LIMPOPO, MPUMALANGA, NORTH-WEST, GAUTENG, FREE STATE, NORTHERN CAPE, KWA-ZULU NATAL, EASTERN CAPE AND WESTERN CAPE).

The Bidder, identified in the offer signature block, has examined the documents listed in the Bid Data and addenda thereto as listed in the Bid forms and schedules, and by submitting this offer has accepted the Conditions of Bid.

By the representative of the Bidder, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Bidder offers to perform all of the obligations and liabilities of the Contractor under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

The offered total of the prices inclusive of Value Added Tax is

.....
.....Rand (in words); R(in figures)

This offer may be accepted by the Employer by signing the acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Bidder before the end of the period of validity stated in the Bid Data, whereupon the Bidder becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

Signature(s)

Name(s)

Capacity

for the Bidder

(Name and address of organisation)

Name & signature of witnesses:

Date:

Witness 1

Witness 2

ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Bidder's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Bidder's offer shall form an agreement, between the Employer and the Bidder upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract, are contained in

- Part 1 Instructions to Bidders
- Part 2 SBD Forms
- Part 3 Conditions and Special Conditions of Contract
- Part 4 Conditions of contract
- Part 5 Technical Specification and Requirements
- Part 6 Bid Requirements
- Part 7 Bid Evaluation Criteria

and documents or parts thereof, which may be incorporated by reference into Sections 1 to 4.

Deviations from and amendments to the documents listed in the Bid Data and any addenda thereto listed in the Bid schedules as well as any changes to the terms of the offer agreed by the Bidder and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Bidder shall within two weeks after receiving a completed copy of this Agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the, Conditions of Contract identified in the Contract Data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Bidder receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the Bidder (now Contractor) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this agreement shall constitute a binding contract between the parties.

Signature(s)

Name(s)

Capacity

for the Employer

(Name and address of organisation)

Name & signature of witnesses:

Date:

Witness 1

Witness 2

SCHEDULE OF DEVIATIONS

Notes :

1. The extent of deviations from the Bid documents issued by the Employer prior to the Bid closing date is limited to those permitted in terms of the Conditions of Bid;
2. A Bidder's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid become the subject of agreements reached during the process of, offer and acceptance, the outcome of such agreement shall be recorded here;
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the Bid documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here;
4. Any change or addition to the Bid documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1. **Subject**

Details

2. **Subject**

Details

3. **Subject**

Details

4. **Subject**

Details

By the duly authorised representatives signing this Agreement, the Employer and the Bidder agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Bid Data and addenda thereto as listed in the Bid schedules, as well as any confirmation, clarification or change to the terms of the offer agreed by the Bidder and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the Bid documents and the receipt by the Bidder of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

FOR THE EMPLOYER

Signature(s) _____

Name(s) _____

Capacity _____

for the Employer _____

(Name and address of organisation)

Name & signature of witnesses:

Date:

Witness 1 _____

Witness 2 _____

FOR THE BIDDER:

Signature(s) _____

Name(s) _____

Capacity _____

for the Bidder _____

(Name and address of organisation)

Name & signature of witnesses:

Date:

Witness 1 _____

Witness 2 _____

END OF SECTION

PERFORMANCE GUARANTEE

BID DWS 04-1117 WTE

WHEREAS..... (hereinafter referred to as 'the Employer') entered
into, on the day of a Contract with
..... (hereinafter called "the Contractor") for the
construction of
at

AND WHEREAS it is provided by such Contract that the Contractor shall provide the Employer with security by way of
suretyship for the due and faithful fulfillment of such Contract by the Contractor;

AND WHEREAS
has / have at the request of the Contractor, agreed to give such security;

NOW THEREFORE WE,
do hereby guarantee and bind ourselves jointly and severally as Sureties and Co-principal Debtors to the Employer
under renunciation of the benefits of division and excussion for the due and faithful performance by the Contractor of all
the terms and conditions of the said Contract, subject to the following conditions:

1. The Employer shall, without reference and / or notice to us, have complete liberty of action to act in any manner
authorized and / or contemplated by the terms of the said Contract, and / or to agree to any modifications,
variations, alterations, directions or extensions of the Due Completion Date of the Works under the said Contract,
and that its rights under this guarantee shall in no way be prejudiced nor our liability hereunder be affected by
reason of any steps which the Employer may take under such Contract, or of any modification, variation, alterations
of the Due Completion Date which the Employer may make, give, concede or agree to under the said Contract.
2. The Employer shall be entitled, without reference to us, to release any securities held by it, and to give time to or
compound or make any other arrangement with the Contractor.
3. This guarantee shall remain in full force and effect until the issue of the Certificate of Completion in terms of the
Contract, unless we are advised in writing by the Employer before the issue of the said Certificate of his intention to
institute claims, and the particulars thereof, in which event this guarantee shall remain in full force and effect until all
such claims have been paid or liquidated.
4. Our total liability hereunder shall not exceed the sum of
..... (R.....)
5. We hereby choose domicilium citandi et executandi for all purposes arising hereof at

IN WITNESS WHEREOF this guarantee has been executed by us at
on this day of 20

As witnesses:

Signature:

Duly authorized to sign on behalf of

1.

Address

2.

CONTRACT DATA

GENERAL CONDITIONS OF CONTRACT

The General Conditions of Contract for Construction Works, 3rd Edition (2015), published by the South African Institution of Civil Engineering, is applicable to this Contract.

The General Conditions of Contract are not bound into this document, but are available at the Contractor's expense from the Secretary of the South African Institution of Civil Engineering, Private Bag X200, Halfway House, Midrand, 1685 or www.saice.org.za.

CONTRACT DATA

In terms of clause 1.1.1.8 of the General Conditions of Contract for Construction Works, 3rd Edition (2015), the following Contract Data apply to this Contract.

The Contract Data consists of two parts. Part 1 contains information provided by the Employer, while Part 2 contains information to be provided by the Contractor.

Part 1: Data Provided by the Employer

Clause	Contract Data
1.1.1.5	Replace the contents of Clause 1.1.1.5 with the following: The "Commencement Date" means the date on which the Contractor receives a written instruction from the Employer to commence with the Works. The instruction to commence with the works will not be issued later than 28 days from the date that the Agreement made in terms of the Form of Offer and Acceptance comes into effect.
1.1.1.13	Add the following to the end of this definition: The Defects Liability Period is 12 months.
1.1.1.14	Add the following to the end of this definition: This clause shall apply <i>mutatis mutandis</i> to any portion or phase of the Works that may be described in the Scope of Works or in the Contract Data, or agreed subsequently between the Contractor and the Employer, and committed to writing.
1.1.1.15	The Employer is The Minister of Water and Sanitation acting on behalf of the Government of the Republic of South Africa.
1.1.1.16	The Employer's Agent also referred as the Engineer means any Director, Associate or Professional Engineer or Engineering Professional appointed generally or specifically by DWS to fulfil the functions of the Employer's Agent in terms of the Conditions of Contract.
1.1.1.26	The pricing strategy is Re-measurement Contract.
1.2.1	Add the following to the clause:

Clause	Contract Data
	<p>1.2.1.3 Sent by facsimile, electronic or any like communication irrespective of it being during office hours or otherwise.</p> <p>1.2.1.4 Posted to the Contractor's address, and delivered by the postal authorities.</p> <p>1.2.1.5 Delivered by a courier service, and signed for by the recipient or his representative.</p>
1.2.1.2	<p>The address of the Employer is:</p> <p style="padding-left: 40px;">Sedibeng Building 185 Francis Baard Street Pretoria 0001</p> <p>The address and telephone number of the Engineer is:</p> <p style="padding-left: 40px;">P Munka Sedibeng Building 185 Francis Baard Street Pretoria 0001 Tel: 012 336 7629 Fax: 012 323 2791</p>
1.3.6	<p>Replace the contents of Clause 1.3.6 with the following:</p> <p>The copyright in all documents, drawings and records (prepared by the Engineer) related in any manner to the Works shall vest in the Employer or the Engineer or both (according to the dictates of the Contract that has been entered into by the Engineer and the Employer for the Works), and the Contractor shall not furnish any information in connection with the Works to any person or organisation without the prior approval of the Employer to this effect.</p>
3.2.3	<p>The Engineer is, in terms of his appointment by the Employer for the design and administration of the Works included in the Contract, required to obtain the specific approval of the Employer for the execution of the following duties:</p> <p>3.2.3.1 The issuing of an order to suspend the progress of the Works, the extra cost resulting from which order is to be borne by the Employer in terms of Clause 5.11 or the effect of which is liable to give rise to a claim by the Contractor for an extension of time under Clause 5.12 of these conditions.</p> <p>3.2.3.2 The issuing of an instruction or order to vary the nature or quantity of the Works in terms of Clause 6.3, the estimated effect of which will be to increase the Contract Price by an amount exceeding R200 000, the valuation of all variation orders in terms of Clause 6.4 and the adjustment of the sum(s) tendered for General Items in terms of Clause 6.11.</p> <p>3.2.3.3 The approval of any claim submitted by the Contractor in terms of Clause 10.1.</p>

Clause	Contract Data
4.1.2	<p>Add the following to the clause:</p> <p>The Contractor shall provide the following to the Engineer for retention by the Employer or his assignee in respect of all works designed by the Contractor:</p> <p>4.1.2.1 a Certificate of Stability of the Works signed by a registered Professional Engineer confirming that all such works have been designed in accordance with the appropriate codes of practice.</p> <p>4.1.2.2 proof of registration and of adequate and current professional indemnity insurance cover held by the designer(s).</p> <p>4.1.2.3 design calculations should the Engineer request a copy thereof.</p> <p>4.1.2.4 engineering drawings and workshop details (both signed by the relevant professional engineer), in order to allow the Engineer to compare the design with the specified requirements and to record any comments he may have with respect thereto.</p> <p>4.1.2.5 "As-Built" drawings in DXF electronic format after completion of the Works.</p> <p>The Contractor shall be responsible for the design of the Temporary Works.</p>
4.3.3	<p>Add the following new clause:</p> <p>The Contractor shall comply with the Occupational Health and Safety Specification prepared by the Employer in terms of the Construction Regulations, 2003 promulgated in terms of Section 43 of the Occupational Health and Safety Act (Act No. 85 of 1993).</p> <p>Without limiting the Contractor's obligations in terms of the Contract, the Contractor shall before commencement of the Works or any part thereof, be in the possession of an approved Health and Safety Plan.</p> <p>The Contractor shall submit an approved Health and Safety Plan to the Employer's Agent / Engineer within 14 days from the date that the Departmental Purchase Order has been issued.</p>
4.3.4	<p>Add the following new clause:</p> <p>Contractor's liability as mandatory</p> <p>Notwithstanding any actions which the Employer may take, the Contractor accepts sole liability for due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures imposed by the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and all its regulations, including the Construction Regulations, 2003, for which he is liable as mandatory. By entering into this Contract it shall be deemed that the parties have agreed in writing to the above provisions in terms of Section 37 (2) of the Act.</p>

Clause	Contract Data
4.3.5	<p>Add the following new clause:</p> <p>Contractor to notify Employer</p> <p>The Employer retains an interest in all inquiries conducted under this Contract in terms of Section 31 and/or 32 of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and its Regulations following any incident involving the Contractor and/or Sub-Contractor and/or their employees. The Contractor shall notify the Employer in writing of all investigations, complaints or criminal charges which may arise pursuant to work performed under this Contract in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and Regulations.</p>
4.3.6	<p>Add the following new clause:</p> <p>Contractor's Designer</p> <p>The Contractor and his designer shall accept full responsibility and liability to comply with the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and the Construction Regulations, 2003 for the design of the Temporary Works and those part of the Permanent Works which the Contractor is responsible to design in terms of the Contract.</p>
4.10.3	<p>Add the following new clause:</p> <p>The Contractor shall use local labour in accordance with the requirements contained within the Bid Document.</p>
5.3.1	<p>Add the following:</p> <p>The documentation required before commencement with Works Execution are:</p> <ul style="list-style-type: none"> • Health and Safety Plan (Refer to Clause 4.3) • Initial Programme (Refer to Clause 5.6) • A detailed cashflow forecast (Refer to Clause 5.6.2.6) • Security (Refer to Clause 6.2) • Insurance (Refer to Clause 8.6)
5.3.2	<p>Add the following:</p> <p>The time to submit the documentation required (Refer to Clause 5.3.1) before commencement with Works execution is 14 days.</p>
5.4.2	<p>The access and possession of Site shall not be exclusive to the Contractor but as set out in the site information.</p>
5.6.1	<p>Add the following to the clause:</p> <p>In this regard the Contractor shall have regard for the phases and sub-phases (if applicable) for the Scheme or Development, which shall also be the order in which the Permanent Works shall be constructed, unless otherwise agreed between the</p>

Clause	Contract Data
	<p>parties and committed to writing. If phased construction is applicable, the phases and sub-phases will be described in the Specifications and/or will be indicated on the Phasing Plan which forms part of the Drawings.</p>
5.8.1	<p>The non-working days are Sundays.</p> <p>Special non-working days shall be 16 December to 6 January (both days included) plus South African Statutory Public Holidays.</p>
5.12.5	<p>Add the following new clause:</p> <p>Extension of time due to Abnormal Rainfall</p> <p>Extension of time for completion of the Contract shall be allowed in the event of abnormal rainfall in accordance with the following formula:</p> $V = (N_w - N_n) + (R_w - R_n)/20$ <p><i>Where:</i></p> <p>1.1.1.1.1.1.1.1.1 V = <i>Extension of time in calendar days for the calendar month under consideration</i></p> <p>N_w = Actual number of days during the calendar month under consideration on which a rainfall of 10mm and more is recorded</p> <p>R_w = Actual total rainfall in mm recorded during the calendar month under consideration</p> <p>N_n = Average number of days, derived from rainfall records, on which a rainfall of 10mm and more was recorded during the relevant calendar month as per the data tabulated hereinafter</p> <p>R_n = Average total rainfall in mm for the relevant calendar month, derived from rainfall records, as tabulated hereinafter</p> <p>Where the extension of time due to abnormal rainfall has to be calculated for portion of a calendar month, pro rata values shall be used. Should V be negative for any particular month, and should its absolute value exceed the corresponding value of N_n, then V shall be taken as being equal to minus N_n. The total extension of time to be granted shall be the algebraic sum of all the monthly extensions, provided that if this total is negative then the time for completion shall not be reduced due to subnormal rainfall.</p> <p>Rainfall records for the period of construction shall be taken on Site. The Contractor shall provide and install all the necessary equipment for accurately measuring the rainfall. The Contractor shall also provide, erect and maintain a security fence plus gate, padlock and keys at each measuring station, all at his own cost. The Engineer or his Representative shall take and record the daily rainfall readings. The Contractor shall be permitted to attend these readings, in the company of the Engineer's Representative. Access to the measuring gauge(s) shall at all times be</p>

Clause	Contract Data																																										
	<p>under the Engineer's control.</p> <p>The rainfall records applicable to this Contract are those recorded at a suitable rainfall station near the site. The following values of N_n and R_n shall apply:</p> <table><tr><th>Month</th><th>R_n (mm)</th><th>N_n (days)</th></tr><tr><td>January</td><td>101.5</td><td>2.4</td></tr><tr><td>February</td><td>209</td><td>3.8</td></tr><tr><td>March</td><td>123.6</td><td>3.8</td></tr><tr><td>April</td><td>49.1</td><td>1.3</td></tr><tr><td>May</td><td>7.2</td><td>0.3</td></tr><tr><td>June</td><td>12.6</td><td>0.3</td></tr><tr><td>July</td><td>11.0</td><td>0.3</td></tr><tr><td>August</td><td>5.2</td><td>0</td></tr><tr><td>September</td><td>16.7</td><td>0.3</td></tr><tr><td>October</td><td>48.5</td><td>1.3</td></tr><tr><td>November</td><td>89.9</td><td>2.5</td></tr><tr><td>December</td><td>123.2</td><td>3.2</td></tr><tr><td>Total</td><td>797.5</td><td></td></tr></table>	Month	R_n (mm)	N_n (days)	January	101.5	2.4	February	209	3.8	March	123.6	3.8	April	49.1	1.3	May	7.2	0.3	June	12.6	0.3	July	11.0	0.3	August	5.2	0	September	16.7	0.3	October	48.5	1.3	November	89.9	2.5	December	123.2	3.2	Total	797.5	
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5.13.1	The penalty for failing to complete the Works is 1/14 % of the Contract Price per day.																																										
5.13.3	<p>Add the following new Clause.</p> <p>The imposition of penalties in terms of Clause 5.13.1 shall not relieve the Contractor from his obligation to complete the works, nor from any of his obligations and liabilities under the Contract.</p>																																										
6.2.1	<p>Add the following to this Clause:</p> <p>The amount of the Security shall be 10% of the Contract Price (including Value Added Tax) at the time that the Agreement comes into effect. The Security shall remain valid until the issue of the Certificate or Certificates of Completion in respect of the whole of the Permanent Works. The Pro Forma Form of Performance Guarantee bound into the General Conditions of Contract is replaced by the Performance Guarantee (Security) appended to the Contract Data.</p> <p>The Performance Guarantee shall be issued by a bank registered in terms of the Banks Act, 1965 (Act no. 23 of 1965) or from an insurer registered in terms of the Insurance Act, 1943 (Act no. 27 of 1943) and approved by the Employer and having an office or banking facility in the Republic of South Africa. The Performance Guarantee shall be subject to approval by the Employer and shall be in the form prescribed in the Bid documents.</p>																																										

Clause	Contract Data
6.8.2	<p>The value of the certificates issued shall be adjusted in accordance with the Contract Price Adjustment Schedule with the following values:</p> <p>The value of "x" is 0.15 the portion, expressed as a decimal of unity, not subject to adjustment.</p> <p>The values of the coefficients are:</p> <p>a = 0.25 Labour</p> <p>b = 0.25 Contractor's equipment (Plant)</p> <p>c = 0.4 Material</p> <p>d = 0.1 Fuel</p> <p>"L" is the "Labour Index" and shall be the "Consumer Price Index" for Limpopo (all urban areas) and as published in the Statistical News Release, P0141, Table 13 provided in the additional tables (previously P0141.1 Table 7.1) of Statistics South Africa.</p> <p>"P" is the "Plant Index" and shall be the "Civil Engineering Plan Index" as published in the Statistical News Release P0142.1, Table 12 (previously P0142.1 Table 16) of Statistics South Africa.</p> <p>"M" is the "Materials Index" and shall be the "Civil Engineering Materials Index" as published in the Statistical News Release P0142.1, Table 11 (previously P0142.1 Table 15) of Statistics South Africa.</p> <p>"F" is the "Fuel Index" and shall be the "Diesel at wholesale level – Witwatersrand Index" as published in the Statistical News Release P0142.1, Table 12 (previously P0142.1 Table 16) of Statistics South Africa.</p> <p>The base month is the month prior to the latest date for submission of the tender.</p>
6.8.3	Price Adjustments for variations in the cost of special materials is allowed. The Contractor will be required to provide full details in Part 2 of the Contract Data.
6.8.4	Delete the words "between the Employer and the Contractor".
6.10.1.5	The percentage advance on materials not yet built into the Permanent Works is 80%.
6.10.3	Where applicable the percentage retention will be indicated by the Employer's Agent / Engineer with no limit of retention money.
6.11.1.3	Delete "15 %" and replace it with "25 %".
8.6.1.3	Where applicable the limit of indemnity for liability insurance is R10 000 000 per event, the number of events being unlimited.
10.5.3	The number of Adjudication Board Members to be appointed is 3 (three).

Part 2: Data provided by the Contractor (Bidder)

Clause	Contract Data		
1.1.1.9	The name of the Contractor is: _____ _____		
1.2.1.2	The address of the Contractor is: _____ _____		
6.2.1	The security to be provided by the Contractor shall be a Performance Guarantee of 10% of the Contract Sum (Incl. VAT):		
6.5.1.2.3	_____ per cent on the gross remuneration of the workmen and foremen actually engaged _____ per cent on net cost of materials actually used		
6.8.3	The variation in cost of special materials is:		
	Special Material	Method	Price for Base Month

END OF SECTION

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

The Employer and the Contractor hereby agree, in terms of the provisions of Section 37(2) of the Occupational Health and Safety, Act No. 85 of 1993, hereinafter referred to as 'the Act', that the Contractor as an employer in its own right and in its capacity as contractor for the execution of the works, shall have certain obligations and that the following arrangements shall apply between them to ensure compliance by the Contractor with the provisions of the Act, namely:-

- i) The Contractor undertakes to acquaint the appropriate officials and the employees of the Contractor with all relevant provisions of the Act, and the regulations promulgated in terms of the Act, and
- ii) The Contractor undertake that all relevant duties, obligations and prohibitions imposed in terms of the Act and regulations will be fully complied with, and
- iii) The Contractor hereby accepts sole liability for such due compliance with the relevant duties, obligations and prohibitions imposed by the Act and regulations and expressly absolves the Employer and the Employer's consulting engineers from being obliged to comply with any of the aforesaid duties, obligations and prohibitions.
- iv) The Contractor shall be obliged to report forthwith to the Employer any investigation, complaint, or criminal charge which may arise as a consequence of the provisions of the Act and regulations pursuant to work performed on behalf of the Employer, and shall, on written demand, provide full details in writing of such investigation, complaint or criminal charge.

SINGED at On this day of 20.....

For and on behalf of the Contractor: Name: _____

Company Name: _____

AS WITNESSES:

1. _____

2. _____

for and on behalf of the Employer:

AS WITNESSES:

1. _____

2. _____



PART 3

BID DWS 04-1117 WTE

CONDITIONS AND SPECIAL CONDITIONS OF CONTRACT

**MECHANICAL AND OTHER RELATED MAJOR PLANT AND
MACHINERY INSTALLATION, MAINTENANCE, REPAIR,
REFURBISHMENT AND UPGRADE FOR NORTHERN,
CENTRAL, EASTERN AND SOUTHERN OPERATIONS
(Limpopo, Mpumalanga, North-West, Gauteng, Free State,
Northern Cape, Kwa-Zulu Natal & Western Cape)**



DEPARTMENT OF WATER AND SANITATION
DIRECTORATE: STRATEGIC ASSET MANAGEMENT

REPUBLIC OF SOUTH AFRICA

CONDITIONS OF CONTRACT

DEPARTMENT OF WATER AND SANITATION

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.

The Government Procurement General Conditions of Contract, shall apply, unless otherwise stipulated under these Conditions of Contract and the Special Conditions of Contract.

These documents are available for inspection at the offices of the Department of WATER AND SANITATION in Pretoria.

The only variations from these General Conditions of Contract shall be as given in the following Special Conditions of Contract and appendix to Special Conditions of Contract. For ease of reference, both the General Conditions of Contract and the Special Conditions of Contract have been included in the following index.

Note: for "Department or Minister of Environment Affairs" or "Department or Minister of WATER AND SANITATION, and Environmental Conservation" read:

DEPARTMENT OF WATER AND SANITATION"

and

CABINET MINISTER WHO HOLDS THE PORTFOLIO OF WATER AND SANITATION"

for "Factories, Machinery and Building Work Act (Act 22 of 1941)"

read: "Occupational Health and Safety Act (Act 85 of 1993)"

for "Factories Act"

read: Safety Act"



**MECHANICAL AND OTHER RELATED MAJOR PLANT AND MACHINERY
INSTALLATION, MAINTENANCE, REPAIR, REFURBISHMENT AND UPGRADE FOR
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**REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF WATER AND SANITATION**

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REPUBLIC OF SOUTH AFRICA

SPECIAL CONDITIONS OF CONTRACT

DEPARTMENT OF WATER AND SANITATION

(To be read in conjunction with GENERAL CONDITIONS OF CONTRACT)

Clause

1.(1)(c)	"Engineer" means the Director-General, Department of WATER AND SANITATION or any other Engineer appointed from time to time by the Employer and notified in writing to the Contractor to act as Engineer for the purposes of the Contract in place of the Engineer designated.	"Engineer"
4.(3)	The Bidder shall state in Annexure 3 the names of any Subcontractor he proposes to appoint and shall state the section of the Works to be sublet. No change to these proposals shall be allowed without the written permission of the Engineer.	Subletting
6.(2)	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 by the Bidder as a condition of bid, the bid will be rendered invalid and will not be considered.	Alterations, amendments or variations
6.(3)	The Contract shall be construed, operated and interpreted in English only.	Ruling language
6.(4)	The Contractor shall treat the details of this Contract as private and confidential (save insofar as may be necessary for the purposes hereof) and shall not publish or disclose any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Employer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of this Contract it shall be referred to the Employer whose decision shall be final and conclusive.	Details of Contract confidential
10.(1)	A Performance Bond shall be provided if required.	Performance bond
14.(4)	The Contractor shall provide the Engineer, within the period stated in the Appendix to the Form of Bid, with manufacturing and inspection programmes showing the proposed progress of the entire equipment through the works. The date by which it is estimated to commence assembly at each Manufacturer's works, testing, delivery and erection on Site, is to be specifically stated.	Programme of works
	The Engineer is to be notified in writing by the Contractor of any alteration to the proposed programme as soon as such alteration is known.	
25.(2)(a)	The plant supplied and the erection of equipment under this Specification shall satisfy the requirements of the Occupational Health and Safety Act (Act 85 of 1993), hereinafter referred to as the "Safety Act" or any amendment thereof, also such regulations as may be framed thereunder at any time up to and including the date of installation of the plant. The plant shall also comply with any other government	Government regulations



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regulations controlling the installation and operation of the entire equipment covered by this specification.

