

TENDER DOCUMENT GOODS AND SERVICES		 CITY OF CAPE TOWN ISIXEKO SASEKAPA STAD KAAPSTAD
SUPPLY CHAIN MANAGEMENT		
SCM - 542	Approved by Branch Manager: February 2024	Version: 10

TENDER NO: 254G/2024/25
TENDER DESCRIPTION: SUPPLY AND DELIVERY OF WATER DISTRIBUTION MATERIALS
CONTRACT PERIOD: 36 MONTHS FROM THE COMMENCEMENT DATE OF THE CONTRACT

CLOSING DATE **28 May 2025**

CLOSING TIME **10:00 am**

TENDER BOX NUMBER **208**

TENDER FEE **R200.00**

Non – refundable tender fee payable to the City of Cape Town (CCT) for a hard copy of the tender document. This fee is not applicable to website downloads of the tender document.

TENDERER	
NAME of Company/Close Corporation or Partnership / Joint Venture/ Consortium or Sole Proprietor /Individual (hereinafter the "Tenderer")	
TRADING AS (if different from above)	
Registration number of Tenderer	
Physical address and chosen domicilium citandi et executandi of Tenderer	

NATURE OF TENDER OFFER (please indicate below)	
Main Offer (see clause 2.2.11.1)	
Alternative Offer (see clause 2.2.11.1)	

TENDER SERIAL NO.:
SIGNATURES OF CCT OFFICIALS AT TENDER OPENING
1
2
3

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THE TENDER

T.1 GENERAL TENDER INFORMATION

TENDER ADVERTISED	:	25 April 2025
SITE VISIT/CLARIFICATION MEETING	:	Time: 11:00 on Date: Tuesday 13 May 2025 (Not compulsory, but strongly recommended)
VENUE FOR SITE VISIT/CLARIFICATION MEETING	:	MS Teams Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_Mjk0ZTY3ZWMTMzc5NC00OTVILTg2M2UtZTc4YTlkNDhhMDk4%40thread.v2/0?context=%7b%22Tid%22%3a%22ff731495-b3c8-44b3-93f8-6fca8fc5a699%22%2c%22Oid%22%3a%2232c6cf49-30cf-4f34-9ce9-e47b5d7fbc0%22%7d or through the meeting ID: 321 512 903 787 and passcode: F6Yu2LT7
TENDER BOX & ADDRESS	:	Tender Box as per front cover at the Tender & Quotation Boxes Office , 2 nd Floor (Concourse Level), Civic Centre, 12 Hertzog Boulevard, Cape Town. The Tender Document (which includes the Form of Offer and Acceptance) completed and signed in all respects, plus any additional supporting documents required, must be submitted in a sealed envelope with the name and address of the tenderer, the endorsement "TENDER NO. 254G/2024/25: - TENDER DESCRIPTION: Supply and delivery of Water Distribution Materials." The tender box number. and the closing date indicated on the envelope. The sealed envelope must be inserted into the appropriate official tender box before closing time. If the tender offer is too large to fit into the abovementioned box or the box is full, please enquire at the public counter (Tender Distribution Office) for alternative instructions. It remains the tenderer's responsibility to ensure that the tender is placed in either the original box or as alternatively instructed.
CCT TENDER REPRESENTATIVE	:	Email: finance.tenders@capetown.gov.za

Tenderer to ensure that the tender number is contained as a reference on the subject line of any email sent.

TENDERERS MUST NOTE THAT WHEREVER THIS DOCUMENT REFERS TO ANY PARTICULAR TRADE MARK, NAME, PATENT, DESIGN, TYPE, SPECIFIC ORIGIN OR PRODUCER, SUCH REFERENCE SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS "OR EQUIVALENT"

T.2 CONDITIONS OF TENDER

2.1 General

2.1.1 Actions

2.1.1.1 The City of Cape Town (hereafter referred to as the "CCT") and each tenderer submitting a tender offer (hereinafter referred to as the "tenderer" or the "supplier") shall comply with item T.2 of this Tender Document Goods and Services (hereinafter referred to as these "Conditions of Tender"). The tenderer and the CCT shall collectively hereinafter be referred to as the "Parties" and individually a "Party"). In their dealings with each other, the Parties shall discharge their duties and obligations as set out in these Conditions of Tender, timeously and with integrity, and behave equitably, honestly and transparently, and shall comply with all legal obligations imposed on the Parties herein and in accordance with all applicable laws.

The Parties agree that this Tender Document Goods and Services (hereinafter referred to as the "Tender" / "Tender Document"), its evaluation and acceptance and any resulting contract shall also be subject to the CCT's Supply Chain Management Policy ('SCM Policy') that was applicable on the date the bid was advertised and as amended from time to time. If the CCT adopts a new SCM Policy which contemplates that any clause therein would apply to the Contract emanating from this tender (hereinafter referred to as the "Contract"), such clause shall also be applicable to that Contract. Please refer to this document contained on the CCT's website.

Abuse of the supply chain management system is not permitted and may result, inter alia, (1) in the tender being rejected; (2) cancellation of the contract; (3) restriction of the supplier, and/or (4) the exercise by the CCT of any other remedies available to it as provided for in the SCM Policy and/or the Contract and/or this tender and/or any applicable laws.

2.1.1.2 The CCT, the tenderer and their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the CCT shall declare any conflict of interest to the CCT at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

2.1.1.3 The CCT shall not seek, and a tenderer shall not submit a tender, without having a firm intention and capacity to proceed with the contract.

2.1.2 Interpretation

2.1.2.1 The additional requirements contained in Annexure F to the contract (hereinafter referred to as the "returnable documents" / "Returnable Schedules") are part of these Conditions of Tender and are specifically hereby incorporated into these Conditions of Tender.

2.1.2.2 These Conditions of Tender and returnable Documents which are required for CCT's tender evaluation purposes herein, shall form part of the Contract arising from the CCT's corresponding invitation to tender.

2.1.3 Communication during tender process

Verbal or any other form of communication, from the CCT, its employees, agents or advisors during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the CCT, unless communicated by the CCT in writing to suppliers / tenderers by its Director: Supply Chain Management or his nominee. Similarly, any communication of the tenderer / supplier that is not reduced to writing by the tenderer / supplier, its employees, agents or advisors, shall not be regarded as binding on the CCT, unless communicated to the CCT in writing by the suppliers / tenderers, or their duly authorised representatives.

2.1.4 The CCT's right to accept or reject any tender offer

2.1.4.1 The CCT may accept or reject any tender offer and may cancel the corresponding tender process or reject all tender offers at any time before the formation of a contract. The CCT may, prior to the award of the tender, cancel a tender if:

- (a) due to changed circumstances, there is no longer a need for the services, works or goods requested;
or
- (b) funds are no longer available to cover the total envisaged expenditure; or
- (c) no acceptable tenders are received;
- (d) there is a material irregularity in the tender process; or
- (e) the Parties are unable to negotiate market related pricing.

The CCT shall not accept or incur any liability to a tenderer for such cancellation or rejection, but will give written reasons for such action upon receiving a written request to do so.

2.1.5 Procurement procedures

2.1.5.1 General

The CCT intends to appoint two tenderers (the highest ranked tenderer ("the winner") and in addition of one "alternative tenderers") per item. If insufficient responsive bids are received, the CCT reserves the right to appoint fewer tenderers, or not to appoint any tenderers at all.

Suppliers, once appointed and subject to operational requirements, will be invited to deliver the goods or services on a "winner-takes-all" basis, whereby the order will always be offered and, if accepted, allocated to the highest ranked tenderer ("the winner"), and only if he refuses will the work be offered to the next highest ranked tenderer from the alternative tenderers.

The contract period shall be for a period of **36 months** from the commencement date of the contract.

2.1.5.2 Proposal procedure using the two stage-system

A two-stage system will not be followed.

2.1.5.3 Nomination of Standby Bidder

"Standby Bidder" means a bidder, identified by the CCT at the time of awarding a bid that will be considered for award should the contract be terminated for any reason whatsoever. In the event that a contract is terminated during the execution thereof, the CCT may consider the award of the contract, or non-award, to the Standby Bidder in terms of the procedures included its SCM Policy, as amended from time to time.

2.1.6 Objections, complaints, queries and disputes/ Appeals in terms of Section 62 of the Systems Act/ Access to court

2.1.6.1 Disputes, objections, complaints and queries

In terms of Regulations 49 and 50 of the Local Government: Municipal Finance Management Act, 56 of 2003 Municipal Supply Chain Management Regulations (Board Notice 868 of 2005):

- a) Persons aggrieved by decisions or actions taken by the CCT in the implementation of its supply chain management system, may lodge within 14 days of the decision or action, a written objection or complaint or query or dispute against the decision or action.

2.1.6.2 Appeals

- a) In terms of Section 62 of the Local Government: Municipal Systems Act, 32 of 2000 a person whose rights are affected by a decision taken by the CCT, may appeal against that decision by giving written notice of the appeal and reasons to the City Manager within 21 days of the date of the notification of the decision.

- b) An appeal must contain the following:
 - i. Must be in writing
 - ii. It must set out the reasons for the appeal
 - iii. It must state in which way the Appellant's rights were affected by the decision;
 - iv. It must state the remedy sought; and
 - v. It must be accompanied with a copy of the notification advising the person of the decision
- c) The relevant CCT appeal authority must consider the appeal and **may confirm, vary or revoke** the decision that has been appealed, but no such revocation of a decision may detract from any rights that may have accrued as a result of the decision.

2.1.6.3 Right to approach the courts and rights in terms of Promotion of Administrative Justice Act, 3 of 2000 and Promotion of Access to Information Act, 2 of 2000

The sub- clauses above do not influence any affected person's rights to approach the High Court at any time or its rights in terms of the Promotion of Administrative Justice Act (PAJA) and Promotion of Access to Information Act (PAIA).

- 2.1.6.4** All requests referring to sub clauses 2.1.6.1 and 2.1.6.2 must be submitted in writing to:
The City Manager - C/o the Manager: Legal Compliance Unit, Legal Services Department, Office of the City Manager
Via hand delivery at: 20th Floor, Tower Block, 12 Hertzog Boulevard, Cape Town 8001
Via post at: Private Bag X918, Cape Town, 8000
Via email at: MSA.Appeals@capetown.gov.za

- 2.1.6.5** All requests referring to clause 2.1.6.3 must be submitted in writing to:
The City Manager - C/o the Manager: Access to Information Unit, Legal Service Department, Office of the City Manager
Via hand delivery at: 20th Floor, Tower Block, 12 Hertzog Boulevard, Cape Town 8001
Via post at: Private Bag X918, Cape Town, 8000
Via email at: Access2info.Act@capetown.gov.za

2.1.6.6 The minimum standards regarding accessing and 'processing' of any personal information belonging to another in terms of Protection of Personal Information Act, 2013 (POPIA).

For purposes of this clause 2.1.6.6, the contract and these Conditions of Tender, the terms "data subject", "Personal Information" and "Processing" shall have the meaning as set out in section 1 of POPIA, and "Process" shall have the corresponding meaning.

The CCT, its employees, representatives and sub-contractors may, from time to time, Process the tenderer's and/or its employees', representatives' and/or sub-contractors' Personal Information, for purposes of, and/or relating to, the tender, the contract and these Conditions of Tender, for research purposes, and/or as otherwise may be envisaged in the CCT's Privacy Notice and/or in relation to the CCT's Supply Chain Management Policy or as may be otherwise permitted by law. This includes the Processing of the latter Personal Information by the CCT's due diligence assurance provider, professional advisors and the Appeal Authority as applicable. The CCT's justification for the processing of such aforesaid Personal Information is based on section 11(1)(b) of POPIA, i.e., in terms of which the CCT's Processing of the said Personal Information is necessary to carry out actions for the conclusion and/or performance of the contract, to which the applicable data subject (envisaged in this clause 2.1.6.6 above) is a party.

All requests relating to data protection must be submitted in writing to:
The City Manager - C/o the Information Officer, Office of the City Manager
Via hand delivery at: 20th Floor, Tower Block, 12 Hertzog Boulevard, Cape Town 8001
Via post at: Private Bag X9181, Cape Town, 8000
Via email at: Popia@capetown.gov.za.

2.1.6.7 Compliance to the CCTs Appeals Policy.

In terms of the CCT's Appeals Policy, a fixed upfront administration fee will be charged. In addition, a surcharge may be imposed for vexatious and frivolous or otherwise manifestly inappropriate tender related appeals.

The current approved administration fee is R300.00 and may be paid at any of the Municipal Offices or at the Civic Centre in Cape Town using the GL Data Capture Receipt attached as Annexure F.14: Appeal Application Form. Alternatively, via EFT into the CCT's NEDBANK Account: CITY OF CAPE TOWN and using Reference number: 198158966. You are required to send proof of payment when lodging your appeal.

The current surcharge for vexatious and frivolous or otherwise manifestly inappropriate tender related appeals will be calculated as ½ (Administrative cost of the tender appeal) + 0.25 % (Appellant's tender price).

Should the payment of the administration fee of R300.00 or the surcharge not be received, such fee or surcharge will be added as a Sundry Tariff to the bidder's municipal account.

In the event where the bidder does not have a Municipal account with the CCT, the fee or surcharge may be recovered in terms of the CCT's Credit Control and Debt Collection By-law, 2006 (as amended) and its Credit Control and Debt Collection Policy.

2.1.7 CCT Supplier Database Registration

Tenderers are required to be registered on the CCT Supplier Database as a service provider. Tenderers must register as such upon being requested to do so in writing and within the period contained in such a request, failing which no orders can be raised or payments processed from the resulting contract. In the case of Joint Venture partnerships this requirement will apply individually to each party of the Joint Venture.

Tenderers who wish to register on the CCT's Supplier Database may collect registration forms from the Supplier Management Unit located within the Supplier Management / Registration Office, 2nd Floor (Concourse Level), Civic Centre, 12 Hertzog Boulevard, Cape Town (Tel 021 400 9242/3/4/5). Registration forms and related information are also available on the CCT's website www.capetown.gov.za (follow the Supply Chain Management link to Supplier registration).

It is each tenderer's responsibility to keep all the information on the CCT Supplier Database updated.

2.1.8 National Treasury Web Based Central Supplier Database (CSD) Registration

Tenderers are required to be registered on the National Treasury Web Based Central Supplier Database (CSD) as a service provider. Tenderers must register as such upon being requested to do so in writing and within the period contained in such a request, failing which no orders can be raised or payments processed from the resulting contract. In the case of Joint Venture partnerships this requirement will apply individually to each party of the Joint Venture.

Tenderers who wish to register on the National Treasury Web Based Central Supplier Database (CSD) may do so via the web address <https://secure.csd.gov.za>.

It is each tenderer's responsibility to keep all the information on the National Treasury Web Based Central Supplier Database (CSD) updated.

2.2 Tenderer's obligations

2.2.1 Eligibility Criteria

2.2.1.1 Tenderers are obligated to submit a tender offer that complies in all aspects to the conditions as detailed in this tender document and the Conditions of Tender. An 'acceptable tender must "COMPLY IN ALL" aspects with the tender, Conditions of Tender, all Specifications (i.e., item C.5 below, hereinafter the "Specifications"), pricing instructions herein and the Contract including its conditions.

2.2.1.1.1 Submit a tender offer

Only those tender submissions from which it can be established, *inter alia* that a clear, irrevocable and unambiguous offer has been made to CCT, by whom the offer has been made and what the offer constitutes, will be declared responsive.

2.2.1.1.2 Compliance with requirements of CCT SCM Policy and procedures

Only those tenders that are compliant with the requirements below will be declared responsive:

- a) A completed **Details of Tenderer** to be provided (applicable schedule below to be completed);

- b) A completed **Certificate of Authority for Partnerships/ Joint Ventures/ Consortiums** to be provided authorising the tender to be made and the signatory to sign the tender on the partnership /joint venture/consortium's (applicable schedule below to be completed);
- c) A copy of the partnership / joint venture / consortium agreement to be provided, where applicable.
- d) A completed **Declaration of Interest – State Employees** to be provided and which does not indicate any non-compliance with the legal requirements relating to state employees (applicable schedule below to be completed);
- e) A completed **Declaration – Conflict of Interest and Declaration of Bidders' past Supply Chain Management Practices** to be provided and which does not indicate any conflict or past practises that renders the tender non-responsive based on the conditions contained thereon (applicable schedules below to be completed);
- f) A completed **Certificate of Independent Bid Determination** to be provided and which does not indicate any non-compliance with the requirements of the schedule (applicable schedule below to be completed);
- g) The tenderer (including any of its representatives, directors or members), has not been restricted in terms of abuse of the Supply Chain Management Policy,
- h) The tenderer's tax matters with SARS are in order, or the tenderer is a foreign supplier that is not required to be registered for tax compliance with SARS;
- i) The tenderer is not an advisor or consultant contracted with the CCT whose prior or current obligations creates any conflict of interest or unfair advantage;
- j) The tenderer is not a person, advisor, corporate entity or a director of such corporate entity, who is directly or indirectly involved or associated with the bid specification committee;
- k) A completed **Authorisation for the Deduction of Outstanding Amounts Owed to the CCT** to be provided and which does not indicate any details that renders the tender non-responsive based on the conditions contained thereon (applicable schedules below to be completed);
- l) The tenderer (including any of its representatives, directors or members), has not been found guilty of contravening the Competition Act 89 of 1998, as amended from time to time;
- m) The tenderer (including any of its representatives, directors or members), has not been found guilty on any other basis listed in the Supply Chain Management Policy.

2.2.1.1.3 Compulsory clarification meeting

Not Applicable

2.2.1.1.4 Mandatory Requirement

Tenderers must ensure that all items being tendered for, as listed in **Schedule F.15**, are accompanied by the necessary **SANS/ISO/SABS/JASWIC/AWWA/BRITISH STANDARD test reports** and **certificates** as stipulated in **Schedule F.15**. **Failure to submit these certificates with the tender submission will render the offer for that specific item non-responsive.** The required documents are applicable only to the items identified in **Schedule F.15**.

2.2.1.1.5 Minimum score for functionality

Only those tenders submitted by tenderers who achieve the minimum score for functionality as stated below will be declared responsive.

The description of the functionality criteria and the maximum possible score for each is shown in the table below. The score achieved for functionality will be the sum of the scores achieved, in the evaluation process, for the individual criteria.

SCORING TABLE ON FUNCTIONAL REQUIREMENTS				
Evaluation Criteria	Applicable values/points		Maximum Points	
<u>COMPANY EXPERIENCE</u> Contract spend in the supply and delivery of water distribution & plumbing materials will be used to test experience. All relevant contract spend will be added together to award the appropriate functionality points. Proof required: Performance Letters (Schedule F.13B) from Client. (Schedule F.13A to be completed.)	Contract Spend from R0 up to R200 000	0	30	
	Contract Spend from R200 001 up to R500 000	5		
	Contract Spend from R500 001 up to R800 000	15		
	Contract Spend from R800 001 up to R1 000 000	20		
	Contract Spend greater than R1 000 001	30		
<u>PERFORMANCE LETTERS</u> Performance Letters (Schedule F.13B) must be obtained from client(s) for works in the SUPPLY AND DELIVERY OF WATER MATERIALS & PLUMBING. Only acceptable Performance Letters as per clause 2.2.1.1.5.2 will be considered for functionality. (Schedule F.13B)	No Performance Letters submitted	0	20	
	1 x Performance Letter submitted	4		
	2 x Performance Letters submitted	8		
	3 x Performance Letters submitted	12		
	4 x Performance Letters submitted	16		
	5 or more Performance Letters submitted	20		
<u>PRODUCTS & TENDERER'S PERFORMANCE:</u> Performance Letter to be completed by tenderer's client(s) as per Schedule F.13B. Performance Assessment criteria applicable to this functionality criteria are: <ul style="list-style-type: none">• Quality of Products• Customer Satisfaction Only acceptable Performance Letters as per clause 2.2.1.1.5.2 will be considered for functionality. (Schedule F.13B).	Quality of Products		20	
	No rating or average rating less than 3 received	0		
	Average rating equal to 3 received	3		
	Average rating equal to 4 received	6		
	Average rating equal to 5 received	10		
	Customer Satisfaction			
	No rating or average rating less than 3 received	0		
	Average rating equal to 3 received	3		
	Average rating equal to 4 received	6		
	Average rating equal to 5 received	10		
	Turn-around Times			30
	No rating or average rating less than 3 received	0		
	Average rating equal to 3 received	3		
Average rating equal to 4 received	6			
Average rating equal to 5 received	10			
Accessibility and Availability				
No rating or average rating less than 3 received	0			
Average rating equal to 3 received	3			
<u>DELIVERY PERFORMANCE</u> Performance Letter to be completed by tenderer's client(s) as per Schedule F.13B. Performance Assessment criteria applicable to this functionality criteria are: <ul style="list-style-type: none">• Turn-around times• Accessibility and Availability• Reliability Only acceptable Performance Letters as per clause 2.2.1.1.5.2 will be considered for functionality.				

SCORING TABLE ON FUNCTIONAL REQUIREMENTS			
Evaluation Criteria	Applicable values/points		Maximum Points
(Schedule F.13B)	Average rating equal to 4 received	6	
	Average rating equal to 5 received	10	
	Reliability		
	No rating or average rating less than 3 received	0	
	Average rating equal to 3 received	3	
	Average rating equal to 4 received	6	
	Average rating equal to 5 received	10	
Total Achievable Points for Functional Questions			100

The minimum qualifying score for functionality is **60** out of a maximum of **100**.

Tenderers shall ensure that all relevant information has been submitted with the tender offer in the prescribed format to ensure optimal scoring of functionality points for each Evaluation Criteria. Failure to provide all information **IN THIS TENDER SUBMISSION** could result in the tenderer not being able to achieve the specified minimum scoring.

A more detailed explanation of the functionality criteria is given below:

NB. The Performance Letters (schedule F.13B) from the tenderers' clients will be required for the purposes of scoring.

2.2.1.1.5.1. Company Experience

The tenderer must provide the completed and an acceptable Performance Letter (Schedule F.13B) as evidence of experience in the supply and delivery of Water Distribution and Plumbing Materials. Points will be allocated based on the accumulated value of contract spend to demonstrate experience in the supply and delivery of water distribution and plumbing materials.

This information must be captured in Returnable Schedule F.13A.

2.2.1.1.5.2. Contract Performance Letter

The tenderer must submit the completed Contract Performance Letters from the tenderer's client(s) with the tender submission, completed and signed by the client. Failure to submit the letter(s) with the tender submission will result in the tenderer forfeiting points.

The Contract performance letter(s) will only be accepted for functionality based on the following:

- The Performance letter contains contactable information of the client.
- The Performance letter was duly signed by the client.
- The works performed was related to supply and delivery of water distribution & plumbing materials.

The tenderer must score three (3) and above in order to be eligible to obtain functionality points for the applicable criterion. Where more than one (1) performance letter has been submitted, the average will be calculated and rounded up to determine final score for points for the applicable criterion. In the event of no rating marked/ticked in the assessment matrix for that criterion, it will be regarded as the minimum score, which will be one (1).

2.2.1.1.6 Provision of samples (Not applicable)

2.2.2 Cost of tendering

The CCT will not be liable for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

2.2.3 Check documents

The documents issued by the CCT for the purpose of a tender offer are listed in the index of this tender document.

Before submission of any tender, the tenderer should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing is indistinct, or if the Price Schedule contains any obvious errors, the tenderer must apply to the CCT at once to have the same rectified.

2.2.4 Confidentiality and copyright of documents

The tenderer shall treat as strictly confidential all matters arising in connection with the tender. Use and copy the documents issued by the CCT only for the purpose of preparing and submitting a tender offer in response to the invitation.

2.2.5 Reference documents

The tenderer shall obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, Conditions of Contract and other publications, which are not attached but which are incorporated into the tender document(s) by reference.

2.2.6 Acknowledge and comply with notices

The tenderer shall acknowledge receipt of notices to the tender documents, which the CCT may issue, and shall fully comply with all instructions issued in the said notices, and if necessary, apply for an extension of the closing time stated on the front page of the tender document, in order to take the notices into account. Notwithstanding any requests for confirmation of receipt of the said notices issued, the tenderer shall be deemed to have received such notices if the CCT can show proof of transmission thereof via electronic mail, facsimile, or registered post or other lawful means.

2.2.7 Clarification meeting

The tenderer shall attend, where required, a clarification meeting at which tenderers may familiarise themselves with aspects of the proposed work, services or supply and pose questions. Details of the meeting(s) are stated in the General Tender Information (i.e., in item T.1 above).

Tenderers should be represented at the site visit/clarification meeting by a duly authorised person who is suitably qualified and experienced to comprehend the implications of the work involved.

2.2.8 Seek clarification

The tenderer shall request clarification of the tender documents, if necessary, by notifying the CCT at least one week before the closing time stated in the General Tender Information (i.e., in item T.1 above), where possible.

2.2.9 Pricing the tender offer

2.2.9.1 The tenderer shall comply with all pricing instructions as stated on the Price Schedule.

2.2.10 Alterations to documents

The tenderer shall not make any alterations or additions to the tender documents, except to comply with instructions issued by the CCT in writing, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

2.2.11 Alternative tender offers

2.2.11.1 Unless otherwise stated in the Conditions of Tender, the tenderers may submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted.

If a tenderer wishes to submit an alternative tender offer, he/she/it shall do so as a separate offer on a complete set of tender documents. The alternative tender offer shall be submitted in a separate sealed envelope clearly marked "Alternative Tender" in order to distinguish it from the main tender offer.

Only the alternative of the highest ranked acceptable main tender offer (that is, submitted by the same tenderer) will be considered, and if appropriate, recommended for award.

Alternative tender offers of any but the highest ranked main tender offer will not be considered.

An alternative tender offer to the highest ranked acceptable main tender offer that is priced higher than the main tender offer may be recommended for award, provided that the ranking of the alternative tender offer is higher than the ranking of the next ranked acceptable main tender offer.

The CCT will not be bound to consider alternative tenders and shall have sole discretion in this regard.

In the event that the alternative is accepted, the tenderer warrants that the alternative offer complies in all respects with the CCT's standards and requirements as set out in the tender document.

2.2.11.2 Acceptance of an alternative tender offer by the CCT may be based only on the criteria stated in the Conditions of Tender or applicable criteria otherwise acceptable to the CCT.

2.2.12 Submitting a tender offer

2.2.12.1 The tenderer is required to submit one tender offer only on the original tender documents as issued by the CCT, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the Conditions of Contract and described in the Specifications. Only those tenders submitted on the tender documents as issued by the CCT together with all Tender Returnable Documents duly completed and signed will be declared responsive.

2.2.12.2 The tenderer shall return the entire tender document to the CCT after completing it in its entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

2.2.12.3 The tenderer shall sign the original tender offer where required in terms of the Conditions of Tender. The tender shall be signed by a person duly authorised by the tenderer to do so. Tenders submitted by joint ventures of two or more firms shall be accompanied by the document of formation / founding document of the joint venture or any other document signed by all Parties, in which is defined precisely the conditions under which the joint venture will function, its period of duration, the persons authorised to represent and obligate it, the participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner.

2.2.12.4 Where a two-envelope system is required in terms of the Conditions of Tender, place and seal the returnable documents listed in the Conditions of Tender in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the CCT's address and identification details stated in the General Tender Information (i.e., item T.1 above), as well as the tenderer's name and contact address.

2.2.12.5 The tenderer shall seal the original tender offer and copy packages together in an outer package that states on the outside only the CCT's address and identification details as stated in the General Tender

Information. . If it is not possible to submit the original tender and the required copies (see 2.2.12.3) in a single envelope, then the tenderer must seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY" in addition to the aforementioned tender submission details.

2.2.12.6 The CCT shall not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

2.2.12.7 Tender offers submitted by facsimile or e-mail will be rejected by the CCT, unless stated otherwise in the Conditions of Tender.

2.2.12.8 By signing the offer part of the Form of Offer (**C.2, Part A hereto**) the tenderer warrants and agrees that all information provided in the tender submission is true and correct.

2.2.12.9 Tenderers shall properly deposit its bid in the designated tender box (as detailed on the front page of this tender document) on or before the closing date and before the closing time, in the relevant tender box at the Tender & Quotation Boxes Office situated on the 2nd floor, Concourse Level, Civic Centre, 12 Hertzog Boulevard, Cape Town. If the tender submission is too large to fit in the allocated box, please enquire at the public counter for assistance.

2.2.12.10 The tenderer must record and reference all information submitted contained in other documents for example cover letters, brochures, catalogues, etc. in the Returnable Schedule titled **List of Other Documents Attached by Tenderer**.

2.2.13 Information and data to be completed in all respects

Tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the CCT as non-responsive.

2.2.14 Closing time

2.2.14.1 The tenderer shall ensure that the CCT receives the tender offer, together with all applicable documents specified herein, at the address specified in the General Tender Information herein prior to the closing time stated on the front page of the tender document.

2.2.14.2 If the CCT extends the closing time stated on the front page of the tender document for any reason, the requirements of these Conditions of Tender apply equally to the extended deadline.

2.2.14.3 The CCT shall not consider tenders that are received after the closing date and time for such a tender (late tenders).

2.2.15 Tender offer validity and withdrawal of tenders

2.2.15.1 The tenderer shall warrant that the tender offer(s) remains valid, irrevocable and open for acceptance by the CCT at any time for a period of 120 days after the closing date stated on the front page of the tender document.

2.2.15.2 Notwithstanding the period stated in clause 2.2.15.1 above, bids shall remain valid for acceptance for a period of twelve (12) months after the expiry of the original validity period, unless the CCT is notified in writing of anything to the contrary by the bidder. The validity of bids may be further extended by a period of not more than six months subject to mutual agreement by the parties, administrative processes and upon approval by the City Manager, unless the required extension is as a result of an appeal process or court ruling.

In circumstances where the validity period of a tender has expired, and the tender has not been awarded, the tender process is considered "completed", despite there being no decision (award or cancellation) made. This anomaly does not fall under any of the listed grounds of cancellation and should be treated as a "non award". A "non award" is supported as a recommendation to the CCT's Bod Adjudication Committee ("BAC") for noting.

2.2.15.3 A tenderer may request in writing, after the closing date, that its tender offer be withdrawn. Such withdrawal will be permitted or refused at the sole discretion of the CCT after consideration of the reasons for the withdrawal, which shall be fully set out by the tenderer in such written request for withdrawal. Should the tender offer be withdrawn in contravention hereof, the tenderer agrees that:

- a) it shall be liable to the CCT for any additional expense incurred or losses suffered by the CCT in having either to accept another tender or, if new tenders have to be invited, the additional expenses incurred or losses suffered by the invitation of new tenders and the subsequent acceptance of any other tender;
- b) the CCT shall also have the right to recover such additional expenses or losses by set-off against monies which may be due or become due to the tenderer under this or any other tender or contract or against any guarantee or deposit that may have been furnished by the tenderer or on its behalf for the due fulfilment of this or any other tender or contract. Pending the ascertainment of the amount of such additional expenses or losses, the CCT shall be entitled to retain such monies, guarantee or deposit as security for any such expenses or loss, without prejudice to the CCT's other rights and/or remedies available to it in accordance with any applicable laws.

2.2.16 Clarification of tender offer, or additional information, after submission

Tenderer's shall promptly provide clarification of its tender offer, or additional information, in response to a written request to do so from the CCT during the evaluation of tender offers within the time period stated in such request. No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: This clause does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the CCT elect to do so.

Failure, or refusal, to provide such clarification or additional information within the time for submission stated in the CCT's written request may render the tender non-responsive.

2.2.17 Provide other material

2.2.17.1 Tenderer's shall promptly provide, upon request by the CCT, any other material that has a bearing on the tender offer, the tenderer's commercial position (including joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the CCT for the purpose of the evaluation of the tender. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the CCT's request, the CCT may regard the tender offer as non-responsive.

2.2.17.2 The tenderer shall provide, on written request by the CCT, where the transaction value inclusive of VAT **exceeds R 10 million**:

- a) audited annual financial statement for the past 3 years, or for the period since establishment if established during the past 3 years, if required by law to prepare annual financial statements for auditing;
- b) a certificate signed by the tenderer certifying that the tenderer has no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days;
- c) particulars of any contracts awarded to the tenderer by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract;
- d) a statement indicating whether any portion of the goods or services are expected to be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality or municipal entity is expected to be transferred out of the Republic.

Each entity to a Consortium/Joint Venture bid shall submit separate certificates/statements in the above regard.

2.2.17.3 Tenderers shall be required to undertake to fully cooperate with the CCT's external service provider appointed to perform a due diligence review and risk assessment upon receipt of such written instruction from the CCT.

2.2.18 Samples, Inspections, tests and analysis

Tenderers shall provide access during working hours to premises for inspections, tests and analysis as provided for in the Conditions of Tender or Specifications.

If the Specifications requires the tenderer to provide samples, these shall be provided strictly in accordance with the instructions set out in the Specification.

If such samples are not submitted as required in the bid documents or within any further time stipulated by the CCT in writing, then the bid concerned may be declared non-responsive.

The samples provided by all successful bidders will be retained by the CCT for the duration of any subsequent contract. Bidders are to note that samples are requested for testing purposes therefore samples submitted to the CCT may not in all instances be returned in the same state of supply and in other instances may not be returned at all. Unsuccessful bidders will be advised by the Project Manager or dedicated CCT Official to collect their samples, save in the aforementioned instances where the samples would not be returned.

2.2.19 Certificates

The tenderer must provide the CCT with all certificates as stated below:

2.2.19.1. Preference Points for Specific Goals

In order to qualify for preference points for HDI and/or Specific Goals, it is the responsibility of the tenderer to submit documentary proof (Company registration certification, Central Supplier Database report, BBBEE certificate, Proof of Disability, Financial Statements, commissioned sworn affidavits, etc.) in support of tenderer claims for such preference for that specific goal.

Tenderers are further referred to the content of the Preference Schedule for the full terms and conditions applicable to the awarding of preference points.

