

BID NOTICE

STELLENBOSCH MUNICIPALITY HEREBY INVITES YOU TO TENDER FOR B/SM 61/23 SUPPLY, DELIVERY AND OFFLOADING OF WATER AND SEWER PIPES AND FITTINGS FOR THE CONTRACT PERIOD 1 JULY 2023 TO 30 JUNE 2026

TENDER NUMBER: B/SM 61/23

DESCRIPTION: SUPPLY, DELIVERY AND OFFLOADING OF WATER AND SEWER PIPES AND FITTINGS

FOR THE CONTRACT PERIOD 1 JULY 2023 TO 30 JUNE 2026

CLOSING DATE: 17 April 2023

CLOSING TIME: 12h00: Bids will be opened in the Council Chambers or Supply Chain Management

Boardroom.

INFORMATION:

Tender Specifications: Dzino Mutyorauta at 021 808 8705: e-mail: dzino.mutyorauta@stellenbosch.gov.za
SCM Requirements: Carlynne Boraine at 021 808 8625: e-mail: carlynne.boraine@stellenbosch.gov.za
Office hours for collection; 08h00-15h30

A Compulsory Clarification Meeting will be held at 10h00 on Friday, 24 March 2023 at Beltana Stores, Helshoogte Road. In terms of COVID 19 Compliance the following regulation must be adhered to. If the number of Tenderers exceeds 20 people, separate briefing sessions will be scheduled on the same day at different time periods to ensure social distancing. Therefore, it is requested that only 1 representative of a company attend the briefing session. Tenderers must ensure that they give notice to Dzino Mutyorauta (dzino.mutyorauta@stellenbosch.gov.za) that they intend attending the meeting. Name, Surname, Email address and cell phone number will be required. Notice must be received at least 2 working days prior to the meeting (i.e., by 22 March 2023 at 10h00) to enable the department to determine if separate meetings are required and to provide attendance times to prospective bidders to ensure COVID 19 Compliance. Prospective bidders will only be allowed to enter at a time allocated.

Tenders may only be submitted on the Tender document issued by Stellenbosch Municipality and must be valid for **180 days** after tender closing. Late, electronic format, telephonic or faxed Tenders will not be considered, and Stellenbosch Municipality does not bind itself to accept the lowest bid or any of the tenders that has been submitted.

Sealed Tenders, with "B/SM 61/23 SUPPLY, DELIVERY AND OFFLOADING OF WATER AND SEWER PIPES AND FITTINGS FOR THE CONTRACT PERIOD 1 JULY 2023 TO 30 JUNE 2026" clearly endorsed on the envelope, must be deposited in the Tender box at the offices of the Stellenbosch Municipality, Town House Complex, Plein Street, Stellenbosch. The Tender box is accessible 24 hours a day. Tenders must be accompanied by the completed Tender Document (hardcopy), as well as a USB memory stick containing a whole completed Schedule of Rates in Excel format (softcopy). The Excel Schedule of Rates base spreadsheet will be available on the Stellenbosch Municipality's website, www.stellenbosch.gov.za. Should there be any discrepancy between the tenderer's hardcopy and softcopies, the hardcopy document shall take precedence. Any contract shall be based on the tenderer's hardcopy Schedule of Rates. Tenders not accompanied by a complete hardcopy Tender Document, will not be considered.

<u>NOTE:</u> This tender will be evaluated in terms of the General Conditions of Contract, Supply Chain Management Policy and relevant specification as depicted in the document and also the Stellenbosch Preferential Procurement Policy effective from 16 January 2023 in accordance with the Preferential Procurement Regulations that was promulgated by the Minister of Finance on 04 November 2022 in Government Gazette No 47452.

The preferential points system applied is as follows: 80/20 in terms of the approved policy.

Price 80
B-BBEE status level of contribution 10
Locality 10
Total points for Price, B-BBEE and Locality 100

The following conditions to Tender exist (failure to comply may result in your Tender being disqualified):

- 1. This Tender is subject to the general conditions of contract (GCC) and special conditions for Tendering.
- 2. Relevant terms of reference.

- 3. Tenderers must be registered on the Central supplier database (CSD) if they wish to conduct business with the municipality.
- 4. No award will be made to tenderers whose tax status is non-compliant.
- 5. Tenders submitted must be in a sealed envelope clearly marked with the Tender number, placed in the tender box before closing time. Failure will result in the tender being invalid.

Tender documents, in English, are available free of charge on the website: www.stellenbosch.gov.za. Alternatively, hard copies of the document are obtainable from the offices of the Supply Chain Management Unit, Stellenbosch Municipality, Town House Complex, 1st Floor, Plein Street, Stellenbosch, upon payment of a non-refundable fee of R 472.50 per document.

G Mettler (Ms)
MUNICIPAL MANAGER



TENDER KENNISGEWING

STELLENBOSCH NOOI U VIR DIE VOLGENDE TENDER B/SM 61/23 VOORSIENING, AFLEWERING EN AFLAAI VAN WATER EN RIOOLPYPE EN TOESTELLINGS VIR DIE KONTRAKTYDPERK 1 JULIE 2023 TOT 30 JUNIE 2026

TENDER NOMMER: BSM 61/23

BESKRYWING: VOORSIENING, AFLEWERING EN AFLAAI VAN WATER EN RIOOLPYPE EN

TOESTELLINGS VIR DIE KONTRAKTYDPERK 1 JULIE 2023 TOT 30 JUNIE 2026

SLUITINGSDATUM: 17 April 2023

TYD VAN SLUITING: 12h00. Tenders sal oopgemaak word in die Raadsaal of in die

Voorsieningskanaalbestuurs Raadsaal.

NAVRAE:

Tender spesifikasies: Dzino Mutyorauta Tel: 021 808 8705 Epos: dzino.mutyorauta@stellenbosch.gov.za Vkb vereistes: Carlynne Boraine Tel: 021 808 8625 Epos: carlynne.boraine@stellenbosch.gov.za

Kantoor Ure: 08h00-15h30

'n Verpligte toeligtingsvergadering word op **Vrydag, 24 Maart 2023 om 10h00** by Beltana Stores, Helshoogteweg gehou. In terme van COVID 19 Regulasies moet die volgende nagekom word. As die aantal tenderaars meer as 20 mense is, sal aparte inligtingsessies op dieselfde dag op verskillende tydperke geskeduleer word om sosiale afstand te verseker. Daarom word versoek dat slegs 1 verteenwoordiger van 'n maatskappy die inligtingsessie bywoon. Tenderaars moet verseker hulle gee kennis aan die munisipaliteit dat hulle die sessie wil bywoon. Naam, Van, Eposadres en selfoonnommer sal vereis word en moet na Dzino Mutyorauta (dzino.mutyorauta@stellenbosch.gov.za) gestuur word. Kennisgewing moet ten minste 2 werksdae voor die vergadering ontvang word (m.a.w. teen 22 Maart 2023 om 10h00) om die departement in staat te stel om te bepaal of afsonderlike vergaderings vereis word en om bywoning tye aan voornemende tenderaars te verskaf. Tenderaars sal slegs toegelaat word in hul betrokke tyd skedule.

Tenders mag slegs ingedien word op die tenderdokumentasie verskaf deur Stellenbosch Munisipaliteit en moet geldig wees vir **180 dae** na die sluitingsdatum. Laat, elektroniese formaat of gefakse tenders sal nie aanvaar word nie en Stellenbosch Munisipaliteit is nie verplig om die laagste of enige tender wat ingedien word te aanvaar nie.