- | | | |
|-----------|--|--|
| 25.(2)(b) | All rotating or moving parts shall be adequately guarded. | |
| 25.(2)(c) | If any additional work is ordered by a government inspector to make the plant supplied comply with the regulations referred to above, the Contractor shall forthwith supply such work free of charge. | |
| 33.(1)(c) | Save by mutual agreement in writing the Contractor shall, for the duration of the Contract, be debarred from employing or offering employment incidental to any duties under the Contract to any person in the employ of the Employer or the Engineer and similarly the Employer and the Engineer shall for the duration of the Contract be debarred from employing or offering employment incidental to any duties under the Contract to any person in the employ of the Contractor. | Enticement
of staff |
| 33.(1)(d) | The Contractor shall so far as may be consistent with his obligations under the Contract employ persons resident in the Republic of South Africa, and shall give effect to the policy requirements of the Government of the Republic of South Africa in regard to the employment of such labour as may be more fully set out in the Constitutional Development and Planning regulations. | Employees |
| 33.(1)(e) | The Contractor shall not employ unskilled labour originating from outside the boundaries of the Republic of South Africa without written authority of the Department of Constitutional Development and Planning. | Foreign
employees |
| 35.(5)(a) | The Contractor shall give the Engineer not less than two weeks notice in writing of any plant or material being ready for testing, and the Engineer will attend such tests as he deems necessary at the Contractor's works. The Contractor shall submit to the Engineer certified copies in triplicate of all results obtained from such tests. | Notice of tests |
| 35.(5)(b) | Each component of the equipment included in this Contract shall be subjected to inspection by the Engineer or his Representative at the Manufacturer's, Subcontractor's and/or other outside Supplier's works during manufacture. The Engineer shall be fully informed regarding progress, and provided with all the facilities necessary to enable the various components to be properly inspected and/or tested. The Engineer reserves the right to reject any item that has not been presented for such inspection and/or test. | Inspection
and
testing during
manufacture |
| 35.(5)(c) | Any inspection, examination or test at each Manufacturer's works, either of material, equipment or performance, shall not exempt the Contractor from any obligation under the Contract. The liability of the Contractor for defective material or workmanship that may be disclosed after the plant has been put into service shall be in accordance with the Conditions of Contract notwithstanding that the defective item may have been passed previously during manufacture. | Validity of
inspections
and tests |
| 35.(5)(d) | The acceptance, or otherwise, of the work shall depend on the results of the performance tests on Site and the reliability of the Contractor's plant. | Acceptance
Tests |



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- 35.(5)(e) Certificates of all tests on materials and components are to be forwarded to the Engineer on completion of the tests. Test certificates
- 41.(4) The Contractor shall not exhibit or permit to be exhibited any advertisement on the Works, Site, constructional plant or temporary Works. All notices on Site shall be subject to the approval of the Engineer before erection and shall be immediately removed if the Engineer so requires. The Contractor shall not use the name of this, or any other Project related to the Department of WATER AND SANITATION, or any illustration of the scheme or personnel therein for advertisement purposes without the prior written authority of the Employer, which will not be unreasonably withheld. Advertisement prohibited
- 43.(2) Notwithstanding the provisions of Clause 43.(1) and in amplification thereof, the time or date fixed by the Contract for the completion of the Works, or any portion thereof, shall be extended only if the delays in completion are in consequence of:
- (a) Fire or accident in the Manufacturer's premises or on Site not occasioned by negligence on the part of the Contractor or his employees or agents;
 - (b) War, riot or civil commotion;
 - (c) Strike, lock-out or any industrial action of workmen usually employed by the Contractor, or strike, lock-out or any industrial action of workmen usually employed by firms manufacturing or preparing materials for the Contract Works, or any other strike, lock-out or industrial action of workmen which may interfere with the commencement or progress of the Contract Works;
 - (d) Alterations, amendments, additions, omissions or variations by the Engineer in terms of clause 51 hereof.
- The Contractor shall immediately upon occurrence of such supposed cause of delay give the Engineer written notice thereof and thereupon the Engineer shall in consultation with the Employer extend the date of completion.
- The Contractor shall not be entitled to any such extension of the dates of completion unless he has intimated his intention to ask for such extension prior to commencement of extra or additional work in terms of clause 51, or within one month after the occurrence of any cause of delay mentioned in this clause.
- The Contractor shall have no claim against the Engineer in respect of delay and disorganisation of work arising from the said occurrences nor shall such extension affect or prejudice the Employer's rights against the Contractor or release the Contractor of any of his obligations under the Contract.
- 46.(1) This clause shall be held to be deleted and replaced by the following:
- 46.(1) If the Contractor shall fail to complete the Works by the time prescribed by clause 42 hereof or extended time granted in terms of clause 43 hereof then the Employer shall have the right, in his sole discretion, either to deduct as a penalty from the total contract sum an amount, unless otherwise stated under these Special Conditions of Contract, of one half of one per cent per week of the contract sum (including Saturdays, Sundays and public holidays) for the period which shall elapse between the date prescribed by clause 42 hereof or later date as the case may be Penalty for delay



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and the date of completion of the Works or any portion thereof, or to claim any damages or loss suffered in lieu of such penalty. The Employer shall be entitled to use any method of recovery of the aforesaid penalty should he so wish. The payment or deduction of such penalty, loss or damage shall not relieve the Contractor from his obligations and liabilities under the Contract.

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|-----------|---|---|
| 46.(3) | <p>The completion of the Works in the overall time stipulated by the Contract shall not suffice to satisfy the requirement regarding timeous completion. The essential programmed stages including submission of foundation drawings, manufacture and delivery of parts to be built in and the provision of any information, drawings or equipment necessary for the ordering of parts, design or complementary equipment or structures, the delivery of the pumping sets and ancillary equipment shall each be observed by due date. The Bidder is required to fill in the table in the Appendix to Form of Bid with the dates he is prepared to guarantee.</p> <p>Failure to meet these guaranteed dates shall entitle the Engineer to withhold payments to which the Contractor might otherwise become entitled under clause 62(2) and/or apply the penalty set out in Clause 46(1) of the special conditions of Contract.</p> | <p>Penalty for progress delays</p> |
| 47.(3) | <p>The term "Certificate of Completion of Works" shall be held to be deleted and replaced with the term "Certificate of Commissioning" which will be issued in the same manner as the aforesaid "Certificate of Completion"</p> | <p>Certificate of Commissioning</p> |
| 50.(3) | <p>It is accepted that certain spare parts for the equipment to be supplied under the Contract will be held by the Employer and the Bidder is required to fill in the relevant Schedule giving the complete list of spares which are specified therein and in addition thereto any spares which he considers should be ordered.</p> <p>The Employer reserves the right to order either the whole or any quantity of the spares offered. Any spares ordered shall be submitted to the Engineer's Representative for examination and checking for interchangeability etc. Spares supplied under this Contract are to be packed and delivered in cases separate from the rest of the equipment, cases containing spares shall be clearly and indelibly marked "SPARES".</p> | <p>Certain spare parts included in the Contract</p> |
| 50.(4) | <p>In the case of parts which are required to be regularly replaced during the lifetime of the plant or equipment, the Employer requires that certain minimum facilities be available in the Republic of South Africa for the supply of these parts. Bidders shall state in their covering letter what facilities will be provided for the supply of these parts. The information shall include the name and address of depots where the parts will be held.</p> | <p>Availability of regular replacements</p> |
| 50.(5) | <p>The Employer requires certain minimum facilities to be available in the Republic of South Africa for the repair of any breakdowns which may occur in any portion of the plant or equipment to be supplied under the Contract. Bidders shall state in their covering letter details of the facilities and service they could provide. In the light of the above, the Employer expects adequate services to be forthcoming throughout the life of the plant or equipment supplied.</p> | <p>Repair and overhaul</p> |
| 62.(1)(d) | <p>No financial assistance will be provided to the Contractor for the acquisition of plant, machinery or equipment.</p> | <p>Statements</p> |



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62.(2) Clause 62.(2) shall be held to be deleted and replaced by the following:

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| 62.(2) | When in terms of the conditions set out below, the Contractor considers himself to be entitled to payment of any of the amounts stated in his Bid, he shall submit to the Engineer a statement detailing the amount(s) claimed for payment. Payment which may be claimed only in respect of a complete item appearing in the Price Schedules for complete plant or the Spare Parts Schedule will be made in South African currency in Pretoria by the Employer on the certificate of the Engineer, in accordance with the following provisions: | Payments |
| 62.(2)(a) | In respect of items which have to be manufactured outside the Republic of South Africa and imported and delivered to Site: | Items
manufactured
outside
Republic |

80% of the amount bidden for the equipment and for the cost of delivery to Site, provided the materials or plant have been delivered to Site in good order and condition acceptable to the Engineer;

90% of the amount bidden for the equipment, delivery and erection, less previous payments as erection proceeds, at the stage when the equipment is shown to be ready for commissioning;

90 % of the amount bidden for the supply and delivery of spares providing such checking and testing as is required by the Engineer has been satisfactorily completed;

10% of the amount bidden will be regarded as Retention Money and paid as described under clause 62(3).

- | | | |
|-----------|---|-----------------------------------|
| 62.(2)(b) | In respect of items that are partly or wholly manufactured in the Republic of South Africa: | Items manufactured
in Republic |
|-----------|---|-----------------------------------|

Such instalments as determined by the Engineer having regard to the progress of the manufacture up to 70% of the total amount bidden for the equipment subject to the security provision detailed under sub clause 62(2)c of this clause;

Up to 80% of the amount bidden for the equipment and for the cost of delivery to Site, less previous payments, provided the materials or plant have been delivered to Site in good order and condition acceptable to the



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Engineer;

90% of the amount bidden for the equipment, delivery and erection, less previous payments as erection proceeds, at the stage when the equipment is shown to be ready for commissioning;

90 % of the amount bidden for the supply and delivery of spares providing such checking and testing as is required by the Engineer is satisfactorily completed;

10% of the amount bidden will be regarded as Retention Money and paid as described under clause 62.(3).

62.(2)(c)	Before any payments under sub clause 62.(2)(b)(i) of this clause are made, the Contractor shall provide a Manufacture Payment Bond on the form provided equal to the total amount of the payments to be made to the Contractor. The total value of such security, provided by the Contractor to the Employer, may be varied by the Contractor, with the consent of the Employer, from time to time provided that the Employer will be covered at all times to the total amount paid by the Employer to the Contractor for items not yet in possession of the Employer.	Security against part payment
62.(2)(d)	The Employer shall have the right to recoup any money due to him by the Contractor for any cause whatsoever, irrespective of whether such claim is liquidated or not, before making any payment to the Contractor under this clause and no money shall accrue to or become due and payable to the Contractor in terms of this Contract until such other claims have been paid in full.	Recoupment of money due
62.(2)(e)	No sum paid on account by the Employer shall affect or prejudice his rights against the Contractor or relieve the Contractor of any of his obligations for the due fulfilment of the Contract and the acceptance by the Contractor of any such sum shall not affect or prejudice the rights of the Contractor against the Employer.	Obligations unaffected by payments
62.(2)(f)	No more than one application for payment shall be made per financial month. The Contractor shall submit his invoice together with a detailed schedule after approval by the Engineer. The Contractor may invoice only for such money to which he is entitled in terms of the Contract.	Detailed schedule
71.(1)	Clause 71(1) shall be held to be deleted and to be replaced by the following:	Variation of price
71.(1)(a)	Bids in which prices are stated to be subject to adjustment in the event of variation in cost of material and labour are acceptable. Firm prices will receive preference.	Price adjustments -Firm prices
71.(1)(b)	The rates and prices bidden in the Price Schedules shall be final and binding throughout the period of the Contract except as otherwise provided for in the	Bided prices binding



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Contract.

- | | | |
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| 71.(2) | Documentary evidence to the satisfaction of the Employer of any changes which occur shall be submitted by the Contractor together with proof of the effect such changes have upon the Contract Price. | Documentary evidence |
| 71.(3) | If during the period of The Contract any alterations of customs or excise duty are brought into force, the contract prices of supplies delivered duty paid, affected by such alterations, shall be adjusted accordingly in respect of all supplies and all raw material used in the production of such supplies under the Contract, released from bond or imported into the Republic as from the date fixed for the taking effect of the said alterations. | Adjustment of prices due to changes in customs and excise duty |
| 71.(4) | If during the period of the Contract any alterations of railage, freight or port rates or marine insurance where specified, affecting supplies delivered "railage/freight paid" by the Contractor, are brought into force, the Contract Prices affected by such alterations shall be adjusted accordingly in respect of all supplies and all raw materials used in the production of such supplies, railed or shipped as from the date fixed for the taking effect of the said alterations and in respect of which the Contractor shall have paid or received the benefit of the difference in such rates. | Adjustment of prices due to changes in railage, freight or port rates |
| 71.(5) | Where the bided prices are liable to be affected by variations in rates of exchange – including devaluation of currencies - the Bidder shall state in his Bid the amount, and foreign currency which is to be paid or remitted overseas and the rate of exchange and the date of fixing the rate of exchange, applied in the conversion of this amount into South African currency. | Adjustment in prices due to variation in rates of exchange |
- The amount of the foreign currency to be paid to overseas suppliers shall be clearly given in SCHEDULE OF IMPORTING CHARGES.
- Provided this information is furnished in the Bid and the Contract is completed within the period of the Contract, the State will accept for its account in respect of the amount involved, any variations between the rate of exchange stated in the Bid and the rate of exchange ruling at the time of payment. The following conditions will apply:
- | | |
|-----------|--|
| 71.(5)(a) | Where payment is to be made overseas by the Republic's overseas representative the amount in the foreign currency stipulated will be paid; and |
| 71.(5)(b) | Where payment is to be made in the Republic to the Contractor and he is required to remit the amount stated overseas: |
- The Contract amount in the currency of the Republic will be paid to the Contractor and the amount to be remitted overseas shall be so remitted by the Contractor within 7 working days after he receives payment.
- Any increase in price occasioned by any variation in the rate of exchange will be for the State's account on production by the Contractor of documentary proof in substantiation of the transaction.



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Should there be any further changes in the rate of exchange from the date of invoice to the date of receipt of payment, the Contractor shall, on the date he remits his payment overseas, advise the Department of such further changes and forthwith (within 1 day) submit his further invoice.

The Contractor shall furnish documentary proof in respect of any transaction covered by sub-paragraph (b)(i) of this clause to establish that the amount concerned has actually been remitted and the rate of exchange at which this was done.

In the event of a rise in the value of the currency of the Republic, the Contractor shall reimburse the State within a period of 7 working days from date of remittance of funds to overseas supplier.

In respect of sub-paragraph (b)(i) of this clause, if the Contractor is required to remit the whole or portion of the amount overseas prior to receiving payment from the State and he indicates this in his Bid, the date of such remittance will be deemed to be the date in respect of which the adjustment under sub-paragraphs (ii) and (v) of this clause are to be effected.

71.(6)	As sole compensation for all variations in the cost of labour and materials from any causes whatsoever subsequent to the date of bidding, Price Adjustment Factors shall be calculated for each item or part item and applied as set out hereunder:	Price adjustment
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71.(6)(a)	The Price Adjustment Factors shall be calculated in accordance with the following formula:	Formula
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$$f = (1-x) \left(a_1 \frac{L_{1t}}{L_{1o}} + a_2 \frac{L_{2t}}{L_{2o}} + \text{etc.} + b_1 \frac{M_{1t}}{M_{1o}} + b_2 \frac{M_{2t}}{M_{2o}} + \text{etc.} - 1 \right)$$

where:

"f" is the factor by which the amount subject to a particular price adjustment in a particular monthly statement shall be multiplied in order to give the actual price adjustment for that amount.
only a set proportion of each amount shall be subject to price adjustment.
"x" shall represent the proportion which shall be excluded.

"t" and "o" shall represent suffixes related to time.
"a1", "a2", etc. and "b1", "b2", etc. shall be co-efficients deemed, irrespective of the actual constituents of the work, to represent the proportions of specific or general labour category costs and specific or general material category costs respectively included in the price bided. The arithmetic sum of "a1", "a2", etc. plus "b1", "b2", etc. shall be unity.
"L1", "L2", etc. shall be the Labour Cost indices corresponding to the co-efficients "a1", "a2", etc.
"M1", "M2", etc. shall be the Material Cost Indices corresponding to the co-efficients "b1", "b2", etc.

71.(6)(b)	When substituting for the indices with the suffix "o" the indices used shall be those ruling for the month during which Bids closed	Application of price adjustment
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When substituting for the labour indices with the suffix "t" the indices used shall be the averages of the relevant monthly indices during which the work of manufacture or erection as relevant of a particular item in the Price Schedules should have been done according to the Programme of Works.

When substituting for the material indices with the suffix "t" the indices used shall be the indices ruling for the month during which the work of manufacture or erection as relevant of a particular item in the Price Schedules should have commenced according to the Programme of Works.

All payments will be made at the prices bided. Claims for price adjustment shall only apply in respect of amounts relating to work that has already been certified for payment and shall accompany the relevant monthly statement following the publication of all the relevant indices.

In calculating the amount subject to price adjustment, the prices bided less all non-labour and non-material constituents shall be used.

Should any financial adjustments be made in respect of an amount paid, a corresponding adjustment shall be made to the price adjustment. The price adjustment shall also be revised should any relevant index be revised. The price adjustment shall be subject to retention.

Retention money will be withheld until all claims for price adjustment have been received. Claims not received within 120 days of the date on which release of the first half of the retention money would otherwise have become due in terms of clause 62(3)(a), shall be deemed to have been waived by the Contractor.

Retention
money

71.(6)(c) The value of "x" shall be as stated in the Appendix to these Special Conditions of Contract.

Value of co-
efficients and
indices

For all locally manufactured works and for all erection the values of co-efficients and the indices to be used shall be as stated in the Appendix to these Special Conditions of Contract.

For all imported works the values of the co-efficients and the indices to be used shall be as for locally manufactured works unless an alternative acceptable to the Employer is submitted by the Bidder with his Bid.

71.(6)(d) Unless specifically agreed at the time the variation orders are issued or the new rates are fixed, variation orders or new rates fixed in terms of the Contract shall be based on labour and material costs in force at that time and shall NOT be subject to price adjustment.

Cost basis of
variation
orders or new
rates

71.(6)(e) Day work, nominated subcontracts, provisional or prime cost, and any other items based on actual costs or current prices, ordered in terms of the Contract shall NOT be subject to price adjustment.

Cost basis of
day work of
prime cost
items

71.(6)(f) Should an extension for delay be granted, the programme of works shall remain

Revisions to



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unaltered for all work that has not been directly affected by the reason for the extension. For all work that has been directly affected by the extension, the programme of works will be altered but the price adjustment will be calculated according to the original programme unless specifically otherwise authorised by the Employer.

programme of
works

- 71.(7) Statutory increases in the cost of fuel for transport will be allowed. Should the Bidder intend claiming further adjustments for transport costs, he shall state his intention to do so in his Bid. The preferred basis shall be in a similar manner to that specified above using the relevant SEIFSA transport indices.

Price
adjustment for
transport
costs

- 72.(1) Value Added Tax will be paid by the Employer to a registered Contractor at the prevailing rate at the time of invoicing. This applies for each claim for payment by the Contractor. Value Added Tax shall be shown as a separate amount on any invoice.

Value Added
Tax

The Contractor shall comply with the Legislation enacted in the Value Added Tax Act No. 89 of 1991 as a vendor to the State.

CLAUSE

- 6.(3) The ruling language shall be English.
- 10.(1) The amount of the Performance Bond shall be 10% of the order value.
- The duration of the Performance Bond shall be until 30 days after the issue of the Final Certificate.
- The Performance Bond shall be provided within 21 days of the date of order.
- 23.(1) The minimum amount of Third Party Insurance cover to be provided by the Contractor shall be R500 000,00.
- 40.(1) The Contractor shall commence the Works immediately upon receipt of the order.
- 44.(1) Special non-working days:

SCHEDULE 1

New Year's Day	1 January
Human Rights Day	21 March
Good Friday	Friday before Easter Sunday
Family Day	Monday after Easter Sunday
Freedom Day	27 April
Workers' Day	1 May
Youth Day	16 June
National Women's Day	9 August
Heritage Day	24 September
Day of Reconciliation	16 December
Christmas Day	25 December
Day of Goodwill	26 December

The days mentioned in Schedule 1 shall be public holidays, and whenever any public holiday falls on a Sunday, the following Monday shall be a public holiday.

Notwithstanding the provisions of subsection (1), any public holiday shall be exchangeable for any other day which is fixed by agreement or agreed to between an employer and employee.

- 48.(1) The Period of Maintenance shall be twenty four months.
- 52.(4) Day work:
- Percentages allowed in respect of Day work for labour and Materials as defined in the Annexure to the Price Schedule shall be:
- Labour: 50% on the net disbursement in wages.
- Materials: 15% on the net cost at Site of materials.
- 62.(2)(c) A Manufacture Payment Bond shall be provided for the full amount of any progress payment prior to such payment being made.
- 71.(6)(c) The Contract Price Adjustment shall be based on the following co-efficients and cost indices for labour and materials:
1. The value of "x" shall be 0,15 (no other value will be acceptable)
 2. For components or plant manufactured in the Republic of South Africa excluding electric motors, switchgear, transformer and cables:
 - "L" shall be SEIFSA Index of Actual Labour Cost - Table C.3. (all hourly paid employees)
 - "M" shall be the Production Price Index for Mechanical Engineering Materials - Table G, as issued by the Department of Statistics.

- "a" and "b" shall be 0,55 and 0,45 respectively;
3. For components of, or complete electric motors, switchgear and transformers manufactured in the Republic of South Africa:
- "L" shall be the SEIFSA Index of Actual Labour Cost - Table C.3. (all hourly paid Employees)
 - "M1" shall be the SEIFSA Price for Copper per Metric Ton - Table F.
 - "M2" shall be the Production Price Index for Electrical Engineering Materials - Table G, as issued by the Department of Statistics.
 - "a", "b1" and "b2" shall be 0,50; 0,10 and 0,40 respectively.
4. For cables manufactured in the Republic of South Africa:
- "L" shall be the SEIFSA Index of Actual Labour Cost - Table C.3. (all hourly paid Employees)
 - "M" shall be the SEIFSA Price for Copper per Metric Ton - Table F.
 - "a" and "b" shall be 0,55 and 0,45 respectively.
5. For erection and commissioning work on Site:
- "L" shall be the SEIFSA Index of Statutory Labour Cost - Fieldforce - Table C.3a (all hourly paid Employees).
 - "a" shall be 1,00.



Part 4

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CONDITIONS OF CONTRACT

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REFURBISHMENT AND UPGRADE FOR NORTHERN,
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(Limpopo, Mpumalanga, North-West, Gauteng, Free State,
Northern Cape, Kwa-Zulu Natal & Western Cape)**



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1. SCOPE AND CONDITIONS

- 1.1 This bid is for a three-year contract is 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, Northern, Central, Eastern & Western Operations, with the 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. The service to be provided shall be deemed to include preventative maintenance, and emergency repairs. The Contractor shall have substantial capacity and facilities to handle all the equipment listed in the Technical Specification and Requirements, Paragraph 1 Equipment Description. Subcontractors may be appointed for specialised activities, subject to the approval of the Engineer.

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.

- 1.2 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).
- 1.3 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.
- 1.4 The appointed main contractor shall subcontract to designated groups' mechanical contractors with a CIDB grading.
- 1.5 The appointed main contractor shall also subcontract to designated groups' electrical contractors with a CIDB grading.
- 1.6 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).
- 1.7 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.



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- 1.8 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. Compulsory subcontracting shall be as per paragraph 12.
- 1.9 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.
- 1.10 The bidder shall submit a list of all local manufacturers they will subcontract for items listed in "Annexure to paragraph 2 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.
- 1.11 Only locally produced goods and services with a stipulated minimum threshold for local production and content, will be considered, on condition that such prescript and threshold(s) are in accordance with the specific standards determined by the National Department of Trade and Industry (DTI) in consultation with the National Treasury.
- 1.12 The exchange rate to be used for the calculation of local content must be the exchange rate published by the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of this bid.
- 1.13 The Department reserves the right to procure any of the designated and/or non-designated group goods and/or services using another contract.
- 1.14 The Department reserves the right to add, remove or re-evaluate contractors per Operational Area depending on performance of the contractor.
- 1.15 Being appointed on this contract does not in any way constitute a right to work or site under this contract.
- 1.16 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.
- 1.17 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.
- 1.18 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
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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.

- 1.19 At most four (4) contractors will be appointed for each Operational Area. 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. A copy of the agreement with associate companies shall accompany the Bid. 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.
- 1.20 Bidders shall accept as a condition of this contract that any premises including premises of subcontractors may be inspected prior to the awarding of the contract. The contractor's premises may be evaluated as per the facilities evaluation criteria attached in Annexure to Evaluation Criteria.
- 1.21 Joint ventures may be entered into to achieve the aimed B-BBEE rating. Copies of these agreements shall accompany the Bid.
- 1.22 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.
- 1.23 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.
- 1.24 The offered service as a whole and all component parts shall be strictly in accordance with the term of the documents listed below:
- 1.24.1 The Departmental **General Conditions and Procedures.**
- 1.24.2 **"General Conditions of Contract for use in connection with Electrical and Mechanical Works".**
- 1.24.3 The Special Conditions of Contract.



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- 1.24.4 The Departmental Standard Specification.
 - 1.24.5 This Project Specification for Bid DWS 04-1117 WTE.
 - 1.24.6 The information provided in the Technical Schedules.

- 1.22 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.

Failure on the part of any Bidder to comply with the above requirement in full MAY INVALIDATE THE OFFER.

- 1.23 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.

2. PROJECT MANAGEMENT

- 2.1 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.

- 2.2 The present contact persons are:

Mechanical

or

Electrical

Mr. P. Muneka
Tel. (012) 336 7629

Mr. T. Mahlaule
Tel. (012) 336 7453

- 2.3 When awarded, all written communication in respect of this contract shall be addressed to:

CHIEF DIRECTOR: STRATEGIC ASSET MANAGEMENT
Department of Water and Sanitation
Private Bag X 313
Pretoria, 0001

Telephone Number: (012) 336 7500
Facsimile Number: (012) 323 2791

- 2.4 ALL correspondence between the Contractor and the Employer shall be copied to the Chief Director: Strategic Asset Management at the address indicated above. This includes ALL faxes, letters, claims for payment, etc.
- 2.5 The Contractor to be appointed for this Contract shall undertake to forthwith acknowledge IN WRITING the receipt of ALL correspondence from the Engineer and/or the Employer



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and shall provide suitable response within a period of fourteen (14) days. Failure of the Contractor to comply with this requirement shall be interpreted as a breach of contract.

3. GENERAL CONDITIONS

- 3.1 This Support Contract Conditions contains the general conditions and requirements with regard to contract administration, material, equipment, workmanship, installation, quality control and commissioning of the Works and should be read together with the Conditions of Bid, Conditions of Contract, Special Condition of Contract and the Technical Specification.
- 3.2 Should any conflict arise between the requirements embodied in Part 4 the Conditions of the Support Contract and the General Conditions of Contract, the relevant clauses in the General Conditions of Contract will take preference.
- 3.3 The Contractor shall be responsible for the acquisition of adequate insurance to cover all equipment temporarily in its possession, albeit in temporary storage, in transit to and from the site, etc. In addition, the Contractor shall ensure that such insurance cover will also include the transport of equipment by the Department or an appointed subcontractor, should the Contractor request the Department or an appointed subcontractor to assist with the transportation of any equipment at any time.

4. REGULATIONS AND STANDARDS

- 4.1 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.
- 4.2 NB: Notwithstanding the above list the Contractor shall comply with all Acts, regulations, By-laws etc. which shall apply to the Department's sites and entry thereto.



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- 4.3 Any conflict that may arise between any regulation of the above-mentioned documents and this specification shall forthwith be referred to the Engineer IN WRITING for his subsequent ruling, BEFORE the Contractor attempts any modification to any part of the works to comply with said regulation.
- 4.4 If any equipment or material to be used complies with a standard issued by a recognised international standards organisation, then such compliance should be stated in the bid documents (Price Schedule).
- 4.5 All equipment or material to be used in this installation shall be new and of an acceptable quality to the Engineer.