2.2.19.2 Evidence of tax compliance

Tenderers shall be registered with the South African Revenue Service (SARS) and their tax affairs must be in order and they must be tax compliant subject to the requirements of clause 2.2.1.1.2.h. In this regard, it is the responsibility of the Tenderer to submit evidence in the form of a valid Tax Compliance Status PIN issued by SARS to the CCT at the Supplier Management Unit located within the Supplier Management / Registration Office, 2nd Floor (Concourse Level), Civic Centre, 12 Hertzog Boulevard, Cape Town (Tel 021 400 9242/3/4/5), or included with this tender. The tenderer must record its Tax Compliance Status PIN number on the **Details of Tenderer** pages of the tender submission.

Each party to a Consortium/Joint Venture shall submit a separate Tax Compliance Status Pin.

Before making an award the CCT must verify the bidder's tax compliance status. Where the recommended bidder is not tax compliant, the bidder should be notified of the non-compliant status and be requested to submit to the CCT, within 7 working days, written proof from SARS that they have made arrangement to meet their outstanding tax obligations. The proof of tax compliance submitted by the bidder must be verified by the CCT via CSD or e-Filing. The CCT should reject a bid submitted by the bidder if such bidder fails to provide proof of tax compliance within the timeframe stated herein.

Only foreign suppliers who have answered "NO" to all the questions contained in the Questionnaire to Bidding Foreign Suppliers section on the **Details of Tenderer** pages of the tender submission, are not required to register for a tax compliance status with SARS.

2.2.20 Compliance with Occupational Health and Safety Act, 85 of 1993

Tenderers are to note the requirements of the Occupational Health and Safety Act, 85 of 1993. The Tenderer shall be deemed to have read and fully understood the requirements of the above Act and Regulations and to have allowed for all costs in compliance therewith.

In this regard the Tenderer shall submit **upon written request to do so by the CCT**, a Health and Safety Plan in sufficient detail to demonstrate the necessary competencies and resources to deliver the goods or services all in accordance with the Act, Regulations and Health and Safety Specification.

2.2.21 Claims arising from submission of tender

By responding to the tender herein, the tenderer warrants that it has:

- a) Inspected the Specifications and read and fully understood the Conditions of Contract.
- b) Read and fully understood the whole text of the Specifications and Price Schedule and thoroughly acquainted himself with the nature of the goods or services proposed and generally of all matters which may influence the Contract.
- c) visited the site(s) where delivery of the proposed goods will take place, carefully examined existing conditions, the means of access to the site(s), the conditions under which the delivery is to be made, and acquainted himself with any limitations or restrictions that may be imposed by the Municipal or other Authorities in regard to access and transport of materials, plant and equipment to and from the site(s) and made the necessary provisions for any additional costs involved thereby.
- d) requested the CCT to clarify the actual requirements of anything in the Specifications and Price Schedule, the exact meaning or interpretation of which is not clearly intelligible to the Tenderer.
- e) Received any notices to the tender documents which have been issued in accordance with the CCT's Supply Chain Management Policy.

The CCT will therefore not be liable for the payment of any extra costs or claims arising from the submission of the tender.

2.3 The CCT's undertakings

2.3.1 Respond to requests from the tenderer

2.3.1.1 Unless otherwise stated in the Conditions of Tender, the CCT shall respond to a request for clarification received up to one week (where possible) before the tender closing time stated on the front page of the tender document.

2.3.1.2 The CCT's duly authorised representative for the purpose of this tender is stated on the General Tender Information page above.

2.3.2 Issue Notices

If necessary, the CCT may issue addenda in writing that may amend or amplify the tender documents to each tenderer during the period from the date the tender documents are available until one week before the tender closing time stated in the Tender Data. The CCT reserves its rights to issue addenda less than one week before the tender closing time in exceptional circumstances. If, as a result a tenderer applies for an extension to the closing time stated on the front page of the tender document, the CCT may grant such extension and, shall then notify all tenderers who drew documents.

Notwithstanding any requests for confirmation of receipt of notices issued, the tenderer shall be deemed to have received such notices if the CCT can show proof of transmission thereof via electronic mail, facsimile or registered post.

2.3.3 Opening of tender submissions

2.3.3.1 Unless the two-envelope system is to be followed, CCT shall open tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the Conditions of Tender.

Tenders will be opened immediately after the closing time for receipt of tenders as stated on the front page of the tender document, or as stated in any Notice extending the closing date and at the closing venue as stated in the General Tender Information.

2.3.3.2 Announce at the meeting held immediately after the opening of tender submissions, at the closing venue as stated in the General Tender Information, the name of each tenderer whose tender offer is opened and, where possible, the prices indicated.

2.3.3.3 Make available a record of the details announced at the tender opening meeting on the CCT's website (<http://www.capetown.gov.za/en/SupplyChainManagement/Pages/default.aspx>.)

2.3.4 two-envelope system

2.3.4.1 Where stated in the Conditions of Tender that a two-envelope system is to be followed, the CCT shall open only the technical proposal of tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the Conditions of Tender and announce the name of each tenderer whose technical proposal is opened.

2.3.4.2 The CCT shall evaluate the quality of the technical proposals offered by tenderers, then advise tenderers who have submitted responsive technical proposals of the time and place when the financial proposals will be opened. The CCT shall open only the financial proposals of tenderers, who have submitted responsive technical proposals in accordance with the requirements as stated in the Conditions of Tender, and announce the total price and any preference claimed. Return unopened financial proposals to tenderers whose technical proposals were non responsive.

2.3.5 Non-disclosure

The CCT shall not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

2.3.6 Grounds for rejection and disqualification

The CCT shall determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

2.3.7 Test for responsiveness

2.3.7.1 Appoint a Bid Evaluation Committee and determine after opening whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

2.3.7.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the CCT's opinion, would:

- a) Detrimentially affect the scope, quality, or performance of the goods, services or supply identified in the Specifications,
- b) Significantly change the CCT's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of any material deviation or qualification.

The CCT reserves the right to accept a tender offer which does not, in the CCT's opinion, materially and/or substantially deviate from the terms, conditions, and specifications of the tender documents.

2.3.8 Arithmetical errors, omissions and discrepancies

2.3.8.1 Check the responsive tenders for:

- a) The gross misplacement of the decimal point in any unit rate;

- b) Omissions made in completing the Price Schedule; or
- c) Arithmetic errors in:
 - i) line item totals resulting from the product of a unit rate and a quantity in the Price Schedule; or
 - ii) The summation of the prices; or
 - iii) Calculation of individual rates.

2.3.8.2 The CCT must correct the arithmetical errors in the following manner:

- a) Where there is a discrepancy between the amounts in words and amounts in figures, the amount in words shall govern.
- b) If 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 tendered shall govern, and the unit rate shall be corrected.
- c) 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 will be asked to revise selected item prices (and their rates if Price Schedules apply) to achieve the tendered total of the prices.

Consider the rejection of a tender offer if the tenderer does not correct or accept the correction of the arithmetical error in the manner described above.

2.3.8.3 In the event of tendered rates or lump sums being declared by the CCT to be unacceptable to it because they are not priced, either excessively low or high, or not in proper balance with other rates or lump sums, the tenderer may be required to produce evidence and advance arguments in support of the tendered rates or lump sums objected to. If, after submission of such evidence and any further evidence requested, the CCT is still not satisfied with the tendered rates or lump sums objected to, it may request the tenderer to amend these rates and lump sums along the lines indicated by it.

The tenderer will then have the option to alter and/or amend the rates and lump sums objected to and such other related amounts as are agreed on by the CCT, but this shall be done without altering the tender offer in accordance with this clause.

Should the tenderer fail to amend his tender in a manner acceptable to and within the time stated by the CCT, the CCT may declare the tender as non-responsive.

2.3.9 Clarification of a tender offer

The CCT may, after the closing date, request additional information or clarification from tenderers, in writing on any matter affecting the evaluation of the tender offer or that could give rise to ambiguity in a contract arising from the tender offer, which written request and related response shall not change or affect their competitive position or the substance of their offer. Such request may only be made in writing by the Director: Supply Chain Management using any means as appropriate.

2.3.10 Evaluation of tender offers

2.3.10.1 General

2.3.10.1.1 The CCT may reduce each responsive tender offer to a comparative price and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the Conditions of Tender.

2.3.10.1.2 For evaluation purposes only, the effects of the relevant contract price adjustment methods will be considered in the determination of comparative prices as follows:

- a) If the selected method is based on bidders supplying rates or percentages for outer years, comparative prices would be determined over the entire contract period based on such rates or percentages.
- b) If the selected method is based on a formula, indices, coefficients, etc. that is the same for all bidders during the contract period, comparative prices would be the prices as tendered for year one.

- c) If the selected method is based on a formula, indices, coefficients, etc. that varies between bidders, comparative prices would be determined over the entire contract period based on published indices relevant during the 12 months prior to the closing date of tenders.
- d) If the selected method includes an imported content requiring rate of exchange variation, comparative prices would be determined based on the exchange rates tendered for the prices as tendered for year one. The rand equivalent of the applicable currency 14 days prior to the closing date of tender will be used (the CCT will check all quoted rates against those supplied by its own bank).
- e) If the selected method is based on suppliers' price lists, comparative prices would be the prices as tendered for year one.
- f) If the selected method is based on suppliers' price lists and / or rate of exchange, comparative prices would be determined as tendered for year one whilst taking into account the tendered percentage subject to rate of exchange (see sub clause (d) for details on the calculation of the rate of exchange).

2.3.10.1.3 Where the scoring of functionality forms part of a bid process, each member of the Bid Evaluation Committee must individually score functionality. The individual scores must then be interrogated and calibrated if required where there are significant discrepancies. The individual scores must then be added together and averaged to determine the final score.

2.3.10.2 Decimal places

Score financial offers, preferences and functionality, as relevant, to two decimal places.

2.3.10.3 Scoring of tenders (price and preference)

2.3.10.3.1 Points for price will be allocated in accordance with the formula set out in this clause based on the price per item / rates as set out in the **Price Schedule (C.4)**:

- Based on the sum of the prices/rates in relation to estimated quantities of 1 (per unit)

2.3.10.3.2 Points for preference will be allocated in accordance with the provisions of **Preference Schedule** and the table in this clause.

2.3.10.3.3 The terms and conditions of **Preference Schedule** as it relates to preference shall apply in all respects to the tender evaluation process and any subsequent contract.

2.3.10.3.4 Applicable formula:

The 90/10 price/preference points system will be applied to the evaluation of responsive tenders above a Rand value of R50'000'000 (all applicable taxes included), whereby the order(s) will be placed with the tenderer(s) scoring the highest total number of adjudication points.

Price shall be scored as follows:

$$Ps = 90 \times \left(1 - \frac{(Pt - Pmin)}{Pmin} \right)$$

Where: Ps is the number of points scored for price;
 Pt is the price of the tender under consideration;
 Pmin is the price of the lowest responsive tender.

Preference points shall be based on the Specific Goal as per below:

Table B2: Awards above R50 mil (VAT Inclusive)

#	Specific goals allocated points	Preference Points (90/10) <i>Above R50 mil</i>	Evidence	Additional Guidance
<i>Persons, or categories of persons, historically disadvantaged- (HDI) by unfair discrimination on the basis of</i>				
1	Gender are women (ownership)* >75% - 100% women ownership: 3 points >50% - 75% women ownership: 2 points >25% - 50% women ownership: 1 point >0% - 25% women ownership: 0.5 point 0% women ownership = 0 points	3	<ul style="list-style-type: none"> Company Registration Certification Central Supplier Database report 	<ul style="list-style-type: none"> Issued by the Companies and Intellectual Property Commission Report name: CSD Registration report
2	Race are black persons (ownership)* >75% - 100% black ownership: 3 points >50% - 75% black ownership: 2 points >25% - 50% black ownership: 1 point >0% - 25% black ownership: 0.5 point 0% black ownership = 0 points	3	<ul style="list-style-type: none"> B-BBEE certificate; Company Registration Certification Central Supplier Database report 	<ul style="list-style-type: none"> South African National Accreditation System approved certificate or commissioned sworn affidavit Issued by the Companies and Intellectual Property Commission Report name: CSD Registration report
3	Disability are disabled persons (ownership)* WHO disability guideline >2% ownership: 1 points >0% - 2% ownership: 0.5 point 0% ownership = 0 point	1	<ul style="list-style-type: none"> Proof of disability Company Registration Certification 	<ul style="list-style-type: none"> Medical certificate/ South African Revenue Services disability registration Issued by the Companies and Intellectual Property Commission
<i>Reconstruction and Development Programme (RDP) as published in Government Gazette</i>				
4	Promotion of Micro and Small Enterprises <i>Micro with a turnover up to R20million and Small with a turnover up to R80 million as per National Small Enterprise Act, 1996 (Act No.102 of 1996)</i> <i>SME partnership, sub-contracting, joint venture or consortiums</i>	3	<ul style="list-style-type: none"> B-BBEE status level of contributor; South African owned enterprises; Financial Statement to determine annual turnover 	<ul style="list-style-type: none"> Specifically in line with the respective sector codes which the company operates, South African National Accreditation System approved certificate or commissioned sworn affidavit Certificate of incorporation or commissioned sworn affidavit Latest financial statements (1 Year)
	Total points	10		

*Ownership: main tendering entity

2.3.10.5 Risk Analysis

Notwithstanding compliance with regard to any requirements of the tender, the CCT will perform a risk analysis in respect of the following:

- a) reasonableness of the financial offer
- b) reasonableness of unit rates and prices

- c) the tenderer's ability to fulfil its obligations in terms of the tender document, that is, that the tenderer can demonstrate that he/she possesses the necessary professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, capacity, experience, reputation, personnel to perform the contract, etc.; the CCT reserves the right to consider a tenderer's existing contracts with the CCT in this regard
- d) any other matter relating to the submitted bid, the tendering entity, matters of compliance, verification of submitted information and documents, etc.

The conclusions drawn from this risk analysis will be used by the CCT in determining the acceptability of the tender offer.

No tenderer will be recommended for an award unless the tenderer has demonstrated to the satisfaction of the CCT that he/she has the resources and skills required.

2.3.11 Negotiations with preferred tenderers

The CCT may negotiate the final terms of a contract with tenderers identified through a competitive tendering process as preferred tenderers provided that such negotiation:

- a) Does not allow any preferred tenderer a second or unfair opportunity;
- b) Is not to the detriment of any other tenderer; and
- c) Does not lead to a higher price than the tender as submitted.

If negotiations fail to result in acceptable contract terms, the City Manager (or his delegated authority) may terminate the negotiations and cancel the tender, or invite the next ranked tenderer for negotiations. The original preferred tenderer should be informed of the reasons for termination of the negotiations. If the decision is to invite the next highest ranked tenderer for negotiations, the failed earlier negotiations may not be reopened by the CCT.

Minutes of any such negotiations shall be kept for record purposes.

The provisions of this clause will be equally applicable to any invitation to negotiate with any other tenderers.

In terms of the CCT's SCM Policy, tenders must be cancelled in the event that negotiations fail to achieve a market related price with any of the three highest scoring tenderers.

2.3.12 Acceptance of tender offer

Notwithstanding any other provisions contained in the tender document, the CCT reserves the right to:

2.3.12.1 Accept a tender offer(s) which does not, in the CCT's opinion, materially and/or substantially deviate from the terms, conditions, and specifications of the tender document.

2.3.12.2 Accept the whole tender or part of a tender or any item or part of any item or items from multiple manufacturers, or to accept more than one tender (in the event of a number of items being offered), and the CCT is not obliged to accept the lowest or any tender.

2.3.12.3 Accept the tender offer(s), if in the opinion of the CCT, it does not present any material risk and only if the tenderer(s):

- a) is not under restrictions, has any principals who are under restrictions, or is not currently a supplier to whom notice has been served for abuse of the supply chain management system, preventing participation in the CCT's procurement,
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or

- a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing, complies with the legal requirements, if any, stated in the tender data, and
- e) is able, in the opinion of the CCT, to perform the contract free of conflicts of interest.

If an award cannot be made in terms of anything contained herein, the CCT reserves the right to consider the next ranked tenderer(s).

2.3.12.4 The CCT reserves the right not to make an award, or revoke an award already made, where the implementation of the contract may result in reputational risk or harm to the CCT as a result of (inter alia):

- a) reports of poor governance or unethical behaviour, or both;
- b) association with known notorious individuals and family of notorious individuals;
- c) poor performance issues, known to the CCT;
- d) negative media reports, including negative social media reports;
- e) adverse assurance (e.g. due diligence) report outcomes; and
- f) circumstances where the relevant vendor has employed, or is directed by, anyone who was previously employed in the service of the state (as defined in clause 1.49 of the SCM Policy), where the person is or was negatively implicated in any SCM irregularity.

2.3.12.5 The CCT reserves the right to nominate an Standby bidder at the time when an award is made and in the event that a contract is terminated during the execution thereof, the CCT may consider the award of the contract, or non-award, to the Standby Bidder in terms of the procedures included its SCM Policy.

2.3.13 Prepare contract documents

2.3.13.1 If necessary, revise documents that shall form part of the contract and that were issued by the CCT as part of the tender documents to take account of:

- a) Notices issued during the tender period,
- b) Inclusion of some of the returnable documents, and
- c) Other revisions agreed between the CCT and the successful tenderer.

2.3.13.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

2.3.14 Notice to successful and unsuccessful tenderers

2.3.14.1 Before accepting the tender of the successful tenderer the CCT shall notify the successful tenderer in writing of the decision of the CCT's Bid Adjudication Committee to award the tender to the successful tenderer. No rights shall accrue to the successful tenderer in terms of this notice

2.3.14.2 The CCT shall, at the same time as notifying the successful tenderer of the Bid Adjudication Committee's decision to award the tender to the successful tenderer, also give written notice to the other tenderers informing them that they have been unsuccessful.

2.3.15 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these Conditions of Tender, but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

TENDER DOCUMENT GOODS AND SERVICES		 <div>CITY OF CAPE TOWN ISIXEKO SASEKAPA STAD KAAPSTAD</div>	
SUPPLY CHAIN MANAGEMENT			
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TENDER NO: 254G/2024/25

TENDER DESCRIPTION: Supply and Delivery of Water Distribution Materials

CONTRACT PERIOD: 36 MONTHS FROM THE COMMENCEMENT DATE OF THE CONTRACT

THE CONTRACT

THE CITY OF CAPE TOWN	
A metropolitan municipality, established in terms of the Local Government: Municipal Structures Act, 117 of 1998 read with the Province of the Western Cape: Provincial Gazette 5588 dated 22 September 2000, as amended ("the Purchaser") herein represented by	
AUTHORISED REPRESENTATIVE	

AND

SUPPLIER	
NAME of Company/Close Corporation or Partnership / Joint Venture/ Consortium or Sole Proprietor /Individual (The "Supplier" / "tenderer")	
TRADING AS (if different from above)	
REGISTRATION NUMBER	
PHYSICAL ADDRESS / CHOSEN DOMICILIUM CITANI ET EXECTUANDI OF THE SUPPLIER	
AUTHORISED REPRESENTATIVE	
CAPACITY OF AUTHORISED REPRESENTATIVE	

(HEREINAFTER COLLECTIVELY REFERRED TO AS "THE PARTIES" AND INDIVIDUALLY A "PARTY")

NATURE OF TENDER OFFER (please indicate below)	
Main Offer (see clause 2.2.11.1)	
Alternative Offer (see clause 2.2.11.1)	

C.1 DETAILS OF TENDERER/SUPPLIER

1.1 Type of Entity (Please tick one box)

- ☐ Individual / Sole Proprietor
 ☐ Close Corporation
 ☐ Company
☐ Partnership or Joint Venture or Consortium
 ☐ Trust
 ☐ Other:

1.2 Required Details (Please provide applicable details in full):

Name of Company / Close Corporation or Partnership / Joint Venture / Consortium or Individual /Sole Proprietor	
Trading as (if different from above)	
Company / Close Corporation registration number (if applicable)	
Postal address	Postal Code _____
Physical address (Chosen Domicilium Citandi Et Executandi)	Postal Code _____
Contact details of the person duly authorised to represent the tenderer	Name: Mr/Ms _____ (Name & Surname) Telephone : (_____) _____ Fax : (_____) _____ Cellular Telephone: _____ E-mail address: _____
Income tax number	
VAT registration number	
SARS Tax Compliance Status PIN	
CCT Supplier Database Registration Number (See Conditions of Tender)	
National Treasury Central Supplier Database registration number (See Conditions of Tender)	
Is tenderer the accredited representative in South Africa for the Goods / Services / Works offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, enclose proof
Is tenderer a foreign based supplier for the Goods / Services / Works offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, answer the Questionnaire to Bidding Foreign Suppliers (below)
Questionnaire to Bidding Foreign Suppliers	a) Is the tenderer a resident of the Republic of South Africa or an entity registered in South Africa? <input type="checkbox"/> Yes <input type="checkbox"/> No
	b) Does the tenderer have a permanent establishment in the Republic of South Africa? <input type="checkbox"/> Yes <input type="checkbox"/> No
	c) Does the tenderer have any source of income in the Republic of South Africa? <input type="checkbox"/> Yes <input type="checkbox"/> No
	d) Is the tenderer liable in the Republic of South Africa for any form of taxation? <input type="checkbox"/> Yes <input type="checkbox"/> No
Other Required registration numbers	

C.2 FORM OF OFFER AND ACCEPTANCE

TENDER: 254G/2024/25 Supply and Delivery of Water Distribution Materials

C.2.1 Offer (To Be Completed by the Tenderer as Part of Tender Submission)

The tenderer, identified in the offer signature table below,

HEREBY AGREES THAT by signing the *Form of Offer and Acceptance*, the tenderer:

1. confirms that it has examined the documents listed in the Index (including Schedules and Annexures) and has accepted all the Conditions of Tender;
2. confirms that it has received and incorporated any and all notices issued to tenderers issued by the CCT;
3. confirms that it has satisfied itself as to the correctness and validity of the tender offer; that the price(s) and rate(s) offered cover all the goods and/or services specified in the tender documents; that the price(s) and rate(s) cover all its obligations and accepts that any mistakes regarding price(s), rate(s) and calculations will be at its own risk;
4. offers to supply all or any of the goods and/or render all or any of the services described in the tender document to the CCT in accordance with the:
 - 4.1 terms and conditions stipulated in this tender document;
 - 4.2 specifications stipulated in this tender document; and
 - 4.3 at the prices as set out in the **Price Schedule**.
5. accepts full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on it in terms of the Contract.

SIGNED AT _____ (PLACE) ON THE _____ (DAY) OF _____ (MONTH AND YEAR)

For and on behalf of the Supplier
(Duly Authorised)
Name and Surname:

Witness 1 Signature
Name and Surname:

Witness 2 Signature
Name and Surname:

INITIALS OF CCT OFFICIALS		
1	2	3

FORM OF OFFER AND ACCEPTANCE (continued)

TENDER 254G/2024/25 Supply and Delivery of Water Distribution Materials

C.2.2 Acceptance (To Be Completed by the CCT)

By signing this part of this *Form of Offer and Acceptance*, the CCT accepts the tenderer's (if awarded the Supplier's) offer. In consideration thereof, the CCT shall pay the Supplier the amount due in accordance with the conditions of contract. Acceptance of the Supplier's offer shall form an agreement between the CCT and the Supplier upon the terms and conditions contained in this document.

The terms of the agreement are contained in the Contract (as defined) including drawings and documents or parts thereof, which may be incorporated by reference.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the *Tender Returnable Documents* as well as any changes to the terms of the offer agreed by the tenderer and the CCT during this process of offer and acceptance, are contained in the *Schedule of Deviations* attached to and forming part of this *Form of Offer and Acceptance*. No amendments to or deviations from said documents are valid unless contained in the *Schedule of Deviations*.

The Supplier shall within 2 (two) weeks after receiving a complete, copy of the Contract, including the *Schedule of Deviations* (if any), contact the CCT to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documents to be provided in terms the *Special Conditions of Contract*. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation / breach of the agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the Commencement Date, being the date upon which the Supplier confirms receipt from the CCT of 1 (one) complete, signed copy of the Contract, including amendments or deviations contained in the *Schedule of Deviations* (if any).

For and on behalf of the City of Cape Town
(Duly Authorised)
Name and Surname:

Witness 1 Signature
Name and Surname:

Witness 2 Signature
Name and Surname:

FORM OF OFFER AND ACCEPTANCE (continued)

TENDER: 254G/2024/25 Supply and Delivery of Water Distribution Materials

C.2.3 Schedule of Deviations (To be Completed by the CCT upon Acceptance)

Notes:

1. The extent of deviations from the tender documents issued by the CCT before the tender closing date, is limited to those permitted in terms of the conditions of tender.
2. A tenderer's covering letter shall not be included in the final Contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties to become an obligation of the Contract, shall be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall form part of the Contract.

1 Subject

Details

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.....
.....

2 Subject

Details

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3 Subject

Details

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4 Subject

Details

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By the duly authorised representatives signing this agreement, the CCT and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to this tender document and addenda thereto as listed in the *Tender Returnable Documents*, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the CCT during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the Commencement Date, shall have any meaning or effect between the Parties arising from the agreement.

FORM OF OFFER AND ACCEPTANCE (continued)

TENDER 254G/2024/25 Supply and Delivery of Water Distribution Materials

C.2.4 Confirmation of Receipt (To be Completed by Supplier upon Acceptance)

The Supplier identified in the offer part of the Contract hereby confirms receipt from the CCT of 1 (one) complete, signed copy of the Contract, including the *Schedule of Deviations* (if any) on:

The..... (Day)

Of..... (Month)

20..... (year)

At..... (Place)

For the Supplier: Signature(s)

Name(s)

Capacity

Signature and name of witness:

Signature Name

ONLY TO BE
COMPLETED AT
ACCEPTANCE STAGE

C.3 OCCUPATIONAL HEALTH AND SAFETY AGREEMENT

AGREEMENT MADE AND ENTERED INTO BETWEEN THE CCT (HEREINAFTER CALLED THE "CCT")
AND

.....,
(Supplier/Mandatar y/Company/CC Name)

IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, 85 OF 1993 AS AMENDED.

I,, representing

....., as an employer
in its own right in its own right, do hereby undertake to ensure, as far as is reasonably practicable, that all work
will be performed, and all equipment, machinery or plant used in such a manner as to comply with the
provisions of the Occupational Health and Safety Act (hereafter "OHS A") and the Regulations promulgated
thereunder.

I furthermore confirm that I am/we are registered with the Compensation Commissioner and that all registration
and assessment monies due to the Compensation Commissioner have been fully paid or that I/We are insured
with an approved licensed compensation insurer.

COID ACT Registration Number:

OR Compensation Insurer: Policy No.:

I undertake to appoint, where required, suitable competent persons, in writing, in terms of the requirements of
OHS A and the Regulations and to charge him/them with the duty of ensuring that the provisions of OHS A and
Regulations as well as the Council's Special Conditions of Contract, Way Leave, Lock-Out and Work Permit
Procedures are adhered to as far as reasonably practicable.

I further undertake to ensure that any subcontractors employed by me will enter into an occupational health
and safety agreement separately, and that such subcontractors comply with the conditions set.

I hereby declare that I have read and understand the Occupational Health and Safety Specifications contained
in this tender and undertake to comply therewith at all times.

I hereby also undertake to comply with the Occupational Health and Safety Specification and Plan submitted
and approved in terms thereof.

Signed aton the.....day of.....20....

Witness

Mandatar y

Signed at..... on the.....day of.....20

Witness

for and on behalf of
CCT

C.4 PRICE SCHEDULE

Bid specifications may not make any reference to any particular trade mark, name, patent, design, type, specific origin or producer, unless there is no other sufficiently precise or intelligible way of describing the characteristics of the work, in which case such reference must be accompanied by the words "or equivalent".

TENDERERS MUST NOTE THAT WHEREVER THIS DOCUMENT REFERS TO ANY PARTICULAR TRADE MARK, NAME, PATENT, DESIGN, TYPE, SPECIFIC ORIGIN OR PRODUCER, SUCH REFERENCE SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS "OR EQUIVALENT"

Pricing Instructions:

- 5.1 State the rates and prices in Rand unless instructed otherwise in the Conditions of Tender.
- 5.2 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the General Tender Information.
- 5.3 All prices tendered must include all expenses, disbursements and costs (e.g. transport, accommodation etc.) that may be required for the execution of the tenderer's obligations in terms of the Contract, and shall cover the cost of all general risks, liabilities and obligations set forth or implied in the Contract as well as overhead charges and profit (in the event that the tender is successful). All prices tendered will be final and binding.
- 5.4 All prices shall be tendered in accordance with the units specified in this schedule.
- 5.5 Where a value is given in the Quantity column, a Rate and Price (the product of the Quantity and Rate) is required to be inserted in the relevant columns.
- 5.6 The successful tenderer is required to perform all tasks listed against each item. The tenderer must therefore tender prices/rates on all items as per the section in the Price Schedule. **An item against which no rate is/are entered, or if anything other than a rate or a nil rate (for example, a zero, a dash or the word "included" or abbreviations thereof) is entered against an item, it will also be regarded as a nil rate having been entered against that item, i.e. that there is no charge for that item. The Tenderer may be requested to clarify nil rates, or items regarded as having nil rates; and the CCT may also perform a risk analysis with regard to the reasonableness of such rates.**
- 5.7 Provide fixed rates and prices for the duration of the contract that are not subject to adjustment except as otherwise provided for in clause 17 of the Conditions of Contract and as amplified in the Special Conditions of Contract.
- 5.8 Prices tendered below will be fixed and firm from the date of commencement of contract for a period of 12 months, and thereafter will be subject to adjustment in accordance with Schedule F.1: Contract Price Adjustment and / or Rate of Exchange Variation. Firm prices will not be considered and the tender will be declared non-responsive. **In determining their prices, the tenderers must consider/factor in all possible price-determining factors in anticipation that the possible implementation date of this contract is July 2026, meaning the tendered rate as at tender closing must remain valid/fixed until June 2027.**
- 5.9 The tender will be awarded per line item. Tenderers may therefore tender on any/ all items of choice.
- 5.10 For items being tendered for in the pricing table below (C.4 Pricing Schedule) that are also listed in **Schedule F.15**, the **required Product Data Sheets and certificates** as per the **mandatory requirements** in **clause 2.2.1.1.4** must be submitted with the tender submission. **Failure to submit these certificates will render the offer for that specific item non-responsive.**

