



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

DUE AT 11:00 ON

CLOSING DATE: 22 OCTOBER 2026

BID: WTE-0599 CS

**SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR
CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.**

SUBMIT BID DOCUMENTS TO:

**THE BID BOX: ENTRANCE OF TRAINING CENTRE
DEPARTMENT OF WATER AND SANITATION
CONSTRUCTION SOUTH
CLANWILLIAM DAM SITE: OLD N7 ROUTE
CO-ORDINATES: 32°11'47.99"S and 18°52'34.96"E**

BIDDER: (Company address and stamp)

COMPILED BY: SCM CONSTRUCTION SOUTH MANAGEMENT

DEPARTMENT OF WATER AND SANITATION

BID: WTE-0599 CS

SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.

INVITATION TO BID (SBD 1)

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	WTE-0599 CS	CLOSING DATE:	22 OCTOBER 2026	CLOSING TIME:	11H00
DESCRIPTION	SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
THE BID BOX: ENTRANCE OF TRAINING CENTRE					
DEPARTMENT OF WATER AND SANITATION					
CONSTRUCTION SOUTH					
CLANWILLIAM DAM SITE: OLD N7 ROUTE					
CO-ORDINATES: 32°11'47.99"S and 18°52'34.96"E					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	F. Groenewald/R. de Wee		CONTACT PERSON	B. van HEERDEN	
E-MAIL ADDRESS	groenewaldf@dws.gov.za/ deweer@dws.gov.za		E-MAIL ADDRESS	CWD-Tenders@dws.gov.za	
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					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				☐ YES	☐ NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				☐ YES	☐ NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				☐ YES	☐ NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				☐ YES	☐ NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				☐ YES	☐ NO
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

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 IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3.	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 SPECIAL CONDITIONS OF CONTRACT.
1.4.	THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).
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 VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3	APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA .
2.4	BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5	IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6	WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7	NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

DEPARTMENT OF WATER AND SANITATION

BID: WTE-0599 CS

SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.

SECTION 1: LEGALITIES

CONTENTS

- INSTRUCTIONS TO BIDDERS
- DECLARATION OF INTEREST (SBD 4)
- TERMS OF THE PREFERENTIAL PROCUREMENT REGULATION, 2011 (SBD 6.1)
- LOCAL CONTENT DECLARATION – SUMMARY SCHEDULE (ANNEXURE C)

DEPARTMENT OF WATER AND SANITATION

BID: WTE-0599 CS

SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.

1. INSTRUCTIONS TO BIDDERS

CONTENTS

1. ISSUING OF DOCUMENTS
2. QUERIES WITH RESPECT TO THIS BID
3. COMPLETION OF BIDS
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12. EVALUATION CRITERIA
13. REJECTION OF BIDS
14. RESULTS OF BIDS

INSTRUCTIONS TO BIDDERS

1. ISSUING OF DOCUMENTS

- (a) A complete set of bid documents can be downloaded from the e-tender portal.
- (b) Bidders must satisfy themselves that the document is complete and conform to the index of this document. Should any figures or writing be indistinct, or should any pages be missing from this document or should this document or the drawing(s) contain any obvious errors, the Bidders must immediately notify the Department in order to have any discrepancy rectified or clarified before submitting his bid. Such clarification will be valid only if made by the Department by means of formal amendment as described hereunder prior to the date of submission of bids. The Department may issue amendments to clarify or modify the Bid Documents. A copy of each amendment will be issued to each bidder and shall be acknowledged on the form issued with the amendments. No claim whatsoever will be entertained for faults in the bid price resulting from the above-mentioned discrepancies.
- (c) No alterations, omissions or additions shall be made to this document, but should it be deemed necessary to do so, the Bidder is at liberty to qualify his bid.
- (d) 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 this document.

2. QUERIES WITH RESPECT TO THIS BID

Each communication between the Department and a tenderer shall be to or from the Department's contact person only, and in a form that can be read, copied and recorded. Writing shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the Department's contact person are:

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT/ PUBLIC ENTITY	Water and Sanitation	DEPARTMENT	Construction South
CONTACT PERSON	F. Groenewald/ R. de Wee	CONTACT PERSON	B van Heerden
E-MAIL ADDRESS	groenewaldf@dws.gov.za / deweer@dws.gov.za	E-MAIL ADDRESS	CWD- Tenders@dws.gov.za

3. COMPLETION OF BIDS

- (a) The bid must be signed on the Invitation to Bid form (SBD 1) annexed hereto with all blanks in the bid and the appendix filled in.
- (b) All spaces in the bid forms and other annexures shall be completed in full.
- (c) Section 4 in the bid document and the Pricing Schedule must be fully completed and priced out by the bidder. Failure to do so will deem your bid invalid.
- (d) The bid documents shall not be separated in any way nor must any pages be detached from the original documents.

4. SUBMISSION OF BIDS

The Bid Document shall be completed, signed and submitted as follows:

- (a) The original Bid, together with a covering letter and supporting documents, shall be sealed in an envelope endorsed:

ORIGINAL BID FOR BID: WTE-0599 CS: SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.

and the name of the Bidder shall be clearly shown.

- (b) Bids, sealed and endorsed as above, will be received by: The Supply Chain Management Office or be deposit in the bid box: Entrance of Training Centre, Department of Water and Sanitation, Construction South, Clanwilliam Dam Site: Old N7 Route, Co-ordinates: 32°11'47.99"S and 18°52'34.96"E not later than 11:00 on the date stipulated on the front cover of this document.

5. SIGNATURE ON BIDS

The Bid, if by an individual, must 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 must be signed by a person duly authorised thereto by a Resolution of a Board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid.

If the bid is submitted by joint venture of more than one person and/or Companies and/or firms it shall be accompanied by the following:

- (a) The original or a notarially 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.
- (b) 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.

6. GENERAL CONDITIONS OF CONTRACT

The National Treasury General Conditions of Contract shall be regarded as an integral part of the contract documents.

7. FORM SBD 1

The copy of Form SBD 1 (Invitation to Bid), annexed to these documents, must be completed and signed by the Bidder. **Failure to do so will deem your bid invalid.**

8. BIDDERS TO COMPLY WITH DOCUMENTS

Where applicable, Bidders must allow in their Bids for all labour, material, machinery and everything necessary for the execution and completion of the Contract in accordance with the bid documents. No alterations may be made in the Invitation to Bid, Schedule of Quantities or other documents and the bid will be deemed to comply entirely with the terms of the documents.

9. THE DEPARTMENTS RIGHT TO DECLINE ANY BID

The Department does not bind itself to accept the lowest or any bid.

10. DEPARTMENT NOT LIABLE FOR BIDDER'S EXPENSES

The Department will not be held liable for any expenses incurred in preparing and submitting bids.

11. PAYMENTS UNDER THE CONTRACT

All payments due to the Bidder in terms of the contract will be done by means of Electronic Fund Transfer.

12. EVALUATION CRITERIA

The evaluation of bids will be conducted in Four (4) phases as follows:

- **Phase 1: Mandatory Requirements**
- **Phase 2: Administrative Compliance**
- **Phase 3: Technical Evaluation and Specification Compliance**
- **Phase 4: Preference Points system**

Phase 1:

Mandatory Requirements

Failure to submit any of the documents as listed and detailed in Table 1 below will render your bid non-responsive and will be disqualified.

Table 1

No	Detail of Document to be submitted	Does the document submitted comply or not-comply?	
		Comply	Not-Comply
1	SBD 4 form should be complete and signed, and all other interest must be declared		

Phase 2:

Administrative Compliance:

Bidders are required to comply with the following listed below:

Table 2

No	Criteria	Comply	Not-Comply
1	Companies must be registered with National Treasury's Central Supplier Database must submit CSD report.		
2	Tax compliant with SARS (to be verified through CSD and SARS). Attach a copy of SARS Tax Clearance letter and PIN.		
3	Active registration with Company Intellectual Property Commission (to be verified through CSD and CIPC). Attach copy of CIPC / CIPRO certificate.		

No	Criteria	Comply	Not-Comply
4	An original or certified copy of B-BBEE Status Level Verification Certificate (failure to submit B-BBEE Certificate and complete SBD 6.1, the Bidder will forfeit the preferential points to be claimed)		
5	A valid letter of Good Standing with the Compensation Commissioner in terms of the Compensation for Occupational Injuries and Diseases Act No 130 of 1993 and or third parties' insurance registered with Financial Service Board		
6	Letter of appointment of duly authorized person to sign bid. Proof of such authority must be submitted with the bid. If by an individual, must 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 must be signed by a person duly authorised thereto by a Resolution of a Board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid.		
7	The stipulated minimum threshold percentage for local production and content, Valves products and actuators, Steel Products and Component for Construction as per stipulated by the Department of Trade and Industry (DTic) is applicable. Please make yourself aware of the stipulated minimum threshold percentage of the specific item(s) as per the specifications. Annex C need to be complete and is available on the Department: Trade and Industry website. (http://www.thedtic.gov.za/sectors-and-services-2/industrial-development/industrial-procurement/).		
8	Complete, sign, submit SBD1, SBD3.1, SBD 6.1		

Phase 3:

Technical Evaluation and Specification Compliance

Only Bidders that passed Phase 1 and 2 shall be considered for this phase of the evaluation process.

The bid will be evaluated using the criteria as indicated in *Technical Information section 3.2.14* and the requirements as in Table 3 below by comparing it to the information submitted in Phase 1 and 2.

Failure to comply with all the specifications will render your bid as not to specification and non-responsive.

The Bid Evaluation Committee will also confirm that the Bidders has indicated compliance with the technical specification in *Technical Information, Section 3.2.14*.

Table 2

Item / Requirement	Requirement	Did the bidder comply with the requirement?	
		Comply	Not-Comply
All items	Did the bidder indicate compliance in <i>Technical Information, Section 3.2.14</i> and sign the declaration under Section 3?		

Phase 4:

Preference Points system

The bid will be awarded in terms of Regulation 4: Preferential Procurement Regulations, 2022 pertaining to the Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000).

Bid proposals will be evaluated based on the 80/20 preference points where a maximum of 80 points will be awarded in respect of price and a maximum of 20 points will be awarded for goals.

Points claimed will be according to a bidder's specific goals claimed as indicated in Table 4 below.

The specific goals allocated points in terms of this tender	Number of maximum points allocated (80/20 system)	Bidder's points claimed for specific goals (To be completed by Bidder)
Women	5	
People with disability	5	
Youth (35 and below)	5	
Location of enterprise Western Cape Province	2	
B-BBEE status level contribution from levels 1 to 2 which are QSE or EME	3	
Total points for SPECIFIC GOALS	20	

Table 4: Specific goals for the tender and points claimed:

Specific goals” means specific goals as contemplated in section 2(1)(d) of the PPPFA Act which may include contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability including the implementation of programmes of the Reconstruction of Development Programme as published in *Government Gazette* No. 16085 date 23 November 1994.

“Ownership” means the percentage of ownership and control, exercised by individuals within an enterprise.

"Disability" means, in respect of a person, a permanent impairment of a physical, intellectual, or sensory function, which results in restricted, or lack of, ability to perform an activity in the manner, or within the range, considered normal for a human being.