5. SAFETY CONDITIONS

- 5.1 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).
- 5.2 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.
- 5.3 The Engineer or the Engineer's Representative shall issue a work permit to the contractor after the Engineer or the Engineer's Representative is satisfied with the contractor's documentation, including the Safety File. No contractor and/or subcontractor shall commence with site activities without the Departmental work permit.
- 5.4 It is the responsibility of the Contractor and the Engineer or the Engineer's Representative to ensure that the equipment to be serviced is safe to work on.
- 5.5 It is an explicit condition of this bid that the Contractor is solely responsible for the safety of all personnel and/or subcontractors involved in the installation, maintenance, service, repair or refurbishment of equipment and that all work is carried out under acceptable supervision.
- 5.6 It is the Contractor's responsibility to ensure that all possible safety procedures are followed when working on any equipment or structure and to bring unsafe conditions to the attention of the respective Area/Scheme Manager before commencing any service or repair work whatsoever.
- 5.7 The work area must be in a safe and clean order at all times.
- 5.8 **General Machinery Regulations**
- 5.8.1 It is an expressed condition that the Contractor and his Subcontractor/s shall execute the contract under the supervision of a person appointed in accordance with the **General Machinery Regulations**.



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- 5.8.2 A certified copy of this appointment letter shall be submitted when required by the Engineer or the Engineer's Representative. Subcontractors shall also submit a certified copy of the letter of appointment of their respective competent persons when required.
- 5.8.3 The minimum requirements which the Department will consider for this "competent person" (G.M.R.1) will be as stated in subparagraph (b) of G.M.R.1 in Mechanical or Electro-technical (heavy current) Engineering field.
- 5.9 It is the contractor's responsibility to ensure that any appointed subcontractor is familiar and complies with the safety regulations.
- 5.10 The Contractor/Subcontractor shall fully complete the forms as per Annexe A, B, C, D and E.

6. BID RATES

6.1 Bidded rates

- 6.1.1 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.
- 6.1.1.1 Hourly labour costs for the different levels of skill.
 - 6.1.1.2 Overtime labour costs for the different levels of skill.
 - 6.1.1.3 Standby labour costs for the different levels of skill.
 - 6.1.1.4 Living out allowances.
 - 6.1.1.5 Accommodation
 - 6.1.1.6 Travelling costs.
 - 6.1.1.7 Transport costs (kilometre tariffs for those vehicles not given).
 - 6.1.1.8 The vehicles engine capacity use for bidding purposes shall be the same as that used during the contract.
 - 6.1.1.9 Large equipment costs.
 - 6.1.1.10 Bidders are encouraged to make use of Mobile Accommodation. The rates for Mobile accommodation submitted with the bid shall be use during the contract.
- 6.1.2 The Department shall adjudicate and award the Bid on the prices quoted under Bid Requirements Paragraphs 12 to 15.
- 6.1.3 Spare parts shall be purchased or manufactured as necessary. If spare parts must be purchased, spare parts shall only be acquired on written authority from the Department's responsible engineer.
- 6.1.4 Spare parts, materials, goods, services, large equipment hire and other general costs not made up by the bidded rates may be charged on a *maximum* of a cost plus 10 % basis with the approval of the Engineer. This supersedes Clause 52. (4) of the **Appendix to Special Conditions of Contract** of this document and clause 3.2. The Engineer reserves the right to accept or decline handling or mark-up fee for any general costs claimed by the Contractor.



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6.1.5 The handling fee in 6.1.4 will be calculated as follows:

- a 10 % mark-up shall apply

The mark-up will be calculated on the total amount for the sub-contractors, spare parts and materials for the project.

The handling fee in 6.1.4 may be increased if proof of additional expenditure is given.

6.2 The Contractor shall only commence with work once an official order is received, Quality Control Plans (QCPs), design drawings (where applicable) have been approved, Safety File (Accepted by the DWS Safety Officer / Engineering Staff) and a Departmental work permit has been issued. In the case of an emergency the work can be done on a letter of intent. Official orders may only be issued once a written approval from the Engineer was obtained.

7. PAYMENT

7.1 Invoices may be submitted for payment following the successful and agreed completion of the work with a copy for certification to the following address:

Respective Director's Office who placed the order
Or
The Office as agreed upon

7.2 Claims for payment shall be based ONLY on the **Service Report Record**, which form part of this document and detailed in Bid Requirements, Price Schedules, or any amplification of the PRICE SCHEDULES as submitted at the time of bidding or as approved in terms of a written VARIATION ORDER.

7.3 All invoices for payment shall clearly state the following:

- (a) This Contract number.
- (b) The Contractor's quotation number. (where applicable)
- (c) Government order number and office of issue.
- (d) Scheme and Organisation for which its service has been provided.
- (e) Scope of work performed.
- (f) Date of commissioning.

7.4 the following must be stated in all invoices:

- (a) Hourly labour costs for the different levels of skill.
- (b) Overtime labour costs for the different levels of skill.
- (c) Standby labour costs for the different levels of skill.
- (d) Living out allowances.
- (e) Travelling costs.
- (f) Transport costs (kilometre tariffs).



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- (g) Large equipment costs (hourly rates).
- (h) Material costs.
- (i) General costs (e.g. consumable, special products, etc.).

7.5 Each invoice shall be submitted complete with the following supporting documents:

- All delivery notes (complete with all equipment serial/model numbers), duly signed by the Employer or his designated representative, for all equipment delivered to site.
- All supporting documentation i.e. invoices of suppliers or Subcontractors.
- Duly signed commissioning certificate.
- Service reports.
- Certified log sheets of officials.
- Certified time sheets of personnel employed on the project.

7.6 Part payments shall not be considered unless agreed upon in writing by the Department of Water and Sanitation. General partial invoicing is not acceptable. Requests for partial invoicing and part payment will only be considered on an individual basis and must be duly covered by the material or equipment delivered to site or by services rendered by suppliers.

7.7 No final payments will be made if all updated Operating Manuals and/or drawings have not been submitted.

8. TESTING AND COMMISSIONING

8.1 Comprehensive Quality programmes with appropriate hold points shall be drawn up and agreed with the end user. These agreed quality plans must accompany the work acceptance letter and the engineer reserves the right to add hold points for his/her attention. Since the programme is at that stage not fixed, the engineer must be informed at least 5 working days before the actual hold points set by him/her is reached. These quality plans shall be strictly adhered to during refurbishment or manufacturing.

8.2 All equipment refurbished, upgraded or repaired in terms of the requirements of this contract shall be set up at the Contractor's or Subcontractor's works for thorough inspection and testing by the Engineer BEFORE being transferred to site. All work performed in the scope of this Contract shall be reported upon in the form of acceptable reports/test certificates etc. at no extra cost.

8.3 Any faults, deviations, etc. from the specification discovered during this inspection and testing opportunity at the Contractor's works shall be fully rectified BEFORE any equipment is transported to site.

8.4 Final testing will be performed on site during commissioning of the installation.

8.5 The Contractor shall submit all test and calibration certificates received from specialist suppliers to the Engineer for his approval.

8.6 Only suitably qualified personnel may sign the Commissioning Certificate.



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9. SERVICE/TEST REPORTS

- 9.1 The Contractor shall provide a spreadsheet every two weeks containing all tasks performed under this contract. There shall be a separate list for each Operational Area. Each list shall contain various headings i.e. work Received, acceptance letter Submitted, work value, Awaiting Payment, Work In Progress, Comments, etc.
- 9.2 Service/Test reports shall be provided on all activities and tests performed at the request of the Engineer.
- 9.3 Where applicable no invoices shall be approved for payment if not accompanied by a full service report, stipulating inter alia the work performed, parts replaced, practical completion certificates, testing and commissioning certificates and any applicable comments.
- 9.4 The Department requires a daily service report for all work done either on site or in the Contractor's or any Subcontractor's workshops. Where services are performed on site, the daily report shall be signed by a site representative and a copy left on site for Departmental records. In addition to the above daily report, a comprehensive report shall be compiled after completion and submitted with invoices.
- 9.5 A copy of the daily service reports shall be available for inspection at all times during the duration of the project both on site and at workshops.
- 9.6 The service reports shall reflect the following information:
- The contract number,
 - Scheme and organisation for which services is intended,
 - Comprehensive scope of work,
 - Subcontractor's name and list of personnel on site,
 - List of personnel on site (names and manpower level)
 - Arrival and departure times,
 - Materials and spares used.
 - Kilometres travelled.

10. GUARANTEE PERIOD

- 10.1 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.
- 10.2 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.



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- 10.3 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.
- 10.4 During the guarantee period the Contractor shall rectify at its own cost any defects that are attributable to faulty material or workmanship.
- 10.5 The Department, at the discretion of the Engineer, reserves the right to hold retention money. For details on retention monies refer to **Paragraph 23: Performance Bond**.

11. SPECIALIST CONTRACTOR

Specialist Contractors may, depending on bids received be appointed for the following services:

Electrical:

Medium voltage switch gear and protection
Control and Instrumentation
Cathodic Protection
Telemetry
Electrical Security Systems

Mechanical:

Cranes
Specialist Valve and Actuator Manufacturers
Pump Manufactures

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

- 11.1 Only Specialist Contractors will be appointed under this Clause.
- 11.2 The minimum criteria for appointing / approving Specialist Contractors are as follows:
- Must be the manufacturers, certified local agents or specialist in this field.
 - The list of capabilities of the Specialist Contractor shall be submitted with the Bid. The Specialist Contractor's works shall be inspected.
- 11.3 The Specialist Contractor may be required to do the necessary repairs in coordination with the main Contractor.

12. SUB-CONTRACT WORK

- 12.1 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. This requirement shall be in line with the "Preferential Procurement Regulations, 2017".



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- 12.2 During the identification and implementation of procurement opportunities for designated groups where compulsory sub-contracting must be applied, the contractor will be required to meet the 30% minimum subcontracting requirement to EMEs or QSEs that are 51% owned by the following enterprises:
- i. Black people
 - ii. Black people who are youth
 - iii. Black people who are women
 - iv. Black people with disabilities
 - v. Black people living in rural or underdeveloped areas or townships
 - vi. Cooperatives which are 51% owned by Black people
 - vii. Black people who are military veterans
- 12.3 It is the responsibility of the contractor to select competent Subcontractors that meet the requirements of this bid.
- 12.4 The contract will be concluded between the main contractor and the Department, therefore, the main contractor and not the sub-contractor would be held liable for performance in terms of this bid's contractual obligations.
- 12.5 It is **compulsory** that contractors select sub-contractors from the CIDB (Construction Industry Development Board) database who are registered on the CSD (National Treasury: Centralized Supplier Database) for the purposes of compliance with the minimum 30% compulsory sub-contracting provisions.
- 12.6 The contractor shall submit subcontracting agreements between the main contractor and the subcontractor. Failure to submit subcontracting agreements shall render your bid non-responsive.
- 12.7 Should Subcontractors be proposed for use, details shall be submitted to the Engineer for approval.
- 12.8 Only approved Subcontractors may be used under the Contract
- 12.9 Bidders shall submit with bids the details, names and addresses of all Subcontractors whom they propose to employ for any work listed as Activities to be Performed. These will be approved/not approved by the Engineer before awarding this Contract. Payment of these Subcontractors will be the responsibility of the Contractor.
- 12.10 Should new sub-contractors be proposed for use within the scope of work described in Activities to be Performed during the course of the contract, approval by the Engineer must be obtained prior to appointment.
- 12.11 The minimum criteria before appointing / approving subcontractors are as follows:
- The Subcontractor's taxes must be in order. The Subcontractor shall submit a valid **Tax Clearance Certificate** to the Engineer. During the contract period the Contractor/ Subcontractor shall ensure that a valid **Tax Clearance Certificate** is available at all times.
 - It is an expressed condition that the subcontractor shall execute work under the supervision of a person appointed under **General Machinery Regulations**. A certified copy of this letter may be required with the request to make use of the Subcontractor.



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- A proposed list of capabilities of a Subcontractor shall be submitted for approval of such an appointment. The subcontractor's works may be inspected.
- 12.12 The Department may, at the discretion of the Engineer, nominate subcontractors and these shall be deemed to be Nominated Subcontractors. The Department shall motivate the use of Subcontractors with their maintenance work.
- 12.13 When a Nominated Subcontractor is used, the Contractor may charge a mark-up for administration and financial costs. The mark-up will be in accordance with Paragraph 6.1.5.
- 12.14 Appointing a Nominated Subcontractor shall not diminish the Contractor's responsibility to the Department. The Contractor shall be solely responsible for all work performed under this Contract.
- 12.15 The Contractor shall ensure that any Subcontractor appointed is familiar with the conditions of this contract and comply in all respects with the requirements as set out in this document.
- 12.16 The Department further reserves the right to suspend the services of a main Contractor who fails to make payments to the appointed Subcontractor / Nominated Subcontractor / designated group compulsory Subcontractor for the actual work done, provided that the work has been accepted by the Department.
- 12.17 Main contractors are discouraged from sub-contracting with their subsidiary companies as this may be interpreted as subcontracting with themselves and / or using their subsidiaries for fronting. Where primary contractor subcontracts with a subsidiary this must be declared.
- 12.18 The Department reserves the right to terminate a contract with any Contractor who fails:
- i. to comply with the minimum 30% compulsory sub-contracting provisions (where applicable).
 - ii. to make payments to their appointed and DWS approved Subcontractors for the actual work done. Payments to Subcontractors shall be made within 30 days of receiving payment from DWS.

13. CAPABILITIES OF BIDDER

The contract DWS 04-1117 WTE for the Mechanical and Other Related Major Plant and Machinery Installation, Maintenance, Repair and Refurbishment for the Operational Areas is a major contract.

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.

13.1 Administrative and Technical Personnel

The Contractor shall need suitably qualified administrative personnel to handle the administrative duties on the contract. The administrative resources of the Contractor will



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be taken into consideration during the adjudication of the contract. These overhead costs shall be included in the labour rates.

Technical personnel utilised on the contract shall be suitably qualified.

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 summarised **Curriculum Vitae** shall indicate details such as **name, age, nationality, date of nationality**, including qualifications and relevant experience. The bidder shall also submit an organogram of those individuals. Find attached an example of summarised Curriculum Vitae and a blank Curriculum Vitae form to be filled in for those individuals.

Personnel: Individuals in the permanent employment of the contractor and on 75% availability for the duration of the contract period.

The contractor shall at all time keep the list updated for his and his sub-contractor's staff.

13.2 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.

13.3 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.

13.4 Project Manager

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

13.5 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.

13.6 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.



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The Department requires the details and qualifications of personnel working for the Contractor or any subcontractor be submitted for approval before employment on any of the Departmental Projects.

14. WORKSHOP FACILITIES

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.

In areas where the main Contractor enters into a subcontracting agreement with a Contractor that has a workshop in that area, it is not compulsory for the main Contractor to have a workshop in that area.

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.
- Corrosion protection bay.
- Testing and quality control area.
- Quality control equipment for mechanical/electrical engineering and corrosion protection.

The following equipment is considered to be an example of standard workshop equipment and will thus not attract any hire costs:

- General tools i.e. sockets, open and ring spanner sets, pliers, shifting and pipe-wrenches, hammers and torque wrenches.
- Use of computer, electrical extension leads, lighting,
- Airless spray pump Electric 30 MPa
- Flogging spanners,
- Airless spray pump 45:1,
- Airless spray pump 63:1,
- QC instrumentation
- Power tools: (pneumatic or electrically driven tools)
- Drills and drill bits, pedestal drills, angle grinders, bench grinders, die grinders, power generators to power hand tools, lifting equipment.
- Lathe, milling machine, hydraulic press, blast pot/pipes/nozzles.



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- Oxy-acetylene sets (bottles, gauges and torches), Welding machine and associated equipment.
- Vacuum cleaners, extractor fan, spray gun gravity, spray pot pressurised inc. gun.

15. QUALITY CONTROL

- 15.1 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.
- 15.2 All equipment, materials used and workmanship performed shall be as required and described in terms of this Contract and the Engineer's instructions and shall be subjected to such tests conducted by such persons as the Engineer may direct from time to time. These tests may be conducted at the place of manufacture, at the Contractor's Works, on site or at any or all of the aforementioned places.
- 15.3 The Contractor shall supply such assistance, instruments, machines, labour and materials as will normally be required for the examining, measuring and testing of any work or the quality of materials used.
- 15.4 For the purpose of quality surveillance, the Engineer or his representative shall be granted access to any part of the Contractor / Subcontractor works relevant to the work being carried out, at any reasonable time. The Specification and Quality Control Plan shall be available at all times during quality surveillance.
- 15.5 Any changes to the scope of work during inspections shall be communicated to the Contractor / Subcontractor in writing. Verbal instructions / agreements are not acceptable. No changes to the scope of work with an effect on the project cost shall be accepted without the approval of the Engineer / Area Manager.
- 15.6 The cost of performing all tests as clearly intended by or provided for in this Specification shall be borne by the Contractor.
- 15.7 All individual sub-systems shall be set up at the Contractors Works for the performance of functional and operational tests, so as to prove satisfactory operation thereof as a working system. The Engineer or his designated representative shall witness these tests. Each system shall only be released for transfer to site when so authorised by the Engineer or his designated representative. UNDER NO CIRCUMSTANCES SHALL SYSTEMS BE TRANSPORTED TO SITE BEFORE THE SUCCESSFUL COMPLETION OF THE ABOVE-MENTIONED FACTORY TESTS.
- 15.8 The Engineer shall be notified in writing of the completion of all systems/subsystems for the purpose of factory tests. Such notification shall be given 14 days in advance.
- 15.9 The Department reserve the right on specialist sub-contractors tasks to relieve the contractor from his responsibility with respect to quality control obligations on specific work on nominated projects.



16. MAINTENANCE

16.1 Period of Maintenance

- 16.1.1 The minimum maintenance period, which is acceptable in terms of this Contract shall henceforth be applicable to ALL work performed under this contract, shall be 12 months. This period shall commence from the date of issue of the Commissioning Certificate.
- 16.1.2 The period of maintenance, with respect to all equipment/systems, that has been factory tested, installed and accepted by the Engineer, will commence on the date of acceptance, as signified IN WRITING by the Engineer.
- 16.1.3 In the event of the Contractor being required to rectify/repair or being in the process of rectifying/repair of defects/faults prior to or at the date when the Period of Maintenance is due to expire, the Engineer shall have the right to extend the Period of Maintenance in respect of the portion of the Works being or to be rectified/repared, until such work has been completed. The 'Period of Maintenance' shall be held to include any such extension.
- 16.1.4 The period of maintenance shall be concluded with an inspection where after a certificate of final completion shall be issued by the Engineer.

16.2 Contractors obligation during the Maintenance Period

- 16.2.1 During the period of maintenance, as described in this section, the Contractor shall maintain and keep all systems and sub-systems in a complete and operational condition, to the satisfaction of the Engineer.
- 16.2.2 The Contractor shall be required to provide the Engineer with written 3-monthly reports:
- indicating the status/condition of the various systems.
 - summarising all work performed during the preceding period.
- 16.2.3 Should any of the systems as installed cease to operate satisfactorily during the Period of Maintenance, the contractor shall be obliged to investigate and repair the fault within a period as required by the Engineers Representative at no cost to the Department. If in the opinion of the said representative, the fault is deemed to need urgent repair the Contractor holds himself available for 24 hours per day and 7 days per week.
- 16.2.4 The Department relieves the contractor from obligations in 16.2.3 that may arise from faulty work done as stipulated in 15.9.

16.3 Cost of execution of work (investigation/repair) during the Maintenance Period

- 16.3.1 All work to be carried out by the Contractor during the Period of Maintenance as described in par 16.1. shall be at his own expense if the necessity thereof shall, in the opinion of the Engineer, be due to the use of materials or defective design not in accordance with the



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Contract or due to neglect or failure on the part of the Contractor to comply with any obligation expressed in this Contract.

16.4 Materials used for repair during the Period of Maintenance

When, in the opinion of the Engineer, any material used or intended for use is not in accordance with the requirements of the Contract, he/she may order the Contractor in writing to remove any objectionable part of the material immediately and to replace it with acceptable material, without any additional cost to the Employer.

16.5 Maintenance and Servicing Facilities

16.5.1 Each Bidder shall be able to clearly demonstrate possession of adequate servicing and maintenance facilities, including a comprehensive range of spares, to the satisfaction of the Engineer.

16.5.2 To this effect, each Bidder shall include a statement in his offer, describing facilities available for servicing and maintenance, as well as the availability of adequate spares for the equipment (offered) in his bid.

16.5.3 As a further requirement, the precise physical street address and telephone number of the premises nearest to this installation, where these as stated required facilities exist, together with details regarding test equipment and personnel permanently available at this address, shall be furnished along with this statement.

16.5.4 Bidders shall accept as a condition of this contract that any premises indicated in this statement may be inspected prior to the awarding of the contract. It shall be noted that offers may be passed over where, in the opinion of the Engineer, these facilities are inadequate in terms of the foregoing requirements.

16.6 Personnel used for any work ordered during the period of maintenance shall be appropriately qualified and skilled with proven experience on the equipment and installation in question at all times.

16.7 Fault

16.7.1 All faults and problems experienced shall be reported to the Contractor by telephone, followed by written confirmation thereof via fax or via email. The Contractor shall promptly acknowledge receipt of such fault report and shall make the necessary arrangements to get the fault/problem attended to within a period of time acceptable to the Engineer's Representative.

16.7.2 The Employer shall keep a fault report book on site. The Employer's personnel shall enter all faults experienced into this book. The Contractor shall countersign next to the reported fault once the fault have been attended to and rectified, complete with time and date of repair.



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17. DOCUMENTATION

17.1 The contractor shall ensure that ALL the relevant documentation required as pertaining to ALL aspects of the equipment and systems as supplied and called for under this contract, is COMPLETE AND THOROUGH in all aspects, to enable staff to operate, understand and maintain the equipment and systems fully and to utilise the equipment to it's full potential.

17.2 All the documentation called for below, except where otherwise noted, shall be made available BEFORE- installation and commissioning of the equipment will take place. Bidders should note that NO commissioning would be considered by the Engineer until such time as these conditions are met.

17.3 The Contractor shall make provision for the following documentation to be supplied in terms of this contract:

17.3.1 A commissioning record as described below:

17.3.1.1 To this extent, the Contractor shall ensure that these manuals called for, are so prepared that in the opinion of the Engineer a competent and qualified technician can trace any fault, identify any defective component, replace it with the correct spare and follow, without any difficulty, the exact function of every component. To this end, care shall be taken to correlate the text with the circuit diagrams, to relate the diagrams with one another and to provide a simple method of diagnosis and test to be used wherever problems and faults occur.

17.3.1.2 The Contractor shall keep accurate record of all tests carried out and the results thus obtained; all meter readings taken of critical system parameters after installation of the equipment, etc. This information shall be contained in the commissioning manual, which will form the reference to which system performance will be equated during and after the maintenance period have elapsed.

17.3.2 Service manual

The relevant service manuals supplied shall contain complete equipment schematics; test and alignment procedures, all circuit diagrams, all spares and parts lists and complete troubleshooting procedures. NOTE: NO Photostatted material will be acceptable.

17.3.3 Design and layout changes

When any changes to the design or layout of any system are made during the maintenance support or refurbishment of the equipment or scheme, the changes shall be indicated in the Operation and Maintenance Manuals. These changes shall also be documented on detailed drawings. Drawings of new equipment shall be submitted to the Department.



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17.4 Documentation

17.4.1 Binding

The manuals shall be securely bound in A4 size durable, hard-backed plastic, 4 ring binders with a black finish, with clear pockets on the spine and front cover for insertion of title slips containing the contract number, etc. Complete title slip information will be supplied by the Department to the Contractor at an appropriate time. Drawings larger than A4-size shall be contained in separate pockets.

17.4.2 Layout

A master index, indicating the different sections incorporated into the manual, shall be required. Furthermore, the sections shall be divided with plastic separators, clearly and visibly marked to match the master index, complete with title page and sub-index.

- 17.4.3** A minimum 2 (two) manuals and 2 (two) electronic format (in a compact disc) must be supplied to the Area Manager or his representative with an additional manual and electronic format to be forwarded to the Directorate: Strategic Asset Management.

18. DRAWINGS

All drawings submitted to the Department shall be in accordance with the “**Standards for the preparation of Mechanical Engineering Drawings**” that can be obtained from the Directorate: Strategic Asset Management. A title block containing Departmental information in accordance with type drawing BF 1819 (obtainable from Directorate: SAM) must be included on each drawing sheet.

Standard Specification: DWS 1602 “Preparation of Mechanical and Electrical Engineering Drawings” shall be applicable. A copy of the standard specification may be obtained from the Directorate: Strategic Asset Management.

19. TRAINING

- 19.1** In order for the Department to comply with the National prescript on Skills Development, the Department reserves the right to send its own staff to be trained by the successful Bidder. On acceptance of this Bid, the successful Bidder undertakes to share resources, skills & knowledge with our staff.
- 19.2** In terms of the requirements of this contract the Contractor may be required to facilitate training from time to time.
- 19.3** Such training shall include: operation, special maintenance requirements and aspects of design, fabrication and assembly.



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-
- 19.4 Training to be provided by the Contractor shall be directly applicable to the actual equipment being installed on site. Training may be ordered to take place at the following locations:
- 19.4.1 Training at the Contractor's Works.
- 19.4.2 Training on site.
- 19.5 Training at the Contractor's Works will be provided for the Employer's technical staff only. This will entail a detailed practical workshop session, sufficiently comprehensive to enable the Employer's technical staff to locate and correct problems on site. Attention will be given to all aspects of the maintenance, servicing and fault finding procedures on all equipment supplied. The Contractor will provide all course material, including manuals. For the purpose of compliance regarding the supply of documentation as required per par. 15 (DOCUMENTATION), all manuals provided to the Employers staff will be deemed as subtractable from the total copies to be supplied, as called for above. The Workshop will be attended by a minimum of two persons appointed by the Employer.
- 19.6 First-line maintenance training on site will be provided for the Employer's site personnel, preferably during the installation period and definitely before the date of acceptance.
- 19.7 In view of the above and to allow personnel to become familiar with the equipment and installation, the Employer reserves the right to appoint certain staff to the Contractor's team during installation and commissioning phases. A maximum of two people shall be appointed in this way if considered necessary.
- 19.8 At the conclusion of the respective training periods, the Engineer will evaluate the training provided and will subsequently issue a signed statement to the Contractor, should it be found that these training sessions were adequate.

20. SPARES

A list of spares to be supplied in terms of this contract is included in the 'SCOPE OF SUPPLY'-section in the Detail Specification. The Contractor shall recommend all spares that would be required on site for emergency repairs, to prevent excessive system downtime. The unit cost of each item shall be indicated to the Engineer for consideration. Items with limited shelf life shall be indicated as such.