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
1	New code	ADAPTOR - TYPE: Stub Flange; MATERIAL: HDPE; SIZE: 90mm; SPECIFIC USE: Connect 90mm HDPE pipe to DN80 flange; SPECIFICATION: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
2	200025577	ADAPTOR - TYPE: Stub Flange; MATERIAL: HDPE; SIZE: 110mm; SPECIFIC USE: Connect 110mm HDPE pipe to DN100 flange; SPECIFICATION: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
3	200025578	ADAPTOR - TYPE: Stub Flange; MATERIAL: HDPE; SIZE: 160mm; SPECIFIC USE: Connect 160mm HDPE pipe to DN150 flange; SPECIFICATION: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
4	200025579	ADAPTOR - TYPE: Stub Flange; MATERIAL: HDPE; SIZE: 200mm; SPECIFIC USE: Connect 200mm HDPE pipe to DN200 flange; SPECIFICATION: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
5	47308000057525	BEND - TYPE: Double Flange; MATERIAL: Mild Steel; SIZE: 100mm; DEGREE: 90 Deg; SPECIFICATIONS: Table D and cement lined internally and externally; STANDARDS: Cement lining - AWWA C602-83 with SANS 62.	EA			
6	200025573	BEND - TYPE: Double Flange; MATERIAL: Mild Steel; SIZE: 150mm; DEGREE: 90 Deg; SPECIFICATIONS: Table D and cement lined internally and externally; STANDARDS: Cement lining - AWWA C602-83 with SANS 62.	EA			
7	200025574	BEND - TYPE: Double Flange; MATERIAL: Mild Steel; SIZE: 200mm; DEGREE: 90 Deg; SPECIFICATIONS: Table D and cement lined internally and externally; STANDARDS: Cement lining - AWWA C602-83 with SANS 62	EA			
8	56308000137944	BEND - TYPE: Duckfoot; MATERIAL: Cast Iron Bitumen Coated.; SIZE: 75mm; STANDARDS: SABS Certified, SANS 14 and bearing the SABS mark scheme where applicable.	EA			
9	B000445	BEND - TYPE: Plain Ended Cement Lined; MATERIAL: Mild Steel; SIZE: 150mm; DEGREE: 90 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
10	B000315	BEND - TYPE: Plain Ended d; MATERIAL: Mild Steel; SIZE: 75mm; DEGREE: 90 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
11	56308000137812	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 100mm; DEGREE: 45 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable	EA			
12	B000425	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 100mm; DEGREE: 90 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
13	B000435	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 150mm; DEGREE: 11.25 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
14	200025576	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 200mm; DEGREE: 11.25 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable	EA			
15	B000325	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 200mm; DEGREE: 45 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
16	200025575	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 200mm; DEGREE: 90 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable	EA			
17	B000330	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 300mm; DEGREE: 11.25 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
18	B000340	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 300mm; DEGREE: 22.5 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
19	200023623	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 300mm; DEGREE: 45 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
20	B000470	BEND - TYPE: Plain Ended; MATERIAL: Mild Steel; SIZE: 75mm; DEGREE: 45 Deg; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable	EA			
21	S00394336	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 110mm; DEGREE: 11.25 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
22	47308000394343	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 110mm; DEGREE: 22.5 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
23	S00394351	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 110mm; DEGREE: 45 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
24	S00394378	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 110mm; DEGREE: 90 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable	EA			
25	S00058424	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 160mm; DEGREE: 11.25 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS966-1 and bearing the SABS mark scheme where applicable.	EA			
26	200014848	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 160mm; DEGREE: 22.5 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS966-1 and bearing the SABS mark scheme where applicable	EA			
27	S00058777	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 160mm; DEGREE: 45 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
28	S00394337	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 160mm; DEGREE: 90 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS966-1 and bearing the SABS mark scheme where applicable.	EA			
29	200007984	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 200mm; DEGREE: 45 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
30	200017187	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 250mm; DEGREE: 11.25 Deg; SPECIFICATIONS: Class 16. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
31	200017186	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 250mm; DEGREE: 22.5 Deg; SPECIFICATIONS: Class 16. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
32	200017185	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 250mm; DEGREE: 45 Deg; SPECIFICATIONS: Class 16. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
33	200017279	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 250mm; DEGREE: 90 Deg; SPECIFICATIONS: Class 16. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable	EA			
34	200012457	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 90mm; DEGREE: 22.5 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
35	200012456	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 90mm; DEGREE: 45 Deg; SPECIFICATIONS: Class 12. With integral Socket	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		andRubber Ring Seal; STANDARDS: SABS Certified,SANS:966-1 and bearing the SABS mark scheme where applicable				
36	200012459	BEND - TYPE: Socketed One End with integral rubber seal; MATERIAL: uPVC; SIZE: 90mm; DEGREE: 90 Deg; SPECIFICATIONS: Class 12. With Integral Socket and Rubber Seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
37	47308000054488	BLANK END CAP - TYPE: Plain; MATERIAL: Mild Steel; SIZE: 100mm; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining AWWA C602-83 and SABS Certification, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
38	47308000054496	BLANK END CAP - TYPE: Plain; MATERIAL: Mild Steel; SIZE: 150mm; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining AWWA C602-83 and SABS Certification, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
39	200025580	BLANK END CAP - TYPE: Plain; MATERIAL: Mild Steel; SIZE: 200mm; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining AWWA C602-83 and SABS Certification, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
40	B001565	BLANK END CAP - TYPE: Plain; MATERIAL: Mild Steel; SIZE: 250mm; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining AWWA C602-83 and SABS Certification, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
41	200023624	BLANK END CAP - TYPE: Plain; MATERIAL: Mild Steel; SIZE: 300mm; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining AWWA C602-83 and SABS Certification, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
42	O80072	BLANK END CAP - TYPE: Plain; MATERIAL: Mild Steel; SIZE: 50mm; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining AWWA C602-83 and SABS Certification, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
43	O80073	BLANK END CAP - TYPE: Plain; MATERIAL: Mild Steel; SIZE: 75mm; COATING: Internal to be cement lined, external to be red oxide coating; STANDARDS: Cement Lining AWWA C602-83 and SABS Certification, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
44	200001919	BLANK END CAP - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 110mm; COATING: External to be Bitumen Coated; SPECIFICATIONS: Integral rubber ring seal; STANDARDS: SABS Certification, SANS 52842 and bearing the SABS mark scheme where applicable.	EA			
45	200010128	BLANK END CAP - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 160mm; COATING: External to be Bitumen Coated; SPECIFICATIONS: Integral rubber ring seal; STANDARDS: SABS Certification, SANS 52842 and bearing the SABS mark scheme where applicable.	EA			
46	200025591	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 100mm; OUTSIDE DIAMETER: 118mm; LENGTH: 259mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2				
47	200025592	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 100mm; OUTSIDE DIAMETER: 118mm; LENGTH: 259mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
48	200025593	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 110mm; OUTSIDE DIAMETER: 110mm LENGTH: 285mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
49	200025594	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 150mm; OUTSIDE DIAMETER: 169mm +-2mm LENGTH: 268mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
50	200025595	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 150mm; OUTSIDE DIAMETER: 169mm; LENGTH: 268mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
51	200025596	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 160mm; OUTSIDE DIAMETER: 160mm LENGTH: 338mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
52	200025597	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 200mm; OUTSIDE DIAMETER: 200mm LENGTH: 365mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
53	200025598	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 200mm; OUTSIDE DIAMETER: 220mm; LENGTH: 273mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
54	200025599	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 200mm; OUTSIDE DIAMETER: 220mm; LENGTH: 273mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
55	200025600	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 225mm; OUTSIDE DIAMETER: 271.6mm; LENGTH: 298.5mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
56	200025601	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 250mm; OUTSIDE DIAMETER: 250mm LENGTH: 405mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
57	200025602	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 250mm; OUTSIDE DIAMETER: 271.6mm; LENGTH: 298.5mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
58	200025603	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 250mm; OUTSIDE DIAMETER: 322.8mm; LENGTH: 280mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
59	200025604	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 300mm; OUTSIDE DIAMETER: 322.8mm; LENGTH: 280mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
60	200025605	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 300mm; OUTSIDE DIAMETER: 374mm; LENGTH: 414mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
61	200025606	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 315mm; OUTSIDE DIAMETER: 315mm LENGTH:440mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
62	200025607	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 350mm; OUTSIDE DIAMETER: 374mm; LENGTH: 414mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:3mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
63	200025608	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 350mm; OUTSIDE DIAMETER: 425.6mm; LENGTH: 360mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
64	200025609	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 355mm; OUTSIDE DIAMETER: 355mm LENGTH:462mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
65	200025610	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 400mm; OUTSIDE DIAMETER: 400mm LENGTH:496mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2				
66	200025611	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 400mm; OUTSIDE DIAMETER: 425.6mm; LENGTH: 360mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:3mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
67	200025612	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 400mm; OUTSIDE DIAMETER: 476.8mm +-LENGTH: 393mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
68	200025613	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 450mm; OUTSIDE DIAMETER: 450mm LENGTH:544mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
69	200025614	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 450mm; OUTSIDE DIAMETER: 476.8mm; LENGTH: 393mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:3mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
70	200025615	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 450mm; OUTSIDE DIAMETER: 528mm; LENGTH: 364mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
71	200025616	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 500mm; OUTSIDE DIAMETER: 500mm LENGTH:594mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
72	200025617	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 500mm; OUTSIDE DIAMETER: 528mm; LENGTH: 364mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:3mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
73	200025618	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 500mm; OUTSIDE DIAMETER: 630.8mm; LENGTH: 385mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; Diameter Tolerance:2mm; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
74	200025555	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 50mm; OUTSIDE DIAMETER: 50mm LENGTH: 210mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
75	200025556	CLAMP - TYPE: Joint Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 75mm; OUTSIDE DIAMETER: 75mm LENGTH: 260mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
76	00C00411	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 150mm; NOMINAL SIZE: 50mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 45mm - 55mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
77	200016638	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 150mm; NOMINAL SIZE: 63mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 59mm - 67mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
78	200008581	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL PIPE SIZE: 100mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 121mm - 130mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.				
79	00C00413	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL PIPE SIZE: 110mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 104mm - 113mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
80	O80679	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL PIPE SIZE: 150mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 174mm - 183mm; SPECIFIC USE: Asbestos Cement; OUTLET SIZE: 25mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
81	200007466	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL PIPE SIZE: 150mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 174mm - 183mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
82	200014566	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL PIPE SIZE: 160mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 150mm - 161mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
83	200011735	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL PIPE SIZE: 200mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 196mm - 205mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
84	200011749	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL PIPE SIZE: 200mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 229mm - 238mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
85	B006870	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL SIZE: 100mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 121mm - 130mm; SPECIFIC USE: Asbestos Cement; OUTLET SIZE: 50mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
86	B006890	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL SIZE: 150mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 174mm - 183mm; SPECIFIC USE: Asbestos Cement; OUTLET SIZE: 50mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
87	O80632	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL SIZE: 200mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 247mm - 257mm; SPECIFIC USE: For Asbestos Cement; OUTLET SIZE: 54mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
88	200011789	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL SIZE: 75mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 95mm - 104mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
89	200011794	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 300mm; NOMINAL PIPE SIZE: 250mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 281mm - 290mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
90	200011733	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 300mm; NOMINAL PIPE SIZE: 300mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 312mm - 322mm; SPECIFIC USE: For uPVC Pipe; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
91	200011734	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 300mm; NOMINAL SIZE: 225mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 248mm - 257mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.				
92	S00389106	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 300mm; NOMINAL SIZE: 225mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 255mm - 268mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
93	200011733	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 400mm; NOMINAL PIPE SIZE: 300mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 325mm - 335mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
94	200014557	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 400mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 343mm - 355mm; SPECIFIC USE: For Asbestos Cement; SIZE: 350mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
95	200011790	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; NOMINAL SIZE: 50mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 69mm - 76mm; SPECIFIC USE: For 50mm Asbestos Cement pipe & 75mm uPVC pipe; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
96	ST7501148	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Half Clamp; LENGTH: 75mm; NOMINAL PIPE SIZE: 15mm; PN RATING: 16 bar; SPECIFICATIONS: Complete with nuts, bolts and rubber seal.	EA			
97	ST7501147	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Half Clamp; LENGTH: 75mm; NOMINAL PIPE SIZE: 20mm; PN RATING: 16 bar; SPECIFICATIONS: Complete with nuts, bolts and rubber seal.	EA			
98	ST7501146	CLAMP - TYPE: Pipe Repair; MATERIAL: Stainless Steel 316; SHAPE: Half Clamp; LENGTH: 75mm; NOMINAL PIPE SIZE: 25mm; PN RATING: 16 bar; SPECIFICATIONS: Complete with nuts, bolts and rubber seal.	EA			
99	200025557	CLAMP - TYPE: Pipe Repair; SHAPE: FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 110mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			

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100	200025558	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 118mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
101	200025559	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 150mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
102	200025596	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 160mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
103	200025621	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 169mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
104	200025622	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 200mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
105	200025623	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 200mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
106	200025624	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 220mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
107	200025625	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 250mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2				
108	200025626	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 260mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
109	200025627	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 271.6mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
110	200025628	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 315mm; LENGTH: 1000mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
111	200025629	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 322.8mm; LENGTH: 1000mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
112	200025630	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 355mm; LENGTH: 1000mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
113	200025631	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 374mm; LENGTH: 1000mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			

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114	200025632	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 378mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
115	200025633	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 400mm; LENGTH: 1000mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
116	200025634	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 425.6mm; LENGTH: 1000mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
117	200025635	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 490mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For AC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
118	200025636	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 50mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
119	200025637	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 75mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For uPVC Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			
120	200025638	CLAMP - TYPE: Pipe Repair; SHAPE:FULL CIRCUMFERENCE MATERIAL: Ductile iron; NOMINAL PIPE SIZE: 93mm; LENGTH: 500mm; PN RATING: 16 bar; SPECIFIC USE: For Cast Iron Pipe; SPECIFICATION: Complete with Stainless steel nuts, bolts and bleed plug, Rubber seal constructed from two halves injection moulded from virgin EPDM rubber (E676); COATING: Electrostatically applied 250 micron fusion bonded epoxy; STANDARDS: Manufactured according to SANS 1808-45; SANS 1808-2	EA			

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121	O80628	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 150mm; NOMINAL SIZE: 50mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 69mm - 76mm; SPECIFIC USE: For Asbestos Cement; DRILLING: 22mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
122	200016639	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL PIPE SIZE: 110mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 104mm - 113mm; SPECIFIC USE: For uPVC Pipe; DRILLING: 25mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
123	B006860	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 200mm; NOMINAL SIZE: 100mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 121mm - 130mm; SPECIFIC USE: For Asbestos Cement; DRILLING: 20mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
124	B006865	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 250mm; NOMINAL SIZE: 100mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 121mm - 130mm; SPECIFIC USE: For Asbestos Cement; DRILLING: 25mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
125	B006885	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 250mm; NOMINAL SIZE: 150mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 173mm - 183mm; SPECIFIC USE: For Asbestos Cement; DRILLING: 25mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding.; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
126	B006880	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 250mm; NOMINAL SIZE: 150mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 174mm - 183mm; SPECIFIC USE: For Asbestos Cement; DRILLING: 20mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
127	S00055970	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 250mm; NOMINAL SIZE: 200mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 195mm - 205mm; SPECIFIC USE: For uPVC Pipe; DRILLING: 40mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS:	EA			

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		Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.				
128	S00055971	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 250mm; NOMINAL SIZE: 200mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 195mm - 205mm; SPECIFIC USE: For uPVC Pipe; DRILLING: 50mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
129	S00055972	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 250mm; NOMINAL SIZE: 250mm; PN RATING: 12 bar; OUTSIDE DIAMETER RANGE: 248mm - 257mm; SPECIFIC USE: For uPVC Pipe; DRILLING: 25 mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
130	S00055975	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 250mm; NOMINAL SIZE: 315mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 310mm - 320mm; SPECIFIC USE: For uPVC Pipe; DRILLING: 40 mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
131	S00055977	CLAMP - TYPE: Tapped Repair; MATERIAL: Stainless Steel 316; SHAPE: Full Circumference; LENGTH: 250mm; NOMINAL SIZE: 315mm; PN RATING: 16 bar; OUTSIDE DIAMETER RANGE: 310mm - 320mm; SPECIFIC USE: For uPVC Pipe; DRILLING: 50 mm; SPECIFICATIONS: Complete with nuts, bolts and Stainless Steel GR316 hot vulcanized into the rubber seal at the time of moulding; STANDARDS: Manufactured according to SANS1808-45. The test needs to be conducted by a reputable independent test laboratory. Test report should not be older than 24 months.	EA			
132	B002056	COLLAR - MATERIAL: PVC; SIZE: 200mm; SPECIFICATIONS: Class 34; STANDARDS: SANS 791.	EA			
133	47308000389056	COLLAR - TYPE: Weld-On; MATERIAL: Mild Steel; WIDTH: 100mm; INTERNAL DIAMETER: 114.30mm; THICKNESS: 4.50mm; COATING: Internal and external to be red oxide coated; SPECIFIC USE: joining steel pipes; STANDARDS: SANS 719.	EA			
134	47308000389064	COLLAR - TYPE: Weld-On; MATERIAL: Mild Steel; WIDTH: 100mm; INTERNAL DIAMETER: 165mm; THICKNESS: 4.50mm; COATING: Internal and external to be red oxide coated; SPECIFIC USE: Joining steel pipes; STANDARDS: SANS 719.	EA			
135	47308000389072	COLLAR - TYPE: Weld-On; MATERIAL: Mild Steel; WIDTH: 100mm; INTERNAL DIAMETER: 243.30mm; THICKNESS: 4.50mm; COATING: Internal and external to be red oxide coated; SPECIFIC USE: Joining steel pipes; STANDARDS: SANS 719.	EA			
136	47308000389080	COLLAR - TYPE: Weld-On; MATERIAL: Mild Steel; WIDTH: 100mm; INTERNAL DIAMETER: 325.85mm; THICKNESS: 4.50mm; COATING: Internal and external to be red oxide coated; SPECIFIC USE: Joining steel pipes; STANDARDS: SANS 719.	EA			

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137	47308000423157	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 100mm; OD - AC PIPE: 122mm; OD - UPVC PIPE: 110mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
138	200010160	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 150mm; OD - AC PIPE: 177mm; OD - UPVC PIPE: 160mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
139	200007988	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 232mm; OD - AC PIPE: 200mm; OD - UPVC PIPE: 200mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
140	200007103	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 250mm; OD - AC PIPE: 286mm; OD - UPVC PIPE: 250mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
141	200007102	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 315mm; OD - AC PIPE: 345mm; OD - UPVC PIPE: 315mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
142	200007105	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 350mm; OD - AC PIPE: 382mm; OD - UPVC PIPE: 350mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
143	200005536	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 50mm; OD - AC PIPE: 69mm; OD - UPVC PIPE: 50mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
144	O80630	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 50mm; OD - AC PIPE: 69mm; OD - UPVC PIPE: 63mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
145	200005537	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 75mm; OD - AC PIPE: 80mm; OD - UPVC PIPE: 75mm; SPECIFIC USE: uPVC To AC Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
146	O80134	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 75mm; OD - AC PIPE: 96mm; OD - UPVC PIPE: 75mm; SPECIFIC USE: uPVC To Asbestos Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			
147	ST7501167	COUPLING - TYPE: Adaptor; MATERIAL: uPVC; NOMINAL SIZE: 92mm; OD - UPVC PIPE: 97mm; SPECIFIC USE: uPVC To AC Pipe; SPECIFICATIONS: Class 12 socketed one end with integral rubber seal; STANDARDS: SABS Certified, SANS:966-1 and bearing the SABS mark scheme where applicable.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
148	New code	COUPLING - TYPE: Electrofusion; MATERIAL: HDPE; SIZE: 90mm; SPECIFIC USE: Connect 90mm HDPE to one another via electrofusion welding; SPECIFICATIONS: Class 16 (SDR11) PE100, Must be barcoded with all relevant information listed such as welding time and cooling down time; STANDARDS: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136	EA			
149	200025684	COUPLING - TYPE: Electrofusion; MATERIAL: HDPE; SIZE: 110mm; SPECIFIC USE: Connect 110mm HDPE to one another via electrofusion welding; SPECIFICATIONS: Class 16 (SDR11) PE100, Must be barcoded with all relevant information listed such as welding time and cooling down time; STANDARDS: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136	EA			
150	200025685	COUPLING - TYPE: Electrofusion; MATERIAL: HDPE; SIZE: 160mm; SPECIFIC USE: Connect 110mm HDPE to one another via electrofusion welding; SPECIFICATIONS: Class 16 (SDR11) PE100, Must be barcoded with all relevant information listed such as welding time and cooling down time; STANDARDS: SANS 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14.	EA			
151	200025686	COUPLING - TYPE: Electrofusion; MATERIAL: HDPE; SIZE: 200mm; SPECIFIC USE: Conect 110mm HDPE to one another via electrofusion welding; SPECIFICATIONS: Class 16 (SDR11) PE100, Must be barcoded with all relevant information listed such as welding time and cooling down time; STANDARDS: SANS 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14.	EA			
152	200010252	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 100mm; RANGE: 108mm - 128mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers; STANDARDS: SANS 52842 and/or JASWIC Approved.	EA			
153	200021855	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 110mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drilled with integral socket and rubber seal,3 layers of epoxy coating minimum 125 micron per coat; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	EA			
154	200010243	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 150mm; RANGE: 159mm -182mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers; STANDARDS: SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
155	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 160mm; RANGE: 150mm - 170mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat, Stainless steel nuts, bolts & washers; STANDARDS: SANS 52842 and/or JASWIC Approved.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
156	200021856	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 160mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drilled with integral socket and rubber seal,3 layers of epoxy coating minimum 125 micron per coat.; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	EA			
157	200010240	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 250mm; RANGE: 235mm - 252mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat, Stainless steel nuts, bolts & washers; STANDARDS: SANS 52842 and/or JASWIC Approved.	EA			
158	200010274	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 300mm; RANGE: 315mm -332mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat, Stainless steel nuts, bolts & washers; STANDARDS: SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
159	200010239	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 400mm; RANGE: 391mm -407mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers; STANDARDS: SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
160	200025682	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 50mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drilled with integral socket and rubber seal,3 layers of epoxy coating minimum 125 micron per coat; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	EA			
161	200025681	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 75mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drilled with integral socket and rubber seal,3 layers of epoxy coating minimum 125 micron per coat; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	EA			
162	200025667	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 80mm; RANGE: 88mm - 103mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat, Stainless steel nuts, bolts & washers; STANDARDS: SANS 52842 and/or JASWIC Approved.	EA			
163	200025689	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile; NOMINAL SIZE: 200mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drill with integral socket and rubber seal.,mild steel needs to be hot dipped galvanized; STANDARDS: SABS Certified, SANS 1808-02 and bearing the SABS mark scheme where applicable, SANS121 and/or ISO1461.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
164	200025690	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile; NOMINAL SIZE: 250mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drill with integral socket and rubber seal,mild steel needs to be hot dipped galvanized; STANDARDS: SABS Certified, SANS 1808-02 and bearing the SABS mark scheme where applicable, SANS121 and/or ISO1461.	EA			
165	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Mild Steel; NOMINAL SIZE: 50mm; END CONNECTION: Plain ended; COATING: External coating to be red oxide and 6.35mm cement lined internally; PN RATING: 12 bar; SPECIFIC USE: For Flange mild steel to Asbestos Cement Pipe; SPECIFICATIONS: Multi drilled ; STANDARDS: Cement lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
166	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Mild Steel; NOMINAL SIZE: 75mm; END CONNECTION: Plain ended; COATING: External coating to be red oxide and 6.35mm cement lined internally; PN RATING: 12 bar; SPECIFIC USE: For Flange mild steel to Asbestos Cement Pipe; SPECIFICATIONS: Multi drilled ; STANDARDS: Cement lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
167	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Mild Steel; NOMINAL SIZE: 100mm; END CONNECTION: Plain ended; COATING: External coating to be red oxide and 6.35mm cement lined internally; PN RATING: 12 bar; SPECIFIC USE: For Flange mild steel to Asbestos Cement Pipe; SPECIFICATIONS: Multi drilled ; STANDARDS: Cement lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
168	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Mild Steel; NOMINAL SIZE: 150mm; END CONNECTION: Plain ended; COATING: External coating to be red oxide and 6.35mm cement lined internally; PN RATING: 12 bar; SPECIFIC USE: For Flange mild steel to Asbestos Cement Pipe; SPECIFICATIONS: Multi drilled ; STANDARDS: Cement lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
169	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Mild Steel; NOMINAL SIZE: 200mm; END CONNECTION: Plain ended; COATING: External coating to be red oxide and 6.35mm cement lined internally; PN RATING: 12 bar; SPECIFIC USE: For Flange mild steel to Asbestos Cement Pipe; SPECIFICATIONS: Multi drilled ; STANDARDS: Cement lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
170	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Mild Steel; NOMINAL SIZE: 250mm; END CONNECTION: Plain ended; COATING: External coating to be red oxide and 6.35mm cement lined internally; PN RATING: 12 bar; SPECIFIC USE: For Flange mild steel to Asbestos Cement Pipe; SPECIFICATIONS: Multi drilled ; STANDARDS: Cement lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.	EA			
171	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Mild Steel; NOMINAL SIZE: 300mm; END CONNECTION: Plain ended; COATING: External coating to be red oxide and 6.35mm cement lined internally; PN RATING: 12 bar; SPECIFIC USE: For Flange mild steel to Asbestos Cement Pipe; SPECIFICATIONS: Multi drilled ; STANDARDS:	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		Cement lining - AWWA C602-83, SABS Certified, SANS 62 and bearing the SABS mark scheme where applicable.				
172	200025641	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:235mm-252mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
173	200025642	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:250mm-267mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
174	200025643	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:260mm-274mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
175	200025644	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:271mm-289mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
176	200025645	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:286mm-304mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
177	200025646	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:302mm-318mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
178	200025647	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:315mm-332mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
179	200025648	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:334mm-350mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
180	200025649	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:344mm-360mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
181	200025650	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:356mm-372mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
182	200025651	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:374mm-391mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	EA			
183	200025652	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:391mm-407mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
184	200025653	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:401mm-417mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
185	200025654	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:417mm-437mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
186	200025655	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:430mm-446mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved				
188	200025656	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:440mm-460mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
189	200025657	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:458mm-474mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
190	200025658	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:477mm-493mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
191	200025659	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:494mm-510mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
192	200025660	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:509mm-523mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
193	200025661	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:518mm-534mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
194	200025662	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:526mm-546mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
195	200025663	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:556mm-572mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
196	200025664	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:577mm-593mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	EA			
197	200001193	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 109mm - 128mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
198	New code	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 150mm - 170mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified and/or JASWIC Approved, SANS 1808-2 and/or SANS 52842	EA			
199	200010231	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 159mm - 182mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
200	200017614	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 180mm - 194mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
201	200017615	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 192mm - 209mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
202	200025668	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 205mm - 222mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM	EA			

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		Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.				
203	200010225	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 218mm - 235mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
204	200010232	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 235mm - 252mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
205	New code	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 250mm - 267mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified and/or JASWIC Approved, SANS 1808-2 and/or SANS 52842	EA			
206	200025669	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 260mm - 274mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
207	200012492	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 272mm - 289mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
208	200025670	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 289mm - 304mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
209	200025671	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 302mm - 318mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
210	200025672	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 315mm - 332mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
211	200016351	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 334mm - 350mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
212	200025673	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 344mm - 360mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
213	200025674	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 356mm - 372mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
214	200025675	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 374mm - 391mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
215	200018101	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 391mm - 407mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
216	200025676	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 401mm - 417mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
217	200025677	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 417mm - 437mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM	EA			

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		Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.				
218	200025678	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 430mm - 446mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
219	200018102	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 444mm - 460mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
220	200025679	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 458mm - 474mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
221	200018103	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 477mm - 493mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
222	200025680	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 494mm - 510mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
223	200018104	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 509mm - 523mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
224	200001192	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 59mm - 72mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			

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225	47208000486019	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 72mm - 85mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
226	200010127	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 88mm - 103mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	EA			
227	200002122	COUPLING - TYPE: Repair; MATERIAL: UPVC; SIZE: 110mm; SPECIFIC USE: Socketed both ends for uPVC Pipe; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SANS 966 Part 1.	EA			
228	S00253729	COUPLING - TYPE: Repair; MATERIAL: UPVC; SIZE: 160mm; SPECIFIC USE: Socketed both ends for uPVC Pipe; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SANS 966 Part 1.	EA			
229	B002436	COUPLING - TYPE: Repair; MATERIAL: UPVC; SIZE: 200mm; SPECIFIC USE: Socketed both ends for uPVC Pipe; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SANS 966 Part 1.	EA			
230	S00253730	COUPLING - TYPE: Repair; MATERIAL: UPVC; SIZE: 50mm; SPECIFIC USE: Socketed both ends for uPVC Pipe; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SANS 966 Part 1.	EA			
231	B002433	COUPLING - TYPE: Repair; MATERIAL: UPVC; SIZE: 75mm; SPECIFIC USE: Socketed both ends for uPVC Pipe; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SANS 966 Part 1.	EA			
232	S00253734	COUPLING - TYPE: Repair; MATERIAL: UPVC; SIZE: 90mm; SPECIFIC USE: Socketed both ends for uPVC Pipe; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SANS 966 Part 1.	EA			
233	200022716	END CAP - TYPE: FIRE HYDRANT; MATERIAL: Brass; SHAPE: Hexagon; SIZE: 75mm; BODY: 100mm x 66mm; INTERNAL DIAMETER: 72mm; THREAD: London Round Thread; DRILLING: Undrilled; SPECIFIC USE: Manufacturing of standpipes for underground Fire Hydrant; SPECIFICATIONS: 85% Copper, 5% Tin, 5% Lead and 5% Zinc. Copper Alloy C23000 - 14 - 16% Zinc, 0.05% Iron and Lead and the remainder Copper, complete with O-ring; STANDARDS: SANS 6509.	EA			
234	200003114	FIRE HYDRANT NOZZLE - TYPE: 2 Hole; MATERIAL: Steel; COATING: Hot Dipped Galvanized; SPECIFIC USE: Install hydrant stand pipe; DRAWING: WW Drawing W4-F-007; SPECIFICATIONS: London Round Thread, with 100mm flange; STANDARDS: SANS 121/ ISO 1461 approved and bearing the SABS mark (where applicable).	EA			
235	200003093	FIRE HYDRANT NOZZLE - TYPE: 3 Hole; MATERIAL: Steel; COATING: Hot Dipped Galvanized; SPECIFIC USE: Install hydrant stand pipe; DRAWING: WW Drawing W4-F-007; SPECIFICATIONS: London Round Thread, with 100mm flange; STANDARDS: SANS 121/ ISO 1461 approved and bearing the SABS mark (where applicable).	EA			

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236	200025692	FLANGE - TYPE: Backing Ring; MATERIAL: Stainless Steel 316; SIZE: DN100; DRILLING: Table D; SPECIFIC USE: Connect HDPE stub flange to DN100 flange; SPECIFICATIONS: Class 16 (16 Bar); STANDARDS: SANS 1123.	EA			
237	200025693	FLANGE - TYPE: Backing Ring; MATERIAL: Stainless Steel 316; SIZE: DN150; DRILLING: Table 16; SPECIFIC USE: Connect HDPE stub flange to DN150 flange; SPECIFICATIONS: Class 16 (16 Bar); STANDARDS: SANS 1123.	EA			
238	200025694	FLANGE - TYPE: Backing Ring; MATERIAL: Stainless Steel 316; SIZE: DN200; DRILLING: Table 16; SPECIFIC USE: Connect HDPE stub flange to DN200 flange; SPECIFICATIONS: Class 16 (16 Bar); STANDARDS: SANS 1123.	EA			
239	200026402	FLANGE - TYPE: Female; MATERIAL: Hot Dipped Galvanised Mild Steel; SIZE: 50mm; PN RATING: 12; DRILLING: Table D; SPECIFIC USE: Water meter; SPECIFICATIONS: Threaded flange; STANDARDS: SANS 1123 and/or SANS 121.	EA			
240	200025691	FLANGE - TYPE: Female; MATERIAL: Mild Steel; SIZE: 40mm; PN RATING: 12; DRILLING: Table D; SPECIFIC USE: Water meter; SPECIFICATIONS: Threaded flange; STANDARDS: SANS 62, SANS1123.	EA			
241	New code	FLANGE - TYPE: Backing Ring; MATERIAL: Stainless Steel 316; SIZE: DN80; DRILLING: Table 16; SPECIFIC USE: Connect 90mm HDPE stub flange to DN80 flange of fire hydrant; SPECIFICATIONS: Class 16 (16 Bar); STANDARDS: SANS 1123.	EA			
242	200026403	HYDRANT BOX - TYPE: Shallow; MATERIAL: Polypropylene; SIZE: 430mm x300mm x 150mm; COLOUR: Black Body with Blue lid; SPECIFICATIONS: Body - 6mm thickness, lockable lid with two stainless steel cables, and plastic key.	EA			
243	200021179	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 100mm; LENGTH: 250mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; COATING: Fusion Bond Epoxy; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removeable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS 1808-58.	EA			
244	200021180	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 150mm; LENGTH: 300mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element, ,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS1808-58.	EA			
245	200016236	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 200mm; LENGTH: 350mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless Steel Bolts, Multi Drilled Table D and Table 16; STANDARDS: SABS Certified, SANS 1808-58 and bearing the SABS mark scheme where applicable.	EA			
246	200021415	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 250mm; LENGTH: 400mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable	EA			

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		from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS1808-58.				
247	200016237	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 250mm; LENGTH: 450mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: to protect water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless Steel Bolts, Multi Drilled Table D and Table 16; STANDARDS: SABS Certified, SANS 1808-58 and bearing the SABS mark scheme where applicable.	EA			
248	200016238	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 300mm; LENGTH: 500mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; COATING: Fusion Bond Epoxy; SPECIFIC USE: to protect water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless Steel Bolts, Multi Drilled Table D and Table 16; STANDARDS: SABS Certified, SANS 1808-58 and bearing the SABS mark scheme where applicable.	EA			
249	200021176	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 40mm; LENGTH: 300mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: to protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless Steel Bolts, Multi Drilled Table D and Table 16; STANDARDS: SABS Certified, SANS 1808-58 and bearing the SABS mark scheme where applicable.	EA			
250	200021401	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 50mm; LENGTH: 200mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element ,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS1808-58.	EA			
251	200021178	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 80mm; LENGTH: 200mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element ,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS1808-58.	EA			
252	B004175	INSERTION SHEETING - MATERIAL: Rubber; THICKNESS: 2mm; WIDTH: 1.2m; LENGTH: 1200mm; WIDTH TOLERANCE: + 10mm; SPECIFICATIONS: Reinforced cotton, 1 PLY; STANDARDS: SANS 564.	Roll			
253	200025547	INSERTION SHEETING - MATERIAL: Rubber; THICKNESS: 3mm; WIDTH: 1.2m; LENGTH: 5m; SPECIFICATIONS: Reinforced cotton, 1 PLY; STANDARDS: SANS 564.	Roll			
254	200002460	INSERTION SHEETING - MATERIAL: Rubber; THICKNESS: 6mm; WIDTH: 1.2m; LENGTH: 5m.	Roll			
255	200025550	INSERTION SHEETING - THICKNESS: 6mm; WIDTH: 1.2m; LENGTH: 5m; SPECIFICATIONS: Reinforced cotton, 2 PLY; STANDARDS: SANS 564.	Roll			