- i. A blind person (in terms of the Blind Persons Act, 1968 (Act no.26 of 1968);
- ii. A deaf person, whose hearing is impaired to such an extent that he/she cannot use it as a primary means of communication;
- iii. A person who, as a result of permanent disability, requires a wheelchair, caliper or crutch to assist him/her to move from one place or another;
- iv. A person who requires an artificial limb; or
- v. A person who suffers from a mental illness (in terms of the Mental Health Act, 1973 (Act no. 18 of 1973).

"Youth" means, in respect a person younger than 35 years of age.

Location of enterprise” Local equals province. Where a project cuts across more than one province, the bidder may be located in any of the relevant provinces to claim and be allocated the points.

Women, disability, and youth will be measured by calculating the pro-rata percentage of ownership of the bidding company which meets the criterion. E.g., Company A has five shareholders each of whom

owns 20% of the company. Three of the five shareholders meet the criterion, i.e., they are women/disabled/youth. Therefore, this bidder will obtain 60% of the points allowable for this goal.

Table 5: Documents required for verification of Bidder's claimed points

Table 5

Specific Goal	Requires Proof Documents
Ownership by Women	Completed Percentage Ownership Affidavit (Annexure 1)
Ownership by people with disabilities	
Ownership by Youth	
Location of enterprise – Western Cape Province	Completed Location of Enterprise Affidavit (Annexure 2) and proof of such premises
B-BBEE status level1 or level 2 contributor who are Exempted Mico Enterprise or Qualifying Small Enterprise	B-BBEE verification certificate issued by a verification agency accredited by South African National Accreditation Agency (SANAS0 or in the case of an EME or a QSE, if permitted in terms of the relevant cade, a duly completed sworn affidavit on the relevant and appropriate form.

Failure on the part of a bidder to submit proof of documentation required in terms of this tender to claim for specific goals with the bid, will be interpreted to mean that preference points for specific goals are not claimed and will not be allocated

13. REJECTION OF BID

Bids not complying with the above-mentioned requirements and specifications may be regarded as incomplete and may not be considered.

14. RESULTS OF BIDS

Results of non-acceptance of bids will be sent to individual unsuccessful bidders.

13. REJECTION OF BID

Bids not complying with the above-mentioned requirements and specifications may be regarded as incomplete and may not be considered.

14. RESULTS OF BIDS

Results of non-acceptance of bids will be sent to individual unsuccessful bidders.

COMPULSORY DOCUMENTS TO BE COMPLETED BY THE BIDDER:

- DECLARATION OF INTEREST (SBD 4)
- TERMS OF THE PREFERENTIAL PROCUREMENT REGULATION, 2022 (SBD 6.1)
- LOCAL CONTENT DECLARATION – SUMMARY SCHEDULE (ANNEXURE C)

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

- 1.1 Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa, 1996 (Constitution), and further expressed in the various applicable legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.
- 1.2 If a person is listed in the Register for Tender Defaulters and/or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. DECLARATION ON EMPLOYMENT BY ORGAN OF STATE

- 2.1 Is the bidder, or any of the directors / trustees / shareholders / members / partners of the bidder employed by an organ of state, as defined in section 239 of the Constitution?
YES/NO
- 2.2 If YES, furnish particulars of the names, individual identity numbers, in the table below:

Full Name	Identity Number	Name of organ of state

- 2.3 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?
YES/NO

- 2.3.1 If so, furnish particulars:

.....

- 2.4 Does the bidder or any of its directors/trustees/shareholders members/partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise, whether or not they are bidding for this contract?

YES/NO

- 2.4.1 If so, indicate all companies registered in the CSD in the table below:

Supplier registration number (MAAA)	Status (active/inactive/deleted)

Failure to disclose all CSD-registered active companies linked to all Directors will lead to disqualification.

3 GENERAL DECLARATION

I,, the undersigned, in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure.
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found to be false.
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.5 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.
- 3.6 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

- 3.7 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, 1998 (Act No. 89 of 1998) and or may be referred to law enforcement agencies for criminal investigation and or may be restricted from conducting business with the state for a period not exceeding 10 years in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act No. 12 of 2004) or any other applicable legislation.

I CERTIFY THAT THE ABOVE IS CORRECT.

I ACCEPT THAT THE PROCURING INSTITUTION MAY REJECT THE BID OR TAKE APPROPRIATE ACTION AGAINST ME IF THIS DECLARATION IS FALSE.

.....
Signature

.....
Date

.....
Designation

.....
Name of bidder

SBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- 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 To be completed by the organ of state

(delete whichever is not applicable for this tender).

- a) The applicable preference point system for this tender is the 80/20 preference point system.
- b) The 80/20 preference point system will be applicable in this tender. The lowest/highest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 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	
$Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) \text{ or } Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$			

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

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

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

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)} & \mathbf{or} & \mathbf{Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)} \end{array}$$

Where:

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmin = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Women Ownership	5	
Disability Ownership	5	
Youth Ownership	5	
Location of enterprise (local equals province) Western Cape	2	
B-BBEE status level contribution from level 1 to 2 which are QSE or EME	3	
TOTAL SCORED POINTS	20	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I 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 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering 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 tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

(C1)	Tender No.
(C2)	Tender description:
(C3)	Designated product(s)
(C4)	Tender Authority:
(C5)	Tendering Entity name:
(C6)	Tender Exchange Rate:
(C7)	Specified local content %

Pula EU GBP [illegible][illegible]

(C20) Total tender value	R 0
--------------------------	-----

Signature of tenderer from Annex B

(C21) Total Exempt imported content	R 0
-------------------------------------	-----

(C22) Total Tender value net of exempt imported content	R 0
---	-----

(C23) Total Imported content	R 0
------------------------------	-----

(C24) Total local content	R 0
---------------------------	-----

(C25) Average local content % of tender

Date: _____

DEPARTMENT OF WATER AND SANITATION

BID: WTE-0599 CS

SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.

SECTION 2: CONDITIONS OF CONTRACT

CONTENTS

1. THE NATIONAL TREASURY - GENERAL CONDITIONS OF CONTRACT (NT GCC)
2. SPECIAL CONDITIONS OF CONTRACT

CONDITIONS OF CONTRACT

1. NATIONAL TREASURY - GENERAL CONDITIONS OF CONTRACT (NTGCC)

The Contract shall be governed by: "National Treasury - General Conditions of Contract", which is attached to this bid document.

The only variations from these National Treasury - General Conditions of Contract (NTGCC) shall be given in the Special conditions of Contract below.

THE NATIONAL TREASURY

Republic of South Africa



GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

July 2010

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

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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 anything 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 market 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.

- 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 as far as may be necessary for purposes of such performance.
- 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.
- 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.
- 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.

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

- 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.
- 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.
- 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:
 - (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
 - (b) a cashier's or certified cheque
- 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.

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 fulfilment 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 these 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 cancelling 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. If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:
- (i) the name and address of the supplier and / or person restricted by the purchaser;
 - (ii) the date of commencement of the restriction
 - (iii) the period of restriction; and
 - (iv) the reasons for the restriction.

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 antidumping 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 wilful 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.

33. National Industrial Participation (NIP) Programme

- 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.

34. Prohibition of Restrictive practices

- 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).
- 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.
- 34.3. If a bidder(s) or contractor(s), has / have been found guilty by the 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.

Js General Conditions of Contract (revised July 2010)

2. SPECIAL CONDITIONS OF CONTRACT

Item	Sub-Clause	Data
Application	2.2	Additional specifications follow from clause 35 below.
Performance Security	7.1 7.4	No performance security is required.
Packing	9.2	The material will be transported in suitable vehicles.
Delivery and documents	10.1	Each consignment will be delivered to the designated store yard at the site, accompanied by the necessary data sheets and delivery documents, stating the tender number, item description and quantity delivered.
	10.2	These documents will be signed on delivery by a designated person. A copy of the delivery note will be provided to the designated person.
Insurance	11.1	It is the supplier's responsibility to be fully insured against loss or damage incidental to manufacture or acquisition and transportation till it is delivered to site.
Transportation	12.1	An all-inclusive delivered price is required.
Incidental services	13.1	Client will assist with personnel and hydraulic crane to offload material if required (to be considered by bidder when pricing).
Spare parts	14.1	Not applicable.
Payment	16.1	Payment will be made once every month. An original Tax Invoice clearly stating the items and quantities delivered will be provided to the client. Payment will be done within 30 days of receipt of the approved Tax Invoice by depositing the payment directly into the bank account of the successful bidder. No cash payment will be done. Payment will only be done once successfully commissioned on site by the Supplier.
	16.4	Payment will be made in Rand.
Prices	17.1	No price adjustments will be considered.
Settlement of Disputes	27.4	Mediation proceedings shall be conducted in accordance with the rules of arbitration.
Additional Special conditions	35	Refer to Section 3 - Specification

DEPARTMENT OF WATER AND SANITATION

BID: WTE-0599 CS

SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.

SECTION 3: SPECIFICATIONS

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3.1 STANDARD SPECIFICATIONS

APPLICABLE STANDARD SPECIFICATIONS

In the event of any discrepancy between a part or parts of the National Treasury General Conditions of Contract or Standard specifications and the Project Specifications, the Project Specifications shall take precedence.

In the event of a discrepancy between the Specifications, (including the Project Specifications) and the drawings and / or the Bill of Quantities, the discrepancy shall be resolved by the Engineer before the execution of the work under the relevant item.

The applicable standard specifications are mentioned in the Project Specification.

3.2 PROJECT SPECIFICATION

3.2.1 DESCRIPTION OF THE PROJECT

The Department of Water and Sanitation's Construction South Division has been appointed to undertake the raising of the Clanwilliam Dam.

The raised dam wall will be approximately 370 m in length and 49 m in maximum height. At full supply level the reservoir will cover a surface area of approximately 2 022 ha and capacity of 344,3 million cubic metre

The works include the addition of concrete on the downstream side, extending the apron, construction of a free standing intake tower, river outlet control house, a power generating house, short tunnel and coffer dam works on the upstream side, as well as various other pipe outlet structures on the downstream side. This work must be done without interfering with the day to day operation of the dam.

As part of the installation of the pipework it will be necessary to perform hydraulic pressure testing of the on-site field joints of the pipes. While sections of the pipe can be pressure tested as a whole, some welds needs to be tested individually in order to allow for the concrete works to continue without delays.

This tender is to develop a welding test jig for the 1800NB pipes

3.2.2 LOCATION AND ACCESS TO SITE

The dam site is situated on the Olifants River, in the Western Cape, approximately 2 km South- West of Clanwilliam town in the Western Cape Province.

The site is immediately next to the N7 and accessed through a controlled gate. The gravel site roads will be regularly maintained but could get challenging under abnormal rainfall conditions.

Directions to Site:

- From Cape Town International Airport: Take N2 freeway towards Cape Town
- Take exit 14 for M7/ Vanguard Drive
- Turn right onto Vanguard Dr
- Continue onto N7 for about 230 km
- The dam will be on the right about 2 km south of the town of Clanwilliam Dam in the Olifants River

Bidders are advised to acquaint themselves with roads, road conditions, distances, etc. on and to the site, before bidding.

3.2.3 ROAD CONDITIONS

Bidders are advised to acquaint themselves with roads, road conditions, distances, etc. on and to the site, before bidding.