21. ESCALATION

The formula to be used will be that contained in clause 71(6) (a) of the Special Conditions of Contract.

Instructions on the use of indices will be those contained in Special Contract Conditions 71(6), (b) and (c) and Appendix to Special Conditions of Contract 71(6) (c) 1-5 Inc.



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The labour rates in the Bid document shall be firm for 6 (six) months where after it may be escalated in accordance with final SEIFSA indices. The indices from table C3 (a) shall be used for the calculations.

Escalation of rates may be applied for to the Engineer when the SEIFSA rates have been published.

All escalation calculations will be based on final or confirmed officially published indices and not provisional indices. Therefore, escalation calculations may only be applied a minimum of 2 months following certification for payment of progress invoices (71(6) (b) paragraphs 4) due to the timing of the SEIFSA indices publications.

Materials purchased using the "cost plus agreed mark up" method of pricing will be considered "current" and will not attract escalation adjustment.

Prices/Rates/Variations quoted for work for which no contract rates exist, shall be considered current, and quoted as such, and will not attract escalation adjustment.

Transport rates shall be updated in accordance with Bid Requirements Paragraph 8.2. No back dated adjustments of transport rates will be accepted.

22. PERFORMANCE OF CONTRACTOR

- 22.1 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.
- 22.2 If at any stage of this contract it is found that the Contractor has deviated from the requirements of this specification whether it be by the installation of equipment not specified, etc. or otherwise, without prior WRITTEN consent from the Engineer, the Engineer shall have the right to order the Contractor to remove such items, equipment, etc. constituting the deviation and to replace it with the exact item, equipment, etc. specified, without any adjustment in the quoted price.
- 22.3 Remedy for Contractor's failure to carry out work as required.
- 22.3.1 Should the Contractor fail to commence investigation/repair as required within a period of 10 days after receipt of written notice thereof, the Employer shall be entitled to have such work carried out by his own staff or by other Contractors at the Contractor's account.
- 22.3.2 If such work is work that the Contractor should have carried out at his own cost, as detailed below, the Employer shall be entitled to recover the cost thereof from the Contractor or deduct the same amount from any moneys due or that will become due to the Contractor.



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22.4 Penalties

If the Contractor fails to complete the Works in accordance with the programme provided and was accepted by placing the order or extended time granted following discussions between the contractor and the end user, then the Employer shall have the right, in his sole discretion, either to deduct as a penalty from the total contract sum an amount, unless otherwise stated under these Special Conditions of Contract, of two (2) percent per week of the contract sum (including Saturdays, Sundays and public holidays) for the period which shall elapse between the date prescribed or later date as the case may be and the date of completion of the Works or any portion thereof, or to claim any damages or loss suffered in lieu of such penalty. The Employer shall be entitled to use any method of recovery of the aforesaid penalty should he so wish. The payment or deduction of such penalty, loss or damage shall not relieve the Contractor from his obligations and liabilities under the Contract.

23. PERFORMANCE BOND

The Department requires a performance bond in the form of a Bank Guarantee on work rendered under the Contract. A Performance Bond will thus be calculated on the total expected amount of the work rendered during the first six months of the contract. The Performance Bond will remain in place up to the end of the Guarantee Period being one year after the contract has expired.

24. GENERAL GUIDELINES FOR THE CONTRACT

- 24.1 To facilitate the contractor to issue a quotation, it is important to make out a RFQ (Request for Quotation) in duplicate.
- This document must contain as much details of what is required, as possible.
 - Indicate the full scope of work, specification and intended program.
 - It must also be clearly stated what work will be done by the Department; for instance disconnecting equipment, transporting of equipment etc.
- 24.2 This RFQ document can also serve as a permit to enter and inspect the equipment to be quoted for.
- 24.3 The RFQ must be signed by the Area Manager and Cluster Manager or his appointed representative.
- 24.4 Copies of the RFQ must be sent to the Contractor and DWS Head Office. A copy must also be retained on the Area Office file.
- 24.5 The Contractor shall prepare a quotation as per the approved rates. Copies of the quotation will be forwarded to the Area Office and to the Engineer at Head Office. All



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enquiries by the Area Office and Engineer shall be addressed before an order may be placed and work may commence.

- 24.6 The allocation of work on this three year term contract may be subjected to price negotiation .
- 24.7 The Area Office will, with the written consent of the Engineer, issue an official order. No work shall commence without an official order, approved Quality Control Plan (QCP) and a DWS work permit.
- 24.8 A copy of the order must be sent to Head Office.
- 24.9 Where equipment is refurbished (i.e. pump, motor, valves etc.) quality control is essential. The technical staff of Head Office and/or Regional Office will carry out the inspections as stated in the Quality Plan as agreed on before commencement of the work.
- 24.10 The Contractor must inform the Area Manager at least a week in advance when equipment will be delivered, and when the Technical staff of the scheme will be required to do connections etc.
- 24.11 When the work is completed, the Contractor's completion certificate must be completed, signed by the Area Manager or his appointed representative and sent to the Contractor, so that they can make out the invoice for payment. A copy must also be sent to Head Office.

ANNEXE A:

DEPARTMENT SECURITY RULES AND REGULATIONS FOR CONTRACTORS

DEPARTMENT SECURITY RULES AND REGULATIONS FOR CONTRACTORS

All Contractors / Subcontractors / Companies / Persons who perform any tasks on the property of the Department of Water and Sanitation will have to complete the following documents and familiarise themselves with the contents thereof. Before you will be allowed to commence with the work the responsible officer will have to ascertain that:

- the Contractor / Subcontractor is familiar with the Occupational Health and Safety Act, Act No. 85 of 1993, as amended and will comply with the Act
- the workers have been equipped with the necessary safety equipment and
- these are in a good condition and
- the worker(s) have been briefed about the precautions
- first aid equipment is available
- person(s) on site has knowledge of basic first aid
- the Contractor/ Subcontractor is familiar with the general safety rules and regulations
- all work will be carried out under constant supervision of the Contractor
- the Contractor/ Subcontractor is registered with the Compensation Commissioner
- the Contractor/ Subcontractor abides by the lock-out systems and does a zero energy lockout with his own locks to prevent untimely activating of equipment.
- the whole works and all tools and materials will be at the sole risk of the Contractor/ Subcontractor until final completion, testing and hand-over
- hot work permits are issued where required (for welding work & all work where open flames are present) General Safety Regulations 9 (5)
- fire fighting equipment is suitable and adequate for all the jobs, wherever it is done. (supplied by the Contractor/ Subcontractor)
- respiratory equipment is used in confined areas when chemicals are used
- safety harnesses and life-lines are used where necessary
- lifting equipment have load test certificates (the owner of the equipment is responsible) Operators must have training in use of lifting gear

Contractor/ Subcontractor must abide by the security rules namely:

- Register must be completed for every visit and fire-arms must be declared
- Identification must be provided by person in control
- All goods brought onto premises must be declared and goods may only be removed accompanied by a removal document signed by the officer in control.
- Speed is limited to 40 k/h within the boundary of the Department

DEPARTMENT SECURITY RULES AND REGULATIONS FOR CONTRACTORS

I/We namely : _____

ADDRESS: _____

POSTAL CODE _____ TELEPHONE _____

being (a) the Main Contractor
(b) the Subcontractor

*Delete where not applicable

Appointed by Department of Water Affairs

1 Acknowledge having receiving a copy of the Department health, safety and security rules and regulations concerning contractors.

2 Appoint _____ ID No. _____ as
our representative and the responsible person on site for the duration of my /our work on the premises of The
Department of Water and Sanitation

3 Authorized by _____

being the "USER" as defined in the Occupational Health and Safety Act, Act 85/1993 to appoint the said
(person in 2 above)

4 N.B

(a) This appointment is to be completed by all contractors, as well as every sub-contractor appointed by the Main contractor and is to be handed to the Area Manager or the officer in control by the appointee prior to the commencement of any work on the premises of the Department of Water Affairs.

(b) Wherever a contractor work on the premises/subsidiaries of the Department of Water and Sanitation from time to time or on a
Continuing basis, this contract shall be valid for one year with the effect from date of contract.

I/We also understand and undertake to familiarise ourselves with the contents of *SECTION 37(2)* of the Occupational Health and safety act. Act 85/1993.

Signed _____

Date _____ 20 _____

CHIEF EXECUTIVE OFFICER
or 16(2) Appointee (person in control of Contract)

ANNEXE B:

**CONTRACTORS INFORMATION FOR
COMPENSATION COMMISSIONER'S PURPOSE**

CONTRACTORS INFORMATION FOR COMPENSATION COMMISSIONER'S PURPOSE

FIRM: _____

ADDRESS AND TELEPHONE NUMBER _____

3. REASON FOR BEING ON OUR PREMISES: _____

4. COMMENCING DATE OF WORK: _____

5. DATE AT COMPLETION OF WORK: _____

6. IS YOUR FIRM REGISTERED WITH THE COMPENSATION COMMISSIONER: _____

7. YOUR REGISTRATION NUMBER: _____

8. NUMBER OF STAFF ON OUR PREMISES: _____

9. SUPERVISOR'S NAME : _____

10. DID YOUR FIRM NOTIFY THE DEPARTMENT OF LABOUR OF YOUR PRESENCE AT OUR PREMISES: _____

11. PROVIDE A COPY OF THE AUTHORISATION OF THE COMPETENT PERSON ON OUR PREMISES

AND HIS TELEPHONE NUMBER AT WORK: _____

12. NAME OF THE RESPONSIBLE PERSON OF YOUR FIRM FOR LIAISON PURPOSES WITH THE DEPARTMENT OF LABOUR _____

AND HIS TELEPHONE NUMBER: _____

13. NAME LIST OF ALL STAFF MEMBERS ON OUR PREMISES: _____

ANNEXE C:
SAFETY AND SECURITY
INSTRUCTIONS FOR CONTRACTORS

SAFETY AND SECURITY INSTRUCTIONS FOR CONTRACTORS

GENERAL

- Failure to comply with the contents of this document could result in legal prosecution by the Department of Labour, Planning and/or result in unnecessary costs to the contractor.
- Contractor's Supervisors and employees will be required to comply to the OCCUPATIONAL HEALTH & SAFETY ACT and with all risk and Loss Control Standards. Health and Safety representatives as required by Section 17 of the OSH ACT will be appointed to assist the responsible person to comply with this act.
- All work carried out by contractors shall be under constant supervision.
- Contractors to inform security one day before they intend coming onto the premises at the latest 16:00.
- No contractor will be allowed on the premises if they are not registered with the COMPENSATION COMMISSIONER and Department of Labour.
- Contractors will only be allowed to enter the premises with a valid Identification.

ACCIDENT/INCIDENT'S TO WORKMEN AND PUBLIC LIABILITY

1. The contractor shall indemnify the Department of Water and Sanitation against liability for all claims, demands, costs, proceedings, charges, expenses and compensation payable by law or by Industrial Council Agreement in respect of or in consequence of any accident or injury to any workman or other persons engaged in or upon the services of the Contractor or Sub-Contractors, or any public liability or third party claim against the Department of Water and Sanitation resulting from the activities of the Contractor or Sub-Contractor.
2. The contractor shall ensure; in it's own name, against liability for all such claims, demands, costs, proceedings, charges, expenses and compensation and shall continue such insurance during the whole time that any persons are employed by it or the Contractor is on Department property.
3. Provided always that, in respect of any person/s employed by any Sub-Contractor, the contractor's obligation shall be satisfied if the Sub-Contractor shall have insured against the liability. Insurance policies and renewals required in terms of this clause shall be produced to the Department of Water and Sanitation if required.
4. All injuries/incidents suffered by the Contractor /Sub-Contractor shall be reported to the Health and Safety Co-ordinator without delay.

5. All injuries/incidents shall be investigated on the prescribed form provided by the Department of Labour within the allotted time frame.
6. The Contractor shall use its best endeavours to keep confidential and prevent disclosure of information known-how or data disclosed to the Contractor by or on behalf of the Department of Water and Sanitation in the course of or as a result of or in connection with the Contract.
7. Confidential information may be disclosed by the Contractor on a confidential basis only to employees, vendors and Sub-Contractors who require such information in the performance of their work in connection with the Contract.
8. The Contractor shall not use or permit to be used any confidential information in the performance of any work for persons other than those of the Department.

WE HEREBY AGREE TO ABIDE BY THE ABOVE RULES AND REGULATIONS.

NAME OF CONTRACTOR:

SIGNATURE OF THE CONTRACTOR OWNER:

SIGNATURE OF RESPONSIBLE PERSON:

DATE:

ANNEXE D:
CERTIFICATE OF COMPLIANCE

CERTIFICATE OF COMPLIANCE

This certificate must be completed in duplicate by the officer in control of work to be done by a contractor on the premises of the Department of Water and Sanitation.

I have checked the equipment and the ability of the Contractor in respect of the work to be performed.

I have checked:

Description	Condition	Remark
First aid Kit		
Fire Fighting		
Lifting equipment		
Respiratory equipment		
Hot work permit		
Safety Harness		
Life Lines		
Lock-out		
Ladders		
Electrical equipment		

I Have received:

Description	Yes/No	Remark
Signed indemnity form		
Names of responsible persons		
List of tools and equipment		
Certificates for lifting equipment		

I declare that the person in control has knowledge of the OSH act, is aware of the safety hazards connected to this work and that the equipment is in a serviceable condition to perform the required tasks.

	DWS	Contractor
Signed		
Position		
Place		
Date		

ANNEXE E:
COMMISSIONING AND COMPLETION CERTIFICATES



DEPARTMENT OF WATER AND SANITATION
DIRECTORATE MECHANICAL AND ELECTRICAL ENGINEERING

CONTRACT: DWS 04-1117 WTE
CERTIFICATE OF PRACTICAL COMPLETION

REGION	
SCHEME	
SITE	
CONTRACT TITLE	
DESCRIPTION OF WORKS	
CONTRACTOR	
ENGINEER	

It is hereby acknowledged that the above-named Works have been supplied in accordance with the Contract conditions and specification which allow the use of said equipment for the intended purpose, subject to agreement between the Department and the Contractor that the list of outstanding items and conditions documented hereafter will be completed by the dates indicated:

OUTSTANDING ITEM	COMPLETION DATE

DATE OF PRACTICAL COMPLETION	
------------------------------	--

It is hereby authorized that an amount NOT EXCEEDING 90 % of the contract value may now be paid.

FINANCIAL STATUS OF CONTRACT:

	ORIGINAL CONTRACT	EXTENDED CONTRACT	VARIATION ORDERS
CONTRACT VALUE			
AMOUNTS PREVIOUSLY AUTHORISED			
AMOUNT AUTHORISED BY THIS CERTIFICATE			
TOTAL % OF CONTRACT VALUE AUTHORISED TO DATE			

The Works may now be used beneficially by the Regional Director, who undertakes to operate and maintain them in Accordance with the Contractor's Operating and Maintenance Procedures and Requirements and under the Contractor's overall supervision and control.

SIGNED: PRINT NAME: DATE:
Contractor

SIGNED: PRINT NAME: DATE:
Engineer

SIGNED: PRINT NAME: DATE:
Chief Engineer

SIGNED: PRINT NAME: DATE:
Operations

FOR AND ON BEHALF OF THE DIRECTOR:

SIGNED: DATE:

APPROVAL BY DIRECTOR: (NOTE: Signature not to be delegated):

SIGNED: DATE:



DEPARTMENT OF WATER AND SANITATION WTE

CONTRACT DWS 04-1117 WTE
CERTIFICATE OF COMMISSIONING

CLUSTER	
SCHEME	
SITE	
CONTRACT TITLE	
DESCRIPTION OF WORKS	
CONTRACTOR	
PROJECT MANAGER	
PROJECT NO.	
ASSET NUMBER (FROM SAP ECC6)	

This Certificate of Commissioning is issued subject to the compliance with the outstanding items listed in the Certificate of Practical Completion (previously issued) and the conditions that apply to them, together with such prescribed tests and period of operation as set out in the Contract conditions and -specification.

IS THE LIFE INCREASED (Y/N) IF YES PROVIDE NEW LIFE	
COMPLETION AND COMMISSIONING DATE (DATE WHEN ASSET BROUGHT INTO USE)	
AMOUNT TO BE CAPITALISED (ATTACH INVOICE) VAT EXCLUSIVE	
RETENTION AMOUNT IF EXCLUDED ABOVE	

SIGNED: PRINT NAME: DATE:
PROJECT MANAGER

SIGNED: PRINT NAME: DATE:
ASSET MGT PRACTITIONER

SIGNED: PRINT NAME: DATE:
SCHEME/ AREA MANAGER

SIGNED: PRINT NAME: DATE:
FINANCE COMPLIANCE

SIGNED: PRINT NAME: DATE:
DIRECTOR CLUSTER



DEPARTMENT OF WATER AND SANITATION
DIRECTORATE MECHANICAL AND ELECTRICAL ENGINEERING

CONTRACT: DWS 04-1117 WTE
FINAL APPROVAL CERTIFICATE

REGION		
SCHEME		
SITE		
CONTRACT TITLE		
DESCRIPTION OF WORKS		
CONTRACTOR		
ENGINEER		

This certificate is issued in acknowledgement that the Works, as contained in the Contract conditions, have been completed in all respects to the satisfaction of the Engineer and that the Period of Guarantee has ended.

DATE OF PRACTICAL COMPLETION	
DATE OF COMMISSIONING	
DATE OF COMMENCEMENT OF GUARANTEE PERIOD	
DATE OF EXPIRY OF GUARANTEE PERIOD (Subject to the Conditions of Contract and out-standing items reflected on previously-issued Commissioning Certificate)	
DATE OF FINAL INSPECTION	

It is hereby authorised that the outstanding
- 5 % of the contract value may now be paid and that the Performance Bond (if any) may now be cancelled.

SIGNED: PRINT NAME: DATE:
Engineer

SIGNED: PRINT NAME: DATE:
M/E Engineering Services

FOR AND ON BEHALF OF THE REGIONAL DIRECTOR:

SIGNED: PRINT NAME: DATE:
.....

DIRECTOR: M/E ENGINEERING (Note: Signature not to be delegated)

SIGNED: DATE:

DISTRIBUTION LIST:

- ☐ Copy to Contractor ☐ Copy to SAM: DWS 04-1117 WTE
☐ Copy to Regional Director

ANNEXE F:
SAFETY FILE INDEX



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

SAFETY FILE INDEX

A.	OHS POLICY
B.	CONTACT DETAILS, EMERGENCY TELEPHONE NUMBERS & ORGANOGRAM
C.	LEGAL APPOINTMENTS
D.	TRAINING RECORDS / COMPETENCIES
E.	OHS COMMITTEE MINUTES AND ATTENDANCE REGISTERS
F.	INSPECTION RECORDS
G.	EQUIPMENT REGISTERS / MAINTENANCE AND SERVICE REPORTS
H.	RISK ASSESSMENTS AND AUDITS
I.	SAFE WORKING PROCEDURES
J.	INCIDENT REPORTS
K.	OHS POLICY, EVACUATION PLAN,ALCOHOL PROCEDURE& FIRST AID/MEDICAL PROCEDURE ETC
L.	AWARENESS RECORDS
M.	CONTRACTOR MANAGEMENT DOCUMENTS
N.	OHS QUARTELY REPORTS
O.	HCS-MSDS
P.	MEDICAL SURVEILLANCE RECORDS
Q.	EMERGENCY PREPAREDNESS AND RESPONSE
R.	ANY OTHER OHS DOCUMENTS:
S.	
T.	
U.	
V.	

ANNEXE G:
CV EXAMPLE AND CV BLANK

CURRICULUM VITAE (EXAMPLE)

Name : John Dlamini	Date of birth : 68-07-27
Profession : Area Manager	Nationality : South African
	Date Obtained : 68-07-27
Qualifications : N2 – Fitting and Turning, Mathematics, Engineering Drawing	
N3 – Mechanical Technics, Engineering Drawing, Science	
Trade Test National Diploma / Olifantsfontein – Fitter & Turner	
Name of Employer : Dlamini Engineering projects	
Current position : Area Manager	Years with Firm : 5 years
<u>Employment record</u>	
COMPANY: ABC Engineering – Water Services	
POSITION: Senior Project Supervisor	
PERIOD: 8 Years	
COMPANY: ABC Power – TMS m- Matla Power Station	
POSITION: Fitter	
PERIOD: 7 Years	
COMPANY: Alto Ada - Middelburg	
POSITION: Production Turner	
PERIOD: 4 Years	
COMPANY: Jolani Power Station	
POSITION: Apprentice Fitter & Turner	
PERIOD: 5 Years	
<u>Experience record Pertinent to Required service:</u>	
Mechanical & electrical management of Schemes	
Customer relations	
SHE management	
Risk Management & Quality control & Assessment	
Maintenance and refurbishment of pumps, valves, compressors & blowers	
Maintenance and refurbishment of Lube-oil systems, Water purification, bearings	
Refurbishment of sluice gates, stop logs, crest gates etc.	
Water transfer pipe line maintenance and repair	
Maintenance on turbines	
<u>Certification:</u>	

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

.....
Signature of person named in the Schedule

.....
Date

CURRICULUM VITAE

[illegible]

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

Signature of person named in the Schedule

Date _____



Part 5

BID DWS 04-1117 WTE

TECHNICAL SPECIFICATION AND REQUIREMENTS

**MECHANICAL AND OTHER RELATED MAJOR PLANT AND
MACHINERY INSTALLATION, MAINTENANCE, REPAIR,
REFURBISHMENT AND UPGRADE FOR NORTHERN,
CENTRAL, EASTERN AND SOUTHERN OPERATIONS
(Limpopo, Mpumalanga, North-West, Gauteng, Free State,
Northern Cape, Kwa-Zulu Natal & Western Cape)**

Department of Water and Sanitation
Directorate: Strategic Asset Management
Sub directorate: Mechanical/Electrical Engineering Services

Obtainable from: Department of Water and Sanitation
Directorate: Strategic Asset Management
Private Bag X313
Pretoria
0001

Telephone : 336 7500
Fax : 323 2791



MECHANICAL AND OTHER RELATED MAJOR PLANT AND MACHINERY
INSTALLATION, MAINTENANCE, REPAIR, REFURBISHMENT AND UPGRADE FOR
NORTHERN, CENTRAL, EASTERN AND SOUTHERN OPERATIONS
BID DWS 04-1117 WTE

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1.2 MECHANICAL EQUIPMENT	2
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2. ACTIVITIES TO BE PERFORMED:.....	3
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4. VALVES	5
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7. WORKSHOP ASSEMBLY	6
8. OVERHEAD COSTS	6
9. STANDARDS	7



**MECHANICAL AND OTHER RELATED MAJOR PLANT AND MACHINERY
INSTALLATION, MAINTENANCE, REPAIR, REFURBISHMENT AND UPGRADE FOR
NORTHERN, CENTRAL, EASTERN AND SOUTHERN OPERATIONS
BID DWS 04-1117 WTE**

1. SCOPE OF WORK

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

1.1 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.

1.2 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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1.3 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.

2. 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).

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.

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).



MECHANICAL AND OTHER RELATED MAJOR PLANT AND MACHINERY
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BID DWS 04-1117 WTE

Water flow meter and pressure/temperature transducer testing and calibration services and general instrumentation.

Mechanical, electrical and technical investigation expertise.

Mechanical manufacturing in accordance with drawings of the Department of Water and Sanitation of small as well as large structures such as sluice gates.

Reverse mechanical engineering techniques.

Oil testing and purification facilities. (Karl Fischer tests included).

Tan Delta tests on electrical motors up to 380 V, 200 kW.

Underground cable fault location.

Radio and telemetry equipment.

Instruments and computer controlled equipment

Such engineering services as the Engineer may specify from time to time.

Contractor may be required to appoint and supervise diving contractors, only when there is no DWS diving operations term contract in place.

Competence in providing the following services:

Project Management.

Preventative maintenance plans on large installations with regard to auxiliary and main equipment.

Liaison with original engineering manufacturers.

Implementation of statutory safety standards.

Working procedures on all relevant equipment

Power consumption versus flow calculations

Value/cost analysis.

Material testing/identification capabilities and facilities.

Safety: All maintenance services must comply to the Occupational and Health Safety Act 85 of 1993.

Quality: Procedures for services and products must have at the least an ISO 9002 quality listing.

Test Reports: Test reports shall be provided on all tests performed or as requested by the Engineer.

Existing Documents: The Department will furnish the necessary documents with regard to the form of reports, such as technical details, components, test results, items replaced and comments where possible.

New Documents: Prospective Bidders should have the capabilities however of drafting report documents/forms where no official documents currently exist including full Operating and Maintenance Manuals.

General.

Provision of heavy vehicle transport service repair and maintenance facilities.

Emergency breakdown service.

Provision of contractual supervision services.



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NORTHERN, CENTRAL, EASTERN AND SOUTHERN OPERATIONS
BID DWS 04-1117 WTE**

3. ELECTRICAL REQUIREMENTS

3.1 General requirements

- 3.1.1 This Specification describes the usual materials required for the maintenance of electrical installations and general methods of installing these materials.
- 3.1.2 This specifications covers the maintenance of 400/240 V, 50 Hz electrical installations using transformers up to 250 kVA, 600/380 V cables up to 100 mm 4-core, motors up to 100 kW as well as all switchgear, equipment and instrumentation used in conjunction with such installations.

3.2 Statutory Requirements

- 3.2.1 The maintenance and installation of electrical equipment shall always comply with the requirements, stipulations and regulations contained in the following Acts:
- 3.2.2 Occupational Health and Safety Act 85 of 1993 with special reference to Section 1 (Act & Regulations), Section 2 (Administrative Regulations), Section 6 (Electrical Installation Regulations), Section 13 (Driven Machinery Regulations), Section 14 (Electrical Machinery Installations), Section 15 (General Machinery Regulations) and Section 16 (General Safety Regulations).
 - 3.2.2.1 Special mention is made to Annexure A1 of Section 6, which will be applicable on completion of the work.
 - 3.2.2.2 The Mines and Works Act, No. 27 of 1956 and subsequent amendments and regulations issued thereunder.
 - 3.2.2.3 The Electricity Act, No. 40 of 1958.
 - 3.2.2.4 Code of Practice for the Wiring of Premises - SANS 10142.

4. VALVES

All valves to be supplied, repaired or refurbished under this contract shall be in accordance with DWS 2510. It is the responsibility of the Contractor to assure that the supplier / sub Contractor is in possession of the necessary documentation in order to render the required service in accordance with the specification.

5. CORROSION PROTECTION

- 5.1 The contractor shall be responsible for ensuring that he is fully conversant with the requirements of the standard corrosion protection specification DWS 9900 and the relevant coating systems.

All equipment to be repaired or refurbished shall be coated in accordance with the above specification.