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256	ST7501358	JUMPER COMPLETE - TYPE: Fire Hydrant; MATERIAL: Brass with rubber; SIZE: 83mm; STANDARD: SANS/ISO 6509.	EA			
257	200003094	NOZZLE - TYPE: 4 Hole; MATERIAL: Steel; COATING: Hot Dipped Galvanized; SPECIFIC USE: Install hydrant stand pipe; DRAWING: WW Drawing W4-F-007; SPECIFICATIONS: London Round Thread; STANDARDS: SANS 121/SABS ISO 1461 approved and bearing the SABS mark (where applicable) . A SABS Certificate with schedule and/or Certificate of Compliance must be attached with delivery.	EA			
258	200020850	PACKING - TYPE: Gland; MATERIAL: Lubricated PTFE; DIMENSION: 10mm x 8m; SPECIFIC USE: Repair glands of valves; SPECIFICATIONS: Dispersion Impregnated Plated or Braided, Pure PTFE Packing with Lubricant, from pure PTFE yarn with a break-in lubricant; STANDARDS: British Standard 4371 1991.	EA			
259	200020901	PACKING - TYPE: Gland; MATERIAL: Lubricated PTFE; DIMENSION: 12.7mm x 8m; SPECIFIC USE: Repair glands of valves; SPECIFICATIONS: Dispersion Impregnated Plated or Braided, Pure PTFE Packing with Lubricant, from pure PTFE yarn with a break-in lubricant; STANDARDS: British Standard 4371 1991.	EA			
260	200020902	PACKING - TYPE: Gland; MATERIAL: Lubricated PTFE; DIMENSION: 8mm x 8m; SPECIFIC USE: Repair glands of valves; SPECIFICATIONS: Dispersion Impregnated Plated or Braided, ,Pure PTFE Packing with Lubricant , from pure PTFE yarn with a break-in lubricant; STANDARDS: British Standard 4371 1991.	EA			
261	47108000254207	PIPE - TYPE: Approach & Tail Double Flange; SIZE: 100mm; MATERIAL: Mild Steel Cement Lined; SPECIFICATIONS: 150mm Internal Finished Bore; DWG NO: W4-M-001 2500mm, Approach Pipe with 1250mm Tail Pipe, Cement lining internal and externally. Cement lining to be 6.35mm thick; STANDARDS: AWWA C205 with SANS 62.	EA			
262	47108000254193	PIPE - TYPE: Approach and Tail Set; SIZE: 100mm; MATERIAL: Mild Steel Cement Lined and Sheathed; SPECIFICATIONS: 1000mm Approach Pipe with 500mm Tail Pipe. One side Table D and one side Table 16.; LENGTH: 1 x 500mm 1 x 1000mm, COATING, internal and externally cement lining to be 6.35mm thick; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable,AWWA C205 with SANS 62.	EA			
263	47108000254223	PIPE - TYPE: Approach and Tail Set; SIZE: 150mm; MATERIAL: Mild Steel Cement Lined and Sheathed; SPECIFICATIONS: 1000mm Approach Pipe with 500mm Tail Pipe. One side Table D and one side Table 16.; LENGTH: 1 x 1500mm 1 x 750mm; COATING: internal and externally cement lining to be 6.35mm thick; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable, AWWA C205 with SANS 62.	EA			
264	47108000254231	PIPE - TYPE: Approach and Tail Set; SIZE: 80mm; MATERIAL: Mild Steel Cement Lined and Sheathed; SPECIFICATIONS: 1000mm Approach Pipe with 500mm Tail Pipe. Cement lining internal and externally. One side Table D and one side Table 16.; LENGTH: 1 x 800mm 1 x 400mm; COATING: internal and externally cement lining to be 6.35mm thick; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable,AWWA C205 with SANS 62.	EA			
265	200017436	PIPE - TYPE: Cement lined; MATERIAL: Reinforced steel; LENGTH: 6m; DIAMETER: 546,1mm OD, 535mm ID; SPECIFIC USE: Bulk Water Conduit; SPECIFICATIONS: Cement lining to 8mm; STANDARDS: SABS approved and bearing the mark, in accordance with reference standard AWWA C205.	EA			

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266	200021857	PIPE - TYPE: Cement Lined; MATERIAL: Thick Mild Steel; COLOUR: Red Oxide; SIZE: 407x4.5x8mm; LENGTH: 6m; PRESSURE RATING: Grade B 4000 KPA certificates to be supplied when delivered; DIAMETER: NB 400mm OD 406mm; SPECIFIC USE: Bulk Water Conduit; SPECIFICATIONS: WALL 4.5. Mass 44.56. Cement lining to be 8mm; STANDARDS: SABS/SANS approved and bearing the mark in accordance with reference standard AWWA C205.	EA			
267	200021891	PIPE - TYPE: Cement Lined; MATERIAL: Thick Mild Steel; SIZE: 407x4.5x8mm; LENGTH: 6m; PRESSURE RATING: Grade B 4000 KPA certificates to be supplied when delivered; DIAMETER: NB 400mm OD 406mm; SPECIFIC USE: Bulk Water Conduit; SPECIFICATIONS: WALL 4.5mm. Mass 44.56Kg/m. Cement lining to be 8mm; STANDARDS: SABS/SANS approved and bearing the mark in accordance with reference standard AWWA C205.	EA			
268	47108000049573	PIPE - TYPE: Fire Hydrant Extension; MATERIAL: Mild Steel; NOMINAL DIAMETER: 100mm; LENGTH: 1m; CEMENT LINING: Internal and external 6,5mm; SPECIFICATIONS: Table D With Red Oxide coated externally.on Flange; STANDARDS: Cement lining - AWWA C602-83 with SANS 62. SABS Certified, bearing the SABS mark scheme where applicable.	EA			
269	200001135	PIPE - TYPE: Fire Hydrant Extension; MATERIAL: Mild Steel; NOMINAL DIAMETER: 75mm; LENGTH: 600mm; CEMENT LINING: Internal and external 6,5mm; SPECIFICATIONS: Table D With Red Oxide coated externally.on Flange; STANDARDS: Cement lining - AWWA C602-83 with SANS 62. SABS Certified, bearing the SABS mark scheme where applicable.	EA			
270	200002171	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 110mm; LENGTH: 4m; SPECIFIC USE: To fit 100mm AC Pipe OD 122mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	EA			
271	200002108	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 110mm; LENGTH: 6M; SPECIFIC USE: To fit 100mm AC Pipe OD 122mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	EA			
272	200002230	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 160mm; LENGTH: 4m; SPECIFIC USE: To fit 150mm AC Pipe OD 168mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	EA			
273	200002109	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 160mm; LENGTH: 6m; SPECIFIC USE: To fit 150mm AC Pipe OD 168mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	EA			
274	200002105	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 50mm; LENGTH: 6m; SPECIFIC USE: To fit 50mm AC Pipe OD 82mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	EA			
275	O80629	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 63mm; LENGTH: 4m; SPECIFIC USE: To fit 50mm AC Pipe OD 82mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	EA			

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276	200002170	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 75mm; LENGTH: 4m; SPECIFIC USE: To fit 75mm AC Pipe OD 96mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	EA			
277	200002107	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 75mm; LENGTH: 6m; SPECIFIC USE: To fit 75mm AC Pipe OD 96mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	EA			
278	New code	PIPE - TYPE: Plain ended both ends; MATERIAL: HDPE; SIZE: 90mm; LENGTH: 6M; SPECIFICATIONS: Class 12,5 PE 100; STANDARDS: SABS and SAPPMA Certified, bearing the SABS and SAPPMA mark scheme with SANS 4427.	EA			
279	200025695	PIPE - TYPE: Plain ended both ends; MATERIAL: HDPE; SIZE: 110mm; LENGTH: 6M; SPECIFICATIONS: Class 12,5 PE 100; STANDARDS: SABS and SAPPMA Certified, bearing the SABS and SAPPMA mark scheme with SANS 4427.	EA			
280	200025696	PIPE - TYPE: Plain ended both ends; MATERIAL: HDPE; SIZE: 160mm; LENGTH: 6M; SPECIFICATIONS: Class 12,5 PE 100; STANDARDS: SABS and SAPPMA Certified, bearing the SABS and SAPPMA mark scheme with SANS 4427.	EA			
281	200025697	PIPE - TYPE: Plain ended both ends; MATERIAL: HDPE; SIZE: 200mm; LENGTH: 6M; SPECIFICATIONS: Class 12,5 PE 100; STANDARDS: SABS and SAPPMA Certified, bearing the SABS and SAPPMA mark scheme with SANS 4427.	EA			
282	47108000049506	PIPE - TYPE: Plain Ended; MATERIAL: Mild Steel Cement Lined and Sheathed; LENGTH: 6.7m; OUTSIDE DIAMETER RANGE: 114.3mm; INTERNAL DIAMETER: 100mm; SPECIFICATIONS: Cement lining internal and externally, Cement lining to be 6mm; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable, AWWA C205 with SANS 62.	EA			
283	47108000049603	PIPE - TYPE: Plain Ended; MATERIAL: Mild Steel Cement Lined and Sheathed; LENGTH: 6.7m; OUTSIDE DIAMETER RANGE: 165.1mm; INTERNAL DIAMETER: 150mm; SPECIFICATIONS: Cement lining internal and externally, Cement lining to be 6mm; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable, AWWA C205 with SANS 62.	EA			
284	200010175	PIPE - TYPE: Plain Ended; MATERIAL: Mild Steel Cement Lined and Sheathed; LENGTH: 6M; OUTSIDE DIAMETER RANGE: 241mm; INTERNAL DIAMETER: 225mm; SPECIFICATIONS: Cement lining internal and externally, Cement lining to be 6mm; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable, AWWA C205 with SANS 62.	EA			
285	200009348	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 110mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			
286	200010152	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 160mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			
287	200005300	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 200mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			

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288	200003097	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 250mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable with SANS: 966.	EA			
289	200011732	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 300mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable with SANS:966.	EA			
290	200003098	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 315mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			
291	200003099	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 355mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			
292	200003055	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 50mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			
293	200010157	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 63mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			
294	200004504	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 75mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			
295	200004498	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 90mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	EA			
296	47308000060194	REDUCER - MATERIAL: Mild Steel Cement Lined; SIZE: 100mm x 50mm; SPECIFICATIONS: Cement lining to be 6mm; STANDARDS: AWWA C205 with SANS 62.	EA			
297	47308000060208	REDUCER - MATERIAL: Mild Steel Cement Lined; SIZE: 100mm x 75mm; SPECIFICATIONS: Cement lining to be 6mm; STANDARDS: AWWA C205 with SANS 62.	EA			
298	47308000060216	REDUCER - MATERIAL: Mild Steel Cement Lined; SIZE: 150mm x 100mm; SPECIFICATIONS: Cement lining to be 6mm; STANDARDS: AWWA C205 with SANS 62.	EA			
299	47308000410454	REDUCER - MATERIAL: Mild Steel Cement Lined; SIZE: 200mm x 100mm; SPECIFICATIONS: Cement lining to be 6mm; STANDARDS: AWWA C205 with SANS 62.	EA			
300	47308000253804	REDUCER - MATERIAL: Mild Steel Cement Lined; SIZE: 200mm x 150mm; SPECIFICATIONS: Cement lining to be 6mm; STANDARDS: AWWA C205 with SANS 62.	EA			

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301	47308000060224	REDUCER - MATERIAL: Mild Steel Cement Lined; SIZE: 225mm x 150mm; SPECIFICATIONS: Cement lining to be 6mm; STANDARDS: AWWA C205 with SANS 62.	EA			
302	200017432	REDUCER - MATERIAL: Mild Steel Cement Lined; SIZE: 259mm x 241.3mm; SPECIFICATIONS: Cement lining to be 6mm; STANDARDS: AWWA C205 with SANS 62.	EA			
303	200012446	REDUCER - TYPE: Socketed both Ends; MATERIAL: Ductile Iron; SIZE: 110mm x 90mm; SPECIFICATIONS: With integral sockets and rubber ring seals; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	EA			
304	200002121	REDUCER - TYPE: Socketed both Ends; MATERIAL: Ductile Iron; SIZE: 160mm x 110mm; SPECIFICATIONS: With integral sockets and rubber ring seals; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	EA			
305	200001923	REDUCING BUSH - TYPE: Male to Female; MATERIAL: Galvanised Steel; SIZE: 50mm x 25mm; SPECIFICATIONS: hot dip galvanising.; STANDARDS: SANS 121.	EA			
306	200001924	REDUCING BUSH - TYPE: Male to Female; MATERIAL: Galvanised Steel; SIZE: 50mm x 40mm; SPECIFICATIONS: hot dip galvanising.; STANDARDS: SANS 121.	EA			
307	200001378	SADDLE - MATERIAL: Ductile Iron; SIZE: 100mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated, 2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket (insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
308	200010345	SADDLE - MATERIAL: Ductile Iron; SIZE: 100mm; DRILLING: 25mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated, 2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket (insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
309	200012767	SADDLE - MATERIAL: Ductile Iron; SIZE: 100mm; DRILLING: 40mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated, 2x Galvanised Bolts size M16 x 65, 2x Washers and 2x Nuts, 75mm circular gasket (insertion rubber) 3mm thick; STANDARDS: SABS Certified SANS:1808-44 and bearing the SABS mark where applicable.	EA			
310	200007270	SADDLE - MATERIAL: Ductile Iron; SIZE: 100mm; DRILLING: 50mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated, 2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
311	200007158	SADDLE - MATERIAL: Ductile Iron; SIZE: 110mm; DRILLING: 20mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated, 2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket (insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
312	200007202	SADDLE - MATERIAL: Ductile Iron; SIZE: 110mm; DRILLING: 25mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated, 2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			

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313	200011158	SADDLE - MATERIAL: Ductile Iron; SIZE: 110mm; DRILLING: 40mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified SANS:1808-44 and bearing the SABS mark where applicable.	EA			
314	S00394465	SADDLE - MATERIAL: Ductile Iron; SIZE: 110mm; DRILLING: 50mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified,SANS:1808-44 and bearing the SABS mark where applicable.	EA			
315	200007272	SADDLE - MATERIAL: Ductile Iron; SIZE: 150mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified SANS:1808-44 and bearing the SABS mark where applicable.	EA			
316	S00055145	SADDLE - MATERIAL: Ductile Iron; SIZE: 150mm; DRILLING: 25mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
317	200007245	SADDLE - MATERIAL: Ductile Iron; SIZE: 150mm; DRILLING: 40mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified SANS:1808-44 and bearing the SABS mark where applicable.	EA			
318	200007247	SADDLE - MATERIAL: Ductile Iron; SIZE: 150mm; DRILLING: 50mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS CertifiedSANS:1808-44 and bearing the SABS mark where applicable.	EA			
319	200007159	SADDLE - MATERIAL: Ductile Iron; SIZE: 160mm; DRILLING: 20mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick.; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
320	200007203	SADDLE - MATERIAL: Ductile Iron; SIZE: 160mm; DRILLING: 25mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified,SANS:1808-44 and bearing the SABS mark where applicable.	EA			
321	200011155	SADDLE - MATERIAL: Ductile Iron; SIZE: 160mm; DRILLING: 40mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			

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322	00C01967	SADDLE - MATERIAL: Ductile Iron; SIZE: 160mm; DRILLING: 50mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick.; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
323	O80312	SADDLE - MATERIAL: Ductile Iron; SIZE: 200mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified SANS:1808-44 and bearing the SABS mark where applicable.	EA			
324	200007160	SADDLE - MATERIAL: Ductile Iron; SIZE: 200mm; DRILLING: 20mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
325	00C02019	SADDLE - MATERIAL: Ductile Iron; SIZE: 200mm; DRILLING: 25mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
326	200007987	SADDLE - MATERIAL: Ductile Iron; SIZE: 200mm; DRILLING: 25mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified,SANS:1808-44 and bearing the SABS mark where applicable.	EA			
327	00C02020	SADDLE - MATERIAL: Ductile Iron; SIZE: 200mm; DRILLING: 40mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
328	00C01970	SADDLE - MATERIAL: Ductile Iron; SIZE: 200mm; DRILLING: 40mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick.; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
330	00C01971	SADDLE - MATERIAL: Ductile Iron; SIZE: 200mm; DRILLING: 50mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick.; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
331	O80313	SADDLE - MATERIAL: Ductile Iron; SIZE: 225mm; DRILLING: 15mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			

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332	S00055904	SADDLE - MATERIAL: Ductile Iron; SIZE: 225mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
333	00C02021	SADDLE - MATERIAL: Ductile Iron; SIZE: 225mm; DRILLING: 25mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
334	S00055906	SADDLE - MATERIAL: Ductile Iron; SIZE: 225mm; DRILLING: 40mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified,SANS:1808-44 and bearing the SABS mark where applicable.	EA			
335	200023625	SADDLE - MATERIAL: Ductile Iron; SIZE: 250mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified,SANS1808-44 and bearing the SABS mark where applicable.	EA			
336	ST7501131	SADDLE - MATERIAL: Ductile Iron; SIZE: 300mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
337	47308000055913	SADDLE - MATERIAL: Ductile Iron; SIZE: 300mm; DRILLING: Undrilled; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
338	200007248	SADDLE - MATERIAL: Ductile Iron; SIZE: 50mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified SANS:1808-44 and bearing the SABS mark where applicable.	EA			
339	200010346	SADDLE - MATERIAL: Ductile Iron; SIZE: 50mm; DRILLING: 25mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified,SANS:1808-44 and bearing the SABS mark where applicable.	EA			
340	00C02002	SADDLE - MATERIAL: Ductile Iron; SIZE: 50mm; DRILLING: 40mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
341	B006920	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 15mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
342	200007273	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
343	200007157	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 20mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
344	200007274	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 25mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
345	200007201	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 25mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
346	200007275	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 40mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
347	200021586	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 40mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
348	00C02007	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 50mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Bitumen Coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
349	00C01959	SADDLE - MATERIAL: Ductile Iron; SIZE: 75mm; DRILLING: 50mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
350	S00055955	SADDLE - MATERIAL: Ductile Iron; SIZE: 90mm; DRILLING: 20mm; SPECIFIC USE: For uPVC; SPECIFICATIONS: Fusion bonded epoxy coated,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
351	200021248	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 200mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
352	200021249	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 200mm; DRILLING: 50mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
353	00C02025	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 250mm; DRILLING: 20mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
354	200021250	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 250mm; DRILLING: 20mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
355	00C02026	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 250mm; DRILLING: 25mm; SPECIFIC USE: For Asbestos Cement; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
356	200021251	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 250mm; DRILLING: 25mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
357	200021252	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 250mm; DRILLING: 40mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
358	200021253	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 250mm; DRILLING: 50mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
359	200021254	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 300mm; DRILLING: 20mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
360	200021255	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 300mm; DRILLING: 25mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
361	200021256	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 300mm; DRILLING: 40mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
362	200021195	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 300mm; DRILLING: 50mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
363	200023626	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 375mm; DRILLING: Undrilled; SPECIFIC USE: For uPVC and HDPE Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
364	200021196	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 50mm; DRILLING: 20mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
365	200021197	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 50mm; DRILLING: 25mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
366	200021198	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 50mm; DRILLING: 40mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
367	200021199	SADDLE - MATERIAL: Galvanized Mild Steel; SIZE: 50mm; DRILLING: 50mm; SPECIFIC USE: For uPVC Pipe; SPECIFICATIONS: Hot dipped Galvanized,2x Galvanised Bolts size M16 x 65 , 2x Washers and 2x Nuts, 75mm circular gasket(insertion rubber) 3mm thick; STANDARDS: SABS Certified. Saddle SANS 1808-44 and Hot dipped galvanised SANS 121 and bearing the SABS mark scheme where applicable.	EA			
368	S00394458	SADDLE - MATERIAL: HDPE; SIZE: 110mm; DRILLING: 25mm; SPECIFIC USE: HDPE Pipe.; SPECIFICATIONS: Complete with nuts, bolts , rubber O-Ring and Reinforce ring; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark scheme where applicable.	EA			
369	B006912	SADDLE - MATERIAL: HDPE; SIZE: 110mm; DRILLING: 50mm; SPECIFIC USE: HDPE Pipe.; SPECIFICATIONS: Complete with nuts, bolts , rubber O-Ring and Reinforce ring; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark scheme where applicable.	EA			
370	00C01952	SADDLE - MATERIAL: HDPE; SIZE: 50mm; DRILLING: 20mm; SPECIFIC USE: HDPE Pipe.; SPECIFICATIONS: Complete with nuts, bolts ,washers, rubber O-Ring and Reinforce ring; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
371	00C01953	SADDLE - MATERIAL: HDPE; SIZE: 50mm; DRILLING: 25mm; SPECIFIC USE: HDPE Pipe.; SPECIFICATIONS: Complete with nuts, bolts ,rubber O-Ring and Reinforce ring; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
372	200007281	SADDLE - MATERIAL: HDPE; SIZE: 63mm; DRILLING: 25mm; SPECIFIC USE: HDPE Pipe; SPECIFICATIONS: Complete with nuts, bolts ,ashers, rubber O-Ring and Reinforce ring; STANDARDS: SABS Certified, SANS:1808-44 and bearing the SABS mark where applicable.	EA			
373	200011154	SADDLE - MATERIAL: HDPE; SIZE: 75mm; DRILLING: 40mm; SPECIFIC USE: HDPE Pipe; SPECIFICATIONS: Complete with nuts, bolts , rubber O-Ring and Reinforce ring; STANDARDS: SABS Certified,SANS:1808-44 and bearing the SABS mark where applicable.	EA			
374	S00055976	SADDLE CLAMP - TYPE: With Outlet; MATERIAL: Stainless Steel 316; SIZE: 315mm; SPECIFIC USE: for PVC PIPE; OUTLET SIZE: 40mm; SPECIFICATIONS: Threaded, Complete with 2x galvanized nuts, 2x bolts, 2x washers and circular gasket (insertion rubber) 3mm thick.	EA			
375	47308000065315	SOCKET - TYPE: Female; SIZE: 40mm; MATERIAL: Steel Galvanized; SPECIFIC USE: Connecting and increasing the length of water pipes; SPECIFICATIONS: Threaded; STANDARDS: In accordance with SANS 121 and SANS 62-2.	EA			
376	200011422	TAILPIECE - MATERIAL: Brass DZR; SIZE: 15mm; SPECIFIC USE: For connecting water meters in water systems; SPECIFICATIONS: Set of two couplings complete with brass nuts and gaskets,; STANDARDS: SABS Certified, SANS 6509 and bearing the SABS mark scheme where applicable and or NSF/ANSI 61.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
377	200011424	TAILPIECE - MATERIAL: Brass DZR; SIZE: 22mm; SPECIFIC USE: For connecting water meters in water systems; SPECIFICATIONS: Set of two couplings complete with brass nuts and gaskets; STANDARDS: SABS Certified, SANS 6509 and bearing the SABS mark scheme where applicable and or NSF/ANSI 61.	EA			
378	200011423	TAILPIECE - MATERIAL: Brass DZR; SIZE: 28mm; SPECIFIC USE: For connecting water meters in water systems; SPECIFICATIONS: Set of two couplings complete with brass nuts and gaskets; STANDARDS: SABS Certified, SANS 6509 and bearing the SABS mark scheme where applicable and or NSF/ANSI 61.	EA			
379	200011652	TAILPIECE - MATERIAL: Brass DZR; SIZE: 42mm; SPECIFIC USE: For connecting water meters in water systems; SPECIFICATIONS: Set of two couplings complete with brass nuts and gaskets; STANDARDS: SABS Certified, SANS 6509 and bearing the SABS mark scheme where applicable and or NSF/ANSI 61.	EA			
380	00C02392	TAPE - TYPE: Petro Anti corrosion; MATERIAL: Fibre, cloth/fabric/fleece; SIZE: 100mm; LENGTH: 10m; SPECIFIC USE: Provide protection to underground and above ground pipes and components against corrosion; SPECIFICATIONS: Able to withstand various temperature ranges; STANDARDS: In accordance with ANSI/AWWA C217- 09 / DIN 30672 / EN12068.	EA			
381	ST7501078	TAPE - TYPE: Petro Anti corrosion; MATERIAL: Fibre, cloth/fabric/fleece; SIZE: 150mm; LENGTH: 10m; SPECIFIC USE: Provide protection to underground and above ground pipes and components against corrosion; SPECIFICATIONS: Able to withstand various temperature ranges; STANDARDS: In accordance with ANSI/AWWA C217- 09 / DIN 30672 / EN12068.	EA			
382	B007875	TAPE - TYPE: Petro Anti corrosion; MATERIAL: Fibre, cloth/fabric/fleece; SIZE: 250mm; LENGTH: 10m; SPECIFIC USE: Provide protection to underground and above ground pipes and components against corrosion; SPECIFICATIONS: Able to withstand various temperature ranges; STANDARDS: In accordance with ANSI/AWWA C217- 09 / DIN 30672 / EN12068.	EA			
383	S00055477	TAPE - TYPE: Petro Anti corrosion; MATERIAL: Fibre, cloth/fabric/fleece; SIZE: 300mm; LENGTH: 10m; SPECIFIC USE: Provide protection to underground and above ground pipes and components against corrosion; SPECIFICATIONS: Able to withstand various temperature ranges; STANDARDS: In accordance with ANSI/AWWA C217- 09 / DIN 30672 / EN12068.GUIDELINE: Wherever reference is made to any particular Trade Mark, Name, Patent, Design, Type, Specific Origin or Producer, such reference shall be deemed to be accompanied by the words "or equivalent".	EA			
384	47308000064157	TEE - MATERIAL: Mild Steel; SIZE: 100mm x 100mm x 100mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.GUIDELINE: Wherever reference is made to any particular Trade Mark, Name, Patent, Design, Type, Specific Origin or Producer, such reference shall be deemed to be accompanied by the words "or equivalent".	EA			
385	200020841	TEE - TYPE: Flange Branch - Equal Tee.; MATERIAL: Mild Steel; SIZE: 100mm x 100mm x 100mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24. Table D; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
386	44608000467782	TEE - TYPE: Flange Branch - Equal Tee.; MATERIAL: Mild Steel; SIZE: 150mm x 150mm x 150mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24 ,Flange to be multi drilled; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.GUIDELINE: Wherever reference is made to any particular Trade Mark, Name, Patent, Design, Type, Specific Origin or Producer, such reference shall be deemed to be accompanied by the words "or equivalent".	EA			
387	200010130	TEE - TYPE: Flange Branch Reduced; MATERIAL: Ductile Iron; SIZE: 160mm x 160mm x 110mm; COATING: Internal and External to be fusion bonded epoxy; SPECIFICATIONS: Socketed ends with intergal rubber seals. Flange to be multi drilled; STANDARDS: SABS Certified, SANS 52842 and/or SANS 2531 and/or ISO 2531 and bearing the SABS mark scheme where applicable.	EA			
388	47308000253863	TEE - TYPE: Flange Branch Reduced; MATERIAL: Mild Steel; SIZE: 200mm x 200mm x 100mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24, Flange to be multi drilled; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
389	200017275	TEE - TYPE: Flange Branch Reduced; MATERIAL: Mild Steel; SIZE: 250mm x 250mm x 100mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class D, Flange to be multi drilled; STANDARDS: SANS 62 Cement Lined - AWWA C602-83, and/or ISO 2531 and/or BS EN 545.	EA			
390	200017276	TEE - TYPE: Flange Branch Reduced; MATERIAL: Mild Steel; SIZE: 250mm x 250mm x 150mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24, Flange to be multi drilled; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
391	47308000064009	TEE - TYPE: Flange Branch Reduced; MATERIAL: Mild Steel; SIZE: 300mm x 300mm x 100mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24, Flange to be multi drilled; STANDARDS: SANS 62, Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
392	B007955	TEE - TYPE: Flange Branch Reduced; MATERIAL: Mild Steel; SIZE: 300mm x 300mm x 150mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
393	B008045	TEE - TYPE: Flange Branch; MATERIAL: Mild Steel; SIZE: 150mm x 150mm; COATING: Internal to be cement lined to 6.35mm, and external pipe to be coated with Red Oxide; SPECIFICATIONS: Class 24,Flange to be multi drilled; STANDARDS: SANS:62 - Cement Lined -AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
394	200000406	TEE - TYPE: Flanged Branch Scour; MATERIAL: Ductile Iron; SIZE: 110mm x 110mm x 110mm; COATING: Fusion bonded epoxy coated; SPECIFICATIONS: Socketed ends with integral rubber seals. Flange to be multi drilled; STANDARDS: Certified, SANS 52842 and/or EN12842 and bearing the SABS mark scheme where applicable.	EA			
395	200007986	TEE - TYPE: Hydrant; MATERIAL: Cast Iron Cement Lined; SIZE: 200mm x 200mm x 75mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24,Flange to be multi drilled; STANDARDS: SANS 62 Cement Lined - AWWA C602-83	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
396	S00394432	TEE - TYPE: Hydrant; MATERIAL: Ductile Iron; SIZE: 110mm x 110mm x 75mm; COATING: Fusion bonded epoxy; SPECIFICATIONS: Socketed ends with integral rubber seals. Flange to be multi drilled; STANDARDS: SABS Certified, SANS 52842 and/or EN12842 and bearing the SABS mark scheme where applicable.	EA			
397	S00412600	TEE - TYPE: Hydrant; MATERIAL: Ductile Iron; SIZE: 160mm x 160mm x 75mm; COATING: Fusion bonded epoxy; SPECIFICATIONS: Socketed ends with integral rubber seals. Flange to be multi drilled; STANDARDS: SABS Certified, SANS 52842 and/or EN12842 and bearing the SABS mark scheme where applicable.	EA			
398	B007945	TEE - TYPE: Hydrant; MATERIAL: Mild Steel; SIZE: 250mm x 250mm x 75mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24, Flange to be multi drilled; STANDARDS: SANS 62 Cement Lined - AWWA C602-83.	EA			
399	B008050	TEE - TYPE: Hydrant; MATERIAL: Mild Steel; SIZE: 300mm x 300mm x 75mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24, Flange to be multi drilled; STANDARDS: SANS 62 Cement Lined - AWWA C602-83.	EA			
400	New code	"TEE - TYPE: Fire hydrant Moulded Plain End Reducing Tee; MATERIAL: HDPE; SIZE: 110mm x 110mm x 90mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
401	New code	"TEE - TYPE: Fire hydrant Moulded Plain End Reducing Tee; MATERIAL: HDPE; SIZE: 160mm x 160mm x 90mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-15	EA			
402	New code	"TEE - TYPE: Fire hydrant Moulded Plain End Reducing Tee; MATERIAL: HDPE; SIZE: 200mm x 200mm x 90mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-16	EA			
403	200025619	"TEE - TYPE: Moulded Plain End Reducing Tee; MATERIAL: HDPE; SIZE: 160mm x 110mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
404	200025620	"TEE - TYPE: Moulded Plain End Reducing Tee; MATERIAL: HDPE; SIZE: 200mm x 200mm x 110mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
405	200025701	"TEE - TYPE: Moulded Plain End Reducing Tee; MATERIAL: HDPE; SIZE: 200mm x 200mm x 160mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
406	200025702	"TEE - TYPE: Moulded Plain End; MATERIAL: HDPE; SIZE: 110mm x 110mm x 110mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
407	200025703	"TEE - TYPE: Moulded Plain End; MATERIAL: HDPE; SIZE: 160mm x 160mm x 160mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
408	200025704	"TEE - TYPE: Moulded Plain End; MATERIAL: HDPE; SIZE: 200mm x 200mm x 200mm; SPECIFICATIONS: Class 16 (SDR11) PE100; STANDARD: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14	EA			
409	B008085	TEE - TYPE: Plain End; MATERIAL: Mild Steel; SIZE: 225mm x 225mm x 225mm; COATING: Red oxide coated externally and 6.35mm cement lined internally;	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		SPECIFICATIONS: Class 24; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.				
410	B007980	TEE - TYPE: Plain End; MATERIAL: Mild Steel; SIZE: 50mm x 50mm x 50mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
411	B007970	TEE - TYPE: Plain End; MATERIAL: Mild Steel; SIZE: 75mm x 75mm x 75mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
412	47308000064181	TEE - TYPE: Plain Reducing Tee; MATERIAL: Mild Steel; SIZE: 150mm x 150mm x 100mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
413	B007975	TEE - TYPE: Plain Reducing Tee; MATERIAL: Mild Steel; SIZE: 75mm x 75mm x 50mm; COATING: Red oxide coated externally and 6.35mm cement lined internally; SPECIFICATIONS: Class 24; STANDARDS: SANS 62 Cement Lined - AWWA C602-83 and/or ISO 2531 and/or BS EN 545.	EA			
414	200001933	TEE - TYPE: Socketed - Reducing Tee; MATERIAL: Ductile Iron; SIZE: 160mm x 160mm x 110mm; COATING: fusion bonded epoxy, internal and externally; SPECIFICATIONS: Socketed ends with integral rubber seals. Flange to be multi drilled ; STANDARDS: SABS Certified, SANS 52842 and/or EN12842 and bearing the SABS mark scheme where applicable.	EA			
415	200017277	TEE - TYPE: Socketed - Reducing Tee; MATERIAL: Ductile Iron; SIZE: 250mm x 250mm x 110mm; COATING: fusion bonded epoxy coated, internal and externally; SPECIFICATIONS: Socketed ends with intergral rubber seals. Flange to be multi drilled; STANDARDS: SABS Certified, SANS 52842 and/or EN12842 and bearing the SABS mark scheme where applicable.	EA			
416	200001930	TEE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 110mm x 110mm x 110mm; COATING: fusion bonded epoxy, internal and externally; SPECIFICATIONS: Socketed ends with integral rubber seals. Flange to be multi drilled; STANDARDS: SABS Certified, SANS 52842 and/or EN12842 and bearing the SABS mark scheme where applicable.	EA			
417	200010129	TEE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 160mm x 160mm x 160mm; COATING: fusion bonded epoxy, internal and externally; SPECIFICATIONS: Socketed ends with integral rubber seals. Flange to be multi drilled a; STANDARDS: SABS Certified, SANS 52842 and/or EN12842 and bearing the SABS mark scheme where applicable.	EA			
418	200017278	TEE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 250mm x 250mm x 160mm; COATING: fusion bonded epoxy, internal and externally; SPECIFICATIONS: Socketed ends with integral rubber seals. Flange to be multi drilled; STANDARDS: SABS Certified, SANS 52842 and/or EN12842 and bearing the SABS mark scheme where applicable.	EA			
419	New code	VALVE - TYPE: Air Release; MATERIAL: 316 Stainless Steel; SIZE: 25mm; PN RATING: 16; COATING: Internal and external Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: Screw end connection to BSP.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
420	New code	VALVE - TYPE: Air Release; MATERIAL: 316 Stainless Steel; SIZE: 50mm; PN RATING: 16; COATING: Internal and external Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: Screw end connection to BSP.	EA			
421	New code	VALVE - TYPE: Air Release; MATERIAL: 316 Stainless Steel; SIZE: 80mm; PN RATING: 16; COATING: Flanges to be Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: flange studded end connection.	EA			
422	200026405	VALVE - TYPE: Air Release; MATERIAL: 304/316 Stainless Steel; SIZE: 25mm; PN RATING: 16; COATING: Internal and external Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: flange studded end connection.	EA			
423	200026404	VALVE - TYPE: Air Release; MATERIAL: 316 Stainless Steel; SIZE: 100mm; PN RATING: 16; COATING: Flanges to be Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: flange studded end connection.	EA			
424	200005229	VALVE - TYPE: Butterfly Double Flange; MATERIAL: Cast Iron; SIZE: 450mm; PN RATING: 16; COATING: Fusion Bonded Epoxy internal and externally; SPECIFICATIONS: Handwheel; STANDARDS: SANS 1849.	EA			
425	200011484	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 100mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Swing Check Flange, Flange to be Multi drilled; STANDARDS: SABS Certified, SANS:1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	EA			
426	200004846	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 100mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Wafer Double Door; STANDARDS: SABS Certified, SANS:1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	EA			
427	200004825	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 150mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Flanged Reflux Single Door, Flange to be Multi drilled; STANDARDS: SABS Certified, SANS:1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	EA			
428	48208000385336	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 150mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Wafer Double Door; STANDARDS: SABS Certified, SANS 1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	EA			
429	200004829	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 200mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Flanged Reflux Single Door. ,Flange to be Multi drilled; STANDARDS: SABS Certified, SANS 1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	EA			
430	S00071278	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 300mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Wafer Double Door; STANDARDS: SABS Certified, SANS:1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
431	200004845	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 80mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Flanged Reflux Single Door ,Flange to be Multi drilled; STANDARDS: SABS Certified, SANS 1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	EA			
422	200004849	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 100mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	EA			
433	200001906	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 150mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	EA			
434	S00254096	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 200mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	EA			
435	B008695	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 250mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	EA			
436	S00072657	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 300mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	EA			
437	200004862	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 50mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	EA			
438	S00072614	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 75mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	EA			
439	200005227	VALVE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 110mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top,Socketed with non-rising spindle; STANDARDS: SABS Certified, SANS-664 and bearing the SABS mark scheme where applicable.	EA			
440	200010171	VALVE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 160mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, Socketed with non-rising spindle; STANDARDS: SABS Certified, SANS-664 and bearing the SABS mark scheme where applicable.	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
441	200011682	VALVE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 250mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, Socketed with non-rising spindle; STANDARDS: SABS Certified, SANS-664 and bearing the SABS mark scheme where applicable.	EA			
442	200004868	VALVE - TYPE: Underground Fire Hydrant; MATERIAL: Ductile Iron; SIZE: 75mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally to comply with BS EN 1074-6; SPECIFIC USE: Under Ground; THREAD: London Round Thread 2½" outlet to BS750:2006; SPECIFICATIONS: Fully serviceable and maintainable for use with water and neutral liquids to a maximum temperature of 70 degrees Celsius. Multi-drilled inlet flange to BS EN1092, & BS10, Corrosion resistant construction. Spindle and fastenings to be stainless steel for increased durability and strength; STANDARDS: SANS 1128-1 and/or EN14399.	EA			
443	200004867	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 75mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
444	200004869	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 100mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
445	200004864	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 150mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
446	200004905	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 200mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
447	200025698	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 250mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
448	200004861	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 300mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water;	EA			

Item No.	Material Number	Material Description	UoM	Brand Offered	Supplier of products supplied (manufacturer name)	Unit Price (Excl VAT)
		STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.				
449	New code	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 350mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
450	New code	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 400mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
451	New code	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 450mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
452	New code	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 500mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	EA			
453	200011483	VALVE - TYPE: Non Return; SIZE: 150mm; MATERIAL: Ductile Iron; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Swing Check Flange, Flange to be Multi drilled.; STANDARD: SABS Certified, SANS:1551-1 and/or EN12433 and bearing the SABS mark scheme where applicable	EA			
454	200001406	WASHER - TYPE: Conical; MATERIAL: Rubber; SIZE: 15mm; SPECIFIC USE: Water Meters; STANDARDS: SANS 4633, WRAS approved.	EA			
455	200001405	WASHER - TYPE: Conical; MATERIAL: Rubber; SIZE: 20mm; SPECIFIC USE: Water Meters; STANDARDS: SANS 4633, WRAS approved.	EA			
456	200001407	WASHER - TYPE: Expansion; MATERIAL: Nylon; SIZE: 15mm; SPECIFIC USE: Water Meter Tailpiece; STANDARDS: DIN 34815.	EA			
457	200001404	WASHER - TYPE: Expansion; MATERIAL: Nylon; SIZE: 20mm; SPECIFIC USE: Water Meter Tailpiece; STANDARDS: DIN 34815.	EA			

INITIALS OF CCT OFFICIALS		
1	2	3

C.5 SPECIFICATION(S)

5.1 SPECIFICATIONS

1.1 Specifications for items are indicated in The Pricing Schedule.

1.2 Tenderers that submitted offers for items in C.4 Pricing schedule that is included schedule F.15, must complete the item(s) detail(s) on schedule F.15 in full, to demonstrate that the tendered items comply with the specifications. Failure to complete as instructed, for the item tendered for, in full will result in the item being found as non-responsive.

a. Make, Type, Model & other Requested Details

Tenderers must state the make (manufacturers name), type, model and any other requested details for all items offered in the Pricing Schedule.

b. Technical Data Sheets, Test Reports, SANS Certificates, and other requested documentation

Tenderers must clearly mark all technical data sheets, Test Reports, SANS Certificates and other requested documentation as per the Price Schedule (C.4) of the tender document.

c. UPVC Pipes and Fittings

UPVC pipes are of Unplasticised Poly Vinyl Chloride. All PVC pressure pipes shall comply with the relevant SABS standards, SAPPMA certification and to the class as specified/indicated in the schedule. All pipe lengths shall bear the SABS/SANS mark on each pipe length. Current/valid SABS/Product Technical datasheet/Test certificate of material from a SANAS Accredited certification body are required to be submitted at tender stage and must be attached to the tender offer.