3.2.4 SERVICE REQUIRED

The service required is for the **SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.**

3.2.5 QUANTITIES

The quantities are estimates only and subject to change on re-measuring during the execution of the work. Orders will be placed as and when requirements become known. No price adjustments or claims will be allowed for or entertained due to a change in total quantities.

Note: The Department reserves the right to purchase only one or more items as required.

3.2.6 DELIVERY

The successful bidder to provide the Department with a project program within 5 working days of accepting the BID. The delivery of designs and material must be in accordance with the approved project program.

Note: All communication, requests and instructions to and from the Bidder will be managed by a designated person.

The delivery point is at the DWS Construction South - Clanwilliam Dam Construction Site Offices.

Deliveries may be made during working hours: 08h00 to 15h00, but not on the following days or periods:

- (i) Saturdays and Sundays.
- (ii) All public holidays.
- (iii) The period 11 December to 9 January.
- (iv) The last Friday of every month, unless otherwise agreed before delivery.

The Successful Bidder shall make available a designated contact person with whom the Department will arrange and schedule supply and delivery of the material.

The Department will decline products that do not comply with the specification and load(s) will not be accepted and will not be paid for. The declined load(s) must be removed from site ASAP for the Successful Bidders own cost.

3.2.7 PENALTY FOR LATE DELIVERY

If the Bidder fails to supply the goods or render the service within the period stipulated in the contract, the Department shall have the right, in its sole discretion to deduct as a penalty as described in paragraph 22 of National Treasury General Conditions of Contract (NTGCC).

3.2.8 PACKAGING

All materials will be safely packed for transportation.

3.2.9 TRANSPORTATION

All transportation cost of materials to be included in the pricing

3.2.10 BIDDER'S VEHICLES

The delivery vehicles will be roadworthy, in a good condition and fit for purpose.

The Department will have the right to instruct the Successful Bidder to repair or replace a vehicle which is considered unsuitable for the transporting of the material.

3.2.11 PAYMENT

Payments will be made monthly on receipt of specified approved tax invoices.

Payment will not be made for consignment unless supported by delivery notes duly signed by the designated official checking the delivery.

No escalation will be considered.

Payment will be done within 30 days of receipt and approval of original invoice by depositing the payment directly into the bank account of the Successful Bidder. No cash payment or cheque payment will be done.

3.2.12 COSTS

All-inclusive bid prices are required, delivery and any other cost mentioned in the specification for the Bidders account must be included in the unit price.

Bidders shall provide in their bid for all labour, plant, material, implements and vehicles necessary for the execution of the contract and all operating and maintenance costs in accordance with the bid documents.

3.2.13 SAFETY, HEALTH AND ENVIRONMENTAL

The successful bidder will be required to adhere to the site-specific Health, Safety and Environmental requirements while on site.

3.2.14 TECHNICAL INFORMATION

The below table details the technical requirements for the materials required for this bid. The Bidder shall confirm that he has familiarized himself with the specification and complies with said requirements by indicating as such for each item in the table below by **initialling in the relevant column**.

Item	SHORT DESCRIPTION	Specification / Requirements	Does the items priced in the pricing schedule comply with the indicated specification/requirement?	
			Comply	Not Comply
1	Manufacture Pressure test flanges	The bidder is to allow for the manufacturing of 1000NB pressure test flanges for Clanwilliam dam outlet pipes in accordance with CWD 44 (Appendix 1) and drawing CWD 7025 item 55; Appendix 2. No allowance should be made for Corrosion protection. The client will deliver the following material to the bidder's facility: 1 off Stainless steel 304L 1000NB pipe with a length of 1.5m. The bidder should allow for all other materials, consumable and for the manufacturing of the test flanges. Prior to manufacturing the supplier will submit a manufacturing quality control plan for approval by the client. This QCP will include all critical steps in the manufacturing process. Including but not limited to: Checking of dimensional tolerances in accordance with drawing and specification.		
2	Supply of blank flange	The bidder is to allow for the supply of 1000NB blank flanges for Clanwilliam dam outlet pipes in accordance with CWD 44 (Appendix 1) and drawing CWD 7025 item 56; Appendix 2. No allowance should be made for Corrosion protection.		
3	Supply of ancillaries			
3.1	Flexible Couplings	Flexible Couplings to Suit 1000NB pipe on Item 55 on Drawing CWD7025. Flexible couplings shall be of the Straub, Arpol or equivalent type. Shall permit a repeated movement to cater for thermal expansion and contraction of the pipes and shall further allow for the angular deflections, all in accordance with the supplier's Specification for each specific size. The casing of the coupling shall be manufactured from stainless steel 304 L or 316 L and the rubber seal from EPDM rubber. The locking bolts and bars of the coupling shall be stainless steel.		

3.2	1000 NB Gaskets	Material: 3mm insertion rubber Dimensions: To suit 1000NB Flang on Drawing CWD 7025 item 56		
3.3	80 NB Gaskets	Material: 3mm insertion rubber Dimensions: To suit 80NB Flang on Drawing CWD 7025 item 55		
3.4	M30 - Fasteners	Dimensions: HEX. HEAD BOLT M30 x 160, C/W HEX. NUT & 2 WASHERS Material and Specification: (SANS 1700) GRADE 4.8 (Hot Dip Galvanized) Supplier shall submit certificate of conformance to specification on delivery.		
3.5	M16 - Fasteners	Dimensions: HEX. HEAD BOLT M16 x 60, C/W HEX. NUT & 2 WASHERS Material and Specification: (SANS 1700) GRADE 4.8 (Hot Dip Galvanized) Supplier shall submit certificate of conformance to specification on delivery.		
3.6	M30 x 1000mm Studs - fasteners	Stud – M30 x 1000mm LONG FULL THREAD, C/W 4 HEX. NUTS ISO 4032 & 4 WASHERS ISO 7089 (SANS 1700) (Hot Dip Galvanized) Supplier shall submit certificate of conformance to specification on delivery.		
3.7	Fittings gauges and valves	This item is to allow for small fittings and items that might be required to make the pressure test flanges operational. The employer will communicate what will be required to the Contractor subsequent to the award of the bid. The employer may request 3 quotes for approval.		
4	Delivery	Include all costs associated with delivery, including but not limited to: • Packing. • Loading • Transport • Unloading; the <i>Client</i> can make a crane / forklift available on a 7-day (prior to planned delivery) notification from the <i>Supplier</i>. Please take note that the <i>Supplier</i> is responsible for the items up to delivery and offloading. Any damage during delivery to site or offloading is for the <i>Supplier's</i> account. No payment will be made without including a signed delivery note with the invoice. The <i>Client</i> will not be held liable for any handling damage.		

3.2.15 APPENDICES

- **Appendix 1: CWD 44**
- **Appendix 2: Pipe drawings: CWD 7025**

Appendix 1: CWD 44 (only as it is relevant to the test flanges)

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PARTICULAR SPECIFICATION CWD 44
PIPES AND SPECIALS

CWD 44.8.2.4 Transport and delivery to Site

Separate items are provided for the delivery of the pipes and specials to Site.

Unit : Sum

The rates tendered against the items in the Bill of Quantities shall include for full compensation of all costs incurred in the loading, transport, offloading and all other processes involved with the delivery into storage on Site of the specified pipes, specials, bolts, nuts, washers and gaskets and any other work as specified. Payment shall be made per unit. Payment shall only be effected after full compliance of the items with the Specification has been certified by the Engineer.

CWD 44.8.2.5 Installation and testing of pipes and specials (to be priced by Main Contractor)

Separate items are provided for the installation of the pipes and specials.

Unit : Sum

The rates tendered against the items in the Bill of Quantities shall include for full compensation of all costs incurred in the taking from the Contractor's Site store, handling, assembly, erection, aligning, welding, inspection, testing, making good corrosion protection of the specified pipes, specials, bolts, nuts, washers and gaskets and any other work as specified. Payment shall only be effected after full compliance of the items with the Specifications has been certified by the Engineer.

CWD 44.8.2.6 Tests on Completion (to be priced by Main Contractor)

Separate items are provided for performing Test on Completion.

Unit : Sum

Payment will be made for the complete outlet pipe work system, including valves successfully tested before. The rate tendered shall include for full compensation for all Tests on Completion including labour, supervision, materials, tools, instruments, etc., necessary for the testing of the system, remedial work and any other work as specified. All costs incurred in pressure testing and completion testing the system during both pressure testing and flow testing, shall be included in the tendered rate.

ANNEXURE A

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November 2018

shall only be allowed once potential damaging civil works have been completed in the area around the particular valve.

CWD 44.6 TOLERANCES

The Contractor shall refer to the tolerances specified in Clause CWD 44.5.2 and the relevant Drawings.

CWD 44.7 TESTS ON COMPLETION

Tests on Completion of the Works and pipelines shall be carried out in accordance with Clause CWD 44.5.3.8. These tests shall take place as shown in the Main Contractor's Construction Programme. The Main Contractor shall submit to the Engineer for approval a method statement for this procedure and shall be responsible to provide for all the requirements and to carry out the approved procedure.

CWD 44.8 MEASUREMENT AND PAYMENT

CWD 44.8.1 Basic Principles

Notwithstanding the breakdown as indicated in the Bill of Quantities, all the work and requirements of any nature as specified in this Particular Specification shall be covered by the Contractor in the pricing as reflected in the Bill of Quantities. No additional cost for any work or requirement in this Specification shall be allowed.

Items are provided for:

- Supply of all pre-manufacture documentation for approval;
- Procurement / manufacture of pipes and specials as indicated in the Bill of Quantities;
- Corrosion protection of pipes and specials as indicated in the Bill of Quantities;
- Delivery of all equipment supplied to Main Contractor's Site store as indicated in the Bill of Quantities;
- Installation and testing of pipes and specials *(to be priced by Main Contractor)*;
- Tests on completion *(to be priced by Main Contractor)*;
- Preparation of Operating and Maintenance Manuals and Drawings for the operation of the pipe system, all in accordance with General Mechanical Specification DWS 1601.

CWD 44.8.2 Scheduled Items

CWD 44.8.2.1 Documentation

Separate items are provided in the Bill of Quantities for documentation with regard to the manufacture and supply of the pipes and specials as indicated on the Drawings. Unit : Sum

The rates tendered against the items in the Bill of Quantities shall include full compensation for material schedules and certificates; quality control documentation; programmes of work (manufacture and on-site); and any other work as specified.

CWD 44.8.2.2 Procurement/ manufacture, hydraulic pressure testing & supply of pipes and specials.

Separate items are provided for the manufacture and supply of the pipes and specials. Unit : Sum

The rates tendered against the items in the Bill of Quantities shall include for full compensation of all costs incurred in the manufacture, procurement, inspection, testing (also including hydraulic pressure testing), trial erection and dismantling of the specified pipes, specials, bolts, nuts, washers and gaskets and any other work as specified. Payment shall be made per unit. Payment shall only be effected after full compliance of the items with the Specification has been certified by the Engineer.

CWD 44.8.2.3 Corrosion Protection

Separate items are provided for the corrosion protection of the pipes and specials. Unit : Sum

The rates tendered against the items in the Bill of Quantities shall include for full compensation of all costs incurred in the preparation for corrosion protection, procurement, application, inspection, testing of corrosion protection of the specified pipes, specials, bolts, nuts, washers and gaskets and any other work as specified. Payment will be made per unit. Payment will only be effected after full compliance of the items with the Specification has been certified by the Engineer.