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6 QUALITY CONTROL

- 6.1 The contractor or approved sub contractor shall adhere to the departmental specification DWS 2020.
- 6.2 The contractor's quality management system shall be in accordance with SANS ISO 9001: 2000.
- 6.3 The contractor shall implement a comprehensive quality control programme and accept full responsibility for the quality of his workmanship and material used, irrespective of any quality surveillance that may be carried out by the engineer or his appointed representative.
- 6.4 In keeping with the principles contained in the above-mentioned code of practice, the contractor or any nominated and approved sub-contractor(s) shall -
- (a) be responsible for compliance with all the clauses of this specification in every respect;
 - (b) carry out all inspections and tests called for in the specification in the presence of the Engineer or his appointed representative. The cost of these inspections and tests shall be included in the price; and
 - (c) draft a quality control plan for manufacture and compliance with the Departmental quality plan for corrosion protection of all components indicating all the intended stages of testing during manufacture, cleaning, preparation and application as well as hold points for independent quality surveillance.
- 6.5 The quality control plans will not be compromised once in agreement and shall be adhered to at all times.

7 WORKSHOP ASSEMBLY

- 7.1 To minimise actual on-site time and to assist in the erection and installation activities to be performed on site, all components, equipment and sub-assemblies shall be assembled at the contractor's workshop.
- 7.2 Individual components, units etc. of which the prior installation / assembly is not feasible or advisable, shall be clearly marked in such a manner that the actual installation / assembly thereof on site can be completed in the minimum time with a minimum of fitting and adjusting required.

- 7.3 Equipment should be delivered to site in the largest sub-assemblies that are practical and advisable.

For the purpose of performing factory tests as required in terms of this Specification and where considered practical according to the discretion of the Engineer, complete assemblies will be required.

8 OVERHEAD COSTS

- 8.1 All day-to-day normal administration work shall be considered as company overheads.
- 8.2 Monthly coordinating meetings that shall be arranged are **ALSO** considered as overhead costs.



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- 8.3 These costs including labour, travelling time, overtime, vehicle costs, subsistence and travelling costs and etc, to attend such meetings.
- 8.4 The contractor must make provision to include such monthly costs in his/her company overheads.
- 8.5 DWS shall NOT consider any quotations/billing/invoicing associated with travelling to a meeting venue to attend such crucial monthly meetings.
- 8.6 DWS further undertakes to as far as practically possible, to make use of a suitable meeting venue that is within the boundaries of the Province/Region the contractor is active at.

9 STANDARDS

- 9.1 Unless otherwise specified all materials must comply with SANS specifications.
- 9.2 The general applicable standards specifications for work carried out in accordance with this specification shall be:

DWS 1601	:	Standard specification for General Mechanical Specification
DWS 1602	:	Standard specification for Preparation of mechanical and electrical engineering drawings
DWS 2510	:	Standard specification for the supply of valves
DWS 9900	:	Standard specification for Corrosion Protection
DWS 2020	:	Standard specification for Quality Control
SANS 10142	:	All Electrical Specifications plus DWA Specifications
SANS 10142-2	:	Medium Voltage equipment
SANS 10064	:	Preparation of steel surfaces for coatings.
SANS 150	:	PVC-insulated cables.
SANS 152	:	Triple-pole on-load isolators.
SANS 156	:	Magnetic circuit breakers.
SANS 177	:	HV Insulators (Class B).
SANS 178	:	HV Non-Current Carrying Accessories.
SANS 182	:	Conductors for Overhead Electrical Transmission Lines
SANS 221	:	Steel cross-arms.
SANS 555	:	Transformer oil.
SANS 121	:	Hot-dip Galvanising.
SANS 767	:	Earth leakage Relays.
SANS 780	:	Transformers.
SANS 784, 1195	:	Solid drawn high conductivity copper.
SANS 808	:	Glands for PVC-insulated cables.
SANS 890, 891	:	Ballast's for tubular fluorescent lamp luminaries.
SANS 1041	:	Fluorescent lamps.
SANS 1091	:	National colour standards for paints.
SANS 1119	:	Tubular fluorescent lamp luminaries.
SANS 1130	:	Glass fibre-reinforcing material for pipe wrapping.
SANS 1136	:	Cold-applied bitumen primer for steel pipeline protection.
SANS 1137	:	Hot applied bitumen for steel pipeline protection.
SANS 1178	:	The production of lined and coated steel pipes using bitumen or coal tar enamel.



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SANS 1180	:	Flush mounted distribution boards.
SANS 1217	:	The production of painted and powder coated steel pipes.
SANS 1250	:	Capacitors for tubular fluorescent lamp luminaries.
SANS 1274	:	Coatings applied by the Powder-coating process.
SANS 1344	:	Medium duty solvent detergent.
SANS 5770	:	Cleanliness of blast-cleaned steel surfaces for painting (freedom of soluble salts).
SANS 5772	:	profile blast –cleaned steel surfaces for painting (profile gauge)
SANS 5769	:	cleanliness of blast cleaned steel surfaces for painting (freedom from dust and debris).
SANS ISO 1461	:	Hot dip galvanised coatings on fabricated iron and steel articles.
SANS ISO 2063	:	Metallic and other inorganic coatings – thermal spaying.
SANS ISO 2808	:	Determination of film thickness.
SANS ISO 8501-1	:	Preparation of steel substrates before application of paints and related Products - Visual assessment of surface cleanliness – Part 1 Rust grades and preparation grades of steel substrates after overall removal of previous coatings.
SANS ISO 8504-2	:	Preparation of steel substrates before application of paints and related Products – Surface preparation methods – Part 2 Abrasive blast cleaning.
SANS ISO 8503	:	preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast cleaned steel substrates.
SANS ISO 14713	:	protection against corrosion of iron and steel in structures – guidelines.
ISO 752	:	Zinc ingots.
BS 37	:	kWh meters.
BS 89	:	Indicating instruments.
BS 5493	:	Protective coating for steel structures against corrosion.
BS 3938	:	
IEC 185	:	Current transformers.
IEC 51	:	Running hour meters.
IEC 99-1	:	Surge Arrestors.
EN 1179	:	Zinc and Zinc alloy – primary zinc.

9.3 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.

PART 6

BID DWS 04-1117 WTE

BID REQUIREMENTS

**MECHANICAL AND OTHER RELATED MAJOR PLANT
AND MACHINERY INSTALLATION, MAINTENANCE,
REPAIR, REFURBISHMENT AND UPGRADE FOR
NORTHERN, CENTRAL, EASTERN AND SOUTHERN
OPERATIONS**

**(Limpopo, Mpumalanga, North-West, Gauteng, Free
State, Northern Cape, Kwa-Zulu Natal & Western Cape)**

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1. NOTICE OF SITE INSPECTION

- 1.1 Bidders will be invited to quote against specific installations at some of the Dams in the respective regions. Bidders are therefore invited to the compulsory site inspections that will be held at various venues across the country. The bidders will be given specific instructions and allowed to examine some of the items listed in the bid schedules.
- 1.2 Bidders are advised to visit the site to acquaint themselves with the local conditions.
- 1.3 Claims that may arise at a later stage due to lack of information in this regard WILL NOT BE CONSIDERED.
- 1.4 Prospective Bidders are further advised to make their own arrangements for additional site visits, a general site visit will be arranged by the Engineer. Bidders wishing to obtain access to site shall contact the Engineer, who will co-ordinate such visit with the local Water and Sanitation personnel.

2. COMPULSORY SITE INSPECTION DATE

The date and time of the site visit was published in the Government Gazette along with the advertisement for this bid. The site inspections will be held at following venues:

Arrangements for site visits and inspections of the equipment at the various sites can be arranged with the Water Control Officer and his numbers are:

OPERATIONAL AREA	VENUE FOR COMPULSORY SITE MEETING	CONTACT PERSON	CONTACT NUMBERS
Northern Operations (Limpopo, Mpumalanga & North-West)	Doorndraai Dam	Mr. Solomon Thantsha	Landline: 015 307 8600 Cell: 082 809 0710
Central Operations (Gauteng, Free State & Northern Cape)	Grootdraai Dam	Mr. Puleng Manyaka	Landline: 071 712 9400 Cell: 079 070 0189
Eastern Operations (Kwa-Zulu Natal)	Midmar Dam	Mr. Dirk Brune	Landline: Cell: 082 808 9934
Southern Operations (Western Cape)	Brandvlei Dam & Pump Station	Mr. Thys Fourie	Landline: Cell: 082 809 1322

Should there be any difficulties in contacting the above listed officials please contact Mr T Ngati on Landline: (012) 336 8623 or Cell: 071 870 7403.

NOTE: PLEASE NOTE THAT NO CLAIMS FOR ATTENDING THE COMPULSORY SITE BRIEFING / SESSION SHALL BE CONSIDERED. ALL COSTS PERTAINING TO ATTENDING THIS SESSION SHALL BE BOURNE BY THE CONTRACTOR(S).

3. SITE DESCRIPTION

Bidder Requirements Paragraph 12, 13, 14 and 15 comprises a description of a specific installation for adjudication purposes for the four (4) Operational Areas.

There compulsory site inspection sessions shall be held as follows:

OPERATIONAL AREA	VENUE FOR COMPULSORY SITE MEETING	GPS COORDINATES	
		SOUTH	EAST
Northern Operations (Limpopo, Mpumalanga & North-West)	Doorndraai Dam	24°16'45"	28°46'1"
Central Operations (Gauteng, Free State & Northern Cape)	Usutu-Vaal GWS	26°55'9"	29°17'53"
Eastern Operations (Kwa-Zulu Natal)	Midmar Dam	28°46'38"	31°27'59"
Southern Operations (Western Cape)	Brandvlei Dam and pump station	33°42'45"	19°24'57"

Directions per Operational Area on how to get to the various sites to attend the compulsory site inspection sessions are as follows:

NORTHERN OPERATIONS (Limpopo, Mpumalanga & North-West)

On the N1 from Pretoria northern direction take turn off just past Mookgapong (the old R101) turn off to Sterkrivier, continue for approximately 5km until the Doorndraai Dam turn off. Contact Person at the dam is Josef Seanego and his telephone numbers are: Landline - 015-453 0641, Cell 083 645 4322.

GPS Coordinates S 24°16'45" E28°46'1" / 24.27917°S 28.76694°E

CENTRAL OPERATIONS (Gauteng, Free State & Northern Cape)

From Standerton towards Ermelo five kilometres from the traffic light the road turns right to the dam at the sign for the Usutu-Vaal GWS.

EASTERN OPERATIONS (Kwa-Zulu Natal)

Midmar Dam is located in Howick (Kwa-Zulu Natal Province) easily accessible from the N3.

GPS Coordinates 29°30'S 30°11'E

SOUTHERN OPERATIONS (Western Cape)

The site meeting will be held at Worcester, Water and Sanitation offices (before site inspection) from where everyone will proceed to Brandvlei Dam and pump station in Western Cape.

NOTE: PROSPECTIVE BIDDERS ARE NOT REQUIRED TO ATTEND ALL THE COMPULSORY SITE INSPECTION SESSIONS AS ARRANGED ON ITEM 2 ABOVE. HOWEVER, IT IS COMPULSORY TO ATTEND ONLY THE INSPECTION SESSIONS THAT MAY BE APPLICABLE TO YOU. E.g. IF YOU DO NOT ATTEND A BRIEFING SESSION FOR A PARTICULAR CLUSTER AREA, YOU ARE AUTOMATICALLY EXCLUDED FROM BIDDING FOR THAT PARTICULAR AREA. SHOULD YOU WISH TO BID FOR ALL CLUSTERS, IT IS ONLY THEN THAT YOU ARE EXPECTED TO ATTEND ALL SITE INSPECTION SESSIONS.

IN CASES WHERE A PROSPECTIVE BIDDER SUBMITS A BID FOR ALL AREAS, THE BIDDER WILL BE REQUIRED TO ATTEND ALL COMPULSORY SITE INSPECTION SESSIONS. DEPENDING ON THE NUMBER OF SUCCESSFUL BIDS, THE BIDDERS MAY BE APPOINTED A MAXIMUM OF TWO CLUSTER AREAS.

4. TECHNICAL CLARIFICATION MEETING

A Technical Clarification Meeting, to discuss and clarify any technical queries there may exist regarding the extents of the Detail Specification, shall be held subsequent to the awarding of the Bidder and thereafter at monthly intervals. Briefing

4.1 SITE INSPECTION CERTIFICATES: BID DWS 04-1117 WTE

4.1.1 NORTHERN OPERATIONS (LIMPOPO, MPUMALANGA & NORTH-WEST)

This is to certify that I, _____

Representative of (Bidder) _____

Of (address) _____

_____ Telephone No: _____

In the company of (Engineer) _____

Visited the site on _____

Having previously studied the documents, I carefully examined the site and equipment. I have made myself familiar with all the equipment likely to influence the work and the cost thereof.

I further certify that I am satisfied with the description of the work and the explanations given by the Engineer and I understand perfectly the work to be done, as specified and implied, in the execution of this Contract.

Signed on behalf of the Bidder (PRINT NAME AND SIGNATURE)

Engineer (PRINT NAME AND SIGNATURE)

Witness (PRINT NAME AND SIGNATURE)

4.1.2 CENTRAL OPERATIONS (GAUTENG, FREE STATE & NORTHERN CAPE)

This is to certify that I, _____

Representative of (Bidder) _____

Of (address) _____

_____ Telephone No: _____

In the company of (Engineer) _____

Visited the site on _____

Having previously studied the documents, I carefully examined the site and equipment. I have made myself familiar with all the equipment likely to influence the work and the cost thereof.

I further certify that I am satisfied with the description of the work and the explanations given by the Engineer and I understand perfectly the work to be done, as specified and implied, in the execution of this Contract.

Signed on behalf of the Bidder (PRINT NAME AND SIGNATURE)

Engineer (PRINT NAME AND SIGNATURE)

Witness (PRINT NAME AND SIGNATURE)

4.1.3 EASTERN OPERATIONS (KWA-ZULU NATAL)

This is to certify that I, _____

Representative of (Bidder) _____

Of (address) _____

_____ Telephone No: _____

In the company of (Engineer) _____

Visited the site on _____

Having previously studied the documents, I carefully examined the site and equipment. I have made myself familiar with all the equipment likely to influence the work and the cost thereof.

I further certify that I am satisfied with the description of the work and the explanations given by the Engineer and I understand perfectly the work to be done, as specified and implied, in the execution of this Contract.

Signed on behalf of the Bidder (PRINT NAME AND SIGNATURE)

Engineer (PRINT NAME AND SIGNATURE)

Witness (PRINT NAME AND SIGNATURE)

4.1.4 SOUTHERN OPERATIONS (WESTERN CAPE)

This is to certify that I, _____

Representative of (Bidder) _____

Of (address) _____

_____ Telephone No: _____

In the company of (Engineer) _____

Visited the site on _____

Having previously studied the documents, I carefully examined the site and equipment. I have made myself familiar with all the equipment likely to influence the work and the cost thereof.

I further certify that I am satisfied with the description of the work and the explanations given by the Engineer and I understand perfectly the work to be done, as specified and implied, in the execution of this Contract.

Signed on behalf of the Bidder (PRINT NAME AND SIGNATURE)

Engineer (PRINT NAME AND SIGNATURE)

Witness (PRINT NAME AND SIGNATURE)

5. TECHNICAL SCHEDULES

Bidders are advised that it is in their best interest to provide accurate and detailed information in answer to all questions asked in the TECHNICAL SCHEDULES.

5.1 SCHEDULE OF PRICES

The Engineer reserves the right to correct any arithmetical errors found in the completed schedules.

5.2 GENERAL INFORMATION

Client's Name: Department of Water and Sanitation, National Water Resource Infrastructure (NWRI)

Bid Name: Installation, Maintenance, Repair, Refurbishment and Upgrade of Mechanical and Other Related equipment.

Bid Number: DWS 04-1117 WTE

Are you able to perform all the work that this Bid calls for

☐ YES

☐ NO

Is your quality system SANS ISO 9001:2000 registered?
(Attach certified copy of valid proof of registration)

☐ YES

☐ NO

5.3 SITE INSPECTION

Did you attend the site inspection?

☐ YES

☐ NO

Which Cluster Area(s) are you bidding for? (Indicate first preference)

5.4 BIDDED RATES

Are all your bidden rates firm?

☐ YES

☐ NO

State which are not and the reasons why.

5.5 EQUIPMENT AND FACILITIES

Can you, at you own facilities, service/refurbish a preponderance of the equipment listed in the TECHNICAL SPECIFICATION AND REQUIREMENTS SECTION 1

☐ YES ☐ NO

Can you perform all the activities in the TECHNICAL SPECIFICATION AND REQUIREMENTS SECTION 2

☐ YES ☐ NO

If the answer to either the two above questions is NO, state which items and the reasons why.

Are your facilities (workshop) located in the Cluster Area you are bidding for? ☐ YES ☐ NO

Are your and your sub-contractors facilities (workshops) available for inspection? ☐ YES ☐ NO

List the addresses of location where your facilities (workshops) are located (If inadequate space please attached a list with full details)

As and when required will you or your subcontractors (local manufacturer) supply the services, works or goods listed in SBD 6.2 paragraph 2 in accordance with the listed minimum thresholds?

☐ YES ☐ NO

(SBD 6.2 must be completed in full – failure to comply with "local production and contents for designated sectors" shall render your bid non responsive.)

5.6 SUBCONTRACTORS

Will subcontractors perform portions of the work bidded for? ☐ YES ☐ NO

Are your sub-contractors BBBEE rated? ☐ YES ☐ NO

If yes, list the subcontractors below (If inadequate space please attached a list with full details)

PART 6: BID REQUIREMENTS

List the addresses of locations where "off-site" maintenance will be performed: (Note: this shall include addresses of the subcontractors to be employed)

If the space provided above is not sufficient, please submit details on separate pages attached to your offer.

For which items of equipment will the above listed facilities be used?

What percentage mark-up charged on work performed by Subcontractors will be calculated in accordance with Part 4 Conditions for Maintenance Contract, Paragraph 6.1.5. _____%

5.7 STAFF

List the numbers of staff in the following categories presently available within your own organisation:

Management	_____
Engineers	_____
Technicians	_____
Safety Officer	_____
Quality Control Inspector	_____
Administration	_____
Specialist Artisans	_____
Artisans	_____
Skilled	_____
Driver (EHMV)	_____
Semi Skilled	_____
General Workers	_____

It is an expressed condition that the Contractor shall execute the site work under this contract under the supervision of a person appointed under the General Machinery Regulations: GMR 1 (b) in either mechanical or electrotechnical (heavy current) fields.

Will you execute the site work under the supervision of a person appointed under the General Machinery Regulations: GMR 1 (b) in either mechanical or electrotechnical (heavy current) fields?

☐ YES

☐ NO

5.8 EXPERIENCE

Do you have proven experience to perform the activities and work called for in this document?

☐ YES

☐ NO

List all previous major undertakings:

5.9 OCCUPATIONAL HEALTH AND SAFETY

a) Are you conversant with the Occupational Health and Safety Act, Act 85 of 1993 (and it's Regulations)?

☐ YES

☐ NO

b) Will you prepare a Safety File for all site activities? (Refer to Annexe F of Part 4)

☐ YES

☐ NO

c) Will you comply with the "Department Security Rules and Regulations for Contractors" (Annexe A of Part 4)?

☐ YES

☐ NO

d) Will you comply with "Safety and Security Instructions for Contractors" (Annexe C of Part 4)?

☐ YES

☐ NO

6. PRICE SCHEDULES

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

6.1 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	TRAVELLING TIME	STANDBY TIME	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)					

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.

Living Out Allowance:

The living out allowance shall include all food costs as well as any other costs that might arise when staying out, excluding accommodation.

Accommodation:

1. Departmental Accommodation
The Department may at its discretion provide accommodation for the contractor's personnel at the Departmental Guesthouses situated at the Dams.
2. 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.
3. 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.

Accommodation cost can vary on availability of DWS vs. private accommodation. The Department may at its discretion provide accommodation for the contractor's personnel at the Departmental Guesthouses at the Dams.

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.

6.2 TRANSPORT COSTS

Tariff is in cents per kilometre (exclusive of VAT) as from the dates below: No back charge of tariffs will be made before the under-mentioned dates for invoices already processed.

The rates will be updated as the Department of Transport rates are adjusted.

The contractor must decide which vehicle/s to use in order to calculate the transport costs in the price schedules.

Petrol

Engine swept volume CC	Sedan/station wagon	Light delivery vehicle 4x2	Light delivery vehicle 4x4	Mini bus/MPV
	A	B	C	D
	From January 2017	From January 2017	From January 2017	From January 2017
Up to 1250	251.7	222.9	365.3	339.2
1251 to 1550	314.3	284.3		366.5
1551 to 1750	344.5	293.0		
1751 to 1950	404.9	348.2		
1951 to 2150	416.7	386.8	415.7	424.0
2151 to 2500	494.1	402.5		497.4
2501 to 3500	609.3	419.8		620.6
Over 3500	694.3	489.8	546.4	695.0

Diesel

Engine swept volume CC	Sedan/station wagon	Light delivery vehicle 4x2	Light delivery vehicle 4x4	Mini bus/MPV
	A	B	C	D
	From January 2017	From January 2017	From January 2017	From January 2017
Up to 1250	232.8	249.2	368.1	449.5
1251 to 1550	300.1	305.1		
1551 to 1750	321.9	310.9		
1751 to 1950	337.5	354.6		
1951 to 2150	384.1	359.1	439.6	562.6
2151 to 2500	450.4	394.5		
2501 to 3500	577.5	404.7	490.8	599.8
Over 3500		541.7	555.9	685.3

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.

NOTE: 1) Escalation according to SEIFSA rates/indices shall apply for fuel and labour costs.
2) Complete above table in full

Rates for all vehicles not listed above must be supplied by the bidder for approval.
NB There is no provision for an additional rate for towing a trailer.

ACTUAL/DIRECT EXPENSES

Reasonable actual expenses for hiring a car, light delivery vehicle or Minibus, limited to Class B vehicles, when flying to site.

6.3 EQUIPMENT COSTS

- 6.3.1 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.
- 6.3.2 Small tools, instruments and quality control instruments cost such as vacuum cleaner, drills, angle grinders etc. shall be considered to be part of the Production Artisan, Quality Inspector's, etc labour cost.
- 6.3.3 For the purpose of performing factory tests as required in terms of this specification and where considered practical according to the discretion of the Engineer, complete assemblies will be required.

7. 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 **relevant** 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.

Personnel: Individuals in the permanent employment of the contractor.

The contractor shall at all times keep the list updated for his and his sub-contractor's staff.

8. 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 following tables refer to specific equipment that will be shown and if necessary demonstrated to the bidder at the site meeting referred to in the Instructions to bidders.

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.

For adjudication purposes, the Department specified the manpower level as deemed required as well as the number of hours to do the specific task. If the Bidder strongly feels that the listed manpower levels and number of hours is not a realistic indication, it should be noted at the site meeting and alternative offers may then be considered.

For adjudication purposes it shall be assumed that all the items are located at the different Dams to have a more realistic comparison of cost for contractors based in different centres.

Transport cost should reflect the transport cost of personnel to and from these sites for removal and installation of equipment as well as the transporting of equipment to and from your workshop.

9. WORKSHOP

The Contractor's workshop shall be situated where possible within the boundaries of the applicable Operational Areas or located within reasonable distance from the major schemes.

10. FACILITIES

The Contractors workshop must have the facilities to perform maintenance, repair and refurbishment of equipment.

Equipment deemed essential:

- Overhead crane, welding facilities, lathe, drill press, hydraulic press, hydraulic testing facilities (pressure testing).

11. ORGANIZATIONAL CAPABILITY

The Engineer will evaluate the organisation, technical personnel and supportive personnel of the contractor.

12. PRICE SCHEDULE 1

The price schedules must be completed in full by the bidder (each line item to be completed). Complete Price Schedules for work to be done. Failure to complete the price schedules in full may render your bid non responsive.