The following SANS standards shall be applicable:

- SANS 966 – Part 1 - Components of pressure pipe systems Part 1: Unplasticized poly(vinyl chloride) (PVC-U) pressure pipe systems

Tenderers must state the make (manufacturers name), type, model and any other details for all items offered in the Pricing Schedule.

d. HDPE (High Density Polyethylene) Pipes and Fittings

All HDPE pipes shall comply with the relevant SANS standards and to the class as specified/indicated in the schedule. All pipe lengths shall bear the SABS/SANS mark on each pipe length.

The following SANS standards shall be applicable:

- SANS ISO 4427 High Density Polyethylene Piping – Plain ended pipes.
- SANS 10268-2 Welding of Thermoplastics – Welding Processes – Electrofusion welding

Pressure pipes shall be Class 12.5 or Class 16 as scheduled.

Current/valid SABS/Product Technical datasheet/Test certificate of material must be submitted at tender stage and must be attached to the tender offer. Pipes shall be not only SANS approved and to SANS specification. The pipe manufacturer shall be a member of and accredited by SAPPMA and proof thereof must be submitted /attached to the tender.

All pipes must be clearly marked as per SANS specification. No faded markings or material with no markings will be accepted. Tenderers must state the make (manufacturer's name), type, model and any other details for all items offered in the Pricing Schedule.

e. Ductile Iron, Cast Iron, Steel and Stainless Steel Coupling for Pipes and Fittings

As per the price schedule, couplings shall be Fusion Bonded Epoxy (FBE) protective coating or similar approved flexible coating to SANS 1217 and to minimum coating thickness of 250 micron (250 µm). Coupling rubber seals shall be EPDM to SANS 974-1. Bolts and nuts shall be stainless steel Grade 316. Couplings shall be rated as Class 12.5 or Class 16 as price scheduled.

Stainless Steel clamps and saddles shall have a pressure rating as per the price schedule and be to the diameter ranges and lengths specified.

The clamp shell, studs, nuts, bolting mechanism, armour plate and any outlets shall be stainless steel grade 316. The rubber mat gaskets shall be the full clamp size with gridded surface and have armour plates that are vulcanised into the rubber at the moulding stage. Clamps with tapped sockets shall be of the sizes specified.

Tenderers must state the make (manufacturer's name), type, model and any other details for all items offered in the Pricing Schedule.

f. Tees

As per the price schedule, Tees shall be Fusion Bonded Epoxy (FBE) protective coating or similar approved flexible coating to SANS 1217 and to minimum coating thickness of 250 micron (250 µm). Where applicable, cement line coatings shall be according to ISO 4179 - Cement mortar lining.

Tenderers must state the make (manufacturer's name), type, model and any other details for all items offered in the Pricing Schedule.

g. Valves

As per the price schedule, Valves shall be Fusion Bonded Epoxy (FBE) protective coating or similar approved flexible coating to SANS 1217 and to minimum coating thickness of 250 micron (250 µm).

All valves shall bear the relevant SANS/ISO/EN mark on the body of each valve.

Current/valid SABS and/or ISO/EN certificate(s) of material must be submitted at tender stage and must be attached to the tender offer.

The following SANS standards shall be applicable:

- SANS 1551-1 Check valves (flanged and wafer types)
- EN12334 – Industrial valves – cast iron check valves
- SANS 1849 Butterfly valves for general purposes
- SANS 664 Wedge gate and resilient seal valves for waterworks
- SANS 1128-1

Tenderers must state the make (manufacturers name), type, model and any other details for all items offered in the Pricing Schedule

h. ITEM 230 AND 231

Item No.	Material Number	Description
230	200003114	FIRE HYDRANT NOZZLE - TYPE: 2 Hole; MATERIAL: Steel; COATING: Hot Dipped Galvanized; SPECIFIC USE: Install hydrant stand pipe; DRAWING: WW Drawing W4-F-007; SPECIFICATIONS: London Round Thread, with 100mm flange; STANDARDS: SANS 121/ ISO 1461 approved and bearing the SABS mark (where applicable).
231	200003093	FIRE HYDRANT NOZZLE - TYPE: 3 Hole; MATERIAL: Steel; COATING: Hot Dipped Galvanized; SPECIFIC USE: Install hydrant stand pipe; DRAWING: DRAWING: WW Drawing W4-F-007; SPECIFICATIONS: London Round Thread, with 100mm flange; STANDARDS: SANS 121/ ISO 1461 approved and bearing the SABS mark (where applicable).

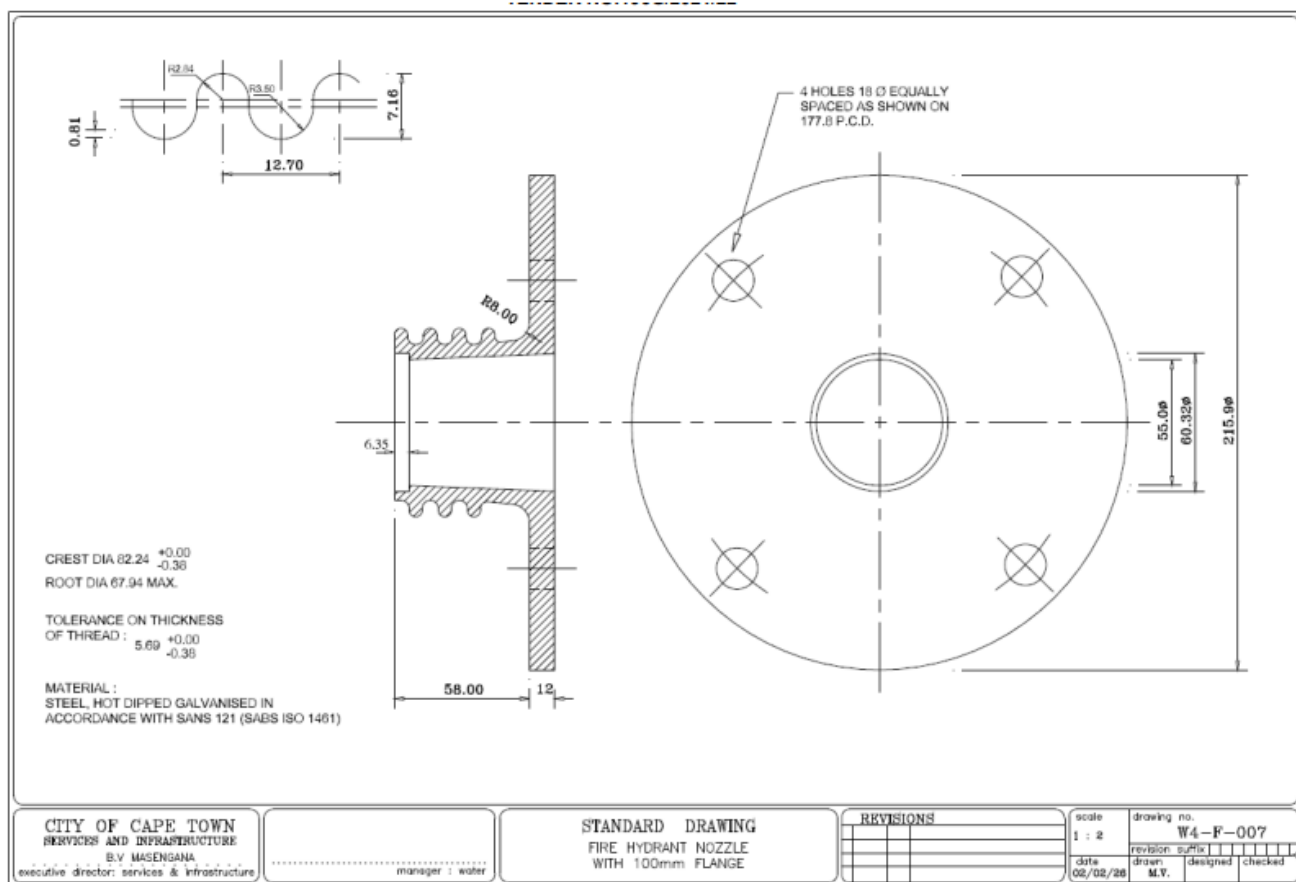


Figure 1: Item 230 and 231 _ Drawing No: W4-F-007

i. Item 256

Item No.	Material Number	Description
256	47108000254207	PIPE - TYPE: Approach & Tail Double Flange; SIZE: 100mm; MATERIAL: Mild Steel Cement Lined; SPECIFICATIONS: 150mm Internal Finished Bore; DWG NO: W4-M-001 2500mm, Approach Pipe with 1250mm Tail Pipe, Cement lining internal and externally. Cement lining to be 6.35mm thick; STANDARDS: AWWA C205 with SANS 62.

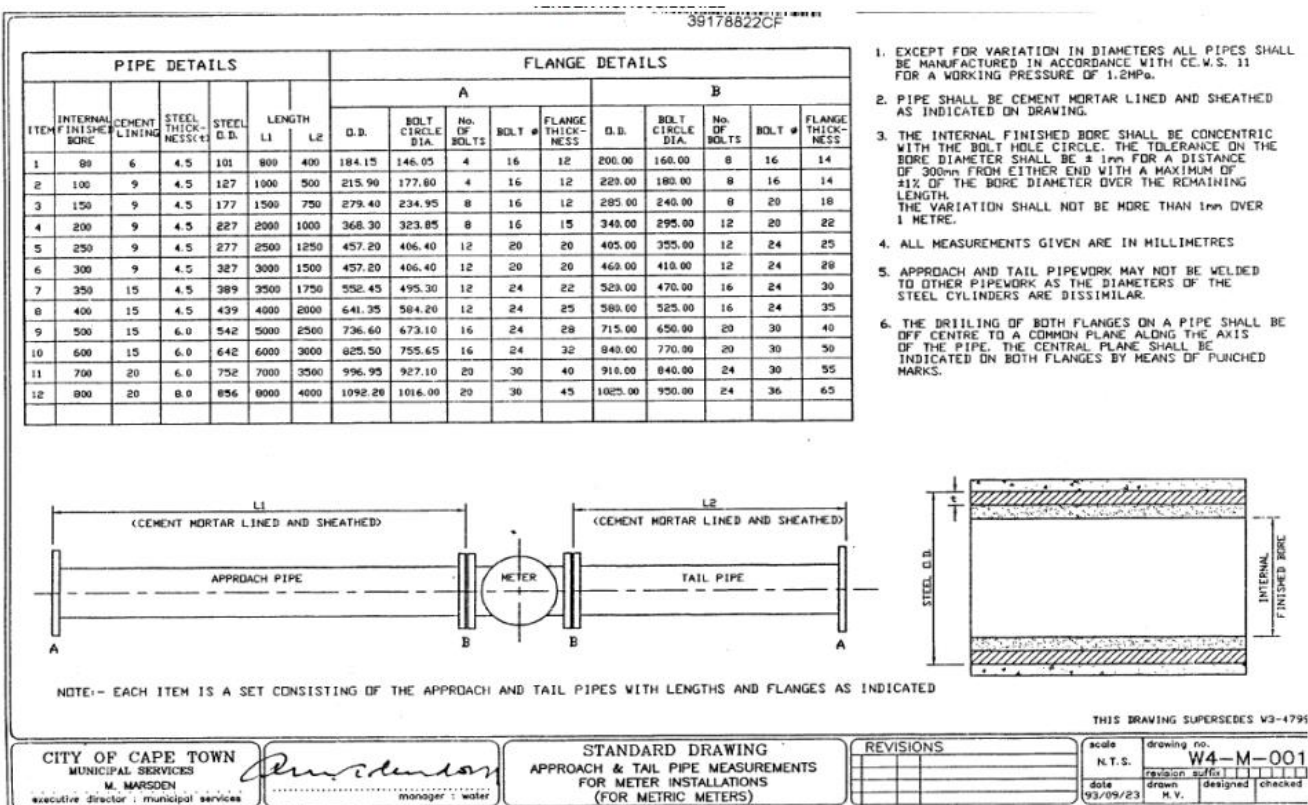


Figure 2. ITEM 256_ Drawing:W4-M-001

5.2 Lead Times

The tenderer to ensure that the products can be delivered within the lead times as per the price schedule of this tender document.

5.3 Technical Data Sheets

5.3.1 All items which are not stipulated under clause 2.2.1.1.4 Mandatory requirements, should clarification request be done, provide comprehensive, referenced schedule of product datasheets and test certifications (if required) as per the line item tendered for on the Pricing Schedule (C.4).

5.3.2 Tenderers must clearly label the technical data sheet to indicate the item as per the pricing schedule.

5.4 CHANGING OF BRANDS DURING THE TENURE OF THE CONTRACT

Once the tender has been awarded, the contractor will be obliged to deliver the brand that was indicated in the contractor's offer. The Service Provider may not change the brand names during the tenure of the contract without prior written approval from the City of Cape Town Representative. The City reserves the right to place orders with the Alternative Service Provider(s).

5.5 DELIVERY

The items will be required for delivery anywhere within the boundaries of the City of Cape Town at the physical delivery address as per the City's official purchase order. Should the Service Provider fail to deliver, as per indicated delivery periods, the City reserves the right to impose penalties as per clause 22.1 of the Special Conditions of Contract.

Tenderers to note that products offered and delivered must be of acceptable quality and free of defects.

5.6 RETURNS PROCESS

The supplier will be notified in writing by the City of Cape Town for stock that must be collected from stores as a result of non-conformance to quality standards or any other valid reasons in line with the tenderers obligation as set out in this document. Within three (3) working days after receiving communication from the purchaser, the supplier is to collect the stock from stores and on the same day issue a credit note to the purchase for the stock returned and must ensure that the credit note is in alignment with the stock collected from stores.

5.7 TRADE NAMES OR PROPRIETARY PRODUCTS

Tenderers/Suppliers must note that wherever this document refers to any particular trade mark, name, patent, design, type, specific origin or producer, such reference shall be deemed to be accompanied by the words "or equivalent".

5.8 FORMS FOR CONTRACT ADMINISTRATION

The Supplier shall complete, sign and submit with each invoice, the following:

- a) Monthly Project Labour Report (described below)

The Monthly Project Labour Report must include details of all labour (including that of sub-contractors) that are South African citizens earning less than **R500.00** per day, as adjusted from time to time (excluding any benefits), who are employed on a temporary or contract basis on this contract in the month in question.

In addition to the Monthly Project Labour Report the Supplier shall simultaneously furnish the CCT's Agent with copies of the employment contracts entered into with such labour, together with certified copies of identification documents, proof of attendance in the form of attendance register or timesheets as well as evidence of payments to such labour in the form of copies of payslips or payroll runs. If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it and proof of such acknowledgement shall be furnished to the CCT's Agent.

C.6 SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract, referring to the National Treasury – Conditions of Contract (revised July 2010), are applicable to this agreement.

1. Definitions

Insert new clause 1.1A with the following:

- 1.1A “Commencement Date” means the date the Supplier confirms receipt from the Purchaser of 1 (one) complete, signed copy of the Contract, the *Schedule of Deviations* (if any).
- 1.1B “Conditions of Contract” means the general conditions of contract and special conditions of contract including all other contract data incorporated by reference.

Delete Clause 1.15 and substitute with the following

- 1.15 The word ‘Goods’ is to be replaced everywhere it occurs in the GCC with the phrase ‘Goods and / or Services’ which means all of the equipment, machinery, materials, services, products, consumables, etc. that the Supplier is required to deliver to the Purchaser under the agreement. This definition shall also be applicable, as the context requires, anywhere where the words “supplies” and “services” occurs in the GCC.

Delete Clause 1.19 and substitute with the following

- 1.19 The word ‘Order’ is to be replaced everywhere it occurs in the GCC with the words ‘Purchase Order’ which means the official purchase order authorised and released on the Purchaser’s SAP System.

Delete Clause 1.21 and substitute with the following:

- 1.21 ‘Purchaser’ means the City of Cape Town. The address of the Purchaser is 12 Hertzog Boulevard, Cape Town, 8001 (chosen domicilium citandi et executandi).

Add the following after Clause 1.25:

- 1.26 ‘Supplier’ means the provider of Goods and / or Services with whom the Contract is concluded also referred to as “contractor” in the GCC.
- 1.27 "Intellectual Property" means any and all intellectual property rights of any nature anywhere in the world whether registered, registerable or otherwise, including patents, trademarks, registered designs and domain names, applications for any of the foregoing, trade or business names, copyright and rights in the nature of copyright, design rights, rights in databases, know-how, trade secrets and any other intellectual property rights which subsist in computer software, computer programs, websites, documents, information, techniques, business methods, drawings, logos, instruction manuals, lists and procedures and particulars of customers, marketing methods and procedures and advertising literature, including the "look and feel" of any websites
- 1.28 “Working Day” means Monday to Friday excluding weekends and Public Holidays (in the Republic of South Africa).

3. General Obligations

Delete Clause 3.2 in its entirety and replace with the following clauses.

- 3.2 The Parties will be liable to each other arising out of or in connection with any breach of the obligations detailed or implied in this contract, subject to clause 28.
- 3.3 If the Supplier is a joint venture, all parties in a joint venture or consortium shall be jointly and severally liable to the Purchaser in terms of the Contract and shall carry individually the minimum levels of insurance stated in the Contract, if any.

- 3.4 The Parties shall comply with all laws, regulations and bylaws of local or other authorities having jurisdiction regarding the Delivery of the Goods and/or Services and give all notices and pay all charges required by such authorities.
- 3.4.1 The Parties agree that this Contract shall also be subject to the CCT's Supply Chain Management Policy ("SCM Policy") that was applicable on the date the bid was advertised as amended from time to time. If the Purchaser adopts a new SCM Policy which contemplates that any clause therein would apply to the Contract emanating from this tender, such clause shall also be applicable to the Contract. Please refer to this document contained on the CCT's website.
- 3.4.2 Abuse of the supply chain management system is not permitted and may result in termination of the Contract, restriction of the Supplier, and/or the exercise by the CCT of any other remedies available to it as described in the SCM Policy or in law.
- 3.5 The Supplier shall:
- 3.5.1 Arrange for the documents listed below to be provided to the Purchaser prior to the issuing of the Purchase Order by the Purchaser and no later than the periods as set out in the Contract:
- a) Proof of Insurance (Refer to Clause 11) or Insurance Broker's Warrantee,
 - b) Letter of good standing from the Compensation Commissioner, or a licensed compensation insurer (Refer to Clause 11),
 - c) Initial delivery programme, and
 - d) Other requirements as detailed in the Contract.
- 3.5.2 Only when notified of the acceptance of the bid on the Date of Commencement of Contract, the Supplier shall commence with and carry out the Delivery of the Goods and/or Services in accordance with the Contract, to the satisfaction, of the Purchaser.
- 3.5.3 Provide all of the necessary materials, labour, plant and equipment required for the delivery of the Goods and/or Services including any temporary services that may be required.
- 3.5.4 Insure his workmen and employees against death or injury arising out of the delivery of the Goods.
- 3.5.5 Be continuously represented during the Delivery of the Goods and/or Services by a competent representative duly authorised to execute instructions.
- 3.5.6 In the event of a loss resulting in a claim against the insurance policies stated in clause 11, pay the first amount (excess) as required by the insurance policy.
- 3.5.7 Comply with all written instructions from the Purchaser subject to clause 18.
- 3.5.8 Complete and Deliver the goods within the period stated in clause 10, or any extensions thereof in terms of clause 21.
- 3.5.9 Make good at his own expense, all incomplete and defective Goods during the warranty period.
- 3.5.10 Pay to the Purchaser any penalty for delay as due on demand by the Purchaser. The Supplier hereby consents to such amounts being deducted from any payment due to the Supplier.
- 3.5.11 Comply with the provisions of the OHAS Act & all relevant regulations.
- 3.5.12 Comply with all laws relating to wages and conditions generally governing the employment of labour in the Cape Town area and any applicable Bargaining Council agreements.
- 3.5.13 Deliver the Goods in accordance with the Contract and with all reasonable care, diligence and skill in accordance with generally accepted professional techniques and standards.
- 3.6 The Purchaser shall:
- 3.6.1 Issue Purchaser Orders for the Goods and/or Services required under this Contract. No liability for

payment will ensue for arising out of the Delivery of the Goods and/or Services, unless a Purchase Order has been issued to the Supplier.

- 3.6.2 Make payment to the Supplier for the Goods and/or Services as set out herein.
- 3.6.3 Take possession of the Goods and /or Services upon Delivery by the Supplier.
- 3.6.4 Regularly inspect the Goods to establish that it is being delivered in compliance with the Contract.
- 3.6.5 Give any instructions and/or explanations and/or variations to the Supplier including any relevant advice to assist the Supplier to understand the Contract.
- 3.6.6 Grant or refuse any extension of time requested by the Supplier of the period stated in clause 10.
- 3.6.7 Inspect the Goods and/or Services to determine if, in the opinion of the Purchaser, it has been delivered in compliance with the Contract, alternatively in such a state that it can be properly used for the purpose for which it was intended.
- 3.6.8 Brief the Supplier and issue all documents, information, etc. in accordance with the contract.

5. Use of contract documents and information; inspection, copyright, confidentiality, etc.

Add the following after clause 5.4:

- 5.5 Copyright of all documents prepared by the Supplier in accordance with the relevant provisions of the Copyright Act (Act 98 of 1978) relating to the Contract shall be vested in the Purchaser. Where copyright is vested in the Supplier, the Purchaser shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the agreement and need not obtain the Supplier's permission to copy it for such use. Where copyright is vested in the Purchaser, the Supplier shall not be liable in any way for the use of any of the information other than as originally intended in terms of the agreement and the Purchaser hereby indemnifies the Supplier against any claim which may be made against it by any person / entity, arising from the use of such documentation for other purposes.

The ownership of data and factual information collected by the Supplier and paid for by the Purchaser shall, after payment, vest with the Purchaser.

- 5.6 **Publicity and publication**
The Supplier shall not release public or media statements or publish material related to the services or agreement within two (2) years of Delivery of the Goods, without the written approval of the Purchaser, which approval shall not be unreasonably withheld.
- 5.7 **Confidentiality**
Both Parties shall keep all information obtained by them in the context of the agreement, confidential and shall not divulge it without the written approval of the other Party.
- 5.8 **Intellectual Property**
 - 5.8.1 The Supplier acknowledges that it shall not acquire any right, title or interest in or to the Intellectual Property of the Purchaser.
 - 5.8.2 The Supplier hereby assigns to the Purchaser, all Intellectual Property created, developed or otherwise brought into existence by it for the purposes of the agreement, unless the Parties expressly agree otherwise in writing.
 - 5.8.3 The Supplier shall, and warrants that it shall:
 - 5.8.3.1 Not be entitled to use the Purchaser's Intellectual Property for any purpose other than as contemplated in the agreement;
 - 5.8.3.2 not modify, add to, change or alter the Purchaser's Intellectual Property, or any information or data related thereto, nor may the Supplier produce any product as a result of, including and/or arising from

any such information, data and Intellectual Property, and in the event that it does produce any such product, the product shall be, and be deemed in law to be, owned by the Purchaser;

- 5.8.3.3 Not apply for or obtain registration of any domain name, trademark or design which is similar to any Intellectual Property of the Purchaser;
- 5.8.3.4 Comply with all reasonable directions or instructions given to it by the Purchaser in relation to the form and manner of use of the CCT Intellectual Property, including without limitation, any brand guidelines which the Purchaser may provide to the Supplier from time to time;
- 5.8.3.5 Ensure that its employees, directors, members and contractors comply strictly with the provisions of this Clause 5.5.8.4 above unless the Purchaser expressly agrees to the contrary, in writing and only after obtaining due internal authority for such agreement.
- 5.8.4 The Supplier represents and warrants to the Purchaser that, in providing Goods and/or Services for the duration of the agreement it will not infringe or make unauthorised use of the Intellectual Property rights of any third party and hereby indemnifies the Purchaser from any claims, liability, loss, damages, costs, and expenses arising from the infringement or unauthorised use by the Supplier of any third party's Intellectual Property rights.
- 5.8.5 Upon expiry of the contract period and in the event that the Contract is terminated, ended or is declared void, any and all of the Purchaser's Intellectual Property, and any and all information and data related thereto, shall be immediately handed over to the Purchaser by the Supplier and no copies thereof shall be retained by the Supplier unless the Purchaser expressly and in writing, after obtaining due internal authority, agrees otherwise.

Add the following after clause 5.8:

5.9 Protection of Personal Information Act of 2013

By submitting a tender to the Purchaser, (and by concluding any ensuing related agreement with the City of Cape Town, if applicable), the Tenderer thereby acknowledges and unconditionally agrees:

- 5.9.1 that the tenderer has been informed of the purpose of the collection and processing of its personal information as defined in the Protection of Personal Information Act of 2013 ("POPIA"), which, for the avoidance of doubt is for, and in relation to, the tender process and the negotiation, conclusion, performance and enforcement of the ensuing agreement, if applicable, as well as for the City of Cape Town's reporting purposes;
- 5.9.2 to the collection and processing of the tenderer's personal information by the City of Cape Town and agrees to make available to the City of Cape Town, all information reasonably required by the City of Cape Town for the above purposes;
- 5.9.3 that the personal information the City of Cape Town collects from the tenderer or about the tenderer may be further processed for other activities and/or purposes which are lawful, reasonable, relevant and not excessive in relation to the purposes set out above, for which it was originally collected;
- 5.9.4 that, the tenderer indemnifies the City of Cape Town and its officials, employees, and directors and undertakes to keep the City of Cape Town and its officials, employees, and directors indemnified in respect of any claim, loss, demands, liability, costs and expenses of whatsoever nature which may be made against the City of Cape Town (including the costs incurred in defending or contesting any such claim) in relation to the tenderer or the tenderer's employees', representatives' and/or sub-Suppliers' non-compliance with POPIA and/or the City of Cape Town's failure to obtain the tenderer's consent or to notify the tenderer of the reason for the processing of the tenderer's personal information;
- 5.9.5 to the disclosure of the tenderer's personal information by the City of Cape Town to any third party, where the City of Cape Town has a legal or contractual obligation to disclose such personal information to the third party (or a legitimate interest exists therein);
- 5.9.6 that, under POPIA, the tenderer may request to access, confirm, request the correction, destruction, or deletion of, or request a description of, personal information held by the City of Cape Town in relation to

you, subject to applicable law; and

that under POPIA, subject to applicable law, the tenderer also has the right to be notified of a personal information breach and the right to object to, or restrict, the City of Cape Town's processing of its personal information.

5.10 **PERFORMANCE MONITORING**

- 5.10.1 As required by section 116(2)(b) of the Local Government: Municipal Financial Management Act 56 of 2003, the CCT shall monitor the performance of the Supplier on at least a monthly basis, and the Supplier agrees to provide the CCT with its full cooperation in this regard.

7. Performance Security

Not Applicable.

8. Inspections, tests and analyses

Delete Clause 8.2 and substitute with the following:

- 8.2 If it is a bid condition that Goods and/or Services 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 Supplier shall be open, at all reasonable hours, for inspection by a representative of the Purchaser or an organisation acting on behalf of the Purchaser.

10. Delivery and documents

Delete clauses 10.1 and 10.2 and replace with the following:

- 10.1 Delivery of the goods shall be made by the Supplier in accordance with the terms specified in the contract. The time for Delivery of the goods shall be the date as stated on the Purchase Order. In the case of agreements for Delivery of goods in terms of framework or panel agreements, Purchase Orders for the supply and delivery of goods may be raised up until the expiry of a framework or panel agreement, provided that the goods can be delivered within 30 (thirty) days of expiry of the framework or panel agreement. In this context, the "goods" does not include services and carries its ordinary meaning. All Purchase Orders other than for the supply and Delivery of goods (i.e. supply of services, professional services or constructions works), must be completed prior to the expiry of the contract period.
- 10.2 The Purchaser shall determine, in its sole discretion, whether the Goods and/or Services have been delivered in compliance with the Contract, alternatively in such a state that it can be properly used for the purpose for which it was intended. When the Purchaser determines that the Goods and/or Services have been satisfactorily delivered, the Purchaser must issue an appropriate certification, or written approval, to that effect. Invoicing may only occur, and must be dated, on or after the date of such written acceptance of the Goods.

11. Insurance

Add the following after clause 11.1:

- 11.2 Without limiting the obligations of the Supplier in terms of this Contract, the Supplier shall effect and maintain the following additional insurances:
- 11.2.1 Public liability insurances, in the name of the Supplier, covering the Supplier and the Purchaser against liability for the death of or injury to any person, or loss of or damage to any property, arising out of or in the course of this Contract, in an amount not less than **R20 million** for any single claim;
- 11.2.2 Motor Vehicle Liability Insurance, in respect of all vehicles owned and / or leased by the Supplier, comprising (as a minimum) "Balance of Third Party" Risks including Passenger Liability Indemnity;
- 11.2.3 Registration / insurance in terms of the Compensation for Occupational Injuries and Disease Act, Act 130

of 1993. This can either take the form of a certified copy of a valid Letter of Good Standing issued by the Compensation Commissioner, or proof of insurance with a licenced compensation insurer, from either the Supplier's broker or the insurance company itself (see the Pro Forma Insurance Broker's Warranty).