Verseëlde tenders duidelik gemerk: "BSM 61/23 VOORSIENING, AFLEWERING EN AFLAAI VAN WATER EN RIOOLPYPE EN TOESTELLINGS VIR DIE KONTRAKTYDPERK 1 JULIE 2023 TOT 30 JUNIE 2026", op die koevert, moet geplaas word in Tenderbus by die kantore van Stellenbosch Munisipaliteit, Pleinstraat, Stellenbosch. Die tenderbus is 24 uur per dag beskikbaar. Tenders moet vergesel wees van die voltooide tenderdokument (hardekopie), asook 'n USB-geheuestokkie met 'n hele voltooide tariefskedule in excel-formaat (sagtekopie). Die Excel basisdokument vir die tariefskedule is beskikbaar op die Stellenbosch Munisipaliteit se webwerf, www.stellenbosch.gov.za. As daar 'n verskil is tussen die hardekopie van die tenderaar en die sagte kopieë, sal die hardekopie-dokument voorrang geniet. Enige kontrak sal gebaseer wees op die hardekopie tariefskedule. Tenders wat nie gepaard gaan met die volledige hardekopie van die tenderdokument nie, sal nie oorweeg word nie.

<u>LET WEL:</u> Hierdie tender sal geëvalueer word in terme van die Algemene Kontrakvoorwaardes, Voorsieningskettingbestuursbeleid en relevante spesifikasie soos uitgebeeld in die dokument en ook die Stellenbosch Voorkeurverkrygingsbeleid van krag vanaf 16 Januarie 2023 in ooreenstemming met die Voorkeurverkrygingsregulasies wat was afgekondig deur die Minister van Finansies op 04 November 2022 in Staatskoerant No 47452.

Prys 80
BBSED 10
Ligging 10
Totale punte vir prys, BBSED en ligging 100

Die volgende voorwaardes vir Tender soos volg: (versuim om te voldoen, kan veroorsaak dat u Tender gediskwalifiseer word):

- 1. Hierdie tender is onderworpe aan die algemene kontrakvoorwaardes (GCC) en spesiale voorwaardes vir die tender;
- 2. Toepaslike opdrag
- Tenderaars moet geregistreer wees op Sentrale verskaffersdatabasis as hulle met die munisipaliteit sake wil doen

- 4. Geen toekenning sal gemaak word aan diensverskaffers wie se Belasting status ongeldig is.
- 5. Die tender wat ingedien moet word, moet in 'n verseëlde koevert wees wat duidelik gemerk is met die Tendernommer, wat in die tenderbus voor sluitingstyd geplaas word. Versuim sal tot gevolg hê dat die tender ongeldig is.

Tenderdokumente, in Engels, is verkrygbaar by die kantoor van die Voorsieningskanaalbestuurseenheid, Stellenbosch Munisipaliteit, 1ste Vloer, Pleinstraat, Stellenbosch(Na betaling van 'n nie-terugbetaalde tenderdeelnamefooi **van R 472.50** per dokument.

G Mettler (Me)
MUNISIPALE BESTUURDER



TENDER NO.: B/SM 61/23

SUPPLY, DELIVERY AND OFFLOADING OF WATER AND SEWER PIPES AND FITTINGS FOR THE CONTRACT PERIOD 1 JULY 2023 TO 30 JUNE 2026

PROCUREMENT DOCUMENT

NAME OF TENDERER:			
Total Bid Price (Inclusive of VAT) (Refer to page 58):			
BBBEE LEVEL			
CLAIM POINTS FOR	LOCALITY	YES	NO

MARCH 2023

PREPARED AND ISSUED BY:

Directorate: Finance:

Supply Chain Management Unit Stellenbosch Municipality, PO Box 17, Stellenbosch, 7599

CONTACT FOR ENQUIRIES **REGARDING SPECIFICATIONS:**

Dzino Mutyorauta

Principal Technician - Water and

Wastewater

Tel. Number: 021 808 8705



1. TENDER NOTICE & INVITATION TO TENDER

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BBSED 10
Ligging 10
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G Mettler (Me)

MUNISIPALE BESTUURDER



PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF MUNICIPALITY/ MUNICIPAL ENTITY)					
BID NUMBER:	BSM 61/23	CLOSING DATE:	17 April 2023	CLOSING TIME:	12H00
DESCRIPTION	SUPPLY, DELIV	VERY AND OFFLOADING OF WAT	ER AND SEWER PIP	ES AND FITTINGS FOR T	THE CONTRACT PERIOD
DESCRIPTION	1 JULY 2023 TO	O 30 JUNE 2026			
THE SUCCESSFU	L BIDDER WILL	BE REQUIRED TO FILL IN AND S	IGN A WRITTEN COI	NTRACT FORM (MBD7).	

BID RESPONSE DOCUMENTS MUST BE DEPOSITED IN THE BID BOX SITUATED AT STELLENBOSCH MUNICIPALITY, TOWN COMPLEX, PLEIN STREET, STELLENBOSCH	1 HOUSE
SUPPLIER INFORMATION	
NAME OF BIDDER	
POSTAL ADDRESS	
STREET ADDRESS	
TELEPHONE NUMBER CODE NUMBER	
CELLPHONE NUMBER	
FACSIMILE NUMBER CODE NUMBER	
E-MAIL ADDRESS	
VAT REGISTRATION NUMBER	
TAX COMPLIANCE STATUS TCS PIN: OR CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE B-BBEE STATUS LEVEL Yes SWORN	
TICK APPLICABLE BOX] No AFFIDAVIT No	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUE	3MITTED
IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE] 2. ARE YOU A	
1. ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED? Yes	No 3:3]
3. TOTAL NUMBER OF	
ITEMS OFFERED 4. TOTAL BID PRICE R	
5. SIGNATURE OF BIDDER 6. DATE	
7. CAPACITY UNDER WHICH THIS BID IS SIGNED	
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO: TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT FINANCE: SCM CONTACT PERSON Dzino Mutyorauta	
DEPARTMENTFINANCE: SCMCONTACT PERSONDzino MutyorautaCONTACT PERSONCarlynne BoraineTELEPHONE NUMBER021 808 8705	
DEPARTMENT FINANCE: SCM CONTACT PERSON Dzino Mutyorauta	ch.gov.za



PART B TERMS AND CONDITIONS FOR BIDDING

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR ONLINE
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE STELLENBOSCH SUPPLY CHAIN MANAGEMENT POLICY, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.
- 2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3.	QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS	
3.1.	IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO
3.2.	DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO
3.3.	DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO
3.4.	DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO
3.5.	IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	☐ YES ☐ NO
	HE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGIST TEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGIS	
B: F	AILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.	

SIGNATURE OF BIDDER:	
CAPACITY UNDER WHICH THIS BID IS SIGNED:	
DATE:	

NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.



CONTENTS

PAGE NUMBER

1.	TENDER NOTICE & INVITATION TO TENDER	2
PART A	- ADMINISTRATIVE REQUIREMENTS IN TERMS OF THE SUPPLY CHAIN MANAGEMENT POLICY	9
2.	CHECKLIST	10
3.	CLARIFICATION MEETING CERTIFICATE	11
4.	AUTHORITY TO SIGN A BID	12
5.	CERTIFICATE OF AUTHORITY FOR JOINT VENTURES	14
6.	GENERAL CONDITIONS OF CONTRACT – GOVERNMENT PROCUREMENT	15
7.	GENERAL CONDITIONS OF TENDER	24
8.	MBD 4 – DECLARATION OF INTEREST	26
9.	MBD6.1 – PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 – PURCHASES/SERVICES 80/20 or 90/10	29
10.	MBD 8 - DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES	39
11.	MBD 9 – CERTIFICATE OF INDEPENDENT BID DETERMINATION	41
12.	MBD 10 – CERTIFICATE FOR PAYMENT OF MUNICIPAL SERVICES	43
PART B -	SPECIFICATIONS AND PRICING SCHEDULE	44
13.	SPECIFICATIONS	45
14.	SCHEDULE OF WORK EXPERIENCE OF THE TENDERER – CURRENT CONTRACTS	52
15.	SCHEDULE OF WORK EXPERIENCE OF THE TENDERER - COMPLETED CONTRACTS	53
16.	PRICING SCHEDULE	54
17.	DECLARATION BY TENDERER	135