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)		

12.2 OUTLET PIPES (PIPELINE, 120M LONG, 1200MM DIA, MILD STEEL)

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,1XSO, 1XQA		5,5,5,5, 5	
Rough abrasive cleaning	1XPM,4XGW		7,10	
Travelling time (1 trip to site and back)	1XSA,1XSS,1XGW, 1XSO		5,5,5,5	
Mechanical repairs (10 m welding & 8 sq.m grinding)	1XSA,1XPM,2XGW		2,11,11	
Final abrasive blast Sa 3	1XSA,1XPM,4XGW, 1XQA		2,7,15, 5	
Coating application (epoxy to DFT 400 microns)	1XSA,1XPM,1XSS, 1XQA		2,14,14, 5	
Cost of equipment	1XPM,1XSS		5,5	
Test reports	1XSA, 1XQA		1,1	
Travelling time (1 trip to site and back)	1XSA,1XSS,1XGW, 1XSO, 1XQA		5,5,5,5, 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)	

12.3 BUTTERFLY VALVE (DN 900, ELECTRICALLY OPERATED) 3 TON

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XSA,1XPM, 1XQA		4,4,4,4	
Travelling time (1 trip to site and back)	1XT,1XSA,1XPM, , 1XSO,1XQA		5,5,5,5,5	
Remove	1XSA,1XGW		8,8	
Travelling time (1 trip to site and back)	1XSA,1XGW, 1XSO		5,5,5	
Travelling time for transport (1 trip to site and back to specialised contractors workshop)	1XD,1XGW, 1XQA		5,5,5	
Inspect	1XSO,1XSA, 1XQA		2,2,2	
Report	1XSA, 1XQA		1,1	
Pressure test certificate	1XSA, 1XQA		1,1	
Install	1XSA,1XGW, 1XSO, 1XQA		9,9,9,9	
Travelling time for transport (1 trip from contractors premises to specialised contractors workshop, to site and back)	1XD,1XGW,1XQA		5,5,5	
Travelling time (1 trip to site and back)	1XSA,1XGW, 1XSO		5,5,5	
Commission	1XT,1XSA,1XPM, 1XSO		6,6,6,6	
Travelling time (1 trip to site and back)	1XT,1XS,1XPM, 1XSO		5,5,5,5	
TOTAL LABOUR COSTS		(excl. VAT)		

12.4 GATE VALVE (DN 500, MANUALLY OPERATED) ½ TON

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XSA,1XPM, 1XQA		2,2,2,2	
Travelling time (1 trip to site and back)	1XT,1XSA,1XPM, 1XQA		5,5,5,5	
Remove	1XSA,1XGW, 1XSO		3,3,3	
Travelling time for transport (1 trip to site and back to specialised contractors workshop)	1XSA,1XGW, 1XSO, 1XQA		5,5,5,5	
Inspect	1XT,1XSA, 1XQA		1,1,1	
Report	1XSA, 1XQA		1,1	
Pressure test certificate	1XSA		1	
Install	1XSA,1XGW, 1XSO, 1XQA		4,4,4,4	
Travelling time for transport (1 trip from contractors premises to specialised contractors workshop, to site and back)	1XSA,1XGW, 1XSO, 1XQA		5,5,5,5	
Commission	1XT,1XSA,1XPM, 1XSO		1,1,1,1	
Travelling time (1 trip to site and back)	1XT,1XSA,1XPM, 1XSO		5,5,5,5	
TOTAL LABOUR COSTS		(excl. VAT)		

12.5 SLEEVE VALVE (DN 610, HYDRAULIC OPERATED) 1½ TON

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XSA,1XPM, 1XQA		4,4,4,4	
Travelling time (1 trip to site and back)	1XT,1XSA,1XPM, 1XQA		5,5,5,5	
Remove	1XSA,1XGW, 1XSO		9,9,9	
Travelling time (1 trip to site and back)	1XSA,1XGW, 1XSO		5,5,5	
Travelling time for transport (1 trip to site and back to specialised contractors workshop)	1XD,1XGW,1XSO		5,5,5	
Inspect	1XSA,1XSO		3,3	
Report	1XSA, 1XQA		1,1	
Pressure test certificate	1XSA		1	
Install	1XSA,1XGW, 1XSO, 1XQA		7,7,7,7	
Travelling time for transport (1 trip from contractors premises to specialised contractors workshop, to site and back)	1XD,1XGW		5,5	
Travelling time (1 trip to site and back)	1XSA,1XGW, 1XSO, 1XQA		5,5,5,5	
Commission	1XT,1XSA,1XPM, 1XSO		4,4,4,4	
Travelling time (1 trip to site and back)	1XT,1XSA,1XPM, 1XSO		5,5,5,5	
TOTAL LABOUR COSTS		(excl. VAT)		

12.6 NEEDLE VALVE (DN 800/700, 25 BAR, WITH HYDRAULIC DAMPING SYSTEM GEARBOX AND ELECTRIC ACTUATOR)

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Project management	1X PM		6	
Inspect	1XSA, 1XA, 1XQA		2;4,5	
Travelling to site and back for pre-quotation inspection	1xPM, 1XA, 2XGW		5,5,5,5	
Remove	1xA, 2XGW, 1XSO		9,9,9	
Travelling to site and back to disconnect and remove the equipment.	1xA, 2XGW, 1XSO		5,5,5	
Transport of the equipment to your works for refurbishment	1XSS, 1xA		5,5	
Report, prepare quality control plans, finalising scope of work	1XPM, 1XQA		3,3	
Pressure test certificate	1XSA		1	
Transport of the equipment to site after refurbishment	1XSS, 1xA		5,5,5	
Install	1XA, 2XGW, 1XSO, 1XQA		8;8,8,8	
Travelling to site and back to install equipment	1XA, 2XGW, 1XSO, 1XQA		5,5,5,5	
Testing and Commission	1XSA ; 1XA, 1XPM, 1XSO		5;5,5,5	
Travel to site and back to test and commission	1XPM, 1XSA, 1xA, 1XSO		5,5,5,5	
Report and submit completed quality control sheets	1xPM		2	
TOTAL (excl. VAT)				

12.7 SERVICE GATE (SERVICE GATE, 3000X2500) 7 TON

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM,1XT,1XSA,1XQA		4,4,4,4	
Travelling time (1 trip to site and back)	1XPM,1XT,1XS,1XQA		5,5,5,5	
Remove	1XSA,2XGW		8,8	
Travelling time (1 trip to site and back)	1XSA,2XGW		5,5	
Transport equipment to workshop (1 trip to site and back)	1XD,1XGW		5,5	
Dismantle in workshop	1XSA,2XGW,1XSO		12,12, 12	
Rough Blast and clean	1XSA,1xSS		14,14	
Inspect	1XPM,1XSA,1XQA		3,3,3	
Report	1XSA, 1XQA		2,2	
Mechanical repair (10 m welding and 12m ² grinding)	1XSS,1XSA,2XGW		16,16,16	
Final Blast to Sa 3	1XSA, 1XSS, 1XQA		15,15,15	
Application of corrosion protection (epoxy and recoatable polyurethane to DFT 400 µm)	1XSA,1XSS, 1XQA		40,40,40	
Replace seals	1XSA,2XGW		8,8	
Replace lashing strips with stainless steel lashing strips (epoxy coat)	1XSA,2XGW		8,8	
Replace all fasteners with stainless steel fasteners (powder coat head and shank)	1XSA,2XGW		8,8	
Assemble	1XSA,2XGW		12,12	
Transport equipment to site (1 trip to site and back)	1XD,1XGW		5,5	
Install	1XSA,2XGW,1XQA		8,8,8	
Travelling time (1 trip to site and back)	1XSA,2XGW,1XQA		5,5,5	
Commission and Report	1XPM,1XT,1XSA		8,8,8	
Travelling time (1 trip to site and back)	1XPM,1XT,1XSA		5,5,5	
TOTAL LABOUR COSTS			(excl. VAT)	

12.8 STOP LOGS (12M X 3 M, MILD STEEL)

SCOPE OF WORK PER STOP LOG	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
General project management	1XPM		16	
Dismantle	1XA, 1xSS, 2XGW		16;16;16	
Rough blast and clean	1XA, 1XSS, 1 x GW		16;16;16	
Inspect	1XPM, 1XA, 1XQA		2;6,3	
Report, prepare quality control plans, finalising scope of work	1XPM, 1XQA		3,3	
Final blast to SA 3	1XA, 1XSS; 2XGW, 1xQA		24;24;24, 24	
Coat (Wet –DFT 375µm two pack epoxy plus 40µm re-coatable poly-urethane; dry – DFT 250µm two pack epoxy plus top coat of 125µm Multi-purpose epoxy)	1XA, 1XSS, 1XGW, 1xQA		80;80;80, 4	
Replace seals	1XPM, 1XA, 2X GW		4;4;4	
Replace lashing strips with stainless steel lashing strips (coat with epoxy)	1XPM, 1XA, 2X GW		4;4;4	
Replace all bolts with stainless steel bolts (coat with epoxy)	1XPM, 1XA, 2X GW, 1XSO		4;4;4,4	
Assemble	1XPM, 1XA, 2X GW, 1XQA		4;4;4,4	
Test and Commission	1XPM, 1XA, 2X GW		8;8;8	
Test report	1XPM		4	
Report and submit completed quality control sheets	1xPM, 1XQA		2,2	
Travelling time (1 trip to site and back)	1XPM, 1XT, 1XSA, 1XQA		5,5,5,5	
TOTAL (excl. VAT)				

12.9 RADIAL GATES (FLOOD CONTROL, 12M X 12 M, MILD STEEL)

SCOPE OF WORK PER CREST GATE	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
General project management	1 PM		6	
Inspect/Evaluate	1XPM,1XA, 1XQA		8;8,8	
Report, prepare quality control plans, finalising scope of work	1XPM,1XQA		3	
Blast	1XA,2XSS,4XGW		80;120;120	
Clean	1XA,4XGW		16;16	
Application of protective coating (per coat)	1XA,2XSS,4XGW,1XQA		36;120;120,10	
Replace seals	1XPM,2XA,4XGW,1XSO		2;8;8,8	
Replace lashing strips with stainless steel lashing strips (coat)	1XPM,2XA,4XGW		2;8;8	
Replace all fasteners with stainless steel fasteners (coat)	1XPM,2XA,4XGW		2;8;8	
Test report	1XPM; 2XA,1XQA		5; 3,3	
Report and submit completed quality control sheets	1XPM, 1XQA		2,2	
Travelling time (1 trip to site and back)	1XPM,1XT,1XSA,1XQA		5,5,5,5	
TOTAL (excl. VAT)				

12.10 SUBMERSIBLE PUMP (CENTRIFUGAL, SUBMERSIBLE PUMP 3,6KW) ½ TON

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XSA,1XPM, 1XQA		2,2,2,2	
Travelling time (1 trip to site and back)	1XT,1XSA,1XPM, 1XQA		5,5,5,5	
Uncouple coupling, loosen pipework and Remove pump.	1XSA,2XGW, 1XSO		2,2	
Travelling time (1 trip to site and back)	1XSA,2XGW, 1XSO		5,5,5	
Travelling time for transport (1 trip to site and back to specialised contractors workshop)	1XSA,2XGW		5,5	
Report	1XSA,1XQA		5,5	
Supply test report	1XSA		2	
Install and couple pump	1XSA,2XGW, 1XSO,1XQA		5,5,5,5	
Test run	1XT,1XGW		2,2	
Travelling time (1 trip to site and back)	1XT, 1XSA,2XGW, 1XSO,1XQA		5,5,5,5,5	
Travelling time for transport (1 trip from contractors premises to specialised contractors workshop, to site and back)	1XSA,2XGW		5,5	
Report	1XSA, 1XQA		1,1	
Commission	1XT,1XSA,1XPM		3,3,3	
Travelling time (1 trip to site and back)	1XT,1XSA,1XPM		5,5,5	
TOTAL LABOUR COSTS (excl. VAT)				

12.11 BOOSTER PUMP (CENTRIFUGAL, PUMP, 30KW) ¾ TON

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XPM,1XSA,1XQA		2,2,2,2	
Travel time (1 trip to site & back)	1XT,1XPM,1XSA,1XQA		5,5,5, 5	
Uncouple coupling and loosen pipe work and remove pump	1XSA,2XGW,1XSO		5,5,5	
Travelling time (1 trip to site and back)	1XSA,2XGW,1XSO		5,5,5	
Travelling time for transport (1 trip to site and back to specialised contractors workshop)	1XSA,2XGW,1XSO		5,5,5	
Report	1XPM,1XQA		1,1	
Supply test report	1XSA		1	
Install and couple pump	1XSA,2XGW		5,5	
Align with laser	1XSA,1XGW		1,1	
Test run	1XSA,1XQA		3,3	
Travelling time for transport (1 trip from contractors premises to specialised contractors workshop, to site and back)	1XSA,2XGW,1XSO		5,5,5,5	
Commission	1XT,1XPM,1XSA,1XSO		6,6,6,6	
Travel time (1 trip to site & back)	1XT,1XPM,1XSA,1XSO,1XQA		5,5,5,5	
TOTAL LABOUR COSTS (excl. VAT)				

12.12 ELECTRICAL MOTOR (SQUIRREL CAGE, INDUCTION MOTOR, 300KW, STAR-DELTA, 1500RPM, 50HZ) 2 TON

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM,1XSA,1XQA		5,5,5	
Travel time (1 trip to site and back)	1XPM,1XSA,1XQA		5,5,5	
Remove induction motor	1XSA,2XGW,1XSO		8,8	
Travelling time (1 trip to site and back)	1XSA,2XGW,1XSO,		5,5,5	
Travelling time for transport (1 trip to site and back to specialised contractors workshop)	1XD,1XGW		5,5	
Report	1XSA,1XQA		1,1	
Test reports before & after	1XSA		1	
Install induction motor	1XSA, 2XGW,1XSO		5,5,5	
Laser align	1XSA,1XSS,1XSO		3,3,3	
Travelling time (1 trip to site and back)	1XSA,2XGW,1XSO, 1XSS		5,5,5,5	
Travelling time for transport (1 trip from contractors premises to specialised contractors workshop, to site and back)	1XD,1XGW		5,5	
Commission	1XPM,1XT,1XSA, 1XSO		2,2,2,2	
Travelling time (1 trip to site and back)	1XPM,1XT,1XSA, 1XSO		5,5,5,5	
TOTAL LABOUR COSTS (excl. VAT)				

12.13 SWITCHGEAR SERVICING (LOW VOLTAGE, 400 V, 600A)

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM, 1XT, 1XSA, 1XQA		4,4,4,4	
Travelling time (1 trip to site and back)	1XPM, 1XT, 1XSA, 1XQA		5,5,5,5	
Cleaning of all switchgear units' components and capacitors (internal and external)	1XSA, 1XGW		8,8	
Travelling time (1 trip to site and back)	1XSA, 1XGW		5,5	
Checking of all terminations	1XSA, 1XSO		3,3	
Tightening of all loose contacts	1XSA		4	
Testing of all relevant instrumentation, relays, contactors, equipment, earthing, etc.	1XSA, 1XQA		6,6	
Detailed report for each individual switchgear and capacitor unit	1XSA, 1XQA		2,2	
Identification of obsolete switchgear	1XSA		1	
Detailed reports of obsolete switchgear	1XSA		1	
Travelling time (1 trip to site and back)	1XSA, 1XGW		5,5	
Commission	1XPM, 1XT, 1XSA		4,4,4	
Travelling time (1 trip to site and back)	1XPM, 1XT, 1XSA		5,5,5	
TOTAL LABOUR COSTS (excl. VAT)				

12.14 SWITCHGEAR (MEDIUM VOLTAGE, UP TO 22 kV, 2500A)

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM, 1XT,1XSA, 1XQA		4,4,4,4	
Travelling time (1 trip to site and back)	1XPM, 1XT,1XSA,1XQA		5,5,5,5	
Cleaning of all switchgear units' components and capacitors (internal and external)	1XSA,1XGW		8,8	
Travelling time (1 trip to site and back)	1XSA,1XGW		5,5	
Checking of all terminations	1XSA,1XSO		3,3	
Tightening of all loose contacts	1XSA		4	
Testing of all relevant instrumentation, relays, contactors, equipment, earthing etc.	1XSA,1XQA		6,6	
Detailed report for each individual switchgear and capacitor unit	1XSA,1XQA		2,2	
Identification of obsolete switchgear	1XSA		1	
Detailed reports of obsolete switchgear	1XSA		1	
Travelling time (1 trip to site and back)	1XSA,1XGW		5,5	
Commission	1XPM,1XT,1XSA		4,4,4	
Travelling time (1 trip to site and back)	1XPM,1XT,1XSA		5,5,5	
TOTAL LABOUR COSTS (excl. VAT)				

12.15 TRANSFORMERS (2MVA, 22000/400V, 3-PHASE, 50HZ) 6 TON

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM,1XT,1XSA,1XQA		3,3,3,3	
Travelling time (1 trip to site and back)	1XPM,1XT,1XSA,1XQA		5,5,5,5	
Remove Transformer	1XSA,2XGW		2,2	
Travelling time (1 trip to site and back)	1XSA,2XGW		5,5	
Transport equipment (1 trip to site & back)	1XD,1XGW		5,5	
Dismantle in workshop	1XSA,1XGW,1XSO		5,5,5	
Test oil filter	1XT, 1XQA, 1XSA		2,2,2	
Replacement of silicon crystal	1XT, 1XQA, 1XSA		2,2,2	
Functionality test on protection equipment	1XT, 1XQA, 1XSA		5,5,5	
Clean	1XGW		6	
Inspect	1XT,1XSA,1XQA		1,1,1	
Report	1XSA,1XQA		1,1	
Repair	1XSA,1XGW		16,16	
Corrosion Protect	1XSA,1XSS,1XQA		16,16,4	
Assemble	1XSA,1XSS		8,8	
Test reports	1XSA,1XQA		1,1	
Travelling time (1 trip to site and back)	1XSA,2XGW,1XQA		5,5,5	
Commission	1XPM,1XT,1XSA		8,8,8	
Travelling time (1 trip to site and back)	1XPM,1XT,1XSA		5,5,5	
TOTAL LABOUR COSTS (excl. VAT)				

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)	

***Note: The Total Price Schedule 1 (excluding Value Added Tax) must also be included in the "BID PRICE SCHEDULE SUMMARY"**

The price schedules must be completed in full by the bidder (each line item to be completed). Complete Price Schedules for work to be done. Failure to complete the price schedules in full may render your bid non responsive.

NAME OF BIDDER: _____ COMPANY NAME: _____

SIGNATURE OF BIDDER: _____

DATE: _____

13. PRICE SCHEDULE 2

The price schedules must be completed in full by the bidder (each line item to be completed). Complete Price Schedules for work to be done. Failure to complete the price schedules in full may render your bid non responsive.

13.1 VERTICAL SPLIT PUMP REFURBISHMENT

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XSA,1XPM,1XE,		2,2,2,2	
Dismantle in Workshop	1XA,2XGW, 1XSO		4,4,4	
Rough blast and clean pump and piping	2XGW		3	
Inspect	1XT,1XSA,1xQC		1,1,1	
Report	1XSA		1	
Final blast to Sa3	1XSA,1XSS		1,3	
Coat internally (epoxy-minimum DFT of 400µm)	1XSO,1XSS		2,2	
Replace shaft and impeller with new Stainless Steel shaft	1XSA,1XGW		1,1	
Replace impeller with new Stainless Steel impeller	1XSA,1XGW		1,1	
Replace all brass sleeves with new brass sleeves	1XSA,1XGW		1,1	
Balancing of assembled impeller plus test reports	1XT,1XSA		2,2	
Replace existing wearing rings with two new Brass wearing rings (include new brass bolts)	1XSA,1XGW		1,1	
Replace packing	1XSA,1XGW		1,1	
Fit parts and reassemble pump	1XSA,1XGW		2,2	
Coat pump externally to existing colour code to minimum DFT of 300µm (epoxy and recoatable polyurethane)	1XSA,1XSS		2,6	
Supply test report	1XSA,1XQC		2,2	
Test run	1XT,1XGW		2,2	
Commission	1XT,1XSA,1XPM		3,3,3	
Travelling time for one (1) site visit	1XPA,2XGW,1XSO		6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.2 SUBMERSIBLE PUMP REFURBISHMENT
(CENTRIFUGAL, SUBMERSIBLE PUMP 3,6kW) ½ Ton

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XSA,1XPM		2,2,2	
Dismantle in Workshop	1XPA,2XGW, 1XSO		4,4,4	
Rough blast and clean pump and piping	2XGW		3	
Inspect	1XT,1XSA		1	
Report	1XSA		1	
Final blast to Sa3	1XSA,1XSS		1,3	
Coat internally (epoxy-minimum DFT of 400µm)	1XSA,1XSS		2,6	
Replace shaft and impeller with new Stainless Steel shaft	1XSA,1XGW		1,1	
Replace impeller with new Stainless Steel impeller	1XSA,1XGW		1,1	
Replace all brass sleeves with new brass sleeves	1XSA,1XGW		1,1	
Balancing of assembled impeller plus test reports	1XT,1XSA		2,2	
Replace existing wearing rings with two new Brass wearing rings (include new brass bolts)	1XSA,1XGW		1,1	
Replace packing	1XSA,1XGW		1,1	
Fit parts and reassemble pump	1XSA,1XGW		2,2	
Coat pump externally to existing colour code to minimum DFT of 300µm (epoxy and recoatable polyurethane)	1XSA,1XSS		2,6	
Supply test report	1XSA,1XQC		2	
Test run	1XT,1XGW		2,2	
Commission	1XT,1XSA,1XPM		3,3,3	
Travelling time for one (1) site visit	1XPA,2XGW, 1XSO		6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.3 BOOSTER PUMP REFURBISHMENT
(CENTRIFUGAL, PUMP, 30kW) ¼ Ton

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XPM,1XSS		2,2,2	
Dismantle in Workshop	1XPA,2XGW, 1XSO		6,6,6	
Rough blast and clean pump and piping	2XGW		4	
Inspect	1XSA, 1XQC		2,2	
Report	1XPM, 1XSA		1,2	
Final blast to Sa3	1XSA,1XSS		1,4	
Coat internally (epoxy-minimum DFT of 400µm)	1XSA,1XSS		2,6	
Replace shaft and impeller with new Stainless Steel shaft impeller	1XSA,1XGW		2,2	
Replace all brass sleeves with new brass sleeves	1XSA,1XGW		1,1	
Balancing of assembled impeller plus test reports	1XSA,1XGW		2,2	
Replace existing wearing rings with two new Brass wearing rings (include new brass bolts)	1XSA,1XGW		4,4	
Replace packing, fit parts and reassemble pump	1XSA,1XGW		3,3	
Coat pump externally to existing colour code to minimum DFT of 300µm (epoxy and recoatable polyurethane)	1XSA,1XSS		1,6	
Supply test report	1XSS		1	
Install and couple pump	1XSA,2XGW		5,5	
Align with laser	1XSA,1XGW		1,1	
Test run	1XSA,1XE		3	
Commission	1XT,1XPM,1XSS		6,6,6	
Travelling time for one (1) site visit	1XPA,2XGW, 1XSO		6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.4 ELECTRICAL MOTOR REFURBISHMENT

(SQUIRREL CAGE, INDUCTION MOTOR, 300kW, STAR-DELTA, 1500RPM, 50Hz) 2 Ton

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM,1XSA		5,5	
Dismantle in workshop	1XSA,1XGW, 1XSO		2,2,2	
Clean	1XGW		6	
Inspect	1XT,1XSS		2,2	
Report	1XSA		1	
Rewind stator	1XSA,1XSS		24,24	
Check motor heaters	1XSA,1XSS		1,1	
Bearing RTD's & thermistors	1XSA,1XSS		1,1	
Replace bearings (DE & NDE)	1XSA,1XSS		2,2	
Re-balance rotor shaft	1XSA,1XSS		4,4	
Check shaft extension run-out	1XSA,1XSS		1,1	
Assemble	1XSA,1XSS		1,1	
Performance test	1XSA,1XSS		3,3	
Routine test (no-load & short circuit)	1XSA,1XSS		1,1	
Megger test	1XSA,1XSS		1,1	
Check winding resistance	1XSA,1XSS		1,1	
Corrosion Protect	1XSA,1XSS		16,16	
Test reports before & after	1XSA		1	
Laser align	1XSA,1XSS		3,3	
Commission	1XPM,1XT, 1XSS		2,2,2	
Travelling time for one (1) site visit	1XPA,2XGW, 1XSO		6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.5 SWITCHGEAR REPAIR AND REFURBISHMENT

Complete Price Schedule for work to be done on switchgear.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Cleaning of all switchboard units (internal & external)	1XSS		6	
Checking of all terminations	1XSA,1XSS		2, 2	
Tightening all loose contacts	1XSA,1XSS, 1XSWT		3,3,3	
Testing of all relevant instrumentation, contactors, relays, etc.	1XSA, 1XSWT		2,2	
Detailed report for each individual switchgear unit	1xE,1XSA		4,4	
Travelling time for one (1) site visit	1XPM,2XSS, 1XSA		6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.6 TRANSFORMER

Complete Price Schedule for work to be done on transformer.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Check Transformer cooling \ Insulation Oil	1XA,1XSS		1,1	
External Transformer Surfaces - Check for weathering	1XA,1XSS		1,1	
Control and Auxiliary wiring - check for loose \ hot connections	1XA,1XSS		2,2	
Travelling time for one (1) site visit	1XA,1XSS		6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.7 UPS

Complete Price Schedule for work to be done on transformer.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Switch the UPS off (See Operating Procedures)	1XSA		1	
Ensure that the ventilation slots are not obstructed.	1XSA		1	
Check that the machine is not coated in excessive dust. If so, then remove the side panels and blow the unit out with dry compressed air.	1XSA,1SS		1,1	
Check that the Input, output and RAP cables are securely terminated and that the cable insulation is still in good condition.	1XSA		1	
Securely fasten all side panel and cover plates	1XSA,1XSS		1,1	
Switch the UPS on (See operating procedures)	1XSA		1	
Fail the mains supply to the UPS by tripping CB rectifier circuit Breaker on the UPS.	1XSA		1	
Check the following: NORMAL LED - ON MAINS OFF LED - ON HOOTER - ON (After approximately 20 seconds)	1XSA		1	
Reset CB on the UPS and cancel the hooter. All of the above alarms should be repeated on the remote alarm panel	1XSA		1	
Check the digital metering for the following approximate values: BATTERY VOLTAGE = 216 VCD 8KVA = 297 VCD 10KVA INVERTER VOLTAGE = 220 V, 230 V, 240 V OUTPUT CURENT =Within system specifications	1XSA		1	
Travelling time for one (1) site visit	1XSA,1XSS		6,6	
TOTAL LABOR COSTS (excl. VAT)				

13.8 BATTERY

Complete Price Schedule for work to be done on Battery.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Isolate Battery from UPS by Opening CB on the UPS	1XSS		1	
Remove the Battery cabinet side panels	1XSS		1	
Remove excessive dust and dirt from Batteries	1XSS		1	
Check all Battery interconnections for tightness and corrosion. Repair if necessary.	1XSS		1	
Check the main Battery cable connections to the UPS.	1XSS		1	
Ensure that Batteries and trays are properly secured where applicable.	1XSS		1	
Replace and secure all cabinet side panels.	1XSS		1	
Travelling time for one (1) site visit	1XSS		6	
TOTAL LABOUR COSTS (excl. VAT)				

13.9 FLOW METER

Complete Price Schedule for work to be done on Flow Meter.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Confirm that mounting terminations of the sensor are secure	1XT		1	
Confirm that fault indication is OK	1XT		1	
Check that the output is displayed on the indicator	1XT		1	
Do a visual inspection for any signs of swelling or burn marks on the surge protection unit.	1XT		1	
Measure the internal line resistance which should be approximately one Ohm.	1XT		1	
Confirm that all installation cables are undamaged and secure	1XT,1XSS		1,1	
Overall visual inspection on all LCD displays and counter	1XT		1	
Overall visual inspection to ensure that the power LED on current isolator and power supply is ON.	1XT		1	
Check and verify the testing of parameters.	1XT,1XSS		1,1	
Travelling time for one (1) site visit	1XT,1XSS		6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.10 NETWORK PANEL

Complete Price Schedule for work to be done on Network Panel.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Check for loose connections	1XT		1	
Clean accumulated dust from unit	1XGW		1	
Check connections between power supply and network switch	1T,1XGW		1,1	
Check connections between power supply and 48 V DC UPS	1XT		1	
Check that all devices are powered, usually indicated with a power LED or it can be seen that these items are physically powered i.e. the display is working, lights are flashing etc.	1XT		1	
Check that the GPRS modules are displaying "GPRS offline", this indicates that these items have been registered on the GPRS network and are awaiting transmission requests.	1XT		1	
Check the communication LEDs on the Managed Network Switch which indicates network traffic between the PLC and GPRS modules and the rest of the network.	1XT		1	
Check the communication LEDs on the telephones which indicates it is registered on the network and is able to communicate with the rest of the network telephones.	1XT		1	
Check that IP telephones are operational.	1XT		1	
Travelling time for one (1) site visit	1XT,1XGW		6,6	
TOTAL LABOUR COCTS (excl. VAT)				

13.11 NETWORK PCs

Complete Price Schedule for work to be done on Network PCs.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Clean accumulated dust from unit	1XT		1	
Ensure that the PC is operating as it should	1XT		1	
Check that all devices are powered, usually indicated with a power LED or it can be seen that these items are physically powered i.e. the display is working, lights are flashing etc..	1XT		1	
Check that the GPRS modules are displaying "GPRS offline", this indicates that these items have been registered on the GPRS network and are awaiting transmission requests.	1XT		1	
Check the communication LEDs on the Managed Network Switch which indicates network traffic between the PLC and GPRS modules and the rest of the network.	1XT		1	
Check the LEDs of the 48 V DC UPS.	1XT		1	
Check the communication LEDs on the telephones which indicates it is registered on the network and is able to communicate with the rest of the network telephones.	1XT			
Check that IP telephones are operational.	1XT		1	
Travelling time for one (1) site visit	1XT		6	
TOTAL LABOUR COSTS (excl. VAT)				

13.12 PLC

Complete Price Schedule for work to be done on PLCs.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Clean out PLC cabinet	1XT,1XGW		1,1	
Check Panel lighting	1XT		1	
Tighten all terminal screws	1XT,1XGW		1,1	
Check for loose connections	1XT		1	
Check all fuse terminals for blown fuses	1XT		1	
Confirm battery health of PLC battery	1XT		1	
Clean accumulated dust from GPRS unit	1XGW		1	
Confirm GSM network connection status	1XT		1	
Check that all devices are powered, usually indicated with a power LED or it can be seen that these items are physically powered i.e. the display is working, lights are flashing etc.	1XT		1	
Check that the GPRS modules are displaying "GPRS offline", this indicates that these items have been registered on the GPRS network and are awaiting transmission requests.	1XT		1	
Check the communication LEDs on the Managed Network Switch which indicates network traffic between the PLC and GPRS modules and the rest of the network.	1XT		1	
Check the LEDs of the 48 V DC UPS.	1XT		1	
Check the communication LEDs on the telephones which indicates it is registered on the network and is able to communicate with the rest of the network telephones.	1XT		1	
Check that IP telephones are operational.	1XT		1	
Travelling time for one (1) site visit	1XT,1XGW		6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.13 SCADA PCs

Complete Price Schedule for work to be done on SCADA PCs.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Clean accumulated dust from unit	1XE		1	
Restart the PCs.	1XE		1	
Ensure that the PC is operating as it should	1XE		1	
Check that the applications "HSLogix" and "WebLogix" are running on the SCADA Server PC.	1XE		1	
Print a test page to check if the printer is functioning as it should	1XE		1	
Travelling time for one (1) site visit	1XE		6	
TOTAL LABOUR COSTS (excl. VAT)				

13.14 INSTRUMENTS

Complete Price Schedule for work to be done on SCADA PCs.