11.2.4 In the case of Contracts for delivery of professional services, Professional indemnity insurance providing cover in an amount of not less than **R5 million** in respect of each and every claim during the contract period. **(Not Applicable)**

11.2.5 In the event of under insurance or the insurer's repudiation of any claim for whatever reason, the Purchaser will retain its right of recourse against the Supplier.

11.3 The Supplier shall be obliged to furnish the Purchaser with proof of such insurance as the Purchaser may require from time to time for the duration of this Contract. Evidence that the insurances have been effected in terms of this clause, shall be either in the form of an insurance broker's warranty worded precisely as per the pro forma version contained in the Pro forma Insurance Broker's Warranty or copies of the insurance policies.

15. Warranty

Add to Clause 15.2:

15.2 The warranty for this Contract shall remain valid for **twelve (12)** months from date of Delivery of the Goods and/or Services.

16. Payment

Delete Clause 16.1 in its entirety and replace with the following:

16.1 Payment of invoices will be made:

16.1.1 Within 30 (thirty) days of receiving the relevant invoice or statement from the Supplier, unless otherwise prescribed for certain categories of expenditure or specific contractual requirements in accordance with any other applicable policies of the Purchaser.

16.1.2 Notwithstanding anything contained above, the Purchaser shall not be liable for payment of any invoice that pre-dates the date of delivery of any Goods and/or Services.

Delete Clause 16.2 in its entirety and replace with the following:

16.2 The Supplier shall furnish the purchaser's Accounts Payable Department with an original tax invoice, clearly showing the amount due in respect of each and every claim for payment.

Add the following after clause 16.4

16.5 Notwithstanding any amount stated on the Purchase Order, the Supplier shall only be entitled to payment for Goods and/or Services actually delivered in terms of the Specification and Drawings, or any variations thereof made in accordance with clause 18. Any contingency sum included shall be for the sole use, and at the discretion, of the Purchaser.

16.6 The Purchaser will only make advanced payments to the Supplier in strict compliance with the terms and conditions as contained in the Pro forma Advanced Payment Guarantee and only once the authenticity of such guarantee has been verified by the Purchaser's Treasury Department. **(Not Applicable)**

17. Prices

Add the following after clause 17.1

17.2 If as a result of an award of a contract beyond the original tender validity period, the contract execution will be completed beyond a period of twelve (12) months from the expiry of the original tender validity period, then the contract may be subject to contract price adjustment for that period beyond such twelve (12)

months. An appropriate contract price adjustment formula will be determined by the Purchaser delegated authority if such was not included in the bid documents.

17.3 If as a result of any extension of time granted, the contract execution will be completed beyond a period of twelve (12) months from the expiry of the original tender validity period, then contract price adjustment may apply to that period beyond such twelve (12) months. An appropriate contract price adjustment formula will be determined by the Director: Supply Chain Management if such was not included in the bid documents.

17.4 The prices for the goods and/or Services delivered and services performed shall be subject to contract price adjustment in terms of Schedule F.1 Contract Price Adjustment and/or Rate of Exchange Variations and the following conditions will be applicable.

18. Contract Amendments

Delete the heading of clause 18 and replace with the following:

18. Contract Amendments and Variations

Add the following to clause 18.1:

Variations means changes to the Goods and/or Services, extension of the contract period or increases in the value of the Contract as a result of written instructions issued by the Purchaser to the Supplier. Such changes are subject to prior approval by the Purchaser's delegated authority. Should the Supplier deliver any Goods not described in a written instruction from the Purchaser, the Purchaser's liability for payment shall not arise until such time as the change has been duly approved and such approval communicated to the Purchaser.

20. Subcontracts

Add the following after clause 20.1:

20.2 The Supplier shall be liable for the acts, defaults and negligence of any subcontractor, his agents or employees as fully as if they were the acts, defaults or negligence of the Supplier.

20.3 Any appointment of a subcontractor shall not amount to a contract between the Purchaser and the subcontractor, or a responsibility or liability on the part of the Purchaser to the subcontractor and shall not relieve the Supplier from any liability or obligation under the Contract.

21. Delays in the supplier's performance

Delete Clause 21.2 in its entirety and replace with the following:

21.2 If at any time during the performance of obligations contained in the Contract the Supplier or its subcontractors should encounter conditions beyond their reasonable control which impede the timely delivery of the Goods and/or Services, the Supplier shall notify the Purchaser in writing, within 7 (seven) days of first having become aware of these conditions, of the facts of the delay, its cause(s) and its probable duration. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation, and may at his discretion extend the time for Delivery.

Where additional time is granted, the Purchaser shall also determine whether or not the Supplier is entitled to payment for additional costs in respect thereof. The principle to be applied in this regard is that where the Purchaser or any of its agents are responsible for the delay, reasonable costs shall be paid. In respect of delays that were beyond the reasonable control of both the Supplier and the Purchaser, additional time only (no costs) will be granted.

The Purchaser shall notify the Supplier in writing of his decision(s) in the above regard.

21.3 No provision in this Contract shall be deemed to prohibit the obtaining of Goods and/or Services from a national department, provincial department, or a local authority.

22. Penalties

Delete clause 22.1 and replace with the following:

22.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods and/or Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from amounts payable, as a penalty, a sum as stated herein for each day of the delay until actual Delivery or performance.

The penalty for this contract shall be 10% of the purchase order value, this is applicable for any late delivery of any part of the purchase order and / or persistent poor quality. This will be calculated on the purchase order value upon receipt of invoice.

22.2 The Purchaser shall, without prejudice to its other remedies under the contract, deduct from amounts payable, financial penalties as contained on the Preference Schedule for breaches of the conditions upon which preference points were awarded.

23. Termination for default

Delete the heading of clause 23 and replace with the following:

23. Termination

Add the following to the end of clause 23.1:

If the Supplier fails to remedy the breach in terms of such notice.

Add the following after clause 23.7:

23.8 In addition to the grounds for termination due to default by the Supplier, the Contract may also be terminated:

23.8.1 Upon the death of the Supplier who was a Sole Proprietor, or a sole member of a Close Corporation, in which case the contract will terminate forthwith.

23.8.2 If the Parties, by mutual agreement, terminate the Contract.

23.8.3 If a material irregularity vitiates the procurement process leading to the conclusion of the Contract, rendering the procurement process and the conclusion of the resulting Contract unfair, inequitable, non-transparent, uncompetitive or not cost-effective the Contract may be terminated by the Purchaser (upon conclusion of applicable processes by the City Manager as described in the Purchaser's SCM Policy).

23.8.4 Reputational risk or harm to the Purchaser

The Purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, may terminate the contract if the implementation of the contract may result in reputational risk or harm to the Purchaser as a result of (inter alia):

- a) reports of poor governance and/or unethical behaviour;
- b) association with known notorious individuals and family of notorious individuals;
- c) poor performance issues, known to the Purchaser
- d) negative social media reports;
- e) adverse assurance (e.g. due diligence) report outcomes; or
- f) circumstances where the relevant vendor has employed, or is directed by, anyone who was previously employed in the service of the state (as defined in clause 1.49), where the person is or was negatively implicated in any SCM irregularity.

By or in relation to the Supplier, the Contract may be terminated by the Purchaser after providing notice to the Supplier.

23.9 If the Contract is terminated in terms of clause 23.8, all obligations that were due and enforceable prior to the date of the termination, must be performed by the relevant Party.

26. Termination for insolvency

Delete clause 26.1 and replace with the following:

- 26.1 In the event of the Supplier becoming bankrupt or otherwise insolvent the Purchaser may elect to:
- 26.1.1 At any time, terminate the Contract by giving written notice to the Supplier; or
 - 26.1.2 Accept a Supplier's proposal (via the liquidator) to render delivery utilising the appropriate contractual mechanisms or takes steps to ensure its rights are protected and any negative impact on service delivery is mitigated.
- 26.2 In the event of the Purchaser electing to cancel the Contract in accordance with clause 26.1.1 above, the Purchaser shall make payment of all verified and signed off invoices. In the event of there being any dispute in respect of any outstanding invoices such dispute shall be dealt with in accordance with the dispute resolution mechanism in the Contract.

27. Settlement of Disputes

Amend clause 27.1 as follows:

- 27.1 If any dispute or difference of any kind whatsoever, with the exception of termination in terms of clause 23 arises between the Purchaser and the Supplier in connection with or arising out of the Contract, the Parties shall make every effort to resolve such dispute or difference amicably, by mutual consultation.

Delete Clause 27.2 in its entirety and replace with the following:

- 27.2 Should the Parties fail to resolve any dispute by way of mutual consultation, either party shall be entitled to refer the matter for mediation before an independent and impartial person appointed by the City Manager in accordance with Regulation 50(1) of the Local Government: Municipal Finance Management Act, 56 of 2003 – Municipal Supply Chain Management Regulations (Notice 868 of 2005). Such referral shall be done by either party giving written notice to the other of its intention to commence with mediation. No mediation may be commenced unless such notice is given to the other party.

Irrespective whether the mediation resolves the dispute, the Parties shall bear their own costs concerning the mediation and share the costs of the mediator and related costs equally.

The mediator shall agree the procedures, representation and dates for the mediation process with the Parties. The mediator may meet the Parties together or individually to enable a settlement.

Where the Parties reach settlement of the dispute or any part thereof, the mediator shall record such agreement and on signing thereof by the Parties the agreement shall be final and binding.

Save for reference to any portion of any settlement or decision which has been agreed to be final and binding on the Parties, no reference shall be made by or on behalf of either party in any subsequent court proceedings, to any outcome of an amicable settlement by mutual consultation, or the fact that any particular evidence was given, or to any submission, statement or admission made in the course of amicable settlement by mutual consultation or mediation.

28. Limitation of Liability

Delete clause 28.1 (a) and (b) and replace with the following:

- (a) notwithstanding any provision to the contrary contained in this contract, neither the supplier nor any of its officers, directors, employees, agents contractors, consultants or other representatives shall be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect, incidental, special or consequential loss or damage of any kind, including without limitation the loss of use, loss of production, or loss of profits or interest costs, loss of goodwill, lost or damaged data or software, costs of substitute products/services and/or loss of business or business opportunities (whether foreseeable or unforeseeable), provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser;
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or

otherwise, shall not exceed the sums insured in terms of clause 11 in respect of insurable events, or where no such amounts are stated, to an amount equal to twice the Contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

Add the following after clause 28.1:

28.2 Without detracting from, and in addition to, any of the other indemnities in this Contract, the Supplier shall be solely liable for and hereby indemnifies and holds harmless the Purchaser against all claims, charges, damages, costs, actions, liability, demands and/or proceedings and expense in connection with:

- a) personal injury or loss of life to any individual;
- b) loss of or damage to property;

arising from, out of, or in connection with the performance by the Supplier in terms of this Contract, save to the extent caused by the gross negligence or wilful misconduct of the Purchaser.

28.3 The Supplier and/or its employees, agents, concessionaires, suppliers, sub-contractors or customers shall not have any claim of any nature against the purchaser for any loss, damage, injury or death which any of them may directly or indirectly suffer, whether or not such loss, damages, injury or death is caused through negligence of the Purchaser or its agents or employees.

28.4 Notwithstanding anything to the contrary contained in this Contract, under no circumstances whatsoever, including as a result of its negligent (including grossly negligent) acts or omissions or those of its servants, agents or contractors or other persons for whom in law it may be liable, shall any party or its servants (in whose favour this constitutes a *stipulatio alteri*) be liable for any indirect, extrinsic, special, penal, punitive, exemplary or consequential loss or damage of any kind whatsoever, whether or not the loss was actually foreseen or reasonably foreseeable), sustained by the other party, its directors and/or servants, including but not limited to any loss of profits, loss of operation time, corruption or loss of information and/or loss of contracts.

28.5 Each party agrees to waive all claims against the other insofar as the aggregate of compensation which might otherwise be payable exceeds the aforesaid maximum amounts payable.

31. Notices

Delete clauses 31.1 and 31.2 and replace with the following:

31.1 Any notice, request, consent, approvals or other communications made between the Parties pursuant to the Contract shall be in writing and forwarded to the addresses specified in the Contract and may be given as set out hereunder and shall be deemed to have been received when:

- a) hand delivered – on the day delivery of delivery or the next Working Day,
- b) sent by registered mail – five (5) Working Days after mailing,
- c) sent by email or telefax – one (1) Working Day after transmission.

32. Taxes and Duties

Delete the final sentence of 32.3 and replace with the following:

. In this regard, it is the responsibility of the Tenderer to submit evidence in the form of a valid Tax Compliance Status PIN issued by SARS to the CCT at the Supplier Management Unit located within the Supplier Management / Registration Office, 2nd Floor (Concourse Level), Civic Centre, 12 Hertzog Boulevard, Cape Town (Tel 021 400 9242/3/4/5), or included with this tender.

Add the following after clause 32.3:

32.4 The VAT registration number of the CCT is 4500193497.

ADDITIONAL CONDITIONS OF CONTRACT

Add the following Clause after Clause 34:

35. Reporting Obligations

35.1 The Supplier shall complete, sign and submit with each delivery note, all the documents as required in the Specifications including Monthly Project Labour Reports (Annexure B). Any failure in this regard may result in a delay in the processing of payments.

C.7 GENERAL CONDITIONS OF CONTRACT

(National Treasury - General Conditions of Contract (revised July 2010))

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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 or her 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 in which an enterprise abroad is subsidised 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 recognised 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 with 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 consignee's store or to his site' means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11 'Dumping' occurs when a private enterprise abroad markets its goods on its own initiative in the RSA at lower prices than that of the country of origin, and which action has the potential to harm the local industries in the RSA.
- 1.12 'Force majeure' means an event beyond the control of the supplier, not involving the supplier's fault or negligence, and not foreseeable. Such events may include, but are 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 organisation 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 the 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 the use of the goods or any part thereof by the purchaser.

7. Performance Security

7.1 Within 30 (thirty) 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 the 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.
- 1.3 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 30 (thirty) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in the 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 organisation acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention of such 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 analysed 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 the 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 the 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 the SCC.
- 10.2 Documents to be submitted by the supplier are specified in the 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 the SCC:
- (a) performance or supervision of on-site assembly, and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for the 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 the 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 12 (twelve) 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 18 (eighteen) 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 the SCC.

15.3 The purchaser shall notify the supplier promptly, in writing, of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified in the 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 the 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 the SCC.

16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of any other obligations stipulated in the contract.

16.3 Payments shall be made promptly by the purchaser, but in no case later than 30 (thirty) days after submission of an invoice or claim by the supplier.

16.4 Payment will be made in Rand unless otherwise stipulated in the 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 tendered by the supplier in his bid, with the exception of any price adjustments authorized in the SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract Amendments

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

19. Assignment

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

20. Subcontracts

20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract 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 the 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 or her 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 of supplies; or to have minor essential services executed if an emergency arises, or 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 14 (fourteen) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated 14 (fourteen) 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 5 (five) 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, Act 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 of not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction, and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidised 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 or she 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 or her.

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 notify the purchaser promptly, 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 such dispute or difference amicably, by mutual consultation.

27.2 If, after 30 (thirty) 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 to 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 the 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, licence fees, and other such levies imposed outside the purchaser's country.

32.2 A local supplier shall be entirely responsible for all taxes, duties, licence 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, Act 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, Act 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 10 (ten) years and/or claim damages from the bidder(s) or contractor(s) concerned.

C.8 ANNEXURES

Annexure A – Pro Forma Insurance Broker's Warranty

Broker Logo

Letterhead of supplier's Insurance Broker

Date _____

CCT
City Manager
Civic Centre
12 Hertzog Boulevard
Cape Town
8000

Dear Sir

TENDER NO.: 254G/2024/25

TENDER DESCRIPTION: The supply and delivery of water distribution materials

NAME OF SUPPLIER: _____

I, the undersigned, do hereby confirm and warrant that all the insurances required in terms of the abovementioned contract have been issued and/or in the case of blanket/umbrella policies, have been endorsed to reflect the interests of the CCT with regard to the abovementioned contract, and that all the insurances and endorsements, etc., are all in accordance with the requirements of the contract.

I furthermore confirm that all premiums in the above regard have been paid.

Yours faithfully

Signed: _____

For: _____ (Supplier's Insurance Broker)

Annexure B – Monthly Project Labour Report

ANNEX 1

CITY OF CAPE TOWN MONTHLY PROJECT LABOUR REPORT



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Instructions for completing and submitting forms

General

- 1 The Monthly Project Labour Reports must be completed in full, using typed, proper case characters; alternatively, should a computer not be available, handwritten in black ink.
- 2 Incomplete / incorrect / illegible forms will not be accepted.
- 3 Any conditions relating to targeted labour stipulated in the Contract (in the case of contracted out services or works) shall apply to the completion and submission of these forms.
- 4 This document is available in Microsoft Excel format upon request from the City's EPWP office, tel 021 400 9406, email EPWPLR@capetown.gov.za.

Project Details

- 5 If a field is not applicable insert the letters: NA
- 6 Only the Project Number supplied by the Corporate EPWP Office must be inserted.
The Project Number can be obtained from the Coordinator or Project Manager or from the e-mail address in point 4 above.
- 7 On completion of the contract or works project the anticipated end date must be updated to reflect the actual end date.

Beneficiary Details and Work Information

- 8 Care must be taken to ensure that beneficiary details correspond accurately with the beneficiary's ID document.

- 9 A new beneficiary is one in respect of which a new employment contract is signed in the current month. A certified ID copy must accompany this labour report on submission.
- 10 Was the beneficiary sourced from the City's job seeker database?
- 11 The contract end date as stated in the beneficiary's employment contract.
- 12 Where a beneficiary has not worked in a particular month, the beneficiary's name shall not be reflected on this form at all for the month in question.
- 13 Training will be recorded separately from normal working days and together shall not exceed the maximum of 23 days per month
- 14 Workers earning more than the maximum daily rate (currently R450 excluding any benefits) shall not be reflected on this form at all.

Submission of Forms

- 15 Signed hardcopy forms must be scanned and submitted to the City's project manager in electronic (.pdf) format, together with the completed form in Microsoft Excel format.
- 16 Scanned copies of all applicable supporting documentation must be submitted along with each monthly project labour report. Copies of employment contracts and ID documents are only required in respect of new beneficiaries.
- 17 If a computer is not available hardcopy forms and supporting documentation will be accepted.

PROJECT DETAILS

Numbers in cells below e.g (6) refer to the relevant instruction above for completing and submitting forms

CONTRACT OR WORKS PROJECT NAME: (6)		EPWP SUPPLIED PROJECT NUMBER: (6)										
DIRECTORATE:		DEPARTMENT:										
CONTRACTOR OR VENDOR NAME:		CONTRACTOR OR VENDOR E-MAIL ADDRESS:										
CONTRACTOR OR VENDOR CONTACT PERSON:		CONTRACTOR OR VENDOR TEL. NUMBER:	CELL WORK									
PROJECT LABOUR REPORT CURRENT MONTH (mark with "X")												
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR

ACTUAL START DATE (yyyy/mm/dd)								ANTICIPATED / ACTUAL END DATE (yyyy/mm/dd) (7)							
TOTAL PROJECT EXPENDITURE / VALUE OF WORK DONE TO-DATE (INCLUDING ALL COSTS, BUT EXCLUDING VAT)															
R															

MONTHLY PROJECT LABOUR REPORT



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

BENEFICIARY DETAILS AND WORK INFORMATION

CONTRACT OR WORKS PROJECT NUMBER:	
--------------------------------------	--

Year	Month

Sheet		
1	of	

	(8)	(8)	(8)	(9)			(10)		(11)	(12)	(13)	(14)
No.	First name	Surname	ID number	New Beneficiary (Y/N)	Gender (M/F)	Disabled (Y/N)	Job seeker database (Y/N)	Contract start date (DDMMYY)	Contract end date (DDMMYY)	No. days worked this month (excl. training)	Training days	Rate of pay per day (R - c)
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

0 0 R -

Declared by Contractor or Vendor to be true and correct:	Name		Signature	
	Date			

Received by Employer's Agent / Representative:	Name		Signature	
	Date			

Annexure C - Pro Forma Performance Security/ Guarantee

NOT APPLICABLE

Annexure D - Pro Forma Advance Payment Guarantee

NOT APPLICABLE

Approved Financial Institution as at 28 February 2023:

1.1 National Banks

ABSA Bank Limited
Firststrand Bank Limited
Investec Bank Limited
Nedbank Limited
Standard Bank of South Africa Limited

1.2 International Banks (with branches in South Africa)

Barclays Bank PLC
Citibank NA
Credit Agricole Corporate and Investment Bank
HSBC Bank PLC
JPMorgan Chase Bank
Societe Generale
Standard Chartered Bank

1.3 Insurance Companies

American International Group Inc (AIG)
Bryte Insurance Company Limited
Coface SA
Compass Insurance Company Limited
Credit Guarantee Insurance Corporation of Africa Limited
Guardrisk Insurance Company Limited
Hollard Insurance Company Limited
Infiniti Insurance Limited
Lombard Insurance Company Limited
Mutual and Federal Risk Financing Limited
New National Assurance Company Limited
PSG Konsult Ltd (previously Absa Insurance)
Regent Insurance Company Limited
Renasa Insurance Company Limited
Santam Limited...]

Schedule F.1: Contract Price Adjustment

F.1: Contract Price Adjustment and/or Rate of Exchange Variation

1. TENDER CONDITIONS

- 1.1 The Contract Price Adjustment (CPA) mechanism and/or provisions relating to Rate of Exchange (RoE) Variation, contained in this schedule is compulsory and binding on all Tenderers/Suppliers and this schedule (the parts relevant to the particular tender) must be completed by all Tenderers / Suppliers.
- 1.2 Tenderers/Suppliers are not permitted to amend, vary, alter or delete this schedule or any part thereof unless otherwise stated in this schedule.
- 1.3 Tenderers are not permitted to offer fixed and firm prices except as provided for in the Price Schedule.

2. CPA PROVISIONS SELECTION

- 2.1 The prices stipulated on the Price Schedule are subject to adjustment as set out below.
- 2.2 Tenderer to indicate the specific CPA and/or RoE provisions applicable to their bid by marking the relevant checkboxes below. Tenderers to note that the CPA and/or RoE provisions are not exclusive and multiple CPA Types can exist if the bid contains both local and foreign exchange based pricing. In such cases the CPA and/or ROE provision applies only to that particular portion of the tendered price.
- 2.3 The CPA and/or RoE provisions applicable to this tender and resulting contract are to be indicated below by checking the relevant boxes (with multiple selections only where indicated permissible):

	<u>Indicate option</u>	<u>CPA Type</u>	<u>Period</u>	<u>Refer to Section</u>
A	<div style="text-align: center;">↓</div> N/A	FIRM PRICES as per Pricing Schedule	Annual	<i>Pricing Schedule C.4 and Schedule F.1 (A)</i>
<u>LOCAL (RSA) TENDER CONTENT:</u>				
EITHER				
B	N/A	SEIFSA Index based CPA	Monthly / Quarterly	<i>Schedule F.1 (B)</i>
OR				
C	<input type="checkbox"/>	Pricelist / Quotation Based CPA	Ad-Hoc	<i>Schedule F.1 (C)</i>
OR				
D	<input type="checkbox"/>	STATS SA CPI Index Based CPA	Annually	<i>Schedule F.1 (D)</i>
OR				
E	<input type="checkbox"/>	STATS SA PPI Index Based CPA	Annually	<i>Schedule F.1 (E)</i>
<u>IMPORTED GOODS AND / OR COMPONENTS (IF APPLICABLE)</u>				
F	<input type="checkbox"/>	ROE based CPA	Ad-Hoc	<i>Schedule F.1 (F)</i>
AND (IF REQUIRED), EITHER				
G	<input type="checkbox"/>	Pricelist / Quotation based CPA	Ad-Hoc / Periodic	<i>Schedule F.1 (G)</i>
OR				
H	<input type="checkbox"/>	Overseas CPI / PPI index based CPA	Ad-Hoc / Periodic	<i>Schedule F.1 (H)</i>

- 2.4 CPA and/or RoE provisions marked as **not applicable** is not relevant and will not apply to this tender and resulting contract.

3. CONTRACT CPA APPLICATIONS AND ADMINISTRATION

3.1 Any claim for variation in the contract price (either CPA or RoE adjustments) must be submitted in writing:

- i. By letter to: Director Supply Chain Management, City of Cape Town,
P O Box 655, Cape Town, 8000 or
- ii. By email to: **ISMContracts.CPARequest@capetown.gov.za**

at least 14 days prior to the month upon which the adjustment would become effective in the case of prices being set in advance, and as soon as relevant indices are available and no later than 60 days after the date of delivery of goods or the completion of the project (i.e. date of issue of the Taking-Over Certificate, if applicable) in the case of adjustments being claimed retrospectively for Goods or Services. The latter case is only applicable where specifically provided for in the CPA provisions.

3.2 When submitting a request for CPA and/or RoE adjustment the Supplier shall indicate the Rand Value claimed for each item listed on C.4 - Price Schedule, clearly indicating the item number as per C.4 - Price Schedule. Percentage increases will not be considered. A mere notification of a request for CPA without stating the new price claimed for each item shall, for the purpose of this clause, not be regarded as a valid request.

3.3 The CCT reserves the right to request the Supplier to submit auditor's certificates or such other documentary proof as it may require in order to verify a claim for CPA or RoE adjustments. Price adjustments will not be processed until such time as the Supplier submits such auditor's certificates or other documentary proof to the CCT. Should the Supplier fail to submit the auditor's certificates or other documentary proof to the CCT within 30 days from the written request, it shall be presumed that the Supplier has abandoned his request.

3.4 The CCT reserves the right to withhold payment of any claim for adjustment while only provisional figures are available and until such time as the final (revised) figures are issued by the relevant authority.

3.5 The CCT will confirm in writing once processing of the CPA or RoE adjustments have been completed including the effective date of the adjustments.

3.6 Where pricelist-based and other non-index based CPA requests are investigated and found to be not reasonable and market related, the CCT reserves the right to reject such requests. Where disputes arise with respect to such rejected requests the CCT reserves the right to procure the Goods from other available Suppliers until such time as the dispute is resolved.

3.7 Unless indicated otherwise in the relevant schedule below, the adjustment will apply to all Purchase Orders or Purchase Order lines where the delivery date is on or after the effective date of the adjustment.

F.1 (A) – FIRM PRICES

NOT APPLICABLE

F.1 (B) LOCAL SOUTH AFRICAN CONTENT – SEIFSA INDICES

NOT APPLICABLE

F.1 (C) LOCAL SOUTH AFRICAN CONTENT - SUPPLIER/ MANUFACTURER PRICE LIST/QUOTATIONS

1. Tenderers /Suppliers that are not the manufacturer or original supplier of the tendered goods and whose tender prices are based on the price list/quotation of another company (manufacturer or other supplier) may apply Supplier / Manufacturer Pricelist / Quotation based CPA.
2. In such cases the Tenderer is required to submit with his tender a copy of the original Supplier / Manufacturer Pricelist / Quotation upon which his tender prices are based. Such pricelist / Quotation is required to be on the Letterhead of the Supplier / Manufacture, is to be dated, referenced and signed, and is to provide clear reference to the tender number and is required to clearly reference each item quoted to the respective Tender Item Number indicated in C.4 Price Schedule.
3. The tenderer shall further confirm the Manufacturer / supplier, Quotation date and reference number and applicable tender Items by completing Table F.1(C).1 below.

Table F.1(C).1: Price Schedule information for Manufacturers/Suppliers Price List(s)/Quotation

Manufacturer/ Supplier Name	Price List Information		
	Price List/Quotation Date.	Price List/Quotation Reference Number	Pricelist applicable to Items as per C.4 Price Schedule

4. During the contract period, the Tenderer (now Supplier) must submit the request for price adjustment based on increases in pricelists of manufacturers/suppliers prior to the effective date of the increase in the pricelist.
5. The effective date of any price adjustment granted will be the first day of the month following the month during which the fully substantiated application for contract price adjustment is submitted or, by agreement between the Tenderer/Supplier and the CCT, a subsequent date on which the price adjustment will become effective.
6. In instances where the Supplier's price adjustment claimed is less than entitled, the lesser price will be accepted.
7. Purchase orders placed prior to the effective date of any price increase shall be placed at the previously agreed price, not the claimed adjusted price.
8. Only the difference in source supplier / manufacturer pricelist (actual cost, not percentage) may be adjusted and under no circumstances may the Tenderer/Supplier increase their profit margin.
9. The Tenderer/Supplier shall, when submitting claims for contract price adjustment, submit all of the documentation indicated below a minimum of two weeks prior to the effective date of the contract price adjustment:
 - a) Copies of price lists upon which original tender prices were based (refer to clause 2, Table F.1(C).1 above) clearly indicating the item(s) according to C.4 Price Schedule.
 - b) The new price list (*from the same Supplier / Manufacturer as originally tendered*) on the relevant manufacturer/suppliers letterhead (with pamphlets, brochures and e-mail communication) clearly

indicating the item(s) according to C.4 Price Schedule.

- c) Detailed calculations indicating how the “adjusted” price was calculated. The calculations must be submitted in Excel, together with a signed, “PDF” version of the Excel spreadsheet. The example below – Table F.1(C).2, is what is required.
- d) A covering letter on the Supplier’s letterhead requesting the CPA with the effective date of the claim.

10. The CCT will consider the request and either refer the request back for correction or additional information or approve the request.
11. The CCT will assess such pricelist based CPA claims against market pricing and indices and other input pricing indicators and will only approve such claims that are confirmed to be reasonable and market related with reference to the source pricing information provided with the tender and with the CPA application
12. Approval of the CPA request including confirmation of the effective date, will be communicated to the Supplier in writing together with a list of the approved adjusted rates. The effective date will be as per clause 3 above.
13. The successful Tenderer/Supplier shall immediately upon notification of the commencement date of contract submit written application for approval of any adjusted unit prices for the Goods that may have been notified by the Supplier / Manufacturer of the Goods, together with the required supporting documentation. This application will be assessed in accordance with the process laid out above in order to determine approved contract prices at the commencement of the contract.
14. Failure to submit such application within two working weeks of commencement of contract shall result in the tendered unit prices being applied for initial orders placed following commencement of the contract.
15. In the event of a Supplier changing their Supplier / Manufacturer during the tenure of the contract, no request for price variations will be considered unless the Supplier has obtained prior approval from the City for the change of Supplier / Manufacturer. Such approval shall include technical approval by the Engineer of the goods supplied by the replacement Supplier / Manufacturer. Technical approval by the Engineer shall be a prerequisite for any change of Supplier / Manufacturer.

Table F.1(C).2 – Pro Forma Table for Adjustments in price where the Supplier is not the Manufacturer)

C.4 Price Schedule Item No.	Original Tender Price	Previous and New Price List Information					New Contract Price (Excl. VAT)
		Manufacturer/ Supplier	Material no.	Price as per previous Manufacturer/ Supplier Price List (Excl. Vat) Price List Date: _____	Price as per new Supplier/ Manufacturer Price List (Excl. Vat) Price List Date: _____	Difference between the previous and new manufacturer Price list (C)-(B)	
	(A)			(B)	(C)	(D)	(A)+(D)

**When submitting the first request for price adjustment, use the tender price as per C.4 Price Schedule.*

F.1 (D) LOCAL SOUTH AFRICAN CONTENT - STATS SA CONSUMER PRICE INDEX

1. Applicable where the Tenderer/Suppliers has indicated their tendered prices are subject to adjustment based on changes in the Statistics South Africa (STATS SA) Consumer Price Indices.
2. A minimum of 10% of the tender price as per C.4 Pricing Schedule shall be fixed and free of variation for the duration of the contract.
3. A total of 90% of the tender price as per C.4 Pricing Schedule shall be adjusted annually in accordance with clause 5 below.
4. The Contract Price(s) shall remain FIRM for the first 12 calendar months from date of Commencement Date of Contract and Suppliers are not permitted to requests CPA during this period.
5. The Contract Price(s) will thereafter be subject to adjustment annually based on the average percentage of change over 12 months as published by STATS SA: Consumer Price Index (P0141–Table B2 – CPI headline year-on-year rates) as follows:
 - 5.1 CPA applicable from the start of the 13th month to the end of the 24th month calculated as follows:
 - a) The base month for the price adjustment being three (3) calendar months prior to Commencement Date of Contract; and
 - b) The end month shall be three (3) calendar months prior to the 12th month.
 - 5.2 CPA applicable from the start of the 25th month to end of the 36th month calculated as follows:
 - a) The base month for the price adjustment shall be three (3) calendar months prior to the 13th month; and
 - b) The end month shall be three (3) calendar months prior to 24th month.
 - 5.3 The average CPI percentage will be calculated using the base month to the end month (both included) divided by the number of months. (12 months totalled/12 to achieve the average CPI)
6. 6 Subject to prior approval by the CCT delegated authority, in the event of any extension of the contract period, the CPA applicable beyond month 36th of the contract will follow the same principle in determining the base month (i.e. 3 calendar months prior to 25th month) and end date (3 calendar months prior to 36th month) as outlined above.