CWD 44.5.3.9 Repair of Injurious Defects

Injurious defects found by non-destructive testing of welds, visual examination, hydrostatic testing or determined by any other means to exceed the limitations in API 5L Section 9.10 (44th Edition, October 2007) and API 1104 Section 9 (20th Edition, November 2005) shall be repaired in accordance with API 1104 Section 10 (20th Edition, November 2005) but subject always to the requirements of this Particular Specification.

The total length of all repairs shall be subjected to hydraulic pressure testing to 900 kPa. Where hydraulic pressure testing is not possible, radiographic tests shall be performed on the total length of all repairs.

CWD 44.5.4 Marking

All pipes and specials shall be clearly marked by welding alongside a longitudinal or spiral weld on one end of the pipe (at least 300mm away from the end) with the following data: Item number and specific range designation number. These numbers must in return reference to the documentation that consists of the following information:

- (a) Grade and thickness of material;
- (b) Item number of the pipe or special;
- (c) Nominal diameter (mm); and
- (d) Work pressure (kPa).
- (e) Hydraulic test pressure (kPa)

The applicable drilling table shall be stamped or welded on the periphery of all flanges. The minimum height of welded-on lettering shall be 30 mm. Hard stamping shall be legible after coating.

CWD 44.5.5 Storage, handling and transport

After testing, final inspection and approval the pipes and specials shall be securely packed to prevent any damage in transit. In order to protect the internal coating system the ends of the pipes and specials shall be securely blanked off by sturdy blanks.

The ends of all pipes and specials shall be protected against denting. Pipes shall be transported and stacked in a manner such as to prevent deformation of the pipe body in excess of 2 percent of diameter. Dents causing a protrusion in excess of 3 mm into the interior of the pipe shall result in the pipe being rejected. Otherwise General Mechanical Specification DWS 1601 –shall apply.

An open storage area is required for the storage of the pipes and pipe specials. It is recommended that a 500m double lane road be used (3,5 - 3,7 m width per lane assumed). Inside this area 1800 NB straight pipe sections shall be securely placed next to one another (pipe end to pipe end) and two 1000 NB pipe sections parallel to one another in the one lane while the other lane shall be used to gain access to the individual items as required.

CWD 44.5.6 Installation

The Main Contractor shall be responsible for the complete installation of all the equipment supplied under this Particular Specification. Installation shall be done in accordance with DWS 1110: CONSTRUCTION OF PIPELINES, AWWA Manual M11 and the installation drawings.

Installation shall include transport from the point of storage at Site to the location of installation of each item, alignment of all pipes and specials according to the Drawings, connecting of flanges and couplings, site welding, field testing and making good of corrosion protection, etc.

Large diameter pipes (≥ 600 NB) shall be installed on trestles (positioned at pipe rings) and tied down with either wire ropes or cargo straps to keep pipes in position during installation and to prevent the pipes from floating while casting concrete (refer to drawing Reg. No 169320/13 ME providing trestle height detail).

Installation and alignment of bell mouth sections in particular shall be in accordance with the tolerances stated on the Drawing Reg. No. 174392/13 and 169320/13 ME to ensure accurate installation of the sealing frames around the bell mouths for proper functioning of the emergency gate.

Alignment and reforming of pipe ends at joints for site welding purposes shall be achieved using suitable pipe chain clamps. The *EZPCC/10-72 SS 'E-Z Fit' Pipe Chain Clamp* or equal is recommended. Pipe ends shall be reformed from the inside using suitable spider jacks. Reforming of pipe ends shall not cause any localised denting or bulging of pipes. Stainless steel contact points and chain shall be used on the pipe clamps and spiders to reduce possible contamination on the stainless steel pipes.

Installation procedures shall include transport from the point of storage at Site to the location of installation of each item, alignment of all pipes and specials according to the Drawings, connecting of flanges and couplings, site welding, field testing and making good of corrosion protection, etc.

Distance pieces (closer pipes) shall be installed in positions reserved for valves. These distance pieces shall be cut to length when installing the valves. Installation of valves shall be co-ordinated with the Engineer, but

- (c) Where possible, specials shall be hydraulically pressure tested in the same way as specified for pipes. Specials and pipe sections that can not be practically hydraulically pressure tested, shall be subjected to 100 % radiographic testing of all the welds not subjected to the hydraulic pressure test of the original pipe.
- (d) Specials manufactured completely or partially from plate that has not been subjected to a hydraulic pressure test as described above, shall be hydraulically pressure tested as specified for pipes.
- (e) Specials manufactured completely or partially from plate that has not been subjected to a hydraulic pressure test as described above and that can for practical reasons not be subjected to a hydraulic pressure test, shall be subjected to a 100 % radiographic test on all welds. Such items shall however be kept to the minimum.
- (f) Circumferential and longitudinal butt welds (only in the event of no hydraulic pressure test being conducted): 100 % of the length of all circumferential butt welds shall be subjected to 100 % radiographic test, provided when consistently acceptable results are obtained, the number of welds to be so tested may be reduced by the Engineer.
- (g) Site welds: All site welds shall be subjected to hydraulic pressure testing for a minimum duration of 30 minutes prior to corrosion protection and concrete encasement. The hydraulic test pressure applicable to all pipes and specials shall be equivalent to 1.5 times the relevant pressure rating, i.e. 900 kPa for 600 kPa rated pipes. Where hydraulic pressure testing is not possible (or at bends that do not cater for hydraulic testing) 100 % radiographic tests shall be performed, provided when consistently acceptable results are obtained, the number of welds to be so tested may be reduced by the Engineer. It is required that the Engineer give written permission to the Main Contractor to perform any radiographic testing for each specific weld location where radiographic testing replaces hydraulic pressure testing.

Provision has been made to perform hydraulic pressure testing of pre-determined installed sections at designated blanking-off points. The Main Contractor shall submit to the Engineer for approval a method statement for this procedure and shall be responsible to provide for all the requirements and to carry out the approved procedure.
- (h) The test pressure over any length or section of pipe work being tested, taking possible difference in elevation into account, shall be such that the test pressure at any point along that section does not exceed 900 kPa. Any such conditions shall only be carried out with the written approval of the Engineer.
- (i) The integrity of welds on items hydraulically tested in the workshop shall not be questioned during radiographic testing of site welds.

Note that the maximum static pressure in the lowest pipe work due to head of the dam (NOC) is approximately 425 kPa.

All hydraulic pressure tests on pipes and specials shall be conducted in the Manufacturer's Workshop and before the application of any corrosion protection.

Periodic factory inspection, verification and witnessing of tests and inspection of test records may be carried out by the Engineer or an independent Inspectorate appointed by the Engineer.

Tests and inspections shall be carried out at the Manufacturer's Works at the expense of the Contractor (pipe manufacturer) who shall provide all necessary testing facilities, labour instruments, equipment and samples that might be required, free of charge. The Engineer or his representatives shall be afforded every facility during the course of manufacture and testing to enable witnessing and inspections to be carried out effectively.

All test samples shall be selected by the Engineer or his representatives and all instruments used for testing purposes shall be approved by the Engineer or his representatives. If in the opinion of the Engineer or his representatives any instrument should require calibration, such instruments shall be calibrated at the expense of the Contractor by such body as may be approved by the Engineer.

No mechanical re-working or straining of pipes and specials shall be allowed after testing and inspection.

CWD 44.5.3.8 Hydrostatic Field Testing

After complete installation, the Main Contractor shall be responsible to carry out a hydraulic pressure test of the complete pipe system (including all valves) to ensure that all joints and connections are leak free. This test and allowable leakage shall comply with AWWA M11 Chapter 12, over a test period of minimum two hours after the test pressure has been maintained for a minimum of 24 hours and to a test pressure of 750 kPa for all 600 kPa rated pipes (i.e. 1.25 x working pressure).

7. Polyurethane for coding	-	Re-coatable or pure Aliphatic Polyurethane where required colour for colour coding. Only UV resistant Polyurethane shall be used.
8. Primers	-	Primers shall only be used in special cases i.e. over-coating of galvanized surfaces.
9. 3CR12	-	In view of superior corrosion resistance, coated 3CR12 material is preferred.
10. Mild steel	-	Mild steel may only be used where the pipe lining can be refurbished in situ.
11. Items subjected to high temperatures	-	Items to be manufactured out of stainless steel or coated with heat resistant paint.
12. Epoxy primer	-	Epoxy primer may not be required if appropriate two pack Epoxy / Re-coatable or pure Aliphatic Polyurethane is being used.

CWD 44.5.3.5 QUALITY ASSURANCE, INSPECTIONS AND TESTS

Quality assurance and inspections shall be in accordance with this Particular Specification, DWS 1601: GENERAL MECHANICAL SPECIFICATION (Revision 0), STANDARD SPECIFICATION DWS 2020: QUALITY CONTROL SPECIFICATION (October 2001 edition) and as further described hereunder. The Contractor shall compile the Data Book consisting of QCP's (for manufacturing and corrosion protection), material certificates, test certificates, welder qualifications and welding procedures.

The appointment of a third party inspector authority is required to perform inspections on Site welding and corrosion protection (Site and workshop) of all pipework. This third party inspector authority shall monitor the abovementioned and report to the Engineer in writing to ensure the adherence to the relevant specification as discussed. This third party inspector authority shall have the ability to perform non-destructive testing (NDT) i.e. X-rays and dye penetrant testing and the analysis thereof as required by the Engineer.

This inspector shall have the following minimum qualification together with a minimum of 5 years relevant experience:

- SAQCC Paint Inspectors qualification (PS1)
- or alternatively have a NACE CIP Level 1 qualification

The inspector and the Main Contractor shall compile the Data Book consisting of QCP's (for manufacturing and corrosion protection), material certificates, test certificates, welder qualifications and welding procedures.

The Main Contractor is responsible for any tests as required by the Engineer in accordance with the Engineer's test methods and requirements.

CWD 44.5.3.6 Visual Inspection

All finished pipes and specials shall be visually examined and shall be free of injurious defects as defined in API 5L Section 9.10 (44th Edition, October 2007). In addition, fillet welds and welds on specials shall be inspected by the application of a penetrant-dye, in accordance with API 1104, on the inside and outside over 100 % of any specific weld bead to determine if any cracks are present. This procedure shall also apply to all pipe to pipe flange welds.

CWD 44.5.3.7 Testing of Pipes and Specials

In addition to the requirements of SANS 719, the following requirements shall apply to the testing and inspection of pipes and specials:

- (a) Hydraulic pressure tests (pressure resistance and leakage test) shall be carried out on all pipes and specials in order to test the integrity of the material used and of welds. These tests shall take place prior to corrosion protection and concrete encasement. The hydraulic test pressure applicable to all pipes and specials shall be equivalent to 1.5 times the relevant pressure rating, e.g. 900 kPa for 600 kPa rated pipes. This is in accordance with the formula in SANS 719 Sub-clause 5.2.4 using the pressure bearing wall thickness (i.e. 6.4 mm for 10 mm wall thickness on 1800 NB pipes and 3.6 mm for 8 mm wall thickness on 1000 NB pipes obtained from the Barlow Formula). This test pressure shall be maintained for 30 minutes after which visual inspection of all welded seams shall be performed while maintaining the test pressure. The duration of the hydraulic pressure tests may be reduced by the Engineer.
- (b) The pressure shall be applied gradually by approved means and maintained without variation sufficiently long for the duration of the inspection. Should leaks appear from any part or any defects of any nature be discovered, the pipe shall be emptied and the defects repaired. The pipe shall then be retested. Should a pipe, after repair, fail to pass the second hydraulic test, the Engineer may order its rejection.