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Temperature Sensors, Testing & Callibrating	1XT,1XSS		1,1	
Vibration Sensors, Testing & Callibrating	1XT,1XSS		1,1	
Pressure Sensors, Testing & Callibrating	1XT,1XSS		1,1	
Pressure Switch, Testing & Callibrating	1XT,1XSS		1,1	
Counters, Testing & Callibrating	1XT,1XSS		1,1	
Flow Transmitters, Testing & Callibrating	1XT,1XSS		1,1	
Limit switches, Testing & Callibrating	1XT,1XSS		1,1	
Digital Indicators, Testing & Callibrating	1XT,1XSS		1,1	
Surge Protection, checking	1XT,1XSS		1,1	
Travelling time for one (1) site visit	1XT,1XSS		6,6	
TOTAL LABOUR COSTS (excl. VAT)				

13.15 PRICE SCHEDULES 2 SUMMARY

	Component	Price
13.1	VERTICAL SPLIT PUMP REFURBISHMENT	
13.2	SUBMERSIBLE PUMP REFURBISHMENT	
13.3	BOOSTER PUMP REFURBISHMENT	
13.4	ELECTRICAL MOTOR REFURBISHMENT	
13.5	SWITCHGEAR REPAIR AND REFURBISHMENT	
13.6	TRANSFORMER	
13.7	UPS	
13.8	BATTERY	
13.9	FLOW METER	
13.10	NETWORK PANEL	
13.11	NETWORK PCs	
13.12	PLC	
13.13	SCADA PCs	
13.14	INSTRUMENTS	
	Total (excl. VAT)	

***Note: The Total Price Schedule 2 (excluding Value Added Tax) must also be included in the "BID PRICE SCHEDULE SUMMARY"**

The price schedules must be completed in full by the bidder (each line item to be completed). Complete Price Schedules for work to be done. Failure to complete the price schedules in full may render your bid non responsive.

NAME OF BIDDER: _____ COMPANY NAME: _____

SIGNATURE OF BIDDER: _____

DATE: _____

14. PRICE SCHEDULE 3

The price schedules must be completed in full by the bidder (each line item to be completed). Complete Price Schedules for work to be done. Failure to complete the price schedules in full may render your bid non responsive.

14.1 SPHERICAL VALVE

(DN 2200, 10 Bar, with hydraulic cylinder and power pack) 15 Ton

The price schedules must be completed in full by the bidder. Complete Price Schedules for work to be done on one Valve. Failure to complete the price schedules may render your bid non responsive.

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOUR S	TOTAL
Inspection of equipment	1XPM,1XT,1XSA		4,4,4	
Dismantle	1XSA,2XGW		12,12	
Blast	1XSS, 1XSA		6, 2	
Clean	1XGW		3	
Inspection	1XT,1XSS,1XSA		2,2,4	
Report	1XQC, 1XT, 1XSO		3,2,3	
Re – blast	1XSA,1XSS		6,16	
Coat (Epoxy)	1XSA,1XSS		3,18	
Reassemble	1XSA, 2XGW		16,16	
Pressure Test	1XE,1XSA,2XGW		1,4,4	
Pressure test certificate	1XE, 1XQC		1, 2	
Inspection	1XT,1XQC		4,4	
Strip Hydraulic cylinder	1XSA,1XGW, 1XT		2,4,4	
Replace seals	1XSA,1XGW		2,4	
Assemble hydraulic cylinder	1XSA,1XGW		2,4	
Test cylinder	1XSA, 1XT, 1XE		3,3,3	
Quality Control inspection	1XQC			
Installation	1E,1XSA,4XGW		12, 12, 12	
Commission	1XPM,1XT,1XSA		5,5,5	
Travelling time for one (1) site visit	1XPM,2XGW, 1XSO, 1XE		6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

14.2 GATE VALVE
(DN 500, MANUALLY OPERATED) ½ Ton

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XSA,1XPM		2,2,2	
Dismantle in workshop	1XSA		5	
Clean	2XGW, 1XSS		2,2	
Inspect	1XT,1XSS, 1XQC		1,1	
Report	1XS, 1XQC		0.5	
Reassemble	1XSA		5	
Reset limits/calibrate	1XS,1XSS, 1XE		1,1	
Coat (Epoxy)	1XSS		1	
Test certificate	1XSO, 1XQC		1,2	
Installation	1E,1XSA,2XGW		12,12,12	
Commission	1XPM,1XT,1XSA		5,5,5	
Travelling time for one (1) site visit	1XPM,2XGW, 1XSO, 1XE		6,6,6,6	
TOTAL LABOUR COSTS (EXCL. VAT)				

14.3 NEEDLE VALVE

(DN 800/700, 25 Bar, with hydraulic damping system gearbox and electric actuator)

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM,1XT,1XSA		4,4,4	
Dismantle	1XA, 2XGW		5;15	
Rough blast and clean	1XSS, 1XGW		5;3	
Inspect	1XS, 1XA, 1XQC		2;4;2	
Report, prepare quality control plans, finalising scope of work	1XPM, 1XSO, 1XQC		3;3;3	
Pressure test body	1XE,1XSA, 2XGW		1;2;2	
Fettling to specification	2XSS		16	
Final blast to SA 3	1XA,1XSS		6;16	
Coat (Epoxy minimum DFT of 400µm internally and epoxy 250µm & polyurethane 40µm)	1XA,1XSS		2;16	
Polish of plunger	1XA, 1XGW		5;1	
Manufacture of crank and connecting rod bushes	1XA		2	
Reassemble	1XA, 2XGW		10;15	
Pressure test	1XE,1XSA, 2XGW		1;4;4	
Pressure test certificate	1XSO, 1XQC		1,1	
Testing and Commission	1XSA, 1XE, 1XSO		5;5;5	
Report and submit completed quality control sheets	1XPM, 1XQC		2	
Installation	1E,1XSA,2XGW		12, 12, 12	
Commission	1XPM,1XT,1XSA		5,5,5	
Travelling time for one (1) site visit	1XPM,2XGW, 1XSO, 1XE		6,6,6,6	
TOTAL(excl. VAT)				

14.4 BUTTERFLY VALVE

(DN 900, ELECTRICAL OPERATED) 3 Ton

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XT,1XSA,1XPM		4,4,4	
Dismantle	1XSA,2XGW		9,9	
Blast	1XSS		4	
Clean	1XGW, 1XA		3,2	
Inspect	1XQC,1XSA		2,2	
Report	1XSO, 1XQC		1, 2	
Re – blast	1XA,1XSS		4,12	
Coat (Epoxy)	1XA,1XSS, 1XQC		2,14	
Reassemble	1XSA,2XGW		12,12	
Pressure Test	1XE,1XSA,2XGW		1,4,4	
Pressure test certificate	1XSO, 1XQC		1, 3	
Installation	1E,1XSA,2XGW		12, 12, 12	
Commission	1XPM,1XT,1XSA		5,5,5	
Travelling time for one (1) site visit	1XPM,2XGW, 1XSO, 1XE		6,6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

14.5 SLEEVE VALVE

(DN 610, hydraulic operated with) 1½ Ton

LABOUR COSTS

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOUR S	TOTAL
Inspection of equipment	1XT,1XSA,1XPM		4,4,4	
Dismantle	1XSA,2XGW		6,6	
Blast	1XSS		4	
Clean	1XGW, 1XA		3,2	
Inspect	1XQC,1XSA		2,2	
Report	1XSO, 1XQC		1, 2	
Re – blast	1XA,1XSS		4,8	
Coat (Epoxy)	1XA,1XSS, 1XQC		2,14	
Reassemble	1XSA,2XGW		8,8	
Pressure Test	1XE,1XSA,2XGW		1,4,4	
Pressure test certificate	1XSO, 1XQC		1, 3	
Installation	1E,1XSA,2XGW		8,8,10	
Commission	1XPM,1XT,1XSA		5,5,5	
Travelling time for one (1) site visit	1XPM,2XGW, 1XSO, 1XE		6,6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

14.6 ELECTRICAL ACTUATOR

(200-9000Nm, SA100E, 180l/min) ½ Ton

LABOUR COSTS:

SCOPE OF WORK	SPECIFY LEVEL OF MANPOWER	RATE	NO OF HOURS	TOTAL
Inspection of equipment	1XPM,1XSA, 1XE		5,5,3	
Dismantle in workshop	1XSA,2XGW		2,2	
Clean	2XGW		16	
Inspect	1XT,1XE,		1,1	
Report	1XSA		1	
Repair	1XSA,1XGW		2,2	
Corrosion Protection	1XSA,1XSS, 1XQC		4,4,2	
Reassemble	1XSA,1XSS		2,2	
Reconnect wiring	1XSA,1XSWT		2,2	
Reset limits/calibrate	1XSA,1XSWT		2,2	
Test	1XSA, 1XE, 1XSO		2,2,2	
Test certificate	1XSO, 1XQC		1,2	
Installation	1XT,1XSA,2XG W		12, 12, 12	
Commission	1XPM,1XT,1XS A, 1XE		5,5,5,5	
Travelling time for one (1) site visit	1XPM,2XGW, 1XSO		6,6,6	
TOTAL LABOUR COSTS (excl. VAT)				

14.7 PRICE SCHEDULES 3 SUMMARY

	Component	Price
14.1	SPHERICAL VALVE	
14.2	GATE VALVE	
14.3	NEEDLE VALVE	
14.4	BUTTERFLY VALVE	
14.5	SLEEVE VALVE	
14.6	ELECTRICAL ACTUATOR	
	Total (excl. VAT)	

***Note: The Total Price Schedule 3 (excluding Value Added Tax) must also be included in the "BID PRICE SCHEDULE SUMMARY"**

The price schedules must be completed in full by the bidder (each line item to be completed). Complete Price Schedules for work to be done. Failure to complete the price schedules in full may render your bid non responsive.

NAME OF BIDDER: _____ COMPANY NAME: _____

SIGNATURE OF BIDDER: _____

DATE: _____

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

BID DWS 04-1117 WTE

EVALUATION CRITERIA

**MECHANICAL AND OTHER RELATED MAJOR PLANT
AND MACHINERY INSTALLATION, MAINTENANCE,
REPAIR, REFURBISHMENT AND UPGRADE FOR
NORTHERN, CENTRAL, EASTERN AND SOUTHERN
OPERATIONS**

**(Limpopo, Mpumalanga, North-West, Gauteng,
Free State, Northern Cape, Kwa-Zulu Natal & Western
Cape)**

EVALUATION CRITERIA

The 90/10 preference points system as prescribed in the Preferential Procurement Regulations, 2017 Pertaining to the Preferential Procurement Policy Framework Act, (ACT NO 5 OF 2000) (PPPFA) will be applied to evaluate this bid. The lowest acceptable bid will score 90points for price and a maximum of 10points will be awarded for attaining the Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution. Bids received will be evaluated on the six (6) phases namely **Pre-qualification, Mandatory Requirements, Local Production and Content, Functionality Compliance, Due-diligence and Price and Preference.**

Administrative Compliance

Bidders are required to comply with the following listed below:-

- Tax compliant with SARS (To be verified by CSD and SARS).
- Completion, signing and submission of SBD forms with the bid documents (SBD1, SBD 3.2, SBD4, SBD6.1, SBD 6.2, SBD8 and SBD9).
- Company shall submit registration certificate issued by Companies and Intellectual Property Commission (CIPC), to be verified by CSD.

Phase 1: Pre-Qualification: Subcontracting

- Bidders must submit a list and contact information of subcontractors to be subcontracted (as and when required) in order to meet the 30% minimum subcontracting requirement. The subcontractors shall be EMEs or QSEs that are 51% owned by the following enterprises: Failure to subcontract will render your bid disqualified and not considered for phase 2 evaluation.

		Tick which type of enterprise is subcontracted	
	Enterprises	QSE	EME
1.	Black people		
2.	Black people who are youth		
3.	Black people who are women		
4.	Black people with disabilities		
5.	Black people living in rural or underdeveloped areas or townships		
6.	Cooperatives which are 51% owned by Black people		
7.	Black people who are military veterans		

It is required that bidders select sub-contractors from the CIDB database who are registered on the Central Supplier Database for the purposes of compliance with the minimum 30% sub-contracting provisions.

Phase 2: Mandatory Requirements.

Failure to submit any of the documents listed below will render your bid non-responsive and will be disqualified and not considered for phase 3 evaluation.

- Active registration and grading with the Construction Industry Development Board at CIDB 9 ME.
- Letter of Good Standing from Compensation Commissioner (COID) or Compensation Insurer.
- Letter of Good Standing from Department of Labour (UIF).
- Notary Joint Venture Agreement / Association Agreement (if applicable)
- The service provider (and in the case of a consortium or joint venture – at least one member of such consortium or joint venture) should submit a notary agreement between the parties and clearly identify the lead partner
- Project Team CV's and Qualifications (lead project team and technical staff only). (Summarized CV template to be used)
- Track Record & Experience (schedule of similar work and value), with contactable references. In addition, reference letter from at least three (3) previous clients of similar work should be attached.
- Bidders shall submit subcontracting agreements between the main contractor and the subcontractor with this bid
- Complete Technical Schedules
- Complete all Price Schedules
- Attendance of Compulsory Briefing Session

Phase 3: Local Content and Production Evaluation

1. Bids will be evaluated in terms of the stipulated minimum thresholds for local content stipulated in bid documents.

Bidders who fail to meet the minimum threshold for each listed designated group items shall be disqualified and not considered for phase 4 evaluation.

COMPLIANCE FORMS (LOCAL CONTENT) SUBMITTED BY THE TENDERER

1. The declaration made by the bidder in the Declaration Certificate for Local Content (SBD 6.2) and Annex C (Local Content Declaration: Summary Schedule must be used for this purpose.
2. Only the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 must be used to calculate local content.
3. Only bids that achieved the minimum threshold for local content and production will be evaluated further in terms of preference points system prescribed in the Preferential Procurement Regulations, 2017.
4. The following must be completed in full by the bidder:
 - 4.1 SBD 6.2 (Declaration Certificate for Local Content)
 - 4.2 Annex C: Local Content Declaration (Summary Schedule)
 - 4.3 Annex D: Imported Content Declaration (Supporting Schedule to Annex C)
 - 4.4 Annex E: Local Content Declaration (Supporting Schedule to Annex C)
5. SATS 1286:2011, Local Content Declaration Templates (Annexure C, D & E) and the Guidance Document for the Calculation of Local Content are accessible to all potential bidders on the DTI official website (<http://www.dti.gov.za/>) at no cost.
6. Refer to SBD 6.2 and Declaration forms for Local Content (Annexure C, D & E) must be completed (with the bidder's local content percentages for the specified items in the bid), duly signed and submitted by the bidder at the closing date and time of the bid.

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VALVES

	DESCRIPTION OF ITEM				MINIMUM THRESHOLD	BIDDER'S SCORE
	Types of Valves	Pressure type	Size	Pressure Rating (or imperial equivalent)	% Local Content per unit	
1.	Check valves (Non-Return valves, Reflux valves, Tilting Disk valves, Double Door, Multi Door, Swing Check)	Low pressure	80mm – 3500mm	PN6-PN25	70%	
		High pressure	80mm – 2500mm	Class 150-1500 Metric PN25-PN250	70%	
2.	Butterfly Valves (Rotating Disk valves, Rotary Control valve, Quarter Turn Gate valve)	Low pressure	80mm – 3500mm	PN6-PN25	70%	
		High pressure	80mm – 3500mm	Class 150-1500 Metric PN25-PN250	70%	
3.	Ball Valves (Spherical valves, Rotary valves)	Low pressure	20mm-300mm	PN10-PN25	70%	
		High pressure	20mm-600mm	Class 150-4500 Metric PN25-PN450	70%	
4.	Gate Valves (RSVs, Wedge Gates, Sluice valves, Parallel Slides, Penstocks, Bonnet Gates, Scour valves)	Low pressure	15mm-1800mm	PN6-PN25	70%	
		High pressure	80mm-1800mm	Metric PN25-PN100	70%	
5.	Diaphragm Valves (Slurry valve or Saunders valve)	Low pressure	15mm-350mm	PN10, PN16 & PN25	70%	
6.	Knife Gate Valves	Low pressure	40mm-1200mm	PN10 & PN16	70%	
7.	Safety or Relief Valves (Pressure valve or Vacuum valve)	Low pressure	15mm-32mm	PN16	70%	
8.	Taps, Cocks	Low pressure	Full range	N/A	70%	
9.	Pneumatic Actuators – Double acting (Vein type, Linear type, Scotch Yolk type, Rotary type, Double Crank type, Rack and Pinion type)	Low pressure	~392 000nm torque	N/A	70%	
10.	Pneumatic Actuators – spring return (Vein type, Linear type, Scotch Yolk type, Rotary type, Double Crank type, Rack and Pinion type)	Low pressure	~215 000nm torque	N/A	70%	
11.	Manual Actuators (Gearboxes)	Low pressure	~200 000nm torque	N/A	70%	
12.	Fire Hydrants (Underground) Fire Deluge valve	Low pressure	65mm inlet	PN16	70%	
13.	Pressure Reducing Valve (PRV) (Self-Regulating valve)	Low pressure	Full range	Full range	70%	

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14.	Plug valves (excluding expanding plug valves) (Double Block & Bleed valve)	Low pressure	20-600mm	PN10-PN26	70%	
		High pressure	20-600mm	PN25-PN100		
15.	Control Valve (Globe Control valve, Piston Type Control valve)	Low pressure	25-600mm	PN10-PN25	70%	
		High pressure	25-600mm	Class 150-4500 Metric PN25-PN750		
16.	Air Valve (Vacuum release valve)	Low pressure	50-300mm	PN10-PN25		
		High pressure	50-300mm	PN25-PN40		
17.	Pinch valve (slurry valve)	Low pressure	50-800mm	PN10-PN40		
18.	Disc Valve	Low pressure	50-800mm	PN10-PN16		
19.	Sleeve Valve (Fixed Cone valves, Discharge valves, Scour valves, Howell Bungers valves, Energy Dissipating valve)	Low pressure	Full range	PN10-PN25		

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ELECTRICAL CABLES

	ELECTRICAL CABLE PRODUCTS		STIPULATED MINIMUM THRESHOLD	BIDDER'S SCORE
	CATEGORY	TYPE		
1.	Low Voltage	Housewire, Flat Twin and Earth, Surface Cable, Rip Cord, Cab Tyre, Bells Cable, 1,5mm ² – 16mm ² 2-37 cores, Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH) Main Cable 25mm ² – 100mm ² , 1-4 cores, Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH), Flexible Cables, Aerial Cables, ACSR, Split Concentric & Aerial Bundled Conductor (ABC).	90%	
2.	Medium Voltage	3,3KV – 22KV, 1-3cores, Cross linked Polyethylene (XLPE) and Paper Insulated Lead Covered (PILC), Fire Retardant, Low Halogen and Low Smoke Zero Halogen (LSOH).	90%	
3.	High Voltage	132KV, Single Core, Corrugated Seamless Aluminium (CSA) Sheathed	90%	
4.	Copper Telecommunication Cables	Standard and high frequency (ADSL) outside plant copper pair telecoms cables (10 pair up to 240 pair), Indoor, PABX and high frequency (DSLAM) copper pair telecoms cables up to 200 pair, Category 6 copper data cables.	90%	
5.	Copper Industrial Cables	Railway signaling copper cables, Electrical signaling copper cables, Steel wire armoured copper telecoms cables, UVG copper control cables for electrical utilities, Fire Alarm and control copper cables.	90%	
6.	Copper Instrumentation Cables	Thermocouple extension wire, Tray and direct buried instrumentation and control copper cables compliant to SABS, UL and BS standards accreditation.	90%	
7.	Fibre Optic Telecommunication Cables	Outside plant duct fibre optic cables up to 288 Fibre count, Aerial (short span, medium span and long span) self-support fibre optic cables up to 144 fibre count applications up to 144 fibre count	90%	
8.	Fibre Optic Industrial Cables	Metallic armoured instrumentation and control fibre optic cables, Steel wire armoured mineshaft fibre optic cables, field deployable high durability fibre optic cables, Composite (fibre optic and copper core) cables.	90%	

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TRANSFORMERS

	TRANSFORMERS (classes)	Power Rating, MVA (Range)	Voltage Rating, kV (Range)	% Local Content threshold			BIDDER'S SCORE
				From the effective date	01/01/2018	01/01/2020	
1.	Class 0	0.001 to 1	220V to 22	90%			
2.	Class 1	1.25 to 160	11 to 132	70%	80%		
3.	Class 2	40 to 315	220 to 275	70%	80%		
4.	Class 3A	360 to 500	220 to 275	45%	60%	80%	
5.	Class 3B	40 to 1000	320 to 400				
6.	Class 4	40 to 2000	>420 to 800	10%	20%	20%	

7.	Components and Manufacturing processes for Class 0	%Local content from the Effective Date	BIDDER'S SCORE
a)	Fabrication ¹ of the tank and parts	100%	
b)	Fabrication of the core ²	100%	
c)	Manufacture ³ of windings and assembly	100%	
d)	Manufacture of bushings	100%	
e)	Off-circuit tap switch	100%	
f)	Oil (i.e. blending, processing and handling)	100%	
g)	<u>Accessories Category A:</u> Radiators Fans Kiosks Oil conservator Breather canisters	100%	
h)	<u>Accessories Category B:</u> Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)	
i)	Assembly and Testing	100%	

¹ Fabrication of the tank includes cutting, welding, sand-blasting and painting processes

² Fabrication of the core includes sizing, slitting, cutting, stacking and clamping processes.