PART A – ADMINISTRATIVE REQUIREMENTS IN TERMS OF THE SUPPLY CHAIN MANAGEMENT POLICY



2. CHECKLIST

PLEASE ENSURE THAT THE FOLLOWING FORMS HAVE BEEN DULY COMPLETED AND SIGNED AND THAT ALL DOCUMENTS AS REQUESTED, ARE ATTACHED TO THE TENDER DOCUMENT:

Certificate of Clarification/Virtual Meeting Attendance - Is the form duly completed and signed by both tenderer and agent of the Stellenbosch Municipality?	Yes	No	
Authority to Sign a Bid - Is the form duly completed and is a certified copy of the resolution attached?	Yes	No	
MBD 4 (Declaration of Interest) - Is the form duly completed and signed?	Yes	No	
MBD 6.1 (Preference Points claim form for purchases/services) - Is the form duly completed and signed?			
Is a copy of the B-BBEE Certificate issued by a Verification Agency accredited by SANAS or the original Sworn Affidavit attached?	Yes	No	
(NB! BBBEE CERTIFICATES CAN BE VERIFIED WITH THE VERIFICATION AGENCY BUT A SWORN AFFIDAVIT <u>MUST</u> BE AN ORIGINAL AND NOT A COPY TO BE ELIGIBLE FOR BBBEE POINTS)			
MBD 8 (Declaration of Past Supply Chain Practices) - Is the form duly completed and signed?	Yes	No	
MBD 9 (Certificate of Independent Bid Determination) - Is the form duly completed and signed?	Yes	No	
MBD 10 (Certificate of Payment of Municipal Accounts) - Is the form duly completed and signed? Are the Identity numbers, residential addresses and municipal account numbers of ALL members, partners, directors, etc. provided on the form as requested? (NB! MUNICIPAL ACCOUNTS WILL BE VERIFIED AND USED AS BASIS FOR PREFERENCE POINTS SCORING IN TERMS OF THE STELLENBOSCH PREFERENTIAL PROCUREMENT POLICY. THE BUSINESS ADDRESS, LEASE AGREEMENT OR SWORN AFFADAVIT WILL BE THE BASIS FOR AWARDING POINTS FOR LOCALITY)	Yes	No	
Pricing Schedule - Is the form duly completed and signed?	Yes	No	
Declaration by Tenderer - Is the form duly completed and signed?	Yes	No	

Reference No:	B/SM 61/23	Page 10 of 135
---------------	------------	----------------



3. CLARIFICATION MEETING CERTIFICATE

I / We*, the undersigned, certify that I / we* have examined the Site for the Works and its surroundings for which I / we* am / are* submitting this Tender and have, as far as practicable possible, familiarized myself / ourselves* with all information, risks, contingencies, and other circumstances which may influence or affect my / our* tender.

NAME & SURNAME		
CAPACITY		
NAME OF FIRM		
ADDRESS		
TELEPHONE NO	FAX NO:	
E-MAIL	SIGNATURE	

NB: Please note that no latecomers will be allowed.

For all compulsory briefing sessions/site meetings/clarification meetings, bids received from interested bidders that did not attend the meeting or arrived later than predetermined date and time, will be <u>disqualified.</u>

Reference No: B/SM 61/23 Page 11 of 13	Reference No:
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Page 12 of 135



4. AUTHORITY TO SIGN A BID

l. l,		, th	ne undei	rsigned,	hereby con	firm tha	t I am the
	siness trading as						
र							
2. I,			the unde	ersigned	d, hereby co	onfirm th	at I am
submitting this tende	r in my capacity as natural pe	rson.					
IGNATURE:			DATE:				
PRINT NAME:							
VITNESS 1:			WITNE	SS 2:			
OMPANIES AND CLOS	E CORPORATIONS						
and any other docum company must be s i 2. In the case of a C	on who signs this bid to do so nents and correspondence in cubmitted with this bid, that it LOSE CORPORATION (COET or other official of the corporation.	connects, befo	tion with ore the cl mitting a	this bid losing ti	and/or con me and date resolution	tract on e of the n by it:	behalf of t bid s membe
	LUTION BY BOARD OF DIRE	CTORS	OF THE	E COMP	ANY/MEME	BERS O	THE CC
Date Resolution was taken							
Resolution signed by (name	and surname)						
Capacity							
Name and surname of deleg	ated Authorised Signatory						
Capacity							
Specimen Signature							
Full name and surname of A	ALL Director(s) / Member (s)						
1.		2.					
3.		4.					
5.		6.					
7.		8.					
9.		10.					
s a CERTIFIED COPY	of the resolution attached?			YES		NO	
			DATE:				-
SIGNED ON BEHALF OF COMPANY / CC:			D, (1 L.				
			57112.				

2.

Reference No:

B/SM 61/23



١٨.	/-	th th-						h b
	e, the undersigned parti		_					
	uthorize Mr/Ms							
	om the bid and any othe		•	e in conne	ection wit	th this t	oid and	or contract for and
or	n behalf of the aboveme	entioned part	inership.					
Tł	ne following particulars in	n respect of	every partner must	be furnish	ed and si	igned b	y every	partner:
		Full name	of partner				S	ignature
	SIGNED ON BEHALF OF PARTNERSHIP:			DATE:				
	PRINT NAME:							
	WITNESS 1:			WITNESS	2:			
C	ONSORTIUM							
	e, the undersigned cons	sortium partn	ners, hereby authoriz	ze				
			y) to act as lead con					
								t resulting from this
te	nder and any other doc	uments and	correspondence in	connection	n with thi	s tende	er and /	or contract for and
or	n behalf of the consortiu	m.						
Τŀ	he following particulars ir	respect of e	each consortium me	mber mus	t be provi	ided an	d signe	ed by each member:
	Full Name of Consortiun	n Member	Role of Consor	tium Memb	er	% Partici		Signature
	SIGNED ON BEHALF OF PARTNERSHIP:					DATE:		
						DATE:		
	PARTNERSHIP:				WITNESS			
	PARTNERSHIP: PRINT NAME:				WITNESS			
	PARTNERSHIP: PRINT NAME:				WITNESS			

4.

Reference No:	B/SM 61/23	Page 13 of 135
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5. CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This returnable schedule is to be completed by JOINT VENTURES

We, the undersigned, a	are submitting this tender offer in joint venture and hereby authorize Mr./Ms
authorized signatory of	the Company/Close Corporation/Partnership (name)
	, acting in the capacity of lead partner, to sign
all documents in conne	ection with the tender offer and any contract resulting from it on our behalf.
(i) Name of firm (Lead pa	artner)
Address	
	Tel. No.
Signature	Designation
(ii) Name of firm	
Address	Tel. No.
Signature	Designation
(iii)Name of firm	
A.11	
Address:	Tel. No.
Signature	Designation
(iv) Name of firm	
Address	
Audiess	Tel. No.
Signature	Designation

NOTE: A copy of the Joint Venture Agreement showing clearly the percentage contribution

Reference No:	B/SM 61/23	Dog 14 of 125
Reference No:	B/SM 61/23	Page 14 of 135



6. GENERAL CONDITIONS OF CONTRACT – GOVERNMENT PROCUREMENT

1. **DEFINITIONS**

The following terms shall be interpreted as indicated:

- 1.1. "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2. "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3. "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4. "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5. "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally
- 1.6. "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7. "Day" means calendar day.
- 1.8. "Delivery" means delivery in compliance of the conditions of the contract or order.
- 1.9. "Delivery ex stock" means immediate delivery directly from stock actually on hand.
- 1.10. "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11. "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 1.12."Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable.
- 1.13. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.14. "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.
- 1.15. "GCC" means the General Conditions of Contract.
- 1.16. "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.17. "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.
- 1.18. "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.