(g) Coating at Joints

ENVIRONMENT	MATERIAL	SYSTEM	MINIMUM DFT (µm)
Plain ended pipes where couplings or flange adaptors are to be fitted	MS	Same as lining material for 300 mm from end	400
		Two pack Epoxy for cement mortar lining with 100 mm overlap inside and outside	400
Flanges of bitumen wrapped pipes	MS	Same as lining material on top and back of flange with an overlap of 100 mm from the flange	400
		Two pack Epoxy for cement mortar lining with 100 mm overlap inside and outside	400
Flange faces	MS	Two pack Epoxy or FBE	60 - 90
Coupling or flanged joints buried in soil or in wet chambers	MS SS 304 SS 316	Coating system plus Petrolatum wrapping system - refer Section 13 of DWS 9900.	
Welded joints buried in soil and encased in concrete	MS SS 304 SS 316	As specified for lining and coating	

(h) Stainless Steel Items

SURFACES	COATING	MINIMUM DFT (µm)
Stainless steel components (Dissimilar materials in submerged conditions)	Two pack Epoxy or FBE to a smooth, glossy and uniform finish	125
3CR12 steel components (All submerged conditions)	Two pack Epoxy or FBE	400 250
Stainless steel components (Dry or compatible metal conditions)	Pickle and passivate – See note 4 of Clause CWD 44.5.3.4(i)	
3CR12 steel components (Dry conditions only)	Pickle and passivate – See note 4 of Clause CWD 44.5.3.4(i)	

(i) Notes

The following items shall be approved by the Corrosion Engineer:

1. Hot-dip galvanizing
 - Only for pipes up to 200 mm diameter maximum and flow less than 2 m/s.
 - Pipes shall not be embedded in concrete.
 - Water analysis shall be provided.
 - Pipes over 200 mm diameter to be coated with a duplex system
2. Sealant
 - Interfaces of different environments shall be sealed with a Polyurethane or Polysulphide flexible sealant to be applied in accordance with the manufacturer's data sheets.
3. Un-coated stainless steel
 - Only to be used if no galvanic reaction and anaerobic conditions are found.
4. Pickle and passivate
 - If not in contact with less noble material.
 - If exposed to anaerobic conditions seal-coat all crevices with solvent free Epoxy.
 - Shall be done by the dipping process.
5. Galvanic cells
 - Where a galvanic cell is situated within a water path <150 mm and concrete cover <75 mm, both the MS, 3Cr12 or SS shall be coated.
6. Anaerobic conditions
 - SS grade 316L shall be used under anaerobic and aggressive water conditions.

(c) Scour-, Ventilation- and Drainage Pipes

ENVIRONMENT	MATERIAL	SURFACE	SYSTEM	MINIMUM DFT (µm)
In concrete	SS 304	Lining and Coating	Two pack Epoxy	150
In atmosphere	SS 304 / 316 uPVC		Pickle & passivation	

(d) In Water

ENVIRONMENT	MATERIAL	SURFACE	SYSTEM	MINIMUM DFT (µm)
In water & severe corrosion conditions	SS 304 See note 6 of Clause CWD 44.5.3.4(i)	Lining	1. Two pack Epoxy	250
			2. FBE	150
		Coating	1. Two pack Epoxy	250
			2. FBE	150

(e) Couplings and Adapters

MATERIAL	SURFACE	SYSTEM	MINIMUM DFT (µm)
MS	Lining and Coating	1. Two Pack Epoxy	400
		2. FBE	300
SS 304	Lining and coating	Pickle and passivate – See note 4 of Clause CWD 44.5.3.4(i)	
SS 304 buried	Lining and coating	1. Two pack Epoxy	150
		2. FBE	125

(f) Fasteners

ENVIRONMENT	MATERIAL	SYSTEM	MINIMUM DFT (µm)
Fasteners and washers - Dry	MS	HDG plus threads coated with Molybdenum Disulphide lubricant or wax	45
	SS 304	Threads coated with Molybdenum Disulphide lubricant or Nickel Anti-seize compound	Uniform cover
Fasteners and washers - Wet/Submerged	SS 316	1. Pickle and passivate - See note 4 of Clause CWD 44.5.3.4(i) plus threads coated with Molybdenum Disulphide lubricant or Nickel Anti-seize compound	Uniform cover
		2. FBE coated (thread surfaces excluded) plus threads coated with Molybdenum Disulphide lubricant or Nickel Anti-seize compound.	50
Fasteners for flanges	MS	HDG plus complete fastener system coated with an approved spray type lubricant (Molybdenum disulphide). Bolt heads and nuts to be covered with plastic bolt caps.	45
Tie rods for flanges (only threaded at ends)	MS	HDG complete fastener system, rod only threaded at ends plus FBE coated shank and coated with an approved spray type lubricant (Molybdenum disulphide) on threads prior to assembly. After drying of the spray type lubricant, stud to be covered by Carbomastic 15®.	45 30
Fasteners and washers –buried in soil	MS	HDG plus threads coated with Molybdenum Disulphide lubricant and wax plus Bitumen or Tape wrapping, covered with sealed plastic sheeting.	45
	SS 304	Threads coated with Molybdenum Disulphide lubricant or Nickel Anti-seize compound plus Bitumen or Tape wrapping, covered with sealed plastic sheeting.	Uniform cover
Fasteners for flange adaptors – Drilled and tapped	MS	HDG plus wet assembly with Epoxy or threads coated with Molybdenum Disulphide lubricant	45
	SS 304	Pickle and passivate - See note 4 of Clause CWD 44.5.3.4(i) plus wet assembly with Epoxy	Uniform cover
Fasteners for flange adaptors –	SS 304	Pickle and passivate - See note 4 of Clause CWD 44.5.3.4(i)	

blast profile. Surface profile shall be a minimum of 30 µm for atmospheric corrosion conditions and 50 µm for immersed corrosion conditions.

(b) Degreasing, Dust and Debris

Surfaces shall be degreased in accordance with DWS 9900 paragraph 7.3.3. Dust and debris shall be removed by vacuum-cleaning.

(c) Time limitations of applications of coating systems

The time interval between blast cleaning of stainless steel and application of coating shall be immediate (limited to a maximum time interval as indicated in Standard Specification DWS 9900 Sub-clause 7.3.6.1.1) to prevent the formation of a chrome-oxide layer.

CWD 44.5.3.2 Toxicity of Lining Material

Materials used for the lining of valves and pipes shall be non-toxic and shall not impart any odour, taste, or colour to the water. Certification shall be submitted to the Corrosion Engineer for his approval.

CWD 44.5.3.3 Proprietary Items

Components that are supplied painted or protected e.g. gearboxes, actuators etc. **shall only be accepted** provided that they meet the corrosion protection requirements of this Particular Specification. Other coating systems may only be used if full details of the coating system was submitted at Tender stage and approved by the Corrosion Engineer.

CWD 44.5.3.4 Coating Systems for Outlet Pipes, Specials and Bell Mouths

The following tables are abbreviated guidelines and the systems are not listed in order of preference.

See Notes under Clause CWD 44.5.3.4(i).

Refer to the Standard Specification DWS 9900 – CORROSION PROTECTION for the updated corrosion systems. The following tables provide an indication of the corrosion protection systems required:

(a) Encased in Concrete

ENVIRONMENT	MATERIAL	SURFACE	SYSTEM	MINIMUM DFT (µm)
Encased in concrete	SS 304 or SS 316 (See note 6)	Lining	1. Two pack Epoxy	250
			2. FBE	175
		Coating	1. Two pack Epoxy plus sealant of Polyurethane or Polysulphide – See note 2 of Clause CWD 44.5.3.4(i)	150
			2. FBE plus sealant of Polyurethane or Polysulphide –See note 2 of Clause CWD 44.5.3.4(i)	100
3. Pickle and passivate – See note 4 of Clause CWD 44.5.3.4(i)				
Buried in soil - chamber to coupling	All materials	Coating	Two pack Epoxy plus Tape wrapping system	150 Min. 3 mm double tape wrap

NOTE: Interfaces of different environments shall be protected as per table above; option: Coating 1 or 2.

(b) In Chamber Walls

ENVIRONMENT	MATERIAL	SURFACE	SYSTEM	MINIMUM DFT (µm)
In chamber walls	SS 304 or SS 316	Lining	1. Two pack Epoxy	250
			2. FBE	175
		Coating	1. Two pack Epoxy plus top coat of pure Aliphatic Polyurethane plus sealant of Polyurethane or Polysulphide – See note 2 of Clause CWD 44.5.3.4(i)	150 25
			2. FBE plus top coat of pure Aliphatic Polyurethane plus sealant of Polyurethane or Polysulphide – See note 2 of Clause CWD 44.5.3.4(i)	100 25
Buried in soil - chamber to coupling	All materials	Coating	Two pack Epoxy plus Tape wrapping system	150 Min. 3 mm double tape wrap

TABLE 2
SCHEDULE OF FLANGE DIMENSIONS & DRILLING ACCORDING TO PRESSURE RATING

PRESSURE RATING (kPa)	PIPE NB (mm)	FLANGE BODY DIMENSIONS (EXCL. THICKNESS) (SANS 1123, Ed. 3.1)	DRILLING TABLE (SANS 1123, Ed. 3.1)
1 000	1600 & 1800	1 000/1B	1 000/1B
1 000	< 1600	1 000/3	1 000/3
1 600	ALL	1 600/3	1 600/3
2 500	ALL	2 500/3	2 500/3
4 000	≤ 500	BS 4505 Table 40/3	BS 4505 Table 40/3
4 000	> 500	NWS 1676 Table 40/3	NWS 1676 Table 40/3

(a) Joints rated below 4 000 kPa

The flange body dimensions (excluding thickness) for sizes smaller than 1 600 mm NB shall be as for steel plate flanges for welding as detailed in SANS 1123 Table 1000/3. The minimum flange rating shall be SANS 1123 Table 1000/3 for all working pressures up to 1 000 kPa. The minimum pressure rating for the drilling of flanges shall be according to SANS 1123 Table 1000/3.

The flange body dimensions (excluding thickness) for size 1 600 mm NB to 2 000 mm NB shall be as for integral iron flanges as detailed in SANS 1123 Table 1 000/1B.

CWD 44.5.2.4 Flexible Couplings and Flange Adaptors

Flexible couplings shall be of the Straub, Arpol or similar type at the joints indicated on the Drawings. All couplings shall permit a repeated movement to cater for thermal expansion and contraction of the pipes and shall further allow for the angular deflections, all in accordance with the supplier's Specification for each specific size. During installation, all tolerances with regard to permitted gaps, misalignment, angular deflection, differences in pipe O/D, axial movement, lateral displacement, etc. shall be complied with.

The casing of the coupling shall be manufactured from stainless steel 304 L or 316 L and the rubber seal from EPDM rubber. The locking bolts and bars of the coupling shall be stainless steel.

Flange adaptor type couplings shall be of the Viking Johnson type or equal and shall accommodate angular deflections as specified by the supplier.