F.1. (E) Contract Price Adjustment – Producer Price Index

1. The applicable Contract Price Adjustment mechanism contained in this schedule is compulsory and binding on all tenderers.
2. Failure to complete this schedule or any part thereof may result in the tender offer being declared non-responsive.
3. Tenderers are not permitted to amend, vary, alter or delete this schedule; or any part thereof unless otherwise stated in this schedule, failing which the tender offer may be declared non-responsive.
4. Tenderers are not permitted to offer firm prices except as provided for in the Price Schedule, and if the tenderer offers firm prices in contravention of this clause the tender offer may be declared non-responsive.
5. Any claim for an increase in the contract price shall be submitted in writing to the Contract Manager prior to the month upon which the price adjustment would become effective. Contract Manager details will be confirmed at the commencement of the contract.
6. The CCT reserves the right to withhold payment of any claim for contract price adjustment while only provisional figures are available and until the final (revised) figures are issued by the relevant authority.
7. When submitting a claim for contract price adjustment, a supplier shall indicate the actual amount claimed for each item. A mere notification of a claim for contract price adjustment without stating the new price claimed for each item shall, for the purpose of this clause, not be regarded as a valid claim.
8. The CCT reserves the right to request the supplier to submit auditor's certificates or such other documentary proof as it may require in order to verify a claim for contract price adjustment. Should the supplier fail to submit such auditor's certificates or other documentary proof to the CCT within a period of 30 (thirty) days from the date of the request, it shall be presumed that the supplier has abandoned his claim.
9. The effective date of any price increases granted will be the date on which the abovementioned documentation/claim is submitted or, by agreement between the Supplier and the City, a subsequent date on which the price increase will be effective
10. In instances where the Supplier's price claimed is less than entitled, the lesser price will be accepted.
11. The CCT reserves the right to apply the indices available at the date of the claim submitted by the Supplier

Where prices are subject to adjustment, only the method prescribed in this tender document shall apply. If a Tenderer proposes any alternative method of price adjustment, its tender offer will be considered to be non-responsive and may for that reason be disqualified at the sole discretion of the City.

Prices tendered below shall be fixed and firm from the date of commencement of contract for a period of twelve (12) months, and thereafter will be subject to adjustment in accordance with Schedule F.1. Firm prices will not be considered and the tender will be declared non-responsive.

Contract Price Adjustment mechanism: Fixed for first twelve (12) months from date of commencement of contract, thereafter annually contract price adjustments in accordance to Producer Price Index (PPI) for the following twelve (12) months of the contract.

Producer Price Index (PPI) as published by STATSSA

The contract price as per GCC shall remain Firm for the first 12 months from date of commencement of the contract, and no claims for contract price adjustment will be considered for the first 12 months' subject to the provisions in the price schedule. Contract Price Adjustment will be applicable as from commencement of the 13th month. Suppliers shall be entitled to claim contract price adjustment as follows:

- 10% of the tendered rate will remain fixed for the duration of the contract.
- 90% of the year-on-year rate will be subject to adjustment annually based on the average percentage of 12 months as published by STATSSA (Publication | Statistics South Africa (statssa.gov.za): Producer Price Index as follows:

From start of 13th month to the end of the 24th month: Subject to contract price adjustment in accordance with the Producer Price Index.

Base month for the price adjustment shall be three (3) calendar months prior to the date of commencement. The end month shall be three (3) calendar months prior to the 12th month of contract commencement.

From start of 25th month to end of the contract: Subject to the contract price adjustment in accordance with the Producer Price Index.

Base month for the price adjustment shall be three (3) calendar months prior to the 13th month after contract commencement. The **end month** shall be three (3) calendar months prior to 24th month of contract commencement.

The average PPI will be calculated, the base month to the end month (both included) divided by the number of months.

Example:

The claim will be based on the average between the “base month” and the “end month” e.g.: $7+6+9+6 = 28$ $(28/4) = 7$ therefore the claim will be 7%

All requests for variation in the Contract price shall be submitted in writing as follows:

By email to: ISMContracts.CPARequest@capetown.gov.za

When submitting a claim for contract price adjustment the Contractor shall indicate the actual amount claimed for each item. A mere notification of a claim for contract price adjustment without stating the new price claimed for each item shall, for the purpose of this clause, not be regarded as a valid claim.

F.1. (F) GOODS AND/OR COMPONENTS IMPORTED FROM OUTSIDE OF SOUTH AFRICA RATE OF EXCHANGE PRICE VARIATIONS

1. Subject to the above, when tendered prices of certain items in C.4 Price Schedule are subject to adjustment for changes in the cost of goods and/or components imported from outside of South Africa, the Tenderer must (as part of the bid submission) provide a list of such items and other information as required in Table F.1 (F).2 below and include it in the bid submission.
2. Only tenderers who are the direct importer of the goods may claim rate of exchange price variations.

Table F.1 (F).1: Information required for prices subject to Rate of Exchange adjustments

Exchange Rate on which tender is based:	_____ 1 : Rand _____
Exchange Rate on which tender is based: (if more than one currency)	_____ 1 : Rand _____
Exchange Rate on which tender is based: (if more than one currency)	_____ 1 : Rand _____
Name of Bank	
Date of quoted rate of exchange	
Documentation relevant to calculation of adjustments based on Rate of Exchange (Mark with "x")	
Bill of Lading	
Waybill	
Customs invoice	
Other: _____	

7 TABLE F.1 (F).2: Price Basis for Imported Resources

C.4 Price Schedule Detail		Rand Value Calculation for Foreign Content (FOB)			Customs Surcharge		Customs Duty			Rand Value for South African Content (FOR)	Total Tender Price in Rand of (C) + (D) + (E) + (F) included in Price Schedule C.4
C.4 Price Schedule Item No.	Description of Resources	Value in Foreign Currency denomination	Rate of Exchange as at Base Date*	Value in Rand for Foreign currency content (A) x (B)	%	Rand	%	Rand	Customs Duty Tariff Reference	Value in Rand for South African Content	(G)
		(A)	(B)	(C)		(D)		(E)		(F)	

* Base Date: 7 (seven) calendar days before tender closing.

3. Any items/resources not inserted in Table F.1 (F).2 above, are deemed to be manufactured / supplied in South Africa and is not subject to adjustment in terms of variation in rate of exchange.
4. The price adjustment for variations in the cost of plant and materials imported from outside of South Africa shall be based on the information contained on the schedule titled "Price Basis for Imported Resources" (Table F.1 (F).2). The Rand value of goods and components comprising entirely or partly imported content that is inserted on the Table F.1(F).2 titled "Price Basis for Imported Resources" (column (G)) shall be the rate tendered in the Pricing Schedule C.4, and shall be the value in foreign currency (column (A)) converted to South African Rand (column (C)) by using the closing spot selling rate on the Base Date (seven calendar days before tender closing date) rounded to the second decimal place (column (B)), to which shall be added any Customs Surcharge and Customs Duty applicable at that date (columns (D) and (E)) and any South African manufactured or added content (column (F)). Any mark-up by the Tenderer or other costs not detailed above shall be entirely contained within the South African Content (Column (F)).

5. Column A of Table F.1 (F).2 shall detail the actual quotation for the imported Goods or components, and shall be substantiated by the original source quotation for such Goods or components. (Source quotation from foreign supplier/manufacturer, see Schedule F.1 (G), Table F.1 (G).1 below). No Supplier mark-up on the foreign currency value of such imported Goods or components is permissible. All Supplier mark-up shall be included in the South African content, Column F of Table F.1 (F).2 above.
6. Based on the evidence provided in Clause 5 above, the value in Rand inserted in column (C) on the schedule titled "Price Basis for Imported Resources" shall be recalculated using the forward cover rate obtained, and any increase or decrease in the Rand value defined in this clause shall be adjusted accordingly, subject to Clause 7 below.
7. The adjustments shall be calculated upon the value in foreign currency in the Supplier's forward cover contract, provided that, should this value exceed the value in foreign currency inserted in column (A) of on the schedule titled "Price Basis for Imported Resources", then the value in column (A) shall be used (or any adjusted value approved in accordance with Schedule F.1 (G) below).
8. Any increase or decrease in the Rand value between the amounts of Customs Surcharge and Customs Duty inserted in on the schedule titled "Price Basis for Imported Resources" and those amounts actually paid to the Customs and Excise Authorities, which are due to changes in the percentage rates applicable or to the foreign exchange rate used by the authorities, shall be adjusted accordingly.
9. The Tenderer shall state the Customs Duty Tariff Reference applicable to each item and the Supplier shall advise the CCT's Agent of any changes which occur.
10. Suppliers shall take out Forward Cover covering the foreign exchange component of the cost of any imported portion of the Goods ordered on each purchase order issued by the Employer.
11. The process to be followed by Suppliers for claims for Rate of Exchange Variations shall be as follows:
 - a) The Supplier shall within seven working days from the date of receipt of the purchase order arrange for cover or recovering forward by way of a contract with a bank which is an authorised foreign exchange dealer, the foreign exchange component of the cost of any imported goods and components inserted by the Tenderer on the scheduled titled "Price Basis for Imported Resources" (Table F.1 (F).2), and submit such Forward Cover quotation to the City for approval.
 - b) Upon receipt of the quotation for Forward Cover from the bank, the Supplier must forward the quote ideally, within 15 minutes of receiving it from their banker to the CCT: CPA.Request@capetown.gov.za and Contract Manager: ISMContracts.CPARequest@capetown.gov.za. This is to ensure that the time difference from generation of the quotation for Forward Cover to finalising the Forward Cover with the Bank, is kept to a minimum due to the change in the exchange rate throughout the day.
 - c) The Contract Manager will forward the quotation to the CCT Treasury Department immediately for their consideration and approval. The cut-off time for receipt of quotations for Forward Cover will be 14h00. It must be noted that if this deadline will not be achieved, it is recommended that the quotation process be undertaken on the following day which should fall within the 7 days of receipt of the purchase order.
 - d) Only once the Forward Cover quotation rate has been approved by CCT Treasury Department, may the Supplier finalise the Forward Cover contract with their bank at the rate approved by the CCT Treasury Department for that Purchase Order and forward a copy of the contract to the CCT via email: CPA.Request@capetown.gov.za and Contract Manager: ISMContracts.CPARequest@capetown.gov.za.
 - e) The Forward Cover quotation envisaged above shall have the CCT purchase order number and a Forward Cover Contract (FCC) Value Date that is directly based upon the required delivery date for the imported Goods or components necessary in order to meet the Contract Delivery Period. Future FCC Value Dates beyond the Contract Delivery Period shall not be acceptable.

12. On delivery of the goods to the City the Supplier shall submit the following documentation to the CCT via email: CPA.Request@capetown.gov.za and Contract Manager: ISMContracts.CPARrequest@capetown.gov.za.:
- a) The Bill of Lading/Waybill/Customs Invoice (clearly indicating the items as identified on the purchase order).
 - b) Calculations detailing the difference in the rate of exchange at the time of entry and the date of tender. These shall be submitted on a covering letter.
 - c) The invoice / credit note for the Rate of Exchange adjustment applicable to the specific order.
13. In exceptional circumstances, and subject to the Employer's explicit approval, Rate of Exchange variations on Goods or components that are imported in bulk in advance in fulfilment of the contract requirements or to create buffer stocks, but not specifically in response to specific purchase orders placed by the Employer in accordance with the contract, shall be based upon whichever of the following two methodologies is more advantageous to the Employer:
- a) Methodology 1: A spot quotation for the Forward Cover Contract rate for the imported portion of the Goods, based upon the FCC Value Date for the particular purchase order(s), as outlined in clause 11 above.
 - b) Methodology 2: The actual Rate of Exchange cost variations incurred in fulfilment of the purchase order(s), fully substantiated by detailed Bills of Lading and Customs Invoice applicable to the particular Goods delivered. The applicable Rate of Exchange shall be the rate as defined on the Customs Invoice for the imported Goods.
 - c) Determination of the more advantageous methodology shall be conducted and approved following delivery of the imported Goods or components to the Supplier but prior to delivery of the Goods to the Employer.
14. Approval of the process detailed in Clause 13 and sub-clauses above shall be on an order by order basis and application shall be submitted, with required supporting documents, immediately on receipt of the relevant purchase order(s).

<p align="center">F.1. (G) GOODS AND/OR COMPONENTS IMPORTED FROM OUTSIDE OF SOUTH AFRICA - MANUFACTURER/SUPPLIER PRICE/QUOTATION LIST</p>

1. Manufacturer's / Supplier's Pricelist / Quotation Based CPA – Imported Goods or Components:

- 1.1 Tenderers with imported Goods or Components may claim contract price adjustment based on the overseas SUPPLIER'S / MANUFACTURER'S PRICE LISTS/ QUOTATION from the supplier or manufacturer of the tendered items.
- 1.2 In such cases the Tenderer is required to submit with his tender a copy of the original overseas Supplier / Manufacturer Pricelist / Quotation upon which his tender prices are based. Such pricelist / Quotation is required to be on the Letterhead of the Supplier / Manufacture, is to be dated, referenced and signed, and is to provide clear reference to the tender number or unambiguously indicate the relevant component.
- 1.3 The Tenderer is required to clearly reference each item quoted to the respective Tender Item Number indicated in C.4 Price Schedule by completing Table F.1 (G).1 below.

Table F.1 (G).1: Price Schedule information for Imported Goods or Components - Manufacturers/Suppliers Price List(s)/Quotation

Manufacturer/ Supplier Name	Price List Information		
	Price List/Quotation Date.	Price List/Quotation Reference Number	Pricelist applicable to Items as per C.4 Price Schedule

- 1.4 During the contract period, the Tenderer (now Supplier) must submit the request for price adjustment based on increases in pricelists of manufacturers/suppliers prior to the effective date of the increase in the pricelist.
- 1.5 The effective date of any price adjustment granted will be the first day of the month following the month during which the fully substantiated application for contract price adjustment is submitted or, by agreement between the Tenderer/Supplier and the CCT, a subsequent date on which the price adjustment will become effective.
- 1.6 In instances where the Supplier's price adjustment claimed is less than entitled, the lesser price will be accepted.
- 1.7 Only the difference in source supplier / manufacturer pricelist (actual cost, not percentage) may be adjusted and under no circumstances may the Tenderer/Supplier increase their profit margin.
- 1.8 The Tenderer/Supplier shall, when submitting claims for contract price adjustment, submit all of the documentation indicated below a minimum of two weeks prior to the effective date of the contract price adjustment:
- Copies of price lists upon which original tender prices were based (refer to Clause 1.2, Table F.1 (G).1 above) clearly indicating the item(s) according to C.4 Price Schedule.
 - The new price list (*from the same Supplier / Manufacturer as originally tendered*) on the relevant manufacturer/suppliers letterhead (with pamphlets, brochures and e-mail communication) clearly indicating the item(s) according to C.4 Price Schedule.

- c) Submit detailed calculations indicating how the “new” price is calculated. The calculations must be submitted in Excel, together with a signed, “PDF” version of the Excel spreadsheet. The example below – Table F.1(G).2, is what is required.
- d) A covering letter on the Supplier’s letterhead requesting the CPA with the effective date of the claim.
- 1.9 The CCT will consider the request and either refer the request back for correction or additional information or approve the request.
- 1.10 The CCT will assess such pricelist based CPA claims and will only approve such claims that are confirmed to be reasonable and market related with reference to the source pricing information provided with the tender and with the CPA application
- 1.11 Approval of the CPA request including confirmation of the effective date, will be communicated to the Supplier in writing. The effective date will be as per clause 1.3 above.
- 1.12 The successful Tenderer/Supplier shall immediately upon notification of the commencement date of contract submit written application for approval of any adjusted unit prices for the Goods that may have been notified by the Supplier / Manufacturer of the Goods, together with the required supporting documentation. This application will be assessed in accordance with the process laid out above in order to determine approved contract prices at the commencement of the contract.
- 1.13 Failure to submit such application within two working weeks of commencement of contract shall result in the tendered unit prices being applied for initial orders placed following commencement of the contract.
- 1.14 In the event of a Supplier changing their Supplier / Manufacturer during the tenure of the contract, no request for price variations will be considered unless the Supplier has obtained prior approval from the City for the change of Supplier / Manufacturer. Such approval shall include technical approval by the Engineer of the goods supplied by the replacement Supplier / Manufacturer. Technical approval by the Engineer shall be a prerequisite for any change of Supplier / Manufacturer.

Table F.1(G).2 – Pro Forma Table for Adjustments in price for Imported Goods or Components - Manufacturers/Suppliers Price List(s)/Quotation

C.4 Price Schedule Item No.	Original Tender Price	Previous and New Price List Information					New Contract Price (Excl. VAT)
		Manufacturer/Supplier	Material no.	Price as per previous Manufacturer/Supplier Price List (Excl. Vat) Price List Date: _____	Price as per new Supplier/Manufacturer Price List (Excl. Vat) Price List Date: _____	Difference between the previous and new manufacturer Price list (C)-(B)	
	(A)			(B)	(C)	(D)	(A)+(D)

OR

2. **Supplier Price List Variations for Suppliers Supplying Goods Imported by Another Party**

- 2.1 The Tenderers (now Supplier) that are not the director importer of the manufactured goods/components, and intend to purchase the goods from another supplier who in turn is importing the goods, may apply for Supplier / Manufacturer Pricelist / Quotation based CPA imported by a another Party.
- 2.2 In such cases the Tenderer is required to submit with his tender a copy of the original Supplier / Manufacturer Pricelist / Quotation upon which his tender prices are based. Such pricelist / Quotation is required to be on the Letterhead of the Supplier / Manufacture, is to be dated, referenced and signed, and is to provide clear reference to the tender number, exchange rate on which the quote is based and is required to clearly reference each item quoted to the respective Tender Item Number indicated in C.4 Price Schedule.
- 2.3 The tenderer shall further confirm the Manufacturer / supplier, Quotation date, exchange rate at date of quote and reference number and applicable tender Items by completing Table F.1(G).3 below.

Table F.1 (G).3: Price Schedule information for Imported Goods or Components, imported by Another Party Manufacturers/Suppliers Price List(s)/Quotation

Manufacturer/ Supplier Name	Price List Information			Pricelist applicable to Items as per C.4 Price Schedule
	Price List/Quotation Date.	Price List/Quotation Reference Number	Exchange Rate on which quote is based	
			_____ 1 : Rand _____	
			_____ 1 : Rand _____	
			_____ 1 : Rand _____	
			_____ 1 : Rand _____	

- 2.4 During the contract period, the Tenderer (now Supplier) must submit the request for price adjustment based on increases in pricelists of manufacturers/suppliers within seven calendar days of the date of the purchase order date.
- 2.5 The price adjustment claim will be fully substantiated and the approval will be limited to the relevant Purchase Order.
- 2.6 In instances where the Supplier's price adjustment claimed is less than entitled, the lesser price will be accepted.
- 2.7 Only the difference in source supplier / manufacturer pricelist (actual cost, not percentage) may be adjusted and under no circumstances may the Tenderer/Supplier increase their profit margin.
- 2.8 The Tenderer/Supplier shall, when submitting claims for contract price adjustment, submit all of the documentation indicated below a minimum of seven (7) days from date of purchase order:
- Copies of price lists upon which original tender prices were based (refer to Clause 2.2, Table 2 above) clearly indicating the item(s) according to C.4 Price Schedule.
 - The new price list (*from the same Supplier / Manufacturer as originally tendered*) on the relevant manufacturer/suppliers letterhead (with pamphlets, brochures and e-mail communication) clearly indicating the item(s) according to C.4 Price Schedule.
 - Submit detailed calculations indicating how the "new" price is calculated.
 - A covering letter on the Supplier's letterhead requesting the CPA with the effective date of the claim.

- 2.9 The CCT will consider the request and either refer the request back for correction or additional information or approve the request.
- 2.10 The CCT will assess such pricelist based CPA claims and will only approve such claims that are confirmed to be reasonable and market related with reference to the source pricing information provided with the tender and with the CPA application
- 2.11 Approval of the CPA request for the relevant Purchase Order (refer to clause 2.5 above), will be communicated to the Supplier in writing.

<p>F.1. (H) GOODS AND/OR COMPONENTS IMPORTED FROM OUTSIDE OF SOUTH AFRICA - BASED ON FOREIGN INDICES</p>

1. Adjustment for variation in labour and material Costs based on Indices in the country of manufacture.
- 1.1 If the prices for imported Goods and/or components are not fixed, the Supplier shall in their Tender specify the formula for calculating Contract Price Adjustments normally used in the country of manufacture and the indices and relative proportions of labour and material on which his Tender prices are based. The imported goods and or components shall be adjusted annually in accordance with clause 18.2 below.
- 1.2 The FOB adjustment in this CPA must be read with the values stipulated in the F.1 (F) (Column A) Schedule for Rate of Exchange.

2. Formula(e) for FOB price adjustment on goods and/or components ex-import:

Cost of goods and or components manufactured outside of South Africa and any foreign installation labour (FOB values in Table 2 titled “**Price Basis for Imported Resources**” (column (A))) will be fixed and firm except for variations in the rate of exchange and statutory obligations unless the following information is provided:

$$P = Po(0,1 + 0,9N/No)$$

Where

P = Adjusted Price

Po = Original Price

10% - Fixed

And:

No

Foreign Published Index (similar to SEIFSA CPI/PPI) in country of

Origin:

N

DETAIL: _____

3. The FOB values in Table 2 titled “**Price Basis for Imported Resources**” (column (A)), shall remain fixed and firm for the first 12 calendar months from date of Commencement Date of Contract and Suppliers are not permitted to requests CPA during this period.
4. The FOB values will thereafter be subject to adjustment annually based on the average percentage of 12 months as published in the Foreign Published Index as follows:
 - 4.1 From the start of the 13th month to the end of the 24th month calculated as follows:
 - a) The base month for the price adjustment being three (3) calendar months prior to Commencement Date of Contract; and
 - b) The end month shall be three (3) calendar months prior to the 12th month.
 - 4.2 From the start of the 25th month to end of the 36th month calculated as follows:
 - a) The base month for the price adjustment shall be three (3) calendar months prior to the 13th month; and
 - b) The end month shall be three (3) calendar months prior to 24th month.

The average percentage increase in the published index will be calculated using the base month to the end month (both included) divided by the number of months. (12 months totalled/12 to achieve the average for the Foreign Published Index)

Schedule F.2: Certificate of Authority for Partnerships/ Joint Ventures/ Consortiums

This schedule is to be completed if the tender is submitted by a partnership/joint venture/ consortium.

1. We, the undersigned, are submitting this tender offer as a partnership/ joint venture/ consortium and hereby authorize Mr/Ms _____, of the authorised entity _____, acting in the capacity of Lead Partner, to sign all documents in connection with the tender offer and any contract resulting from it on the partnership/joint venture/ consortium's behalf.
2. By signing this schedule the partners to the partnership/joint venture/ consortium:
 - 2.1 warrant that the tender submitted is in accordance with the main business and objectives of the partnership/joint venture/ consortium;
 - 2.2 agree that the CCT shall make all payments in terms of this Contract into the following bank account of the Lead Partner:
 Account Holder: _____
 Financial Institution: _____
 Branch Code: _____
 Account No.: _____
 - 2.3 agree that in the event that there is a change in the partnership/ joint venture/ consortium and/or should a dispute arise between the partnership/joint venture/ consortium partners, that the CCT shall continue to make any/all payments due and payable in terms of the Contract into the aforesaid bank account until such time as the CCT is presented with a Court Order or an original agreement (signed by each and every partner of the partnership/joint venture/ consortium) notifying the CCT of the details of the new bank account into which it is required to make payment.
 - 2.4 agree that they shall be jointly and severally liable to the CCT for the due and proper fulfilment by the successful tenderer/supplier of its obligations in terms of the Contract as well as any damages suffered by the CCT as a result of breach by the successful tenderer/supplier. The partnership/joint venture/ consortium partners hereby renounce the benefits of excussion and division.

SIGNED BY THE PARTNERS OF THE PARTNERSHIP/ JOINT VENTURE/ CONSORTIUM		
NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....

Note: A copy of the Joint Venture Agreement shall be appended to *List of Other Documents Attached by Tenderer Schedule*.

Schedule F.3: Declaration for Procurement above R10 million

If the value of the transaction is expected to exceed R10 million (VAT included) the tenderer shall complete the following questionnaire, attach the necessary documents and sign this schedule:

1. Are you by law required to prepare annual financial statements for auditing? **(Please mark with X)**

YES		NO	
-----	--	----	--

If YES, submit audited annual financial statements:

- (i) For the past three years, or
- (ii) Since the date of establishment of the tenderer (if established during the past three years)

By attaching such audited financial statements to **List of Other Documents Attached by Tenderer Schedule**.

2. Do you have any outstanding undisputed commitments for municipal services towards the CCT or other municipality in respect of which payment is overdue for more than 30 (thirty) days? **(Please mark with X)**

YES		NO	
-----	--	----	--

- 2.1 If NO, this serves to certify that the tenderer has no undisputed commitments for municipal services towards any municipality for more than three (3) (three) months in respect of which payment is overdue for more than 30 (thirty) days.

- 2.2 If YES, provide particulars:

3. Has any contract been awarded to you by an organ of state during the past five (5) years? **(Please mark with X)**

YES		NO	
-----	--	----	--

If YES, insert particulars in the table below including particulars of any material non-compliance or dispute concerning the execution of such contract. Alternatively attach the particulars to **List of Other Documents Attached by Tenderer** schedule in the same format as the table below:

Organ of State	Contract Description	Contract Period	Non-compliance/dispute (if any)

4. Will any portion of the goods or services be sourced from outside the Republic, and if so, what portion and whether any portion of payment from the CCT is expected to be transferred out of the Republic? **(Please mark with X)**

YES		NO	
-----	--	----	--

If YES, furnish particulars below

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the CCT of any other remedies available to it.

 Signature
 Print name:
 On behalf of the tenderer (duly authorised)

 Date

Schedule F.4: Preference Points Claim Form In Terms Of the Preferential Procurement Regulations 2022

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
- 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**
The applicable preference point system for this tender is the 90/10 preference point system.
- 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	90
SPECIFIC GOALS	10
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

The following definitions shall apply to this schedule:

- (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

POINTS AWARDED FOR PRICE

THE 90/10 PREFERENCE POINT SYSTEMS

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

90/10

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

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	To be Completed by the Tenderer	
	Number of points Allocated (90/10 system)	Number of points claimed (90/10 system)
Gender	3	
Race	3	
Disability	1	
Promotion of Micro and Small Enterprises	3	
Total	10	

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 4.1 and 4.2, the Supplier 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 Supplier, 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.

<i>Signature of Tenderer</i>	<i>Date</i>	<i>Name and Surname</i>	<i>Address</i>

For official use.		
SIGNATURE OF CCT OFFICIALS AT TENDER OPENING		
1.	2.	3.

Schedule F.5: Declaration of Interest – State Employees (MBD 4 amended)

1. No bid will be accepted from:
 - 1.1 persons in the service of the state¹, or
 - 1.2 if the person is not a natural person, of which any director, manager or principal shareholder or stakeholder is in the service of the state, or
 - 1.3 from persons, or entities of which any director, manager or principal shareholder or stakeholder, has been in the service of the City of Cape Town (CCT) during the previous twelve (12) months, or
 - 1.4 from an entity who has employed a former CCT employee who was at a level of T14 or higher at the time of leaving the CCT's employ and involved in any of the CCT's bid committees for the bid submitted, if:
 - 1.4.1 the CCT employee left the CCT's employment voluntarily, during the previous twelve (12) months;
 - 1.5 a person who was a CCT employee, or an entity that employs a CCT employee, if
 - 1.5.1 the CCT employee left the CCT's employment whilst under investigation for alleged misconduct, or
 - 1.5.2 was facing disciplinary action or potential disciplinary action by the CCT, or
 - 1.5.3 was involved in a dispute against the CCT during the previous thirty six (36) months.

2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the tenderer or their authorised representative declare their position in relation to the evaluating/adjudicating authority.

3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.
 - 3.1 Full Name of tenderer or his or her representative: _____
 - 3.2 Identity Number: _____
 - 3.3 Position occupied in the Company (director, trustee, shareholder²): _____
 - 3.4 Company or Close Corporation Registration Number: _____
 - 3.5 Tax Reference Number: _____
 - 3.6 VAT Registration Number: _____
 - 3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.
 - 3.8 Are you presently in the service of the state? **YES / NO**
 - 3.8.1 If yes, furnish particulars: _____
 - 3.9 Have you been in the service of the state for the past twelve months? **YES / NO**
 - 3.9.1 If yes, furnish particulars: _____
 - 3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**
 - 3.10.1 If yes, furnish particulars: _____
 - 3.11 Are you, aware of any relationship (family, friend, other) between any other tenderer and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? **YES / NO**
 - 3.11.1 If yes, furnish particulars: _____
 - 3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**
 - 3.12.1 If yes, furnish particulars: _____

- 3.13 Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**
3.13.1 If yes, furnish particulars: _____
- 3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract? **YES / NO**
3.14.1 If yes, furnish particulars: _____
- 3.15 Have you, or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company been in the service of the CCT in the past twelve months? **YES / NO**
3.15.1 If yes, furnish particulars: _____
- 3.16 Do you have any employees who was in the service of the CCT at a level of T14 or higher at the time they left the employ of the CCT, and who was involved in any of the CCT's bid committees for this bid? **YES / NO**
3.16.1 If yes, furnish particulars: _____

4. Full details of directors / trustees / members / shareholders

Full Name	Identity Number	State Employee Number

If the above table does not sufficient to provide the details of all directors / trustees / shareholders, please append full details to the tender submission.

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the CCT of any other remedies available to it.

Signature

Print name:

Date

On behalf of the tenderer (duly authorised)

'MSCM Regulations: "in the service of the state" means to be –

(a) a member of –

- (i) any municipal council;**
- (ii) any provincial legislature; or**
- (iii) the national Assembly or the national Council of provinces;**

(b) a member of the board of directors of any municipal entity;

(c) an official of any municipality or municipal entity;

(d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);

(e) an executive member of the accounting authority of any national or provincial public entity; or

(f) an employee of Parliament or a provincial legislature.

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

Schedule F.6: Conflict of Interest Declaration

1. The tenderer shall declare whether it has any conflict of interest in the transaction for which the tender is submitted. **(Please mark with X)**

YES		NO	
-----	--	----	--

1.1 If yes, the tenderer is required to set out the particulars in the table below:

2. The tenderer shall declare whether it has directly or through a representative or intermediary promised, offered or granted:

2.1 Any inducement or reward to the CCT for or in connection with the award of this contract; or

2.2 Any reward, gift, favour or hospitality to any official or any other role player involved in the implementation of the supply chain management policy. **(Please mark with X)**

YES		NO	
-----	--	----	--

If yes, the tenderer is required to set out the particulars in the table below:

Should the tenderer be aware of any corrupt or fraudulent transactions relating to the procurement process of the CCT, please contact the following:

The CCT's anti-corruption hotline at 0800 32 31 30 (toll free)

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the CCT of any other remedies available to it.

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule F.7: Declaration of Tenderer's Past Supply Chain Management Practices (MBD 8)

Where the entity tendering is a partnership/joint venture/consortium, each party to the partnership/joint venture/consortium must sign a declaration in terms of the Municipal Finance Management Act, Act 56 of 2003, and attach it to this schedule.

- 1 The tender offer of any tenderer may be rejected if that tenderer or any of its directors/members have:
 - a) abused the municipality's / municipal entity's supply chain management system or committed any fraudulent conduct in relation to such system;
 - b) been convicted for fraud or corruption during the past five years;
 - c) willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d) been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004) or Database of Restricted Suppliers.

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

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

Item	Question	Yes	No
2.4	Does the tenderer or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.4.1	If so, furnish particulars:		
2.5	Was any contract between the tenderer and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.5.1	If so, furnish particulars:		

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract,, restriction of the tenderer or the exercise by the CCT of any other remedies available to it.

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule F.8: Authorisation for the Deduction of Outstanding Amounts Owed to the CCT

To: THE CITY MANAGER, City of Cape Town

From: _____
(Name of tenderer)

RE: AUTHORISATION FOR THE DEDUCTION OF OUTSTANDING AMOUNTS OWED TO THE CCT

The tenderer:

- a) hereby acknowledges that according to SCM Regulation 38(1)(d)(i) the City Manager may reject the tender of the tenderer if any municipal rates and taxes or municipal service charges owed by the tenderer (or any of its directors/members/partners) to the CCT, or to any other municipality or municipal entity, are in arrears for more than 3 (three) months; and
- b) therefore hereby agrees and authorises the CCT to deduct the full amount outstanding by the Tenderer or any of its directors/members/partners from any payment due to the tenderer; and
- c) confirms the information as set out in the tables below for the purpose of giving effect to b) above;

Physical Business address(es) of the tenderer	Municipal Account number(s)	Inside the CCT municipal boundary (Yes/No)

If there is not enough space for all the names, please attach the information to **List of other documents attached by tenderer** schedule in the same format:

Name of Director / Member / Partner	Identity Number	Physical residential address of Director / Member / Partner	Municipal Account number(s)	Inside the CCT municipal boundary (Yes/No)

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the CCT of any other remedies available to it.

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule F.9: Certificate of Independent Tender Determination

I, the undersigned, in submitting this tender number **254G/2024/25** and tender description: **The supply and delivery of water distribution materials** in response to the tender invitation made by THE CCT, do hereby make the following statements, which I certify to be true and complete in every respect:

I certify, on behalf of: _____ (Name of tenderer) that:

1. I have read and I understand the contents of this Certificate;
2. I understand that this tender will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorised by the tenderer to sign this Certificate, and to submit this tender, on behalf of the tenderer;
4. Each person whose signature appears on this tender has been authorised by the tenderer to determine the terms of, and to sign, the tender on behalf of the tenderer;
5. For the purposes of this Certificate and this tender, I understand that the word 'competitor' shall include any individual or organisation other than the tenderer, whether or not affiliated with the tenderer, who:
 - (a) has been requested to submit a tender in response to this tender invitation;
 - (b) could potentially submit a tender in response to this tender invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the tenderer and/or is in the same line of business as the tenderer.
6. The tenderer has arrived at this tender independently from and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium¹ will not be construed as collusive price quoting.
7. In particular, without limiting the generality of paragraphs 5 and 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation);
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit a tender;
 - (e) the submission of a tender which does not meet the specifications and conditions of the tender; or
 - (f) tendering with the intention not to win the contract.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this tender invitation relates.
9. The terms of this tender have not been and will not be disclosed by the tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to tenders and contracts, tenders 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, Act 89 of 1998, and/o/r may be reported to the National Prosecuting Authority (NPA) for criminal investigation, and/or may be restricted from conducting business with the public sector for a period not exceeding 10 (ten) years in terms of the Prevention and Combating of Corrupt Activities Act, Act 12 of 2004, or any other applicable legislation.