Reference No: B/SM 61/23 Page 15 of 135	Reference No:	B/SM 61/23	Page 15 of 135
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- 1.19. "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.20. "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.21. "Project site" where applicable, means the place indicated in bidding documents.
- 1.22. "Purchaser" means the organization purchasing the goods.
- 1.23. "Republic" means the Republic of South Africa.
- 1.24. "SCC" means the Special Conditions of Contract.
- 1.25. "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.
- 1.26. "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
- 1.27. "Tort" means in breach of contract.
- 1.28. "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
- 1.29. "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. Invitations to bid are usually published in locally distributed news media and on the municipality / municipal entity website.

4. Standards

4.1. The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contract documents and information; inspection.

- 5.1. The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.
- 5.2. The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3. Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

Reference No:	B/SM 61/23	Page 16 of 135
		1 - 3 - 1 - 1 - 1



5.4. The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

- 6.1. The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- 6.2. When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.

7. Performance security

- 7.1. Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2. The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3. The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
 - 7.3.1. 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
 - 7.3.2. a cashier's or certified cheque
- 7.4. The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified.

8. Inspections, tests, and analyses

- 8.1. All pre-bidding testing will be for the account of the bidder. 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 inspections tests and analysis, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organization acting on behalf of the purchaser.
- 8.2. If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.3. If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.4. Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.5. 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.

Reference No:	B/SM 61/23	Page 17 of 135
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- 8.6. Any contract goods may on or after delivery be inspected, tested, or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods 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 goods which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.
- 8.7. 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 22 of GCC.

9. Packing

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

10. Delivery

Delivery of the goods shall be made by the supplier in accordance with the documents and terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified.

11. Insurance

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.

12. Transportation

Should a price other than an all-inclusive delivered price be required, this shall be specified.

13. Incidental

- 13.1. The supplier may be required to provide any or all of the following services, including additional services, if any:
 - 13.1.1. performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - 13.1.2. furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - 13.1.3. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
 - 13.1.4. 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
 - 13.1.5. 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.

Reference No:	B/SM 61/23	Page 18 of 135
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14. Spare parts

- 14.1.As specified, 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:
 - 14.1.1. 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:
 - 14.1.2. in the event of termination of production of the spare parts:
 - 14.1.2.1. advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - 14.1.2.2. following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

- 15.1. The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2. This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4.Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5.If the supplier, having been notified, fails to remedy the defect(s) within the period specified, 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.
- 16.2. The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.
- 16.3. Payments shall be made by the purchaser **no later than thirty (30**) days after submission of an **invoice, statement** or claim by the supplier.
- 16.4. Payment will be made in Rand unless otherwise stipulated.

17. Prices

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

18. Variation orders

In cases where the estimated value of the envisaged changes in purchase does not vary more tha 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price and such offers, may be accepted provided that there is no escalation in price.

19. Assignment

Reference No:	B/SM 61/23	Page 19 of 135



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

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 performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3. The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.4. 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 22 without the application of penalties.
- 21.5.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

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:
 - 23.1.1. 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;
 - 23.1.2. if the Supplier fails to perform any other obligation(s) under the contract; or
 - 23.1.3. 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.

Reference No:	B/SM 61/23	Page 20 of 135
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- 23.3. Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4. If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.
- 23.5.Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, 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 purchase actively associated.
- 23.6. If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:
 - 23.6.1. the name and address of the supplier and / or person restricted by the purchaser;
 - 23.6.2. the date of commencement of the restriction
 - 23.6.3. the period of restriction; and
 - 23.6.4. the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7.If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped of subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

25. Force Majeure

- 25.1. Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2.If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

Reference No:	B/SM 61/23	Page 21 of 135



The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

- 27.1.If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2.If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3. Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4. Notwithstanding any reference to mediation and/or court proceedings herein,
 - 27.4.1. the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
 - 27.4.2. the purchaser shall pay the supplier any monies due for goods delivered and / or services rendered according to the prescripts of the contract.

28. Limitation of liability

- 28.1.Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
 - 28.1.1. 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
 - 28.1.2. 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

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

The contract shall be interpreted in accordance with South African laws, unless otherwise specified.

31. Notices

- 31.1. Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice
- 31.2. The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

- 32.1.A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2.A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3. No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.

Reference No:	B/SM 61/23	Page 22 of 135



32.4.No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

33. Transfer of contracts

The contractor shall not abandon, transfer, cede, assign or sublet a contract or part thereof without the written permission of the purchaser.

34. Amendment of contracts

No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.

35. Prohibition of restrictive practices.

- 35.1.In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.
- 35.2.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 section 59 of the Competition Act No 89 0f 1998.
- 35.3.If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

General Conditions of Contract (revised July 2010)

Reference No:	B/SM	61/23	Page 23 of 135
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7. GENERAL CONDITIONS OF TENDER

- Sealed tenders, with the "Tender Number and Title" clearly endorsed on the envelope, must be deposited in the tender box at the offices of the Stellenbosch Municipality, Plein Street, Stellenbosch.
- 2. The tender must be lodged by the Tenderer in the tender box in the Main Hall Entrance, Stellenbosch Municipal Offices, Plein Street, Stellenbosch

PLEASE NOTE:

- 2.1. Tenders that are deposited in the incorrect box will not be considered.
- 2.2. Mailed, telegraphic or faxed tenders will not be accepted.
- 2.3. Documents may only be completed in non-erasable ink.
- 2.4. The use of correction fluid/tape is not allowed.
 - 2.4.1. In the event of a mistake having been made, it shall be crossed out in ink and be accompanied by an initial at each and every alteration.
 - 2.4.2. Alterations or deletions not signed by the Tenderer may render the tender invalid.
- 2.5. All bids must be submitted in writing on the official forms supplied (not to be re-typed)
- All prices shall be quoted in South African currency and be INCLUSIVE of VAT.
- 3. Where the value of an intended contract will exceed R1 000 000, 00 (R1 million) it is the bidder's responsibility to be registered with the South African Revenue Service (SARS) for VAT purposes in order to be able to issue tax invoices. The municipality will deem the price above R 1 000 000,00 (R1 million) to be VAT inclusive even if it is indicated that no VAT is charged. Please insure that provision is made for VAT in these instances.
 - 3.1 It is a requirement of this contract that the amount of value-added tax (VAT) must be shown clearly on each invoice.
 - 3.2 The amended Value-Added Tax Act requires that a Tax Invoice for supplies in excess of R3 000 should, in addition to the other required information, also disclose the VAT registration number of the recipient, with effect from 1 March 2005. The VAT registration number of the Stellenbosch Municipality is **4700102181.**
- 4. Any Tender received after the appointed time for the closing of Tenders shall not be considered but shall be filed unopened with the other Tenders received or may be returned to the Tenderer at his request.
- 5. Tenders may not be telefaxed to the Municipality and therefore any tenders received by fax will **not** be considered.
- 6. Tenders shall be opened in public at the Stellenbosch Municipal Offices as soon as possible after the closing time for the receipt of tenders.
- 7. The Municipality shall have the right to summarily disqualify any Tenderer who, either at the date of submission of this tender or at the date of its award, is indebted to the Municipality in respect of any rental, levies, rates and/or service charges; ALTERNATIVELY;
 - 7.1. That an agreement be signed whereby the Tenderer agrees that a percentage or fixed amount at the discretion of the Municipality, be deducted from payments due to him for this tender, until the debt is paid in full.
 - 7.2. The tenderer shall declare **all** the Municipal account numbers in the Stellenbosch Area for which the enterprise or the proprietors or directors in their personal capacity is/ are responsible or co-responsible.