CWD 44.5.3 Corrosion Protection

The Main Contractor shall appoint a specialist corrosion protection applicator to perform the corrosion protection of all equipment supplied under this Specification. The Main Contractor shall be responsible for the transport of the aforementioned between the pipe workshop, corrosion protection applicator's workshop and Site. The Main Contractor shall be responsible for remedial corrosion protection to remedy damage to shop corrosion protection of pipes, ancillaries and specials and to valves and appurtenant equipment supplied by others occurring after handover of such equipment. The Contractor performing the corrosion protection shall be responsible for making good of any damage to the corrosion protection during transport of all equipment prior to handover to the Main Contractor.

Corrosion protection of equipment supplied under this Particular Specification shall conform to DWS 9900 – CORROSION PROTECTION and the particular item's drawing. Colour coding shall be in accordance with Annexure C3. All corrosion protection systems, procedures, specific materials and products shall be submitted to the Engineer for approval before application. Manufacturer's data sheets or legible copies thereof shall be submitted for each product as it is stipulated in DWS 9900 paragraph 3.1.

This specialist corrosion protection applicator shall also be responsible for minor dressing of pipework prior to corrosion protection and for making good of corrosion protection on Site as well as performing corrosion protection of field welded joints. This specialist contractor shall be responsible for all access and ventilation requirements in compliance with the Occupational Health and Safety Act. This shall include the removal and replacement of pipe sections and manhole covers if required.

CWD 44.5.3.1 Important corrosion protection requirements

(a) Surface Preparation & Profile

Components fabricated from corrosion resistant- and stainless steel shall not be contaminated with iron or mild steel through the use of contaminated grinding discs, wire brushes, scratch marks, steel grit, etc. Conventional slag abrasives often contain up to 30% ferrous and ferric compounds or iron silicate where the resultant iron residues can set up corrosion cells on the surfaces of stainless steel. The recommended non-metallic abrasives are: aluminium oxide, garnet or glass. Corrosion resistant steel surfaces shall be blast-cleaned with stainless steel grit or non-metallic abrasive to create a profile. The use of steel shot and steel- or cast iron grit is strictly prohibited. Stainless steel tends to have a harder surface and is more difficult to obtain

CWD 44.5.2.2 Specials

Specials shall generally be manufactured from pipe conforming to this Particular Specification (i.e. pipe that has been successfully subjected to a hydraulic pressure test as specified in Clause CWD 44.5.3.7). Where detailed Drawings of the specials are provided, the specials are to comply in all respects with the Drawings. Where constructional details are not indicated on the Drawings, these issues shall be communicated in writing by the Contractor to the Engineer before any work is carried out.

(a) Weld Bead

The internal weld bead for fusion welding and the height of the upset metal and flash on the inner surface of electric welding shall not exceed 1,0 mm.

Unless it is stated elsewhere in the Specification or on the Drawings that the pipes and specials are to be jointed by butt-welding, the external weld reinforcement or upset metal and flash shall be ground flush with the body for a length of 200 mm back from the ends.

(b) Bends

Bends shall have their "centre plane" marked with two small punch marks close to both ends of the bends to facilitate correct positioning of the bends during laying.

(c) Branches and Nozzles for Bypasses, Drains, Air Valves, Pressure Gauges, etc.

Centre lines of nozzles and branches shall be at right angles to the barrel of the pipe, unless indicated otherwise on the Drawings.

(d) Reducer Pieces

Reducer pieces shall be manufactured from the same type and quality steel plate as would the relevant straight pipe for the same duty. Reducer pieces shall not have more than two longitudinal weld seams and further as detailed on the Drawings.

CWD 44.5.2.3 Flanges and Gaskets

All flanges shall be supplied complete with bolts, nuts, washers and full face gaskets, except where a gasket and bolting material is specifically designated to be supplied under CWD 45 - Valves.

All bolts and nuts shall be in accordance with DWS 1601 – General Mechanical. All bolt sizes shall conform to the requirements of CWD 45 - Valves. Bolted joints shall have a washer underneath both the bolt head and nut.

Flanges shall be drilled "off-centre" and in accordance with Table 2 below and the Drawings. Flange thickness shall be in accordance with the Drawings. Flange faces shall be in accordance with Table 1 below. Where not indicated, flanges shall be designed to have a uniform thickness, adequate in terms of an appropriate design code, to withstand the design working pressure within specified stress levels, and subject to the approval of the Engineer. The flange face shall have a circular or gramophone finish with a maximum surface roughness of 25 µm after the application of the coating.

The following shall apply, unless otherwise stated on the Drawings:

TABLE 1
SCHEDULE OF FLANGE TYPES ACCORDING TO SIZE AND PRESSURE RATING

PIPE DIAMETER NB (mm)	PRESSURE RATING	
	≤ 1600 kPa	≥ 2500 kPa
0 ≤ Ø ≤ 400	Full face gasket (i.e. flat faced flange)	Full face gasket (i.e. flat faced flange)
400 < Ø ≤ 2 500	Full face gasket (i.e. flat faced flange)	Raised face
Ø > 2 500	O-ring	O-ring

Details of the proposed "O" ring groove design shall accommodate corrosion protection requirements and shall be furnished at Tender stage for consideration.

CWD 44.3.4 Gaskets

Gaskets shall be manufactured from insertion rubber or other similar approved material which complies with the requirements of SANS 564. All gaskets shall be 3 mm thick and purpose made to the dimensions of the matching flanges.

CWD 44.3.5 Rubber

Rubber for jointing rings in flexible couplings shall be manufactured from first grade EPDM.

CWD 44.3.6 Bolts and Nuts

Unless otherwise stated on the Drawings, bolts, nuts, studs and washers shall comply with SANS 1700 and shall be hot-dip galvanised in accordance with SANS 121.

CWD 44.4 PLANT

The Main Contractor and Contractor shall utilise such plant and equipment as is necessary to safely and efficiently carry out the manufacturing, installation, testing and commissioning of the items covered by this Particular Specification, all in accordance with the Occupational Health & Safety Act 85 of 1993.

CWD 44.5 FABRICATION AND CONSTRUCTION**CWD 44.5.1 General****CWD 44.5.1.1 Supporting Specifications**

Pipes and specials shall be manufactured, tested and inspected in accordance with the latest issues of the following Standards and Codes of Practice except where amended in subsequent clauses in this Particular Specification.

CWD 44.5.1.2 Welding of Pipes & Specials

SANS 1476, SANS 719, BS 2633 and BS 534 shall also be deemed to apply to the manufacture of pipes and specials from submerged arc spirally - or longitudinally welded "cans", rolled from low carbon steel plate or 3CR12, 304L, 316L and 2205 stainless steel plate of designated Specification and then joined by submerged arc circumferential welding or MIG flux core welding to form suitable pipe lengths.

The following additional requirements shall apply with regards to welding of pipes and specials:

- (a) All butt-welds and branch fillet welds on specials shall where practical, have an internal weld. The weld bead of this internal weld shall not extend above the prolongation of the original inside surface of the pipe by more than 1,0 mm. Internal reinforcement in the form of backing rings at weld seams shall not be permitted.
- (b) The radiographic technique, adjudication of radiographs and repair of defects shall be in accordance with API 1104.

Refer to Drawing CWD 7008 for details of the site welded joints for DN 1800 and DN 1000 pipes.

CWD 44.5.1.3 Qualification of Welders

All manual or semi-automatic welds and repair welds shall only be undertaken by welders qualified under tests laid down in the latest issue of the ASME "Boiler and Pressure Vessel Code", Section IX for the relevant scope of welds specified. Circumferential site welds shall conform to Drawing Reg. No. 169326/13 ME.

CWD 44.5.1.4 Non-destructive Tests and Adjudication

The following standard Specifications shall apply:

- Radiographic Inspection : API 1104
- Ultrasonic Inspection : API 5L

CWD 44.5.2 Specific Requirements for Pipes and Specials**CWD 44.5.2.1 Dimensional requirements**

All dimensions and tolerances shall be in accordance with the Drawings. Where not indicated, tolerances shall be in accordance with SANS 719 Clause 5.1 and Pipe Acceptance Criteria Report CWR 059.

The tolerance on the pipe outside diameter for pipe outside diameters above 1250 mm up to and including 1820 mm shall be ± 8 mm (excluding pipe ends). The ovality tolerance on the pipe inside diameter of pipe ends above 1250 mm up to and including 1820 mm shall be $\pm 1,6$ mm all around the circumference over 150 mm distance from pipe ends. Pipe ends to be joined by Site welding require appropriate spider-jacks and pipe chain clamps to ensure the acceptable ovality tolerance mentioned above is achieved and to accommodate the combined tolerance of two adjacent connecting pipes.

CS	:	Cast steel
DCA	:	Die cast aluminium
DFT	:	Dry film thickness
DN	:	Nominal diameter
FA	:	"VIKING JOHNSON" type flange adaptor or equal
FBE	:	Fusion-bonded Epoxy
FBP	:	Fusion-bonded Polyester
FBPE	:	Fusion-bonded Polyethylene
FTE	:	Flanged two ends
FOE	:	Flanged one end
FW	:	Field weld
GRP	:	Glass fibre reinforced Polyester
HDG	:	Hot-dip galvanized
HDPE	:	High Density Polyethylene
MS	:	Mild steel (grade 300WA, S355) or any carbon steel
NB	:	Nominal bore/diameter
PBE	:	Plain both ends
PC	:	Polycarbonate
PE	:	Plain end
PVC	:	Polyvinylchloride
RFA	:	Restrained flange adaptor
SC	:	"ARPOL", "STRAUB" or equal type slip coupling
SG	:	Spheroidal graphite cast iron – grade 420
SS	:	Stainless steel – grades 304, 304L, 316, 316L and 2205
UV	:	Ultra Violet
WP(B)	:	Weld Preparation (Butt)
3Cr12	:	Corrosion resistant steel
µm	:	Micrometer

CWD 44.3 MATERIALS

CWD 44.3.1 Pipes and Specials

Unless otherwise indicated on the Drawings or supplementary schedules:

- All pipes and specials of 600 kPa rating and smaller than nominal diameter 600 mm, as well as all sizes of bell mouths (including the section of pipe between the bell mouth and the selector butterfly valve), shall be manufactured of stainless steel 316 L and in accordance with SANS 719.
- Pipes and specials of 600 kPa rating and nominal diameter of 600 mm and larger (excluding bell mouths) shall be manufactured of stainless steel 304 L and in accordance with SANS 719, irrespective of being in concrete or not.
- Pipes and specials of 1 000 kPa rating and nominal diameter of 600 mm and larger and embedded in soil, shall be manufactured to SANS 719 from mild steel as specified and approved by the Engineer.

CWD 44.3.2 Flanges

All flanges up to and including a size of 200 mm NB shall be manufactured from stainless steel Grade 304L or equivalent, cut from plate.

All flanges of size larger than 200 mm NB shall be manufactured from mild steel to SANS 1431 Grade 300 WA, S355 or equivalent, preferably by forging or cut from plate, or (less preferably) by welded ring segments according to AWWA C207.

The Contractor shall refer to CWD45 - Valves to confirm that drilling of flanges shall match that of the appropriate valve supplied under CWD45.