Signature

Print name:

On behalf of the tenderer (duly authorised)

Date

(¹ Consortium: Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.)

Schedule F.10: Proposed Deviations And Qualifications By Tenderer

The Tenderer should record any **proposed** deviations or qualifications they may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such proposed deviations and qualifications in a covering letter attached to his tender and reference such letter in this schedule. Any proposed deviations or qualifications contained in a covering letter which is not referenced in this schedule will not be considered.

The Tenderer's attention is drawn to clause 2.3.7.2 of the Standard Conditions of Tender referenced in the Tender Data regarding the CCT's handling of material deviations and qualifications.

If no deviations or qualifications are proposed, the schedule hereunder is to be marked NIL and signed by the Tenderer.

PAGE	CLAUSE OR ITEM	PROPOSED DEVIATION OR QUALIFICATION

List relevant documentation attached in Schedule F.10 below.

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule F.11: List of Other Documents Attached By Tenderer

The tenderer has attached to this schedule, the following additional documentation:

	Date of Document	Title of Document or Description (refer to clauses / schedules of this tender document where applicable)
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		

Attach additional pages if more space is required.

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule F.12: Record of Addenda to Tender Documents

We confirm that the following communications received from the CCT before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule F.13: Information to Be Provided With the Tender

The following information shall be provided with the Tender:

1. Documents supporting preference points claim (refer Schedule F.4)
2. Evidence of technical compliance (**refer clause 2.2.1.1.4 – Mandatory requirements and Schedule F.15**).
3. **Schedule F.13A** – Company Experience to be completed and the appropriate performance letter (as per schedule F.13B) be reference to ensure functionality points be awarded correctly.
4. **Schedule F.13B** – The Contract/Supplier Performance Letter must be sent by the bidder to the client listed in the Experience schedule (refer to Schedule F.13A). **All assessment forms (performance letters – schedule F.13B) must be attached with the tender submission.** In order for the Performance Letter to be an acceptable letter, the following conditions have to be adhered to:
 - 4.1 The Performance Letter (Schedule F.13B) **assessment must be completed by the Client.**
 - 4.2 All section in the Performance Letters marked with an asterix (*) are important information and are required to be inserted.
 - 4.3 The **performance letter must be signed by the client with contactable information of the client to be inserted** in order to be accepted.
 - 4.4 Should the Performance Letter (Schedule F.13B) not be signed or not include contactable information of the client (in order to verify the information), the letter (schedule F.13B) will be not accepted by the BEC and will be excluded from the functionality.
 - 4.5 All Performance Letters must be attached with the tender submission.
 - 4.6 Only Performance Letters for supply and delivery of water distribution & plumbing materials will be accepted for functionality.

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule F.13A: Company Experience

Company's experience in the - **THE SUPPLY AND DELIVERY OF WATER DISTRIBUTION & PLUMBING MATERIALS**

#	Client	Description of Contract	Value (R)	Performance Letter Reference
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

SIGNED ON BEHALF OF TENDERER:

Schedule F.13B: Contract/Supplier Performance Letter

ASSESSMENT OF BIDDER'S PERFORMANCE BY CLIENT

(This must be sent by the bidder to the client listed in Schedule F.13A for completion. This Schedule must be completed by the Client and all sections marked with an asterisk are important. Contactable information to be provided as validation checks will be done.)

Name of Bidder/ Tenderer evaluated					
Schedule F.13A Reference (To be completed by tenderer)					
CLIENT DETAILS					
Client name & surname *					
Office Postal address *					
Contact number (office) *					
Cell phone number *					
Email address *					
CONTRACT/ACCOUNT DETAILS					
Contract Number *					
Contract Description *					
Contract start date					
Contract expiry date					
Contract Spend to date *	R				
PERFORMANCE ASSESSMENT * (to be completed by client)					
Assessment of the Contractor's performance in the following areas: Please tick one of the blocks on the right-hand side: 1=Poor; 5=Excellent	1	2	3	4	5
Turn-around times					
Quality of Product					
Accessibility and Availability					
Reliability					
Customer Satisfaction					
1=Poor; 2=Unsatisfactory; 3=Average; 4=Good; 5=Excellent					
COMMENTS					
NAME & SURNAME OF SIGNATURE (Client) *:					
SIGNATURE OF THE RESPONSIBLE OFFICIAL (Client) *:					

AUTHORISED SIGNATURE OF TENDERER:

Schedule F.14: Appeal Application

annexure 'B'

OFFICIAL RECEIPT
(Valid only if printed
by official cash
receiving machine)

IRISITI ESESIKWENI
(Isemthethweni kuphela
xa ishicilelwe
ngumatshini wokukhupa
irisiti osesikweni.)

AMPTELIKE KWITANSIE
(Geldig alleenlik indien deur
amptelike kontantvangs
masjien gedruk.)

**GL DATA CAPTURE RECEIPT
(CASHIERTO RETAIN A COPY)**

RECEIPT NO: _____

DATE: _____

SAP GL:

8	1	0	1	0	0
---	---	---	---	---	---

PROFIT CENTRE:

1	3	0	5	0	0	0	1
---	---	---	---	---	---	---	---

NAME/COMPANY NAME:

AMOUNT:

							R	3	0	0	-	0	0
--	--	--	--	--	--	--	---	---	---	---	---	---	---

SERVICE DEPARTMENT DETAILS-

DEPARTMENT: LEGAL SERVICES: APPEALS UNIT

CONTACT PERSON: CHARLENE CEBEKHULU / MELANIE CLOETE

PHONE NO: 021 400 2503 / 021 400 3788

OFFICIAL RECEIPT
(Valid only if printed
by official cash
receiving machine)

IRISITI ESESIKWENI
(Isemthethweni kuphela
xa ishicilelwe
ngumatshini wokukhupa
irisiti osesikweni.)

AMPTELIKE KWITANSIE
(Geldig alleenlik indien deur
amptelike kontantvangs
masjien gedruk.)

**GL DATA CAPTURE RECEIPT
(CASHIERTO RETAIN A COPY)**

RECEIPT NO: _____

DATE: _____

SAP GL:

8	1	0	1	0	0
---	---	---	---	---	---

PROFIT CENTRE:

1	3	0	5	0	0	0	1
---	---	---	---	---	---	---	---

NAME/COMPANY NAME:

AMOUNT:

							R	3	0	0	-	0	0
--	--	--	--	--	--	--	---	---	---	---	---	---	---

SERVICE DEPARTMENT DETAILS-

DEPARTMENT: LEGAL SERVICES: APPEALS UNIT

CONTACT PERSON: CHARLENE CEBEKHULU / MELANIE CLOETE

PHONE NO: 021 400 2503 / 021 400 3788

CIVIC CENTRE IZIKO LOLUNTU BURGERSENTRUM
12 HERTZOG BOULEVARD CAPE TOWN 8001 P.O BOX 298 CAPE TOWN 8000
www.capetown.gov.za

Making progress possible. Together.

Schedule 15: Manufacturer/s Information to be provided with the tender

Item No.	Material Number	Material Description	Manufacturer's Accreditation (mark Yes or No where applicable) Marking Yes warrants that the information provided below is true, correct and verifiable.			
			Certificate Required SABS / JSAWIC / SANAS	Product Certified by a recognised certification body (Yes/No)	The Product complies with the specified SANS, ISO, JASWIC, AWWA and BRITISH Standards (Yes/No)	Certificate Number
148	New code	COUPLING - TYPE: Electrofusion; MATERIAL: HDPE; SIZE: 90mm; SPECIFIC USE: Connect 90mm HDPE to one another via electrofusion welding; SPECIFICATIONS: Class 16 (SDR11) PE100, Must be barcoded with all relevant information listed such as welding time and cooling down time; STANDARDS: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136	YES			
149	200025684	COUPLING - TYPE: Electrofusion; MATERIAL: HDPE; SIZE: 110mm; SPECIFIC USE: Connect 110mm HDPE to one another via electrofusion welding; SPECIFICATIONS: Class 16 (SDR11) PE100, Must be barcoded with all relevant information listed such as welding time and cooling down time; STANDARDS: SANS 4427, ISO 4427, EN 1555, EN 12201, NF 136	YES			
150	200025685	COUPLING - TYPE: Electrofusion; MATERIAL: HDPE; SIZE: 160mm; SPECIFIC USE: Connect 110mm HDPE to one another via electrofusion welding; SPECIFICATIONS: Class 16 (SDR11) PE100, Must be barcoded with all relevant information listed such as welding time and cooling down time; STANDARDS: SANS 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14.	YES			
151	200025686	COUPLING - TYPE: Electrofusion; MATERIAL: HDPE; SIZE: 200mm; SPECIFIC USE: Connect 110mm HDPE to one another via electrofusion welding; SPECIFICATIONS: Class 16 (SDR11) PE100, Must be barcoded with all relevant information listed such as welding time and cooling down time; STANDARDS: SANS 4427, EN 1555, EN 12201, NF 136, ISO 4437 & WIS 4-32-14.	YES			
152	200010252	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 100mm; RANGE: 108mm - 128mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers; STANDARDS: SANS 52842 and/or JASWIC Approved.	YES			
153	200021855	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 110mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drilled with integral socket and rubber seal, 3 layers of epoxy coating minimum 125 micron per coat; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	YES			
154	200010243	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 150mm; RANGE: 159mm - 182mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers; STANDARDS: SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
155	New code	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 160mm; RANGE: 150mm - 170mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat, Stainless steel nuts, bolts & washers; STANDARDS: SANS 52842 and/or JASWIC Approved.	YES			

Item No.	Material Number	Material Description	Manufacturer's Accreditation (mark Yes or No where applicable) Marking Yes warrants that the information provided below is true, correct and verifiable.			
			Certificate Required SABS / JSAWIC / SANAS	Product Certified by a recognised certification body (Yes/No)	The Product complies with the specified SANS, ISO, JASWIC, AWWA and BRITISH Standards (Yes/No)	Certificate Number
156	200021856	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 160mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drilled with integral socket and rubber seal,3 layers of epoxy coating minimum 125 micron per coat.; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	YES			
157	200010240	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 250mm; RANGE: 235mm - 252mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat, Stainless steel nuts, bolts & washers; STANDARDS: SANS 52842 and/or JASWIC Approved.	YES			
158	200010274	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 300mm; RANGE: 315mm - 332mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat, Stainless steel nuts, bolts & washers; STANDARDS: SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
159	200010239	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 400mm; RANGE: 391mm - 407mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers; STANDARDS: SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
160	200025682	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 50mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drilled with integral socket and rubber seal,3 layers of epoxy coating minimum 125 micron per coat; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	YES			
161	200025681	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 75mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drilled with integral socket and rubber seal,3 layers of epoxy coating minimum 125 micron per coat; STANDARDS: SABS Certified, SANS 52842 and bearing the SABS mark scheme where applicable.	YES			
162	200025667	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile Iron; NOMINAL SIZE: 80mm; RANGE: 88mm - 103mm; END CONNECTION: Mechanical; DRILLING: Multi drilled; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat, Stainless steel nuts, bolts & washers; STANDARDS: SANS 52842 and/or JASWIC Approved.	YES			
163	200025689	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile; NOMINAL SIZE: 200mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 12 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drill with integral socket and rubber seal.,mild steel needs to be hot dipped galvanized; STANDARDS: SABS Certified, SANS 1808-02 and bearing the SABS mark scheme where applicable, SANS121 and/or ISO1461.	YES			

Item No.	Material Number	Material Description	Manufacturer's Accreditation (mark Yes or No where applicable)			
			Marking Yes warrants that the information provided below is true, correct and verifiable.			
			Certificate Required SABS / JSAWIC / SANAS	Product Certified by a recognised certification body (Yes/No)	The Product complies with the specified SANS, ISO, JASWIC, AWWA and BRITISH Standards (Yes/No)	Certificate Number
164	200025690	COUPLING - TYPE: Flange Adaptor; MATERIAL: Ductile; NOMINAL SIZE: 250mm; END CONNECTION: Socketed; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFIC USE: Socket for uPVC Pipe; SPECIFICATIONS: Multi drill with integral socket and rubber seal, mild steel needs to be hot dipped galvanized; STANDARDS: SABS Certified, SANS 1808-02 and bearing the SABS mark scheme where applicable, SANS121 and/or ISO1461.	YES			
172	200025641	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE: 235mm-252mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
173	200025642	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE: 250mm-267mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
174	200025643	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE: 260mm-274mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
175	200025644	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE: 271mm-289mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
176	200025645	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE: 286mm-304mm; MINIMUM BARREL LENGTH: 200MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
177	200025646	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE: 302mm-318mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			

Item No.	Material Number	Material Description	Manufacturer's Accreditation (mark Yes or No where applicable) Marking Yes warrants that the information provided below is true, correct and verifiable.			
			Certificate Required SABS / JSAWIC / SANAS	Product Certified by a recognised certification body (Yes/No)	The Product complies with the specified SANS, ISO, JASWIC, AWWA and BRITISH Standards (Yes/No)	Certificate Number
178	200025647	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:315mm-332mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
179	200025648	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:334mm-350mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
180	200025649	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:344mm-360mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
181	200025650	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:356mm-372mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
182	200025651	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:374mm-391mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
183	200025652	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:391mm-407mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			
184	200025653	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:401mm-417mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved.	YES			

Item No.	Material Number	Material Description	Manufacturer's Accreditation (mark Yes or No where applicable) Marking Yes warrants that the information provided below is true, correct and verifiable.			
			Certificate Required SABS / JSAWIC / SANAS	Product Certified by a recognised certification body (Yes/No)	The Product complies with the specified SANS, ISO, JASWIC, AWWA and BRITISH Standards (Yes/No)	Certificate Number
185	200025654	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:417mm-437mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
186	200025655	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:430mm-446mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
188	200025656	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:440mm-460mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
189	200025657	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:458mm-474mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
190	200025658	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:477mm-493mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
191	200025659	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:494mm-510mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
192	200025660	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:509mm-523mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			

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			Certificate Required SABS / JSAWIC / SANAS	Product Certified by a recognised certification body (Yes/No)	The Product complies with the specified SANS, ISO, JASWIC, AWWA and BRITISH Standards (Yes/No)	Certificate Number
193	200025661	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:518mm-534mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
194	200025662	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:526mm-546mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
195	200025663	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:556mm-572mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
196	200025664	COUPLING - TYPE: Long-Barrel Ranger; END CONNECTION: Mechanical; MATERIAL: Ductile Iron; NOMINAL SIZE:577mm-593mm; MINIMUM BARREL LENGTH: 300MM COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified,SANS:1808-2 and/or SANS 52842 and/or JASWIC approved	YES			
197	200001193	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 109mm - 128mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
198	New code	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 150mm - 170mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified and/or JASWIC Approved, SANS 1808-2 and/or SANS 52842	YES			
199	200010231	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 159mm - 182mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
200	200017614	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 180mm - 194mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts	YES			

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		& washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.				
201	200017615	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 192mm - 209mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
202	200025668	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 205mm - 222mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
203	200010225	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 218mm - 235mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
204	200010232	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 235mm - 252mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
205	New code	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 250mm - 267mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified and/or JASWIC Approved, SANS 1808-2 and/or SANS 52842	YES			
206	200025669	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 260mm - 274mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
207	200012492	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 272mm - 289mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			

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208	200025670	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 289mm - 304mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
209	200025671	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 302mm - 318mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
210	200025672	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 315mm - 332mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
211	200016351	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 334mm - 350mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
212	200025673	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 344mm - 360mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
213	200025674	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 356mm - 372mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
214	200025675	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 374mm - 391mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
215	200018101	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 391mm - 407mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts	YES			

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		& washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.				
216	200025676	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 401mm - 417mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
217	200025677	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 417mm - 437mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
218	200025678	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 430mm - 446mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
219	200018102	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 444mm - 460mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
220	200025679	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 458mm - 474mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
221	200018103	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 477mm - 493mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
222	200025680	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 494mm - 510mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			

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223	200018104	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 509mm - 523mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
224	200001192	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 59mm - 72mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
225	47208000486019	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 72mm - 85mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
226	200010127	COUPLING - TYPE: Ranger; MATERIAL: Ductile Iron; NOMINAL SIZE: 88mm - 103mm; END CONNECTION: Mechanical; COATING: Internal and external should be fusion bonded epoxy; PN RATING: 16 bar; SPECIFICATIONS: 3 layers of epoxy coating minimum 125 micron per coat. Stainless steel nuts, bolts & washers, EPDM Rubber; STANDARDS: SABS Certified, SANS 1808-2 and/or SANS 52842 and/or JASWIC Approved.	YES			
243	200021179	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 100mm; LENGTH: 250mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; COATING: Fusion Bond Epoxy; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element, sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS 1808-58.	YES			
244	200021180	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 150mm; LENGTH: 300mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element, sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS 1808-58.	YES			
245	200016236	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 200mm; LENGTH: 350mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element, sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless Steel Bolts, Multi Drilled Table D and Table 16; STANDARDS: SABS Certified, SANS 1808-58 and bearing the SABS mark scheme where applicable.	YES			

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246	200021415	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 250mm; LENGTH: 400mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS1808-58.	YES			
247	200016237	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 250mm; LENGTH: 450mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: to protect water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless Steel Bolts, Multi Drilled Table D and Table 16; STANDARDS: SABS Certified, SANS 1808-58 and bearing the SABS mark scheme where applicable.	YES			
248	200016238	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 300mm; LENGTH: 500mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; COATING: Fusion Bond Epoxy; SPECIFIC USE: to protect water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless Steel Bolts, Multi Drilled Table D and Table 16; STANDARDS: SABS Certified, SANS 1808-58 and bearing the SABS mark scheme where applicable.	YES			
249	200021176	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 40mm; LENGTH: 300mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: to protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless Steel Bolts, Multi Drilled Table D and Table 16; STANDARDS: SABS Certified, SANS 1808-58 and bearing the SABS mark scheme where applicable.	YES			
250	200021401	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 50mm; LENGTH: 200mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element, ,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS1808-58.	YES			
251	200021178	IN LINE STRAINER - TYPE: Flanged; MATERIAL: Cast Iron; BORE: 80mm; LENGTH: 200mm; PN RATING: 16; DIMENSION TOLERANCE: +10% on the length of the strainer; SPECIFIC USE: To protect the water meter from foreign objects; SPECIFICATIONS: Includes Stainless Steel Sieve Element, ,sieve should be removable from the top for cleaning without disturbing the flange joint and Stainless steel Bolts, Flange Multi Drilled Table D and Table 16; STANDARDS: SANS1808-58.	YES			
256	ST7501358	JUMPER COMPLETE - TYPE: Fire Hydrant; MATERIAL: Brass with rubber; SIZE: 83mm; STANDARD: SANS/ISO 6509.	YES			
260	200020902	PACKING - TYPE: Gland; MATERIAL: Lubricated PTFE; DIMENSION: 8mm x 8m; SPECIFIC USE: Repair glands of valves; SPECIFICATIONS: Dispersion Impregnated Plated or Braided, ,Pure PTFE Packing with Lubricant , from pure PTFE yarn with a break-in lubricant; STANDARDS: British Standard 4371 1991.	YES			

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261	47108000254207	PIPE - TYPE: Approach & Tail Double Flange; SIZE: 100mm; MATERIAL: Mild Steel Cement Lined; SPECIFICATIONS: 150mm Internal Finished Bore; DWG NO: W4-M-001 2500mm, Approach Pipe with 1250mm Tail Pipe, Cement lining internal and externally. Cement lining to be 6.35mm thick; STANDARDS: AWWA C205 with SANS 62.	YES			
262	47108000254193	PIPE - TYPE: Approach and Tail Set; SIZE: 100mm; MATERIAL: Mild Steel Cement Lined and Sheathed; SPECIFICATIONS: 1000mm Approach Pipe with 500mm Tail Pipe. One side Table D and one side Table 16.; LENGTH: 1 x 500mm 1 x 1000mm, COATING, internal and externally cement lining to be 6.35mm thick; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable,AWWA C205 with SANS 62.	YES			
263	47108000254223	PIPE - TYPE: Approach and Tail Set; SIZE: 150mm; MATERIAL: Mild Steel Cement Lined and Sheathed; SPECIFICATIONS: 1000mm Approach Pipe with 500mm Tail Pipe. One side Table D and one side Table 16.; LENGTH: 1 x 1500mm 1 x 750mm; COATING: internal and externally cement lining to be 6.35mm thick; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable, AWWA C205 with SANS 62.	YES			
264	47108000254231	PIPE - TYPE: Approach and Tail Set; SIZE: 80mm; MATERIAL: Mild Steel Cement Lined and Sheathed; SPECIFICATIONS: 1000mm Approach Pipe with 500mm Tail Pipe. Cement lining internal and externally. One side Table D and one side Table 16.; LENGTH: 1 x 800mm 1 x 400mm; COATING: internal and externally cement lining to be 6.35mm thick; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable,AWWA C205 with SANS 62.	YES			
265	200017436	PIPE - TYPE: Cement lined; MATERIAL: Reinforced steel; LENGTH: 6m; DIAMETER: 546,1mm OD, 535mm ID; SPECIFIC USE: Bulk Water Conduit; SPECIFICATIONS: Cement lining to 8mm; STANDARDS: SABS approved and bearing the mark, in accordance with reference standard AWWA C205.	YES			
266	200021857	PIPE - TYPE: Cement Lined; MATERIAL: Thick Mild Steel; COLOUR: Red Oxide; SIZE: 407x4.5x8mm; LENGTH: 6m; PRESSURE RATING: Grade B 4000 KPA certificates to be supplied when delivered; DIAMETER: NB 400mm OD 406mm; SPECIFIC USE: Bulk Water Conduit; SPECIFICATIONS: WALL 4.5. Mass 44.56. Cement lining to be 8mm; STANDARDS: SABS/SANS approved and bearing the mark in accordance with reference standard AWWA C205.	YES			
267	200021891	PIPE - TYPE: Cement Lined; MATERIAL: Thick Mild Steel; SIZE: 407x4.5x8mm; LENGTH: 6m; PRESSURE RATING: Grade B 4000 KPA certificates to be supplied when delivered; DIAMETER: NB 400mm OD 406mm; SPECIFIC USE: Bulk Water Conduit; SPECIFICATIONS: WALL 4.5mm. Mass 44.56Kg/m. Cement lining to be 8mm; STANDARDS: SABS/SANS approved and bearing the mark in accordance with reference standard AWWA C205.	YES			
270	200002171	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 110mm; LENGTH: 4m; SPECIFIC USE: To fit 100mm AC Pipe OD 122mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	YES			
271	200002108	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 110mm; LENGTH: 6M; SPECIFIC USE: To fit 100mm AC Pipe OD 122mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	YES			

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			Certificate Required SABS / JSAWIC / SANAS	Product Certified by a recognised certification body (Yes/No)	The Product complies with the specified SANS, ISO, JASWIC, AWWA and BRITISH Standards (Yes/No)	Certificate Number
272	200002230	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 160mm; LENGTH: 4m; SPECIFIC USE: To fit 150mm AC Pipe OD 168mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	YES			
273	200002109	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 160mm; LENGTH: 6m; SPECIFIC USE: To fit 150mm AC Pipe OD 168mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	YES			
274	200002105	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 50mm; LENGTH: 6m; SPECIFIC USE: To fit 50mm AC Pipe OD 82mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	YES			
275	O80629	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 63mm; LENGTH: 4m; SPECIFIC USE: To fit 50mm AC Pipe OD 82mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	YES			
276	200002170	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 75mm; LENGTH: 4m; SPECIFIC USE: To fit 75mm AC Pipe OD 96mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	YES			
277	200002107	PIPE - TYPE: Flared Both Ends; MATERIAL: uPVC; SIZE: 75mm; LENGTH: 6m; SPECIFIC USE: To fit 75mm AC Pipe OD 96mm; SPECIFICATIONS: Class 12; STANDARDS: SANS:966-1, certified by a SANAS accredited authority for product certification.	YES			
278	New code	PIPE - TYPE: Plain ended both ends; MATERIAL: HDPE; SIZE: 90mm; LENGTH: 6M; SPECIFICATIONS: Class 12,5 PE 100; STANDARDS: SABS and SAPPMA Certified, bearing the SABS and SAPPMA mark scheme with SANS 4427.	YES			
279	200025695	PIPE - TYPE: Plain ended both ends; MATERIAL: HDPE; SIZE: 110mm; LENGTH: 6M; SPECIFICATIONS: Class 12,5 PE 100; STANDARDS: SABS and SAPPMA Certified, bearing the SABS and SAPPMA mark scheme with SANS 4427.	YES			
280	200025696	PIPE - TYPE: Plain ended both ends; MATERIAL: HDPE; SIZE: 160mm; LENGTH: 6M; SPECIFICATIONS: Class 12,5 PE 100; STANDARDS: SABS and SAPPMA Certified, bearing the SABS and SAPPMA mark scheme with SANS 4427.	YES			
281	200025697	PIPE - TYPE: Plain ended both ends; MATERIAL: HDPE; SIZE: 200mm; LENGTH: 6M; SPECIFICATIONS: Class 12,5 PE 100; STANDARDS: SABS and SAPPMA Certified, bearing the SABS and SAPPMA mark scheme with SANS 4427.	YES			
282	47108000049506	PIPE - TYPE: Plain Ended; MATERIAL: Mild Steel Cement Lined and Sheathed; LENGTH: 6.7m; OUTSIDE DIAMETER RANGE: 114.3mm; INTERNAL DIAMETER: 100mm; SPECIFICATIONS: Cement lining internal and externally, Cement lining to be 6mm; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable, AWWA C205 with SANS 62.	YES			
283	47108000049603	PIPE - TYPE: Plain Ended; MATERIAL: Mild Steel Cement Lined and Sheathed; LENGTH: 6.7m; OUTSIDE DIAMETER RANGE: 165.1mm; INTERNAL DIAMETER: 150mm; SPECIFICATIONS: Cement lining internal and externally, Cement lining to be 6mm; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable, AWWA C205 with SANS 62.	YES			

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284	200010175	PIPE - TYPE: Plain Ended; MATERIAL: Mild Steel Cement Lined and Sheathed; LENGTH: 6M; OUTSIDE DIAMETER RANGE: 241mm; INTERNAL DIAMETER: 225mm; SPECIFICATIONS: Cement lining internal and externally, Cement lining to be 6mm; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable,AWWA C205 with SANS 62.	YES			
285	200009348	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 110mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	YES			
287	200005300	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 200mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	YES			
288	200003097	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 250mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable with SANS: 966.	YES			
289	200011732	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 300mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral rubber ring seal; STANDARDS: SABS Certified, bearing the SABS mark scheme where applicable with SANS:966.	YES			
290	200003098	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 315mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	YES			
291	200003099	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 355mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	YES			
292	200003055	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 50mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	YES			
293	200010157	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 63mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	YES			
294	200004504	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 75mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	YES			
295	200004498	PIPE - TYPE: Socketed One End; MATERIAL: uPVC; SIZE: 90mm; LENGTH: 6m; SPECIFICATIONS: Class 12 with integral socket and locked-in rubber ring seal; STANDARDS: SANS 966-1, certified by a SANAS accredited authority for product certification.	YES			
376	200011422	TAILPIECE - MATERIAL: Brass DZR; SIZE: 15mm; SPECIFIC USE: For connecting water meters in water systems; SPECIFICATIONS: Set of two couplings complete with brass nuts and gaskets,; STANDARDS: SABS Certified, SANS 6509 and bearing the SABS mark scheme where applicable and or NSF/ANSI 61.	YES			

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377	200011424	TAILPIECE - MATERIAL: Brass DZR; SIZE: 22mm; SPECIFIC USE: For connecting water meters in water systems; SPECIFICATIONS: Set of two couplings complete with brass nuts and gaskets; STANDARDS: SABS Certified, SANS 6509 and bearing the SABS mark scheme where applicable and or NSF/ANSI 61.	YES			
378	200011423	TAILPIECE - MATERIAL: Brass DZR; SIZE: 28mm; SPECIFIC USE: For connecting water meters in water systems; SPECIFICATIONS: Set of two couplings complete with brass nuts and gaskets; STANDARDS: SABS Certified, SANS 6509 and bearing the SABS mark scheme where applicable and or NSF/ANSI 61.	YES			
379	200011652	TAILPIECE - MATERIAL: Brass DZR; SIZE: 42mm; SPECIFIC USE: For connecting water meters in water systems; SPECIFICATIONS: Set of two couplings complete with brass nuts and gaskets; STANDARDS: SABS Certified, SANS 6509 and bearing the SABS mark scheme where applicable and or NSF/ANSI 61.	YES			
419	New code	VALVE - TYPE: Air Release; MATERIAL: 316 Stainless Steel; SIZE: 25mm; PN RATING: 16; COATING: Internal and external Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: Screw end connection to BSP.	YES			
420	New code	VALVE - TYPE: Air Release; MATERIAL: 316 Stainless Steel; SIZE: 50mm; PN RATING: 16; COATING: Internal and external Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: Screw end connection to BSP.	YES			
421	New code	VALVE - TYPE: Air Release; MATERIAL: 316 Stainless Steel; SIZE: 80mm; PN RATING: 16; COATING: Flanges to be Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: flange studded end connection.	YES			
422	200026405	VALVE - TYPE: Air Release; MATERIAL: 304/316 Stainless Steel; SIZE: 25mm; PN RATING: 16; COATING: Internal and external Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: flange studded end connection.	YES			
423	200026404	VALVE - TYPE: Air Release; MATERIAL: 316 Stainless Steel; SIZE: 100mm; PN RATING: 16; COATING: Flanges to be Fusion Bonded Epoxy; SPECIFIC USE: variance of pressure Anti-Shock & Anti-Surge air release and vacuum break valves for water; SPECIFICATIONS: flange studded end connection.	YES			
424	200005229	VALVE - TYPE: Butterfly Double Flange; MATERIAL: Cast Iron; SIZE: 450mm; PN RATING: 16; COATING: Fusion Bonded Epoxy internal and externally; SPECIFICATIONS: Handwheel; STANDARDS: SANS 1849.	YES			
425	200011484	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 100mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Swing Check Flange, Flange to be Multi drilled; STANDARDS: SABS Certified, SANS:1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	YES			
426	200004846	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 100mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Wafer Double Door; STANDARDS: SABS Certified, SANS:1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	YES			

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427	200004825	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 150mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Flanged Reflux Single Door, Flange to be Multi drilled; STANDARDS: SABS Certified, SANS:1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	YES			
428	48208000385336	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 150mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Wafer Double Door; STANDARDS: SABS Certified, SANS 1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	YES			
429	200004829	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 200mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Flanged Reflux Single Door. , Flange to be Multi drilled; STANDARDS: SABS Certified, SANS 1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	YES			
430	S00071278	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 300mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Wafer Double Door; STANDARDS: SABS Certified, SANS:1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	YES			
431	200004845	VALVE - TYPE: Non Return; MATERIAL: Ductile Iron; SIZE: 80mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Flanged Reflux Single Door , Flange to be Multi drilled; STANDARDS: SABS Certified, SANS 1551-1 and/or EN12334 and bearing the SABS mark scheme where applicable.	YES			
422	200004849	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 100mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	YES			
433	200001906	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 150mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	YES			
434	S00254096	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 200mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	YES			
435	B008695	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 250mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	YES			
436	S00072657	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 300mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	YES			

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437	200004862	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 50mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	YES			
438	S00072614	VALVE - TYPE: Plain Ended; MATERIAL: Ductile Iron; SIZE: 75mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, plain Ended with non-rising spindle; STANDARDS: SABS Certified, SANS:664 and bearing the SABS mark scheme where applicable.	YES			
439	200005227	VALVE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 110mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, Socketed with non-rising spindle; STANDARDS: SABS Certified, SANS-664 and bearing the SABS mark scheme where applicable.	YES			
440	200010171	VALVE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 160mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, Socketed with non-rising spindle; STANDARDS: SABS Certified, SANS-664 and bearing the SABS mark scheme where applicable.	YES			
441	200011682	VALVE - TYPE: Socketed; MATERIAL: Ductile Iron; SIZE: 250mm; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top, Socketed with non-rising spindle; STANDARDS: SABS Certified, SANS-664 and bearing the SABS mark scheme where applicable.	YES			
442	200004868	VALVE - TYPE: Underground Fire Hydrant; MATERIAL: Ductile Iron; SIZE: 75mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally to comply with BS EN 1074-6; SPECIFIC USE: Under Ground; THREAD: London Round Thread 2½" outlet to BS750:2006; SPECIFICATIONS: Fully serviceable and maintainable for use with water and neutral liquids to a maximum temperature of 70 degrees Celsius. Multi-drilled inlet flange to BS EN1092, & BS10, Corrosion resistant construction. Spindle and fastenings to be stainless steel for increased durability and strength; STANDARDS: SANS 1128-1 and/or EN14399.	YES			
443	200004867	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 75mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
444	200004869	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 100mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
445	200004864	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 150mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			

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446	200004905	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 200mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
447	200025698	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 250mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
448	200004861	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 300mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
449	New code	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 350mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
450	New code	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 400mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
451	New code	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 450mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
452	New code	VALVE - TYPE: Wedge Gate Flanged; MATERIAL: Ductile Iron; SIZE: 500mm; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Resilient Seal Left Hand Closing with Cap top. Flange to be Multi drilled, Flanged with non-rising spindle, EPDM rubber fully vulcanized for drinking water; STANDARDS: SABS Certified SANS:664 and bearing the SABS mark scheme where applicable.	YES			
453	200011483	VALVE - TYPE: Non Return; SIZE: 150mm; MATERIAL: Ductile Iron; PN RATING: 16; COATING: Fusion bonded epoxy coated internal and externally; SPECIFICATIONS: Swing Check Flange, Flange to be Multi drilled.; STANDARD: SABS Certified, SANS:1551-1 and/or EN12433 and bearing the SABS mark scheme where applicable	YES			