Reference No: B/SM 61/23 Page 24 o	f 135
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8. Negotiations for a fair market related price

- 8.1. The award of the tender may be subject to price negotiation with the preferred tenderers.
- 9. This bid will be evaluated and adjudicated according to the following criteria:
 - 8.1 Relevant specifications
 - 8.2 Value for money
 - 8.3 Capability to execute the contract
 - 8.4 PPPFA & associated regulations

10. Service Level Agreement

The award of the tender is subject to the signing of a Service Level Agreement (SLA) between the successful bidder and Stellenbosch Municipality.

11. Centralised Supplier Database

No Bids will be awarded to a bidder who is not registered on the Centralised Supplier Database (CSD).

The CSD supplier number starting with (MAAA) number is automatically generated by the Central Database System after successful registration and validation of a prospective service provider. This number is now a mandatory requirement, as referred to in regulation 14(1) (b) of the Municipal Supply Chain Management Regulations, as part of the listing criteria for accrediting a prospective service provider. Prospective suppliers should self – register on the CSD website at www.csd.gov.za Registration on the CSD will be compulsory in order to conduct business with the STELLENBOSCH MUNICIPALITY. Registration on CSD can be done by contacting 021 808 8594 or Nicolene.Hamilton@stellenbosch.gov.za.

Centralised S	upplier Database	• No. MAAA	
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Reference No:	B/SM	61/23	Page 25 of 135
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8. MBD 4 – DECLARATION OF INTEREST

- 1. No bid will be accepted from persons in the service of the state¹.
- 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 bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.
- 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 bidder or his or her representative											
3.2.	Identity Number											
3.3.	Position occupied in the Company (director, shareholder ² etc.)											
3.4.	Company Registration Number											
3.5.	Tax Reference Number											
3.6.	VAT Registration Number											
3.7.	Are you presently in the service of the state?							Y	ES		NO	
3.7.1.	If so, furnish particulars:							-				
3.8.	Have you been in the service of the state for th	e pas	t twel	ve mo	nths'	?		Y	ES		NO	
3.8.1.	If so, furnish particulars:											

- 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;
- 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 &}quot;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.

Reference No:	B/SM 61/23	Page 26 of 135

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

3.9.	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	
3.9.1.	If so, furnish particulars:			
	Are you aware of any relationship (family, friend, other) between a bidder and any			
3.10.	persons in the service of the state who may be involved with the evaluation and or adjudication of this bid?	YES	NO	
3.10.1.	If so, furnish particulars:			
3.11.	Are any of the company's directors, managers, principal shareholders, or stakeholders in the service of the state?	YES	NO	
3.11.1.	If so, furnish particulars:			
3.12.	Is any spouse, child or parent of the company's directors, managers, principal shareholders or stakeholders in the service of the state?	YES	NO	
3.12.1.	If so, furnish particulars:			
3.13.	Do you or any of the directors, trustees, managers, principal shareholders, or stakeholders of this company have any interest in any other related companies or	YES	NO	
31131	business whether or not they are bidding for this contract?	0		
3.13.1.	If so, furnish particulars:			

Reference No:	B/SM 61/23	Page 27 of 135



3.1	4. Please provide the following inform	Please provide the following information on ALL directors/shareholders/trustees/members below:					
	Full Name and Surname	Identity Number	Personal Income Tax Number	Provide State ³ Employee Number			
	NB: a) PLEASE ATTACH CERTIFIED COPY(IES) OF ID DOCUMENT(S) b) PLEASE PROVIDE PERSONAL INCOME TAX NUMBERS FOR ALL DIRECTORS / SHAREHOLDERS / TRUSTEES / MEMBERS, ETC.						
l. D	ECLARATION						
CE	I, the undersigned (name), certify that the information furnished in paragraph 3 above is correct. I accept that the state may act against me should this declaration prove to be false.						
;	SIGNATURE		DATE				
١	NAME OF SIGNATORY						
	POSITION						
	NAME OF COMPANY						

- a member of
 - any municipal council;

 - ii. any provincial legislature; or
 iii. the National Assembly or the National Council of Provinces;
 a member of the board of directors of any municipal entity;
- b.
- an official of any municipality or municipal entity; 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); an executive member of the accounting authority of any national or provincial public entity; or
- e.
- an employee of Parliament or a provincial legislature.

Reference No:	B/SM 61/23	Page 28 of 135
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³ MSCM Regulations: "in the service of the state" means to be –



9. MBD6.1 – PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 – PURCHASES/SERVICES 80/20 or 90/10

NB:

Before completing this form, bidders must study the general conditions, definitions, and directives applicable in respect of B-BBEE, as prescribed in the Preferential Procurement Regulations, 2022 and the Stellenbosch Preferential Procurement Policy 2022/23

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

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to all bids:
 - the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
 - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).
- 1.2 The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable; or
- 1.3 Points for this bid shall be awarded for:
 - (a) Price;
 - (b) B-BBEE Status Level of Contributor and
 - (c) Locality of supplier
- 1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	10
LOCALITY (See definitions)	10
Total points for Price, BBBEE and Locality (must not exceed 100)	100

- 1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.6 Failure on the part of a bidder to submit proof of Locality together with the bid, will be interpreted to mean that preference points for Locality are not claimed.
- 1.7 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. **DEFINITIONS**

 (a) "B-BBEE" means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

Reference No: B/SM 61/23	Page 29 of 135
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- (b) "B-BBEE status level of contributor" means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) "bid" means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) "Broad-Based Black Economic Empowerment Act" means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) "EME" means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) "functionality" means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
 - (g) "**Locality**" means the local suppliers and/or service providers that business offices are within the Municipal area of Stellenbosch (WC024).
- (h) "price" includes all applicable taxes less all unconditional discounts;
- (i) "proof of B-BBEE status level of contributor" means:
 - 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
 - "QSE" means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
 - (k) "Specific goals" means specific goals as contemplated in section 2(1)(d) of the Act which may include contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability including the implementation of programmes of the Reconstruction and Development Programme as
 - published in Government Gazette No. 16085 dated 23 November 1994;
- (/) "rand value" means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES
- 4. POINTS AWARDED FOR PRICE
- 4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

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

80/20 or 90/10

$$Ps = 80\left(1 - \frac{Pt - Pmin}{Pmin}\right)$$
 or $Ps = 90\left(1 - \frac{Pt - Pmin}{Pmin}\right)$

Where

Ps = Points scored for price of bid under consideration

Pt = Price of bid under consideration

Pmin = Price of lowest acceptable bid

Reference No: B/SM 61/23 Page 30 of 135



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

- 5.1 In terms of Regulation 4 (2) and 5 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining a specific goal specified for the tender.
- 5.2 The tendering conditions will stipulate the specific goals, as contemplated in section 2(1)(d)(ii) of the Preferential Procurement Act, be attained.
- 5.3 A maximum of 20 points (80/20 preference points system) or 10 (90/10) preference points system), must be allocated for specific goals. These goals are :
 - (a) contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender or disability;
 - (b) Promotion of enterprises located in the municipal area (WCO24)
- 5.4 Regarding par 5.3 (a) at least 50% of the 20/10 points must be allocated to promote this goal and points will be allocated in terms of the BBBEE scorecard as follows.