CWD 44.3.3 Collars

All collars shall be manufactured from mild steel to SANS 1431 Grade 300 WA or S355.

This Specification is supported by the following standards of which the latest publication shall apply (unless otherwise specified):

(a) American Water Works Association

AWWA: C207 : Steel pipe flanges "100mm through 3600mm".

AWWA MANUAL M11: Steel Pipe - A Guide for Design and Installation

(b) South African Bureau of Standards

SANS 121: Hot-dip galvanised coatings on fabricated iron and steel articles

SANS 564: Rubber insertion sheeting

SANS 719: Electric welded low carbon steel pipes for aqueous fluids (ordinary duties)

SANS 1123: Steel Pipe Flanges (2011 Edition 3.2)

SANS 1431: Weldable structural steels

SANS 1476: Fabricated flanged steel pipe works

SANS 1700: Fasteners

SANS 10044: Welding

(c) British Standards Institution

BS 534: Steel pipes and specials for water and sewage

BS 2494: Materials for elastomeric joint rings for pipe work and pipelines

BS 2633: Class I arc welding of ferritic steel pipe work for carrying fluids

BS 4677: Arc welding of austenitic stainless steel pipework for carrying fluids

(d) American Petroleum Institute

API 5L: Specification for line pipe

API 1104: Standard for welding pipelines and related facilities

(e) American Society of Mechanical Engineers

ASME IX: Boiler and Pressure Vessel Code

CWD 44.2.2 Definitions and Abbreviations

For the purposes of this Particular Specification, the following definitions shall apply:

Contractor:	The Party to whom the Tender comprising this Particular Specification is awarded.
Employer:	Chief Directorate Infrastructure Development of the Department of Water and Sanitation.
Engineer:	Chief Directorate Engineering Services of the Department of Water and Sanitation. For the purposes of this Particular Specification, the Engineer will be represented by the Mechanical & Electrical Engineering Directorate. Enquiries shall be directed to the compiler as listed in Annexure A.
Main Contractor:	The Directorate Construction South of the Department of Water and Sanitation. The Main Contractor shall be responsible for the raising of Clanwilliam Dam.
Specification:	This Particular Specification together with any references therein to other documents.
Corrosion Engineer:	The appointed representative from Chief Directorate Strategic Asset Management responsible for all corrosion relevant aspects and approvals.

Except as indicated below, the definitions given in SANS 10044 and SANS 719 shall apply:

Pipe means a straight cylinder of uniform diameter and of standard or non-standard length and having square-cut (plain or prepared) ends.

Specials means any pipe other than a pipe as defined above. Included are all types of specials such as bends, tees, crosses, angle branches, reducers, tapers, couplings and flanged pipes.

Exact Length as defined in SANS 719 shall be the standard pipe length stated in Clause CWD 44.5.2.1.

ABS	:	Acrylonitrile-butadiene-styrene
Al	:	Aluminium
BSPT	:	British Standard pipe thread
CI	:	Cast iron - grade 220

- The outlet works structure of approximately 39 m overall height equipped with two vertical DN 1800 pipe stacks are equipped with 7 staggered and screened horizontal intakes. The intakes consist of stainless steel 316L bell mouths, isolated at their downstream ends by DN 1800 butterfly valves (level selector valves). For maintenance purposes, the bell mouths will be isolated by a single emergency gate designed to seal against the sealing faces of the bell mouths and operated by an overhead crane on top of the outlet works structure.
- 6 off 90° DN 1800 x DN 1800 branch sweep tees and 1 off 30° Y-Piece connect the staggered horizontal intakes to twin DN 1800 vertical pipe stacks, both extending horizontally through the dam wall on top of one another and bifurcating to respective crossover chambers, one leading to the isolating valve chamber that connects to a future Hydro-electric Power Plant and the other continues to the sleeve valve controlled river outlet chamber.
- Twin DN 1000 outlet pipes bifurcating from the river outlet pipes on the left bank and connecting to the right bank crossover chamber and pipe outlet chamber.
- Two operational and one spare set of stainless steel / uPVC fine screens, manually cleaned on the emergency gate control room operating floor level (RL 124,750 masl).
- Sleeve valve river outlets fed from the twin DN 1800 main outlet and twin DN 1000 branch pipes reducing to DN 1000 and DN 600 respectively. The discharge of water shall be through two DN 1000 hooded fixed cone sleeve valves and two subsidiary DN 600 hooded fixed cone sleeve valves for river compensation flow. The DN 1000 fixed cone sleeve valves shall be isolated via DN 1800 butterfly valves installed upstream of the reducers serving these valves. Similarly, the DN 600 fixed cone sleeve valves shall be isolated via DN 1000 butterfly valves.
- An electrically operated overhead crane intended to operate the emergency gate and to allow the level selector valves to be raised to the emergency gate control room operating floor level for major maintenance off-site and for handling of all mechanical equipment in the outlet works.
- 2 off pipe outlet chambers containing a 3-off DN 1800 butterfly valve cross over system.
- 1 off pipe outlet chamber containing a 5-off DN 1000 butterfly valve cross over system.
- Pipe work from the pipe outlet chambers extending towards the flow meter chambers.
- Small diameter valves in bypasses, drains, back fill pipes, permanent water supply pipes to the operator's houses, etc.

CWD 44.1.6 Valves, heads and flows

Refer to CWD 45 - Valves for supply of valves, applicable water heads and flow velocities.

CWD 44.1.7 Tender Information

Sufficient information shall be supplied with the Tender giving enough information to make a proper assessment of the equipment offered. Information supplied shall include (but not necessarily be limited to):

- Pipe manufacturing process proposed, within the scope of the detailed Specifications;
- Material supplier proposed, within the ambit of the detailed Specifications;
- Slip coupling and flange adaptor supplier proposed.

CWD 44.2 INTERPRETATIONS

CWD 44.2.1 Standard specifications for steel pipes and specials

This Particular Specification CWD 44 shall where applicable, have preference over all other sections of this Tender Document or any Standard Specifications referred to. Technical drawings referred to in this Particular Specification shall have preference. Otherwise this Particular Specification shall rule.

This Particular Specification shall be read in conjunction with General Mechanical Specification DWS 1601 and the following Departmental Standard Specifications (which are available on request):

- Standard Specification DWS 2020: Quality Control Specification (October 2001 edition)
- Standard Specification DWS 9900: Corrosion Protection Specification (October 2002 edition)
- Standard Specification DWS 1110: CONSTRUCTION OF PIPELINES (Latest edition)
- Standard Specification DWS 1601: General Mechanical Specification (November 2015 edition)

PARTICULAR SPECIFICATIONS CWD 44

PIPES AND SPECIALS

CWD 44.1 SCOPE

CWD 44.1.1 Services Required

This Specification covers the manufacture and supply, delivery, installation and testing of electric fusion welded stainless steel grade 304L, 316L, 2205 and 3CR12 pipes and specials and low carbon steel pipes and associated specials for the conveyance of water at ambient temperatures and at medium to high pressures.

In particular, this Specification shall cover:

- (a) Manufacture of pipes, pipe ancillaries, pipe specials and delivery to Site, including the supply of all materials;
- (b) Installation, testing and Tests on Completion of pipes, pipe ancillaries and pipe specials;
- (c) Workshop corrosion protection of specials and straight pipes, complete with (where applicable) welded in-situ ancillaries (nozzles, sliding support reinforcement, anchorages, etc.);
- (d) Site corrosion protection of circumferential field welds;
- (e) Remedial corrosion protection where necessary to remedy damage to shop painting of pipes, ancillaries and specials and to valves and appurtenant equipment supplied by others occurring after handover of such equipment by the Contractor;
- (f) Site painting to stipulated final colour of pipe work, including Site painting of valves and appurtenant equipment supplied by others;
- (g) Maintenance of pipes and pipe specials during the Defects Liability Period;
- (h) Supply of all fasteners and washers for complete installation of the entire pipe system. All fasteners and gaskets for mounting of the valves (CWD45 - Valves) to the pipe work shall be supplied by the Valve Supplier.
- (i) The rendering of quality control and inspection services by an approved third party specialist Quality Control Inspector with Non-destructive Testing (NDT) capabilities

CWD 44.1.2 Deviations

Equipment shall be manufactured and corrosion protected in accordance with the requirements specified in this Specification. No deviation from the Specification will be allowed without the written approval of the Engineer.

CWD 44.1.3 Conditions of Contract

The conditions governing this Tender are as set out in the "General Conditions of Contract for Construction Works, Third Edition (2015)" together with the amendments set out in the Contract Data.

Contracts will only be awarded to Tenderers who, in the Engineer's opinion, are capable of manufacturing to the required standard. Only Tenderers who can demonstrate that they are bona fide manufacturers of the equipment as specified in this Specification, with their own manufacturing and service workshop, may tender. An established local service and spare parts network for the equipment offered shall be available. Workmanship shall conform to accepted industrial standards and welders shall be coded. The size of tools and equipment used shall be proportional to the task being carried out.

CWD 44.1.4 Guarantee

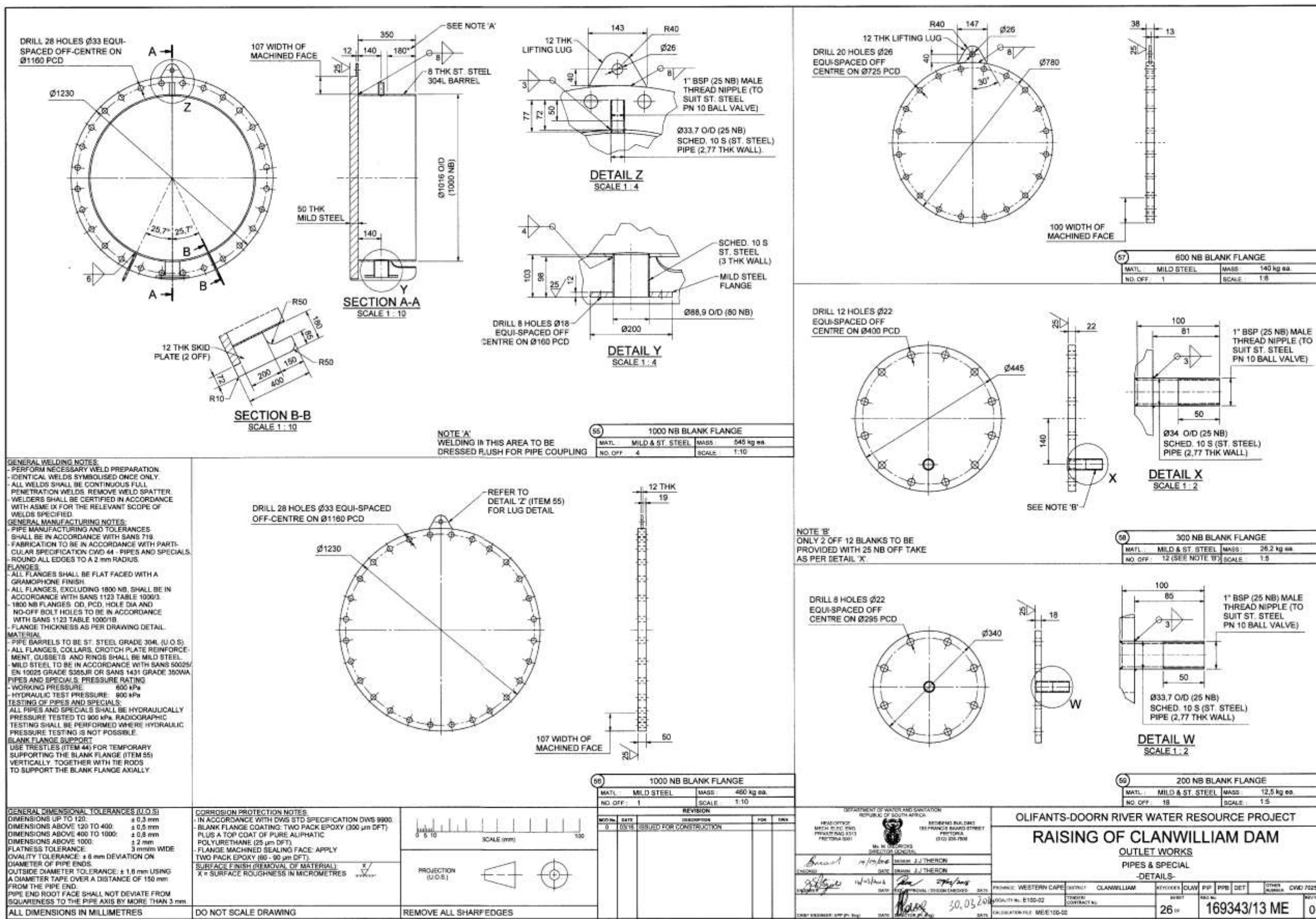
The period of guarantee or Defects Liability Period as stipulated in the "General Conditions of Contract for Construction Works, Third Edition (2015)", shall read 12 (twelve) months from the date of issue of the Certificate of Completion by the Engineer to the Contractor or on completion of full flow testing, whichever is the latest and shall terminate with the issue of the Final Approval Certificate by the Department.