³ Manufacture of windings includes rolling, sizing and insulation

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8.	Components and Manufacturing processes for Class 1	%Local Content		BIDDER'S SCORE
		from the Effective Date	From 01/01/2018	
a)	Fabrication of the tank and parts	100%	100%	
b)	Fabrication of the core	100%	100%	
c)	Manufacture of windings and assembly	50%	100% (Conductors localised)	
d)	Oil (i.e. blending, processing and handling)	100%	100%	
e)	Accessories Category A: Radiators Fans Kiosks Oil conservator Breather canisters	100%	100%	
f)	Accessories Category B: Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)		
g)	Assembly and Testing	100%	100%	

9.	Components and Manufacturing processes for Class 2	%Local Content		Bidder's Score
		from the Effective Date	From 01/01/2018	
a)	Fabrication of the tank and parts	100%	100%	
b)	Fabrication of the core	100%	100%	
c)	Manufacture of windings and assembly	50%	100% (Conductors localised)	
d)	Oil (i.e. blending, processing and handling)	100%	100%	
e)	Accessories Category A: Radiators Fans Kiosks Oil conservator Breather canisters	100%	100%	
f)	Accessories Category B: Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)		
g)	Assembly and Testing	100%	100%	

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10.	Components and Manufacturing processes for Class 3	%Local Content			Bidder's Score
		from the Effective Date	From 01/01/2018	From 01/01/2020	
a)	Fabrication of the tank and parts	100%	100%	100%	
b)	Fabrication of the core	-	-	100%	
c)	Windings processes		40% Winding conductors localised	100% Manufacture of windings and assembly inclusive of conductors localised	
d)	Oil (i.e. blending, processing and handling)	100%	100%	100%	
e)	<u>Accessories Category A:</u> Radiators Fans Kiosks Oil conservator Breather canisters	100%	100%	100%	
f)	<u>Accessories Category B:</u> Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)			
g)	Assembly and Testing	100%	100%	100%	

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11.	Components and Manufacturing processes for Class 4	%Local Content			Bidder's Score
		from the Effective Date	From 01/01/2018	From 01/01/2020	
a)	Winding Conductor	-	100%	100%	
b)	Oil (i.e. blending, processing and handling)	100%	100%	100%	
c)	<u>Accessories Category A:</u> Radiators Fans Kiosks Oil conservator Breather canisters	100%	100%	100%	
d)	<u>Accessories Category B:</u> Valves Cables	70% (by the valves instruction) 90% (by the cables instruction)			

12.	SHUNT REACTORS (classes)	Reactive Power Rating, MVar (Range)	Voltage Rating, kV (Range)	% Local Content threshold			Bidder's Score
				From the effective date	01/01/2018	01/01/2020	
a)	Class 1	<= 80 MVar	11kV to 132kV	70%	80%		
b)	Class 2	>80 MVar	132kV to 275kV	70%	80%		
c)	Class 3	100MVar – 250 MVar	>275kV – 420kV	45%	60%	80%	
d)	Class 4	>100MVar	>420kV – 765kV	10%	20%	20%	

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RADIO

RADIO TERMINAL	Components and manufacturing processes against which the overall local content must be discharged		Bidder's Score
	Components and manufacturing processes	% local content from 04/2017	
1. Portable radio	Controls	100%	
	Display	20%	
	Interfaces	40%	
	Data Module	50%	
	Radio Module	50%	
	RF Amplifier	100%	
	Antenna	100%	
	Battery	30%	
	Charger	50%	
	Assembly and testing of the fully-built unit	100%	
	Position Module	30%	
	Power Supply	70%	
	Connectors	25%	
	Enclosure	90%	
	Embedded Custom Software	90%	
	Software Libraries	-	
	Total minimum local content (per unit)	60%	

RADIO TERMINAL	Components and manufacturing processes against which the overall local content must be discharged		Bidder's Score
	Components and manufacturing processes	% local content from 04/2017	
2. Mobile radio	Controls	100%	
	Display	20%	
	Interfaces	40%	
	Data Module	70%	
	Radio Module	70%	
	RF Amplifier	70%	
	Antenna	100%	
	Battery	25%	
	Charger	70%	
	Assembly and testing of the fully-built unit	100%	
	Position Module	50%	
	Power Supply	50%	
	Connectors	25%	
	Enclosure	90%	
	Embedded Custom Software	90%	
	Software Libraries	-	
	Total minimum local content (per unit)	60%	

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RADIO TERMINAL	Components and manufacturing processes against which the overall local content must be discharged		Bidder's Score
	Components and manufacturing processes	% local content from 04/2017	
3. Repeater	Controls	100%	
	Display	20%	
	Interfaces	40%	
	Data Module	70%	
	Radio Module	70%	
	RF Amplifier	70%	
	Antenna	100%	
	Battery	25%	
	Charger	30%	
	Assembly and testing of the fully-built unit	100%	
	Position Module	30%	
	Power Supply	70%	
	Connectors	25%	
	Enclosure	90%	
	Embedded Custom Software	90%	
	Software Libraries	-	
	Total minimum local content (per unit)	60%	

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PIPES, PIPE SPECIALS AND PIPE FITTINGS

	Description of Item	Minimum Threshold	Bidder's score
1.	mPVC pressure pipes in six (6) meter lengths complete with rubber seal ring joints	100%	
2.	uPVC pressure pipes in six (6) meter lengths complete with rubber ring joints	100%	
3.	uPVC Waste systems – plain pipe	100%	
4.	uPVC Waste systems	100%	
5.	uPVC soil & vent – plain pipe	100%	
6.	uPVC soil & vent – socket	100%	
7.	uPVC soil & vent – inspection pipe and bends	100%	
8.	uPVC underground	100%	
9.	uPVC underground – twin wall push fit double socket	100%	
10.	uPVC underground – socket	100%	
11.	uPVC underground – bend plain	100%	
12.	Pipe HDPE PE 63 (Type IV)	100%	
13.	Pipe HDPE PE 80 (Type V)	100%	
14.	mPVC and uPVC double LYNG sockets	100%	
15.	uPVC bends/elbows Class 16	100%	
16.	mPVC bends/elbows Class 16	100%	
17.	mPVC and uPVC double LYNG sockets	100%	
18. (a)	mPVC and uPVC double sockets	100%	
18. (b)	uPVC sockets: Joints shall be solvent weld type	100%	
19.	Hot Dip Galvanised steel pipes medium class (16 bar)	100%	
20.	Ductile Iron Pipes – Socket pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths	N/A	
21.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – Flanged pipes (no corrosion protection)	100%	
22.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – Polymer Modified Bitumen coating system external and Two (2) Pack Epoxy internal	80%	
23.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – Polymer Modified Bitumen coating system external	80%	
24.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – 3LPE pipe coating external and Two (2) Pack Epoxy internal	80%	
25.	Mild Steel Pipes in six (6), seven (7) and eight point two (8.2) meter (m) lengths – Rigid Polyurethane Coating System external and Two (2) Pack Epoxy internal	80%	
26. (a)	Stainless Steel Grade 304L – Flanged Pipes	100%	
26. (b)	Stainless Steel Grade 304L – Plain Ended Pipes	100%	
27. (a)	Stainless Steel Grade 316L – Flanged Pipes	100%	
27. (b)	Stainless Steel Grade 316L – Plain Ended Pipes	100%	
28.	Mild Steel Pipes in (9.144), (12.192) meter (m) lengths (plain ended uncoated)	100%	
29.	Hot Dip Galvanised Pipe Fittings	80%	
30.	Short Pattern Stainless Steel Ball Valves	70%	
31. (a)	Gate Valves (Clockwise Closure)	70%	
31. (b)	RSV (Resilient Seal Gate Valve)	N/A	
	(Non-Rising Stem)	70%	
31.(c)	Double Acting Air Release Valve	70%	
32.	Mild Steel Bends/Elbows Class 16 – Plain Ended – Hot Dip Galvanised	80%	

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33.	Three (3D) Pulled Bends – Plain Ended – Uncoated	100%	
34.	Scour Tees	80%	
35.	Three (3D) Pulled Bends – with Screwed Ends – with one Hot Dip Galvanised Socket per Bend	80%	
36.	Loose Rubber Seal Rings for LYING Ends	N/A	
37.	Saddles with an outlet of 25 mm	N/A	
38.	End Caps	N/A	
39.	Hydrant Tees	N/A	
40.	Scour Tees	N/A	
41.	Equal Tees: uPVC joints shall be of Solvent Weld type	100%	
42.	Reducing Tees	80%	
43.	Reducers	80%	
44.	Equal Crosses	80%	
45.	Lubricant for jointing		
46.	Brass Tap BIB 208 – Pillar Mounted – Plain Outlet	70%	
47.	Insert Nylon Fittings for use on HDPE and LDPE pipes	80%	
48.	Compression Fittings	80%	
49.	Cast Iron Flange Adapters – Ductile Iron	N/A	
50.	Straight Couplings	N/A	
51. (a)	Strap Coupling 600 KPa (6 bar) working pressure for Steel Pipes – Hot Dip Galvanised	80%	
51. (b)	Strap Coupling 1000 KPa (10 bar) working pressure for Steel Pipes – Hot Dip Galvanised	80%	
51. (c)	Strap Coupling 1600 KPa (16 bar) working pressure for Steel Pipes – Hot Dip Galvanised	80%	
52. (a)	Strap Coupling 600 KPa (6 bar) working pressure for Steel Pipes – Special Stainless Steel	80%	
52. (b)	Strap Coupling 1000 KPa (10 bar) working pressure for Steel Pipes – Special Stainless Steel	80%	
52. (c)	Strap Coupling 1600 KPa (16 bar) working pressure for Steel Pipes – Special Stainless Steel	80%	
53.	Flanges – Uncoated – Loose	100%	
54.	Flanges – Hot Dip Galvanised – Loose	80%	
55.	Internal Lining – Fusion Bond Epoxy – (Cost per meter)	N/A	
56.	External Lining – Two (2) Pack Epoxy Coated	N/A	
57.	External Lining – Rigid Polyurethane External Coating	N/A	
58.	Welding Cost per flange	100%	
59.	Additional Polyurethane Colour Paint – Top Coat – For Straight Piping	N/A	
60.	Bituguard External Tape Wrapping	N/A	
61.	Welding Cost for Circumferential or Oblique weld including 100% Radiographic Examination (Workshop)	100%	
62.	Welding Cost for repairs on site for Circumferential or Oblique welding procedures (Excluding Radiographic Examination)	100%	
63.	Ductile Iron Pipe Bends – Double Flanged Bends	N/A	
64.	Ductile Iron Pipe Bends – Double Socket Bends	N/A	
65. (a)	Standard Mild Steel Elbows (Over 45 degrees up to and including 90 degrees, 3 or 4 segments – Two Pack Epoxy 400 microns inside,	100%	
65. (b)	and Two Pack Epoxy 400 microns plus Tape Wrapping outside.	100%	
65. (c)	Standard Mild Steel Elbows (Over 22.5 degrees up to and including 45 degrees, 2 or 3 segments) – Two Pack Epoxy 400 microns	100%	
66. (a)	Standard Mild Steel Medium Radius Bends (Over 45 degrees	100%	

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	up to and including 90 degrees, 4 or 5 segments) – Two Pack Epoxy 400		
66. (b)	microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	N/A	
66. (c)	Standard Mild Steel Medium Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3 or 4 segments) – Two Pack Epoxy	100%	
67. (a)	Standard Mild Steel Long Radius Bends (Over 45 degrees up to and including 90 degrees, 5, 6 or 7 segments) – Two Pack Epoxy 400	100%	
67. (b)	microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	N/A	
67. (c)	Standard Mild Steel Long Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3, 4 or 5 segments) – Two Pack Epoxy	100%	
68.	Standard Mild Steel Duckport Elbow and Bends – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
69.	Standard Mild Steel Tees – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
70. (a)	Standard Mild Steel Sweep Tees (Long Radius) – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
70. (b)	Standard Mild Steel Sweep Tees (Medium Radius) – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
70. (c)	Standard Mild Steel Sweep Tees (Medium Radius) – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
71. (a)	Standard Mild Steel Laterals 80 degrees – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
71. (b)	Standard Mild Steel Laterals 45 degrees – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
71. (c)	Standard Mild Steel Laterals 30 degrees – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
72.	Standard Mild Steel Reducers – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
73.	Standard Mild Steel Bell Mouths – Two Pack Epoxy 400 microns inside and Two Pack Epoxy 400 microns plus Tape Wrapping outside	100%	
74. (a)	Standard Stainless Steel 304L Elbows (Over 45 degrees up to and including 90 degrees, 3 or 4 segments)	100%	
74. (b)	Standard Stainless Steel 304L Elbows (Over 22.5 degrees up to and including 45 degrees, 2 or 3 segments)	100%	
74. (c)	Standard Stainless Steel 304L Elbows (Up to and including 22.5 degrees, 2 segments)	100%	
75. (a)	Standard Stainless Steel 304L Medium Radius Bends (Over 45 degrees up to and including 90 degrees, 4 or 5 segments)	100%	
75. (b)	Standard Stainless Steel 304L Medium Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3 or 4 segments)	100%	

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75. (c)	Standard Stainless Steel 304L Medium Radius Bends (Up to and including 22.5 degrees, 2 or 3 segments)	100%	
76. (a)	Standard Stainless Steel 304L Long Radius Bends (Over 45 degrees up to and including 90 degrees, 5, 6 or 7 segments)	100%	
76. (b)	Standard Stainless Steel 304L Long Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3, 4 or 5 segments)	100%	
76. (c)	Standard Stainless Steel 304L Long Radius Bends (Up to and including 22.5 degrees, 2 or 3 segments)	100%	
77.	Standard Stainless Steel 304L Duckpoort Elbow and Bends	100%	
78.	Standard Stainless Steel 304L Tees	100%	
79. (a)	Standard Stainless Steel 304 L Sweep Tees (Long Radius)	100%	
79. (b)	Standard Stainless Steel 304L Sweep Tees (Medium Radius)	100%	
79. (c)	Standard Stainless Steel 304L Sweep Tees (Elbows)	100%	
80. (a)	Standard Stainless Steel 304L Laterals 80 degrees	100%	
80. (b)	Standard Stainless Steel 304L Laterals 45 degrees	100%	
80. (c)	Standard Stainless Steel 304L Reducers	100%	
81.	Standard Stainless Steel 304L Bell Mouths	100%	
82. (a)	Standard Stainless Steel 316L Elbows (Over 45 degrees up to and including 90 degrees, 3 or 4 segments)	100%	
83. (b)	Standard Stainless Steel 316L Elbows (Over 22.5 degrees up to and including 45 degrees, 2 or 3 segments)	100%	
83. (c)	Standard Stainless Steel 316L Elbows (Up to and including 22.5 degrees, 2 segments)	100%	
84. (a)	Standard Stainless Steel 316L Elbows (Over 45 degrees up to and including 90 degrees, 3 or 4 segments)	100%	
84. (b)	Standard Stainless Steel 316L Elbows (Over 22.5 degrees up to and including 45 degrees, 2 or 3 segments)	100%	
84. (c)	Standard Stainless Steel 316L Elbows (Up to and including 22.5 degrees, 2 segments)	100%	
85. (a)	Standard Stainless Steel 316L Long Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3, 4 or 5 segments)	100%	
85. (b)	Standard Stainless Steel 316L Long Radius Bends (Up to and including 22.5 degrees, 2 or 3 segments)	100%	
85. (c)	Standard Stainless Steel 316L Long Radius Bends (Over 22.5 degrees up to and including 45 degrees, 3, 4 or 5 segments)	100%	
86.	Standard Stainless Steel 316L Duckpoort Elbow and Bends	100%	
87.	Standard Stainless Steel 316L Tees	100%	
88. (a)	Standard Stainless Steel 316 L Sweep Tees (Long Radius)	100%	
88. (b)	Standard Stainless Steel 316L Sweep Tees (Medium Radius)	100%	
88. (c)	Standard Stainless Steel 316L Sweep Tees (Elbows)	100%	
89. (a)	Standard Stainless Steel 316L Laterals 80 degrees	100%	
89. (b)	Standard Stainless Steel 316L Laterals 30 degrees	100%	
89. (c)	Standard Stainless Steel 316L Laterals 45 degrees	100%	
90.	Standard Stainless Steel 316L Reducers	100%	
91.	Standard Stainless Steel 316L Bell Mouths	100%	
92.	Non-Standard Mild Steel Pipes 500mm Lengths (Flanged Both Ends)	100%	
93.	Non-Standard Galvanised Steel Pipes 500 mm Lengths (Flanged One End)	80%	
94.	Non-Standard Galvanised Steel Pipes 500 mm Lengths (Flanged Both Ends)	80%	
95.	Non-Standard Galvanised Steel Pipes 1000 mm Lengths	80%	

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	(Flanged Both Ends)		
96.	Non-Standard Galvanised Steel Pipes 1000 mm Lengths (Flanged One End)	80%	
97.	Non-Standard Galvanised Steel Pipes 2000 mm Lengths (Flanged Both Ends)	80%	
98.	Non-Standard Galvanised Steel Pipes 2000 mm Lengths (Flanged One End)	80%	
99.	Non-Standard Galvanised Steel Pipes 3000 mm Lengths (Flanged Both Ends)	80%	
100.	Non-Standard Galvanised Steel Pipes 3000 mm Lengths (Flanged One End)	80%	
101.	Non-Standard Galvanised Steel Pipe Sections, Flanged Both Ends, Puddle Flange 300mm from Flange (40 bar and 25 bar Flange)	80%	
102.	Non-Standard Galvanised Steel Pipe Sections, Flanged One End, Puddle Flange 300mm from Flange (40 bar and 25 bar Flange)	80%	
103.	Non-Standard Galvanised Steel Pipe Sections, Flanged Both Ends, Puddle Flange 300mm from Flange (40 bar and 10 bar Flange)	80%	
104.	Non-Standard Galvanised Steel Pipe Sections, Flanged One End, Puddle Flange 300mm from Flange (40 bar and 10 bar Flange)	80%	
105.	Non-Standard Galvanised Steel Pipe Sections, Flanged Both Ends, Puddle Flange 350mm from Flange (40 bar and 10 bar Flange)	80%	
106.	Non-Standard Galvanised Steel Pipe Sections, Flanged One End, Puddle Flange 350mm from Flange (40 bar and 25 bar Flange)	80%	
107.	Non-Standard Galvanised Steel Pipe Sections, Flanged Both Ends, Puddle Flange 500mm from Flange (40 bar and 25 bar Flange)	80%	
108.	Non-Standard Galvanised Steel Pipe Sections, Flanged One End, Puddle Flange 500mm from Flange (40 bar and 25 bar Flange)	80%	
109.	Galvanised Steel Reducers – Flanged Both Ends	80%	
110.	Galvanised Steel Ranger Coupler, Flanged Both Ends	80%	
111.	Galvanised Steel Ranger Coupler, Flanged One End	80%	
112.	Galvanised Steel 45 degrees Bends Flanged Both Ends	80%	
113.	Galvanised Steel Tee Piece 100 mm diameter Flanged	80%	
114.	Galvanised Steel Tee Piece 200 mm diameter Flanged	80%	
115.	Galvanised Steel Tee Piece 250 mm diameter Flanged	80%	
116.	Galvanised Steel Tee Piece 300 mm diameter Flanged	80%	
117.	Galvanised Steel Tee Piece 350 mm diameter Flanged	80%	
118.	Galvanised Steel Tee Piece 400 mm diameter Flanged	80%	
119.	Galvanised Steel Tee Piece 450 mm diameter Flanged	80%	
120.	Galvanised Steel Tee Piece 500 mm diameter Flanged	80%	

Manufacturing Process of Steel Conveyance Pipe	Size	Physical Properties	% Local Content	Bidder's score
Spiral submerged arc welding	500mm-3500mm	Bare	100%	
Spiral submerged arc welding	500mm-3500mm	Lined and coated	80%	
Spiral submerged arc welding	500mm-3500mm	Galvanized	85%	

As indicated above, it has been distinguished between (a) bare, (b) galvanized and (c) lined and coated large bore spiral submerged arc welded steel conveyance pipe.

- (a) **Bare:** The bare large bore spiral submerged arc welded steel conveyance pipe as is implied by the name, has not been lined, coated or galvanized. It is thus more prone to corrosion (rusting) and abrasion (inside) of the pipe as well as cathodic erosion (outside) of the pipe of direct current (DC) underground. The stipulated local content percentage (100%) is premised on the following key cost drivers incurred in the manufacture of the pipes:

Bare (100% Local Content)

Cost breakdown	% of steel finished product
Steel Coil Cost	78%
Loss of steel	8%
Conversion cost	14%

- (b) **Lined and coated:** Bare steel pipes can be lined (inside) and coated (outside) by applying protective coatings in the form of paints to protect them from corrosion. This pipe is typically used to convey water. The stipulated local content percentage (80%) is premised on the following key cost drivers incurred in the manufacture of the pipes:

Cost breakdown	% of steel finished product
Steel Coil Cost	58%
Loss of steel	8%
Conversion cost	14%
Lining and Coating	20%
TOTAL	100%

- (c) **Galvanized:** Galvanized large bore spiral submerged arc welded steel conveyance pipe is where the bare pipe is dipped in a hot zinc bath and both inside and outside surfaces are coated with zinc to avoid corrosion. Zinc coating, which makes up 15% of the cost is not manufactured locally and is imported. The stipulated local content percentage (85%) is premised on the following key cost drivers incurred in the manufacture of the pipes:

Cost breakdown	% of steel finished product
Steel Coil Cost	63%
Loss of steel	8%
Conversion cost	14%
Hot Zinc	15%
TOTAL	100%

Phase 4: Functionality Compliance.

Bidders must score at least **65 out of 100** in respect of functionality in order to qualify for advancement to Phase 3. A bidder that scores less than **65 out of 100** will be regarded as submitting a non-responsive bid and will be disqualified and not considered for phase 5 evaluation.

The weight that will be allocated to each functionality criteria is as follows (unless otherwise stated):

1 = poor, 2 = average, 3 = good, 4 = very good, and 5 = excellent

The evaluators are to score the bidder on a scale of 1 to 5 and use the scored value to determine the archived weight of the criterion.

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Criteria	Sub-Criteria	Points Value	Weight of Criterion	Bidder Score
Ability and Capability	Demonstrated skills and experience of each key personnel for this project; for example but not limited to, engineers, technicians, project managers, specialist artisans / foreman, artisans. (Attach 1 page resume of each key project team member indicating qualifications, experience, accreditation / affiliation)		40	
	Submission of organization and staffing proposals and CVs.			
	Bidders must submit the following academic qualification and proof of registration where professional bodies are required: (i)Professional mechanical engineer (with experience relating to maintenance of mechanical plant and machinery in the water infrastructure) , (ii)Specialist Artisan / Foreman (Mechanical), (iii)Artisan (Mechanical)			
	Professional Mechanical Engineer (i)	10		
	7 Years or more experience	5		
	6 Years or more experience	4		
	5 Years or more experience	3		
	4 Years or more experience	2		
	3 Years or more experience	1		
	Specialist Artisan / Foreman (Mechanical) (ii)	05		
	6 Years or more experience	5		
	5 Years or more experience	4		
	4 Years or more experience	3		
	3 Years or more experience	2		
	2 Years or more experience	1		
	Artisan (Mechanical) (iii)	05		
	5 Years or more experience	5		
	4 Years or more experience	4		
	3 Years or more experience	3		
	2 Years or more experience	2		
	1 Years or more experience	1		
	Bidders must submit the following academic qualification and proof of registration where professional bodies are required: (i)Professional electrical engineer (with experience relating to maintenance of electrical plant and machinery in the water infrastructure) , (ii)Specialist Artisan / Foreman (Electrical), (iii)Artisan (Electrical)			

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	Professional Electrical Engineer (i)	10		
	7 Years or more experience	5		
	6 Years or more experience	4		
	5 Years or more experience	3		
	4 Years or more experience	2		
	3 Years or more experience	1		
	Specialist Artisan / Foreman (Electrical) (ii)	05		
	6 Years or more experience	5		
	5 Years or more experience	4		
	4 Years or more experience	3		
	3 Years or more experience	2		
	2 Years or more experience	1		
	Artisan (Electrical) (iii)	05		
	5 Years or more experience	5		
	4 Years or more experience	4		
	3 Years or more experience	3		
	2 Years or more experience	2		
	1 Years or more experience	1		
Past Experience	<p>Contactable reference evaluation Bidders must submit signed reference letter(s) from previous clients/employer. Note that only completed projects will be accepted. Relevant work experience in water industry:</p> <ul style="list-style-type: none"> • Pipe-lines, • Pump stations, • Valves (Dia. 200-2000mm), • Cranes & lifting equipment, • Corrosion protection, • MV/LV Electrical <p>Reference letter(s) must indicate the number of above listed projects completed by the bidder.</p>		30	
	12 or more Completed projects	5		
	10 Completed projects	4		
	8 Completed projects	3		
	6 Completed projects	2		
	4 Completed projects	1		
TOTAL			70 (45)	

Phase 5: Evaluation of bidder's workshops: Due-diligence.

Bidders that obtained at least 45 points during the "Ability and Capability" and "Past Experience" evaluations shall have their workshops evaluated. Bidders who fail to score a minimum of 20 points for the workshop evaluation shall be disqualified and not considered for phase 6.

Criteria	Sub-Criteria	Points Value	Weight of Criterion	Bidder Score
Workshop Facilities As stipulated in Part 4, Section 14 in the Bid W XXXX WTE	The bidder must obtain at least 20 points for the workshop facilities. Failure to obtain 20 points shall result in non-compliance and the bid shall be considered as non-responsive.		30 (20) <i>Bidder must score a minimum of 20 points. Failure to score 20 points shall render your bid non-responsive</i>	
	10 Ton Overhead crane (minimum)	1 - 5		
	Machine shop	1 - 5		
	Boiler making section	1 - 5		
	Corrosion Protection Facility	1 - 5		
	Testing and Quality Control Area	1 - 5		
	Quality Control Equipment	1 - 5		

A workshop facility shall be a closed, under cover, ventilated workshop facility complying with the Occupational Health and Safety Act.

- a) An overhead crane shall have a capacity of not less than 10 Ton or have the capability to lift loads of 10 Ton.
- b) Machine shop shall be an area within the workshop facility or a stand-alone closed, under cover, ventilated workshop facility complying with the Occupational Health and Safety Act where machining is done, the machine shop shall have the following equipment:
 1. Lathe(s)
 2. milling machine(s),
 3. pedestal drill,
 4. hydraulic press,
 5. grinding and welding machines.
- c) Boiler making section shall be a section in the workshop facility or a stand-alone closed, under cover, ventilated workshop facility complying with the Occupational Health and Safety Act dedicated for the following activities:
 1. use variety of tools to cast and bend pieces into shape,
 2. welding or bolting pieces together
- d) Corrosion Protection Facility shall be dedicated for the following activities:
 1. Fettling or dressing,
 2. Degreasing,
 3. Blast clean,
 4. Application of the first coat,
 5. Application of intermediate and final coats

e) Testing and Quality Control Area shall be dedicated for the following activities:

1. Inspection of equipment and/or material
2. Testing of equipment (that is, hydrostatic testing, corrosion protection testing, factory assessment testing, etc.)

f) Quality Control Equipment includes the following:

1. Corrosion protection testing equipment (that is, dry film thickness (DFT) tester, Pin hole tester, water soluble test equipment etc.)
2. Hydrostatic testing equipment
3. Pressure testing equipment
4. Electrical testing equipment (that is, multi-meters, clamp-on ammeter, Insulation Tester, etc.)
5. Measuring equipment (for measuring: temperature, length, weight, etc.)

Evaluation of bidders workshop's shall also include due diligence on "Local Content and Production" compliance.

Phase 6: 90/10 Principle will be applied in terms of the new Preferential Procurement Regulations, 2017 pertaining to the PPPFA Act no 5 of 2000.

During this phase, bidders will be further evaluated based on 90points for price and 10 points for attaining the B-BBEE Status Level of Contributor in accordance with the table in SBD 6.1

In order to claim the B-BBEE Status Level of Contributor points, bidders must submit original and valid B-BBEE Status Level Verification Certificates or certified copies thereof, issued by accredited Verification Agency/s by SANAS or Registered Auditor approved by Independent Regulatory Board of Auditor (IRBA), together with their bids to substantiate their B-BBEE rating claims. The Exempted Micro Enterprise must submit a letter from the Accounting Officer who is appointed in terms of Close Corporation Act. EMEs are allowed to submit a sworn affidavit obtainable from the Department of Trade and Industry website.

Bidders who do not submit B-BBEE Status Level Verification Certificates or are non-compliant contributors to B-BBEE do not qualify for preference points for B-BBEE but will not be disqualified from the bidding process. They will score points out of 90for price only and zero (0) points out of 10for B-BBEE.

SUB-CONTRACTING

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. This requirement shall be in line with the "Preferential Procurement Regulations, 2017"

During the identification and implementation of procurement opportunities for designated groups where compulsory sub-contracting must be applied, the contractor will be required to meet the 30% minimum subcontracting requirement to EMEs or QSEs that are 51% owned by the following enterprises:

- i. Black people
- ii. Black people who are youth
- iii. Black people who are women
- iv. Black people with disabilities
- v. Black people living in rural or underdeveloped areas or townships
- vi. Cooperatives which are 51% owned by Black people
- vii. Black people who are military veterans

In relation to a designated sector, a contractor must not be allowed to sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.

Special Conditions

Price

A detailed financial proposal must be submitted with the bid. Each item of the financial proposal must be linked to a specific deliverable of the Price Schedules.

A 10% mark-up is applicable across the board.

National Treasury's Central Supplier Database.

With effect from 1 April 2016, accounting officers and accounting authorities may not award any bid to a supplier not registered as a prospective supplier on the National Treasury's Central Supplier Database.

FOR ENQUIRIES

FURTHER TECHNICAL INFORMATION: queries and questions of clarity can be addressed to Chief Director: Strategic Asset Management: Mr P Muneka contactable as follows: Tel: 012 336 7629 email: munekap@dws.gov.za and cc ngatit@dws.gov.za The **Bid number and the subject name** of this Bid should be clearly identified on the subject line when an enquiry is made.