B-BBEE Status Level of Contributor	Number of Points for 80/20 Preference Points System	Number of Points for 90/10 Preference Points System
1	20	10
2	18	9
3	16	8
4	12	5
5	8	4
6	6	3
7	4	2
8	2	1
Non-compliant contributor	0	0

- 5.5 A tenderer must submit proof of its BBBEE status level contributor.
- 5.6 A tenderer failing to submit proof of BBBEE status level of contributor
 - 5.6.1 may only score in terms of the 80/90-point formula for price; and
 - 5.6.2 scores 0 points out of 10/5 BBBEE status level of contributor, which is in line with section 2 (1) (d) (i) of the Act, where the supplier or service provider did not provide proof thereof.
- 5.7 Regarding par 5.3 (b) a maximum of 50% of the 20/10 points must be allocated to promote this goal. Maximum points will be allocated as follows.

Reference No:	B/SM 61/23	Page 31 of 135
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Locality of supplier	Number of Points for 80/20 Preference Points System	Number of Points for 90/10 Preference Points System
Within the boundaries of the municipality	10	5
Outside of the boundaries of the municipality	0	0

		i onito oystem	i onits bystem	
	Within the boundaries of the municipality	10	5	
	Outside of the boundaries of the municipality	0	0	
6.	BID DECLARATION			
6.1	Bidders who claim points in respect of B-BB must complete the following:	EE Status Level of Co	entribution and/or Loca	ality
7.	B-BBEE STATUS LEVEL OF CONTRIBUTOR AND 4.1	R CLAIMED IN TERMS	S OF PARAGRAPHS	1.4
7.1	B-BBEE Status Level of Contributor: .	=(maximu	m of 10 points)	
	(Points claimed in respect of paragraph 7.1 BBEE status level of contributor.)	must be substantiate	d by relevant proof of	f B-
7.2	Within the boundaries of Stellenbosch Munic	cipality (WC024)?		
	YES NO			
	Business Address -			
	(Points claimed in respect of paragraph 7.2 business premises is situated in the Mun municipal account or proof of valid lease agr	icipal area of Stellenl	bosch (WC024). A v	alid/
8.	SUB-CONTRACTING			
8.1	Will any portion of the contract be sub-contra	acted?		
	(Tick applicable box)			
	YES NO			
8.1.1	If yes, indicate:			
	 i) What percentage of the contract will be s ii) The name of the sub-contractor iii) The B-BBEE status level of the sub-cont iv) Whether the sub-contractor is an EME o 	ractor		
	(Tick applicable box)			
	YES NO V) Specify, by ticking the appropriate box, i	f subcontracting with a	n enterprise	

Reference No:	B/SM 61/23	Page 32 of 135



Designated Group: An EME or QSE which is at last 51% owned by:	EME √	QSE √
Black people		<u> </u>
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

An	ly QSE
9.	DECLARATION WITH REGARD TO COMPANY/FIRM
9.1	Name of company/firm:
9.2	VAT registration number:
9.3	Company registration number:
9.4	TYPE OF COMPANY/ FIRM
	 Partnership/Joint Venture / Consortium One person business/sole propriety Close corporation Company (Pty) Limited [TICK APPLICABLE BOX]
9.5	DESCRIBE PRINCIPAL BUSINESS ACTIVITIES
9.6	COMPANY CLASSIFICATION
9.0	 □ Manufacturer □ Supplier □ Professional service provider □ Other service providers, e.g., transporter, etc. [TICK APPLICABLE BOX]
9.7	MUNICIPAL INFORMATION
	Municipality where business is situated:
	Registered Account Number:
	Stand Number:
9.8	Total number of years the company/firm has been in business:
9.9	I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in
	Reference No: B/SM 61/23 Page 33 of 135



paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor/Locality points has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram* partem (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution.

SIGNATURE OF BIDDER(S):		
WITNESS 1:	WITNESS 2:	
DATE:		
ADDRESS:		

Reference No:	B/SM 61/23	Page 34 of 135



PLEASE COMPLETE IN FULL TO CLAIM POINTS

SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE – GENERAL (DRAFT EXAMPLE)
(DO NOT USE. USE NEW/APPLICABLE TEMPLATE)

I, the undersigned,	
Full name & Surname	
Identity number	

Hereby declare under oath as follows:

- 1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
- 2. I am a Member / Director / Owner (**Select one**) of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name:	
Trading Name (If	
Applicable):	
Registration Number:	
Vat Number (If applicable)	
Enterprise Physical	
Address:	
Type of Entity (CC, (Pty)	
Ltd, Sole Prop etc.):	
Nature of Business:	
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation- i. before 27 April 1994; or
	ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"

Reference No:	B/SM 61/23	Page 35 of 135



Definition of "Black Designated Groups"	"Black Designated Groups means:
besignated Groups	(a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution;
	(b) Black people who are youth as defined in the National Youth Commission Act of 1996;
	(c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act;
	(d) Black people living in rural and underdeveloped areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"

Reference No: B/SM 61/23 Page 36 of 135



3. I ł	nereby declare under O	ath that:			
pr Pr (1 • Th Se Bi • Th Ar se	 The Enterprise is				
	 Black Youth % = 	=%			
	Black Disabled 9	% =%			
	Black Unemploy	red % =%			
	Black People liv	ing in Rural areas % =%			
	Black Military Ve	eterans % =%			
int ar • Pl	formation available on t nnual TotalRevenue wa	ancial Statements/Financial Statements and other the latest financial year-end of (DD/MM/YYYY), the s R10,000,000.00 (Ten Million Rands) or less allow table the B-BBEE Level Contributor, by ticking the			
1009	% Black Owned	Level One (135% B-BBEE procurement recognition level)			
l l	east 51% Black ned	Level Two (125% B-BBEE procurement recognition level)			
	than 51% Black	Level Four (100% B-BBEE procurement recognition level)			
th O	e prescribed oath and wners of the Enterprise	e contents of this affidavit and I have no objection to take consider the oath binding on my conscience and on the which I represent in this matter. e valid for a period of 12 months from the date r.			
		Deponent Signature:			
		Date :			
1	NB! ORIGIN	IALLY CERTIFIED/ NOT COPY			

Commissioner of Oaths Signature & stamp

Date:

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Reference No:	B/SM 61/23	Page 37 of 135



EXAMPLE OF POINT SCORING AND ALLOCATION OF PREFERENCE POINTS (80/20) WHERE LOCALITY AS A GOAL IS INCLUDED. STELLENBOSCH PREFERENTIAL PROCUREMENT POLICY.

<u> </u>			
BIDDER	PRICE	BBBEE LEVEL (VALID)	BUSINESS PREMISES (IN WC024)
TENDERER A	R 80 000	1	NO
TENDERER B	R 75 000	1	YES
TENDERER C	R 70 000	2	NO

BIDDER	PRICE POINTS (Out of 80)	BBBEE POINTS (Out of 10)	LOCALITY POINTS (Out of 10)	TOTAL POINTS (Out of 100)
TENDERER A	68.57	10	0	78.57
TENDERER B	74.29	10	10	94.29
TENDERER C	80	9	0	89

Reference No:	B/SM	61/23	Page 38 of 135
IVELETELICE INC.	D/ SIVI	01/23	i age 30 01 133 j



10. MBD 8 - DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1. This Municipal Bidding Document must form part of all bids invited.
- 2. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3. The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - 3.1. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
 - 3.2. been convicted for fraud or corruption during the past five years;
 - 3.3. willfully neglected, reneged on, or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - 3.4. 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).
- 4. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

4.1	Is the bidder or any of its directors listed on the National Treasury's database as a company or person prohibited from doing business with the public sector? (Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the audi alteram partem rule was applied).	Yes	No
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? (To access this Register enter the National Treasury's website, www.treasury.gov.za , click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).	Yes	No
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes	No