CWD 44.1.5 Description of Pipe Outlet System

The Outlet Works at the Clanwilliam Dam include the following prime elements as shown on the Drawings:

Drawings showing pipe work layout:	Parts List	CWD 7000 & 7001
	Assembly Drawings	CWD 7002 to CWD 7007, CWD 7056 to CWD 7075 & CWD 7270 to CWD 7287.
	Detail Drawings	CWD 7008 to CWD 7055

- Refer to Drawing CWD 7006 for the General Assembly and Layout of the dam's Outlet Works.



BIDDERS MUST INITIAL ALL PAGES UNDER SECTION 3 SPECIFICATIONS AND SIGN THE DECLARATION BELOW.

Therewith I, _____ (Bidder's Name) declare that I have read, completed and understood the above specifications and that I comply.

BIDDER'S SIGNATURE

DEPARTMENT OF WATER AND SANITATION

BID: WTE-0599 CS

SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.

SECTION 4: SBD 3.1 – PRICING SCHEDULE

CONTENTS

PRICING INSTRUCTIONS

SBD 3.1 – PRICING SCHEDULE

PREAMBLE TO THE SBD 3.1 – PRICING SCHEDULE

1. GENERAL

The Schedule of Quantities forms part of the Contract Documents and must be read and priced in conjunction with all the other documents comprising the Contract Documents which include the Conditions of Tender, Conditions of Contract, the Specifications (including the Project Specification) and the Drawings.

2. DESCRIPTION OF ITEMS IN THE SCHEDULE

The Schedule of Quantities has been drawn up generally in accordance with Civil Engineering Quantities 1990 issued by the SA Institution of Civil Engineers.

The short descriptions of the items in the Schedule of Quantities are for identification purposes only and the measurement and payment clause of the Standardised Specifications and each Particular Specification, read together with the relevant clauses of the Project Specification and directives on the drawings, set out what ancillary or associated work and activities are included in the rates for the operations specified.

3. QUANTITIES REFLECTED IN THE SCHEDULE

The quantities given in the Schedule of Quantities are estimates only, and subject to remeasuring during the execution of the work. Where quantities or sums are indicated as "Provisional", the Employer reserves the right to adjust the quantity or sum upwards or downwards as necessary, or the item can be omitted altogether. The Contractor shall obtain the Engineer's detailed instructions for all work before ordering any materials or executing work or making arrangements for it.

The Works as finally completed in accordance with the Contract shall be measured and paid for as specified in the Schedule of Quantities and in accordance with the General and Special Conditions of Contract, the Specifications and Project Specifications and the Drawings. Unless otherwise stated, items are measured net in accordance with the Drawings, and no allowance has been made for waste.

The validity of the contract will in no way be affected by differences between the quantities in the Schedule of Quantities and the quantities finally certified for payment.

4. PRICING OF THE SCHEDULE

The prices and rates to be inserted in the Schedule of Quantities shall be the full inclusive prices to be paid by the Employer for the work described under the several items, and shall include full compensation for all costs and expenses that may be required in and for the completion and maintenance during the defects liability period of all the work described and as shown on the drawings as well as all overheads, profits, incidentals and the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the Tender is based.

Each item shall be priced and extended to the "Total" column by the Tenderer. If the Contractor omits to price any items in the Schedule of Quantities, then these items will be Considered to have a nil rate or price.

All items for which terminology such as "inclusive" or "not applicable" have been added by the Tenderer will be regarded as having a nil rate which shall be valid irrespective of any change in quantities during the execution of the Contract.

All rates and amounts quoted in the Schedule of Quantities shall be in Rand and shall include all levies and taxes (other than VAT). VAT will be added in the summary of the Schedule of Quantities.

5. CORRECTION OF ENTRIES

Incorrect entries shall not be erased or obliterated with correction fluid, use of correction fluid will invalidate your bid, but must be crossed out neatly. The correct figures must be entered above or adjacent to the deleted entry, and the alteration must be initialled by the Bidder, failure to initial where the correction was done will invalidate your bid.

6. MONTHLY PAYMENTS

Unless otherwise specified in the Specifications and Project Specifications, progress payments in Interim Certificates, referred to in Clause 16 of the National Treasury General Conditions of Contract, July 2010, in respect of "sum" items in the Schedule of Quantities shall be by means of interim progress instalments assessed by the Employers Agent and based on the measure in which the work actually carried out relates to the extent of the work to be done by the Contractor.

7. UNITS OF MEASUREMENT

The units of measurement described in the Schedule of Quantities are metric units for which the standard international abbreviations are used. Non-standard abbreviations which may appear in the Schedule of Quantities are as follows:

Non-Standard Abbreviations	
Abbreviation	Unit
%	Percent
No.	Number
Prov sum ; PS	Provisional sum
R/only ; R/o	Rate only
Sum, Lump sum	sum
W/day	Work day
h	Hour
wk	Week
d	Day
Standard Abbreviations	
kPa	kilopascal
mm	millimetre
m	metre
km	kilometre
m ²	square metre
ha	hectare
m ³	cubic metre
kN	Kilonewton
MN	meganewton
MN.m	meganewton-metre
MPa	megapascal
kg	kilogram
t	ton (1000 kg)

8. ARITHMETICAL ERRORS

Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with the evaluation criteria:

- a) the gross misplacement of the decimal point in any unit rate,
- b) omissions made in completing the pricing schedule or bill of quantities, or
- c) arithmetical errors in

- 1) line item totals resulting from the product of a unit rate and a quantity in bill of quantities or schedules of prices, or
- 2) the summation of the prices.

Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

d) If a bill of quantities or pricing schedules apply and there is an error in the line-item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.

e) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer shall be asked to revise selected item prices (and their rates if bill of quantities apply) to achieve the tendered total of the prices.

A tender offer will be rejected if the tenderer does not correct or accept the correction of errors in the required manner stipulated above.

PRICING SCHEDULE (Firm Price)

DEPARTMENT OF WATER AND SANITATION

BID: WTE-0599 CS

PRICING SCHEDULE FOR SUPPLY, MANUFACTURING AND DELIVERY OF 1000NB TEST FLANGES FOR CLANWILLIAM DAM IN THE WESTERN CAPE FOR DWS CONSTRUCTION SOUTH.

THIS BILL OF QUANTITIES MUST BE COMPLETED IN FULL – FAILURE TO COMPLY WILL INVALIDATE YOUR BID.

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

NOTE: NO PRICE ADJUSTMENTS WILL BE ALLOWED

NAME OF BIDDER:				BID NO: WTE-0599 CS	
CLOSING DATE: 22 OCTOBER 2026				CLOSING TIME: 11H00	
Item	Short description	Unit	Provisional QTY	BID PRICE (Excl. VAT)	BID AMOUNT (Excl. VAT)
1	Manufacture Pressure test flanges	No	2	R.....	R.....
2	Supply of Blank flanges	No	2	R.....	R.....
3	Supply of ancillaries				
3.1	Flexible Couplings	No.	2	R.....	R.....
3.2	1000 NB Gaskets	No.	2	R.....	R.....
3.3	80 NB Gaskets	No.	4	R.....	R.....
3.4	M30 - Fasteners	No.	60	R.....	R.....
3.5	M16 - Fasteners	No.	20	R.....	R.....
3.6	M30 x 1000mm Studs - fasteners	No.	60	R.....	R.....
3.7	Fittings, gauges and valves	PC sum	1	N/A	R 15 000
3.8	Profit on Item 3.7	%	1	10%	R1500
				TOTAL BID AMOUNT (Excluding VAT)	R.....
				15% VAT	R.....
				TOTAL BID AMOUNT (Including VAT)	R.....

NB: IN TERMS OF THE DWS SCM POLICY, THE TENDER PRICE MAY BE SUBJECTED TO PRICE NEGOTIATION WITH THE PREFERRED BIDDER, PRIOR THE SIGNING OF THE CONTRACT.

NOTE: ALL FIELDS ON THIS FORM SHOULD BE COMPLETED IN FULL. IF A FIELD IS NOT APPLICABLE, THE FIELD SHOULD BE INDICATED AS “NOT APPLICABLE”.

THE DEPARTMENT OF WATER AND SANITATION WILL NOT ENTERTAIN ANY CLAIMS FOR NON-FIRM PRICES INCREASES CLAIMED AT A LATER DATE, UNLESS SUCH NON-FIRM PRICE ADJUSTMENTS ARE CLEARLY MOTIVATED IN THIS FORM.

- | | |
|---|----------------------|
| - Required by: | Construction South |
| - At (Place where service is required): | Clanwilliam Dam |
| Delivery basis. See note hereunder | To Site |
| - Period required for delivery after receipt of order: | 60 Days |

- Delivery period: * FIRM / (6 MONTHS)
- AND / OR**
- Are you a manufacturer of the items offered by you? *YES / NO
- Name and addresses of the factories where the goods will be manufactured and may be inspected, if required?
- Does the item offered comply with any recognised Standards body (e.g. SANS) * YES / NO
- If so furnish valid certificate to this end *ATTACHED / NOT ATTACHED
- Is offer strictly to specification? * YES / NO
- If not to specification, state deviation(s)

*****"All Applicable Taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund, Contributions and skills development levies.**

NOTE: All delivery and/or transport costs must be included in the bid price.

*****"All Applicable Taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.**

Any enquiries regarding bidding procedures may be directed to the –

For administrative information
F. Groenewald or R. de Wee
groenewaldf@dws.gov.za or deweer@dws.gov.za

Or

For technical or site information
B van HEERDEN
vanheerdena@dws.gov.za