Reference No: B/SM 61/23 Page 39



	4.3.1	If so, fu	ırnish particula	rs:					
	4.4	municip	oal charges to t	he municipalit	ty / municipa	any municipal rates al entity, or to any oth an three months?		Yes	No
	4.4.1	If so, fu	ırnish particula	rs:					
	4.5	other o	s any contract between the bidder and the municipality / municipal entity or any er organ of state terminated during the past five years on account of failure to form on or comply with the contract?						
	4.5.1	If so, fu	ırnish particula	rs:					
5.	CERTIF	ICATION	I						
	I, the und	dersigned	d (full name), _					, certi	ify that
	the infor	mation fu	urnished on this	declaration f	form true an	d correct.			
				cellation of a	contract, ac	tion may be taken a	gainst me shoul	d this dec	laration
	prove to	be false.	•		ı				
SIG	SIGNATURE: NAME (PRINT):								
CA	CAPACITY: DATE:								
NA	ME OF F	FIRM:							

Reference No:	B/SM 61/23	Page 40 of 135



11. MBD 9 – CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1. This Municipal Bidding Document (MBD) must form part of all bids invited.
- 2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).⁴ Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
- 3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - 3.1. take all reasonable steps to prevent such abuse;
 - 3.2. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - 3.3. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

CERTIFICATE OF INDEPENDENT BID DETERMINATION:

In response to the invitation for the bid made by:

STELLENBOSCH MUNICIPALITY

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

- 1. I have read and I understand the contents of this Certificate;
- 2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
- 3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
- 4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
- 5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:

⁴ Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices, or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

Deference No.	D/CM C4/00	Dama 44 of 405
Reference No:	B/SM 61/23	Page 41 of 135



- 5.1. has been requested to submit a bid in response to this bid invitation;
- 5.2. could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
- 5.3. provides the same goods and services as the bidder and/or is in the same line of business as the bidder
- 6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium⁵ will not be construed as collusive bidding.
- 7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - 7.1. prices:
 - 7.2. geographical area where product or service will be rendered (market allocation)
 - 7.3. methods, factors, or formulas used to calculate prices;
 - 7.4. the intention or decision to submit or not to submit, a bid;
 - 7.5. the submission of a bid which does not meet the specifications and conditions of the bid; or
 - 7.6. bidding with the intention not to win the bid.
- 8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No. 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004 or any other applicable legislation.

SIGNATURE:	NAME (PRINT):	
CAPACITY:	DATE:	
NAME OF FIRM:		

Reference No:	B/SM 61/23	Page 42 of 135

⁵ 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.

DECLARATION IN TERMS OF CLAUSE 112(1) OF THE MUNICIPAL FINANCE MANAGEMENT ACT (No.56 OF 2003)	12. M BD	10 – CERT	IFICATE	FOR PAYMENT O	F MUN	ICIPAL SERV	ICES
acknowledge that according to SCM Regulation 38(1)(d)(f), the Municipality may reject the tender of the tender of any municipal rates and taxes or municipal service charges owed by the Tenderer or any of its directors/members/partners to the Stellenbosch Municipality, or to any other municipality or municipal entity, are in arrears for more than 3 (three) months. declare that I am duly authorised to act on behalf of	DECLARATION IN TERM	IS OF CLAUS	SE 112(1)		FINANC	CE MANAGEME	ENT ACT (NO.56
of the firm) and hereby declare, that to the best of my personal knowledge, neither the firm nor any director/member/partner of said firm is in arrears on any of its municipal accounts with any municipality in the Republic of South Africa, for a period longer than 3 (three) months. I further hereby certify that the information set out in this schedule and/or attachment(s) hereto is true and correct. The Tenderer acknowledges that failure to properly and truthfully complete this schedule may result in the tender being disqualified, and/or in the event that the tenderer is successful, the cancellation of the contract. PHYSICAL BUSINESS ADDRESS(ES) OF THE TENDERER MUNICIPAL ACCOUNT NUMBER FURTHER DETAILS OF THE BIDDER'S Director / Shareholder / Partners, etc.: Director / Shareholder / partner Physical address of the Business Municipal Account number(s) Municipal Account number(s) Municipal Account number(s) Municipal Account number(s) Please attach certified copy (ies) of ID document(s) and Municipal Accounts If the entity or any of its Directors/Shareholders/Partners, etc. rents/leases premises, a copy of the rental/lease agreement or sworn affidavit must be submitted with this tender. PLEASE SUBMIT MUNICIPAL ACCOUNTS FOR THE FOLLOWING TWO MONTHS AFTER BID CLOSURE TO THE RELEVANT SCM PRACTITIONER SHOULD THE BID NOT BE AWARDED YET.	acknowledge that according to SCM Regulation 38(1)(d)(i), the Municipality 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 Stellenbosch Municipality, or to any other municipality or municipal entity, are in						
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Signature Position Date	Directors/Shareholders/Partners, etc. rents/leases premises, a copy of the rental/lease agreement or sworn affidavit must be submitted with this tender. • PLEASE SUBMIT MUNICIPAL ACCOUNTS FOR THE FOLLOWING TWO MONTHS AFTER BID						
Signature Position Date							
	Signature		Position Date				

Reference No:	B/SM 61/23	Page 43 of 135



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13. SPECIFICATIONS

<u>Please note that these specifications also include tender conditions and contractual conditions, specific to this tender.</u>

SECTION A - GENERAL

A.1 Scope of Contract

This contract is for the supply, delivery and offloading of water and sewer pipes and fittings, in accordance with the requirements of these documents and as detailed in the Pricing Schedule.

No quantities are specified, and material will be ordered as and when required.

A.2 Site of Delivery

All material must be delivered to the Municipal Stores, Beltana Depot, Helshoogte Road, Stellenbosch or as otherwise specified.

When tendering, the tenderer shall state the basis of delivery, if not stated it will be assumed that delivery shall be to the Municipal Stores, Beltana Depot, Stellenbosch.

Delivery must be within 14 days after receipt of an official order unless a specific item has a longer delivery period and must be indicated in the pricing schedule.

Note: Tender prices must include all delivery and offloading costs.

A.3 Working Hours

The working hours of the Council's outside staff and of the Municipal Stores are as follows: -

Monday to Thursday: 08h00 to 13h00 and 13h30 to 16h30 Friday: 08h00 to 13h00 and 13h30 to 16h30

Deliveries can only be accepted during these hours unless previous arrangements have been made with the official in charge of the Stores or with the Superintendent in charge of the site to which the goods must be delivered and no claim from the Contractor resulting from non-compliance with this condition will be considered by the Council.

A.4 Price Adjustment of Tendered Rates

The tendered rates shall be adjusted for escalation as follows:

The tendered rates shall not be subject to any escalation prior to 1 July 2024.

Between 1 July 2024 and 30 June 2025, the tendered rates shall be multiplied by an Escalation Factor calculated by dividing the Consumer Price Index for June 2024 by the Consumer Price Index for the Base Month.

Between 1 July 2025 and 30 June 2026, the tendered rates shall be multiplied by an Escalation Factor calculated by dividing the Consumer Price Index for June 2025 by the Consumer Price Index for the Base Month.

The Consumer Price Index (CPI) for a particular month shall be the Statistical Release P0141 Consumer Price Index (CPI) published by Statistics South Africa (Stats SA) – Table A - All Items (CPI Headline) for that month.

The Base Month shall be the month prior to the tender closing date.

A.5 Bid Evaluation and Award

Reference No:	B/SM 61/23	Page 45 of 135



All tenders will be evaluated according to the General Conditions of Tender. Each Item in the Pricing Schedule will be scored for each qualifying tenderer in accordance with the **80/20 Preference Point System** described in Section 9 – MBD6.1 – Preference Points Claim Form.

Of the 20 points, 10 points will be allocated to BBBEE and 10 points to locality.

The tenderer with the highest total of price plus preference points, for an item, will be awarded as preferred Supplier for that item.

A total of three tenderers will be ranked per item. If the first tenderer cannot supply as per the tendered rate, the second bidder will be approached. The same with the third bidder provided that their prices are market related.

The Municipality will sign Contract Forms with all successful tenderers as per the above ranking.

A.6 Failure to Deliver

Should a supplier fail to deliver a specific item in accordance with A.2 three times, the supplier will be removed from the ranking for that item.

SECTION B - TECHNICAL SPECIFICATIONS

The following minimum technical specifications are applicable and must be complied with:

B.1 Marking: SABS or JASWIC

The length, diameter and working pressure or class shall be clearly marked on all pipes, fittings and items delivered.

Where applicable, the SABS mark shall be clearly marked.

Item No. - The item number to be used are those appearing in the Pricing Schedule.

Copies of JASWIC or SANS - certificates on all relevant items must be submitted at tender stage.

B.2 Tests

All items to be supplied under this contract shall be subjected to such tests and inspections at the place of manufacture, all as required and stipulated in the relevant Standard Specifications and any other tests necessary to meet with the requirements, the costs of which shall be included in the prices quoted.

Materials that are tested and inspected, and found to be inferior by the Infrastructure Director, will not be accepted.

B.3 Removing and replacing of faulty items or items that conform to the specifications

All goods found broken or damaged on unpacking from railway or other trucks or any item/fitting which may fail by any cause other than due to faulty installation, which may have passed the pressure test at the manufacture's works, shall be replaced without delay by the Contractor.

In the event of replacement items being delivered during or at the end of the period of upholding, the full value of such items will be withheld and payment will only be made after the Employer is satisfied that such material complies in all respects with the specifications.

B.4 Alternatives Offers

Any offers based on different standards shall be accompanied by a <u>guarantee</u> and the <u>technical</u> <u>specifications</u> indicating that such materials and goods are at least equivalent in all respects to those manufactured in terms of these specifications.

	Reference No: B/SM 61/23 Page 46 of 1	35
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In the event of any deviation from the minimum specifications, the bidder must attach details thereof to this bid document.

Copies of the relevant JASWIC or EN or SABS certificates must be submitted at tender stage. Samples of item, if requested must be provided for inspection within 3 days' notice.

Failure to comply will result in the disqualification of the tender.

B.5 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. No offer will be considered if the abovementioned information is not included at tender stage.

B.6 Alternative Item Delivery

Only items as indicated by the tenderer in the Pricing Schedule may be delivered. No dual make/model and size will be allowed to be delivered under an item description. Alternative items to the same specification can be submitted at tender stage and must be clearly indicated as an alternative and with the item reference number.

B.7 Acceptance and approval of items

Rates for materials will be rejected or not accepted on the following grounds:

- B.7.1 If the items do not comply to Stellenbosch Municipality standards or with the specifications in the tender.
- B.7.2 The relevant certificates and proof of compliance/ specification was not submitted at tender stage.
- B.7.3 If more than one manufacturer/make was indicated on any particular item line.
- B.7.4 If the make/type/model was not indicated on any particular item line.
- B.7.5 If items are not tested and/or installed on a Stellenbosch Municipality project.
- B.7.6 If items where applicable, do not comply with the stipulated designated minimum local content threshold.

B.8 Alternative Items

Should the circumstances warrant it, the Stellenbosch Municipality reserves the right to order any particular make, type, or model of item to replace existing infrastructure with the same.

SECTION C - MATERIALS SPECIFICATIONS - WATER AND SEWER PIPES AND FITTINGS

C.1 UPVC AND PVC-O PIPES AND FITTINGS

UPVC pipes are of Unplasticised Poly Vinyl Chloride material and PVC-O pipes are of Orientated Unplasticised Poly Vinyl Chloride material. All PVC pressure pipes shall comply with the relevant SABS standards, SAPPMA certification and to the class as specified/indicated in the schedule. Each pipe shall be supplied with a socketed and spigot end. All pipe lengths shall bear the SABS/SANS mark on each pipe length. (Compliance only to the SABS specification will not be accepted). Current/valid SABS certificate of material must be submitted at tender stage and must be attached to the tender offer.

The following SABS standards shall be applicable: -

- SANS 966 Part 1 Pressure pipe systems (PVC-U)
- SANS 791 Sewerage pipe systems (PVC–U Class 34 (Heavy Duty solid wall) only)
- SANS 16422: Pressure pipe systems (PVC-O)

Only six (6) metre in length pipes shall be accepted.

Reference No:	B/SM 61/23	Page 47 of 135



Pressure pipes shall be Class 12 or Class 16 as scheduled.

UPVC bends shall be Class 16.

The relevant manufactured/specifications/SANS-SABS or SAPPMA certificates must be submitted at tender stage.

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

C.2 HDPE (High Density Polyethylene) PIPES AND FITTINGS

All HDPE pipes shall comply with the relevant SABS standards and to the class as specified/indicated in the schedule. All pipe lengths shall bear the SABS/SANS mark on each pipe length. Note that standard lengths of pipes vary between 6 metres and 50 metres or as specified in the tender schedule.

The following SABS standards shall be applicable: -

- SANS ISO 4427 High Density Polyethylene Piping Plain ended pipes.
- SANS 10268-2 Welding of Thermoplastics Welding Processes Electrofusion welding
- SANS 21138, SANS 4427 & ISO 9969 PE Structured Wall Sewer Pipes (Note that all pipes must be spigoted and socketed with a rubber seal)

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

(Compliance <u>only</u> to the SANS specification will not be accepted). Current/valid SABS or ISO/EN certificate(s) 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 (manufacturers name), type, model and any other details for all items offered in the Pricing Schedule.

C.3 DUCTILE IRON PIPES

All Ductile iron pipe shall comply to the relevant SABS/EN standards and to the class as specified/indicated in the schedule. Each pipe shall be supply with a socket and a spigot end.

All pipe lengths shall bear the SABS or EN mark on each pipe length.

Ductile iron pipes and fittings must be cement lined internally and zinc coated externally to SANS/EN/ISO standards.

The following SABS/EN standards shall be applicable: -

- SANS 1835, SANS 50545 & SANS 2531: Class K9 Pressure pipe systems (DI K9)
- SANS 1835 & SANS 50598: Class K7 Sewerage pipe systems (DI K7)
- ISO 4179: Cement mortar lining
- SANS 8179: External zinc coating
- SANS 8180: Polyethylene sleeving
- SANS 52842: Ductile Iron fittings for PVC-U and PE piping systems

(Compliance only to the SABS specification will not be accepted). 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.

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

Reference No:	B/SM 61/23	Page 48 of 135
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C.4 CAST IRON/DUCTILE IRON SPECIALS AND FITTINGS FOR PIPES

All cast iron specials and fittings shall comply with SANS 546 and shall be suitable for a working pressure of 1,6 MPa and tested to 2,4 MPa unless stated differently in the Pricing Schedule.

All flanged sections shall be drilled to BS 10/1962 Table D up to 250 mm diameter in size and Table 1600/3 SANS 1123 from 300 mm diameter and larger in size.

All cast iron and ductile iron fittings and specials must have a Fusion Bonded Epoxy (FBE) protective coating or similar approved flexible coating to SANS 1217 and to minimum coating thickness of 250 micron (250 μ m). All approved product coatings should be specified in the Pricing Schedule indicating make and micron thickness.

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

C.5 STAINLESS STEEL FITTINGS

All items shall be manufactured from Grade 304 or Grade 316 Stainless Steel material. No coating is required. All grit, oily material and welding residue must be removed from finished items.

Items shall be welded on both sides of any seam. Surface of the flange(s) must be 100% flat in all directions.

Stainless steel pipe fittings for FC Fibre Cement (FC) COD (Constant Outside Diameter) pipes shall have plain ends.

Flanged ends shall be drilled to BS 10/1962 Table D up to 250 mm diameter in size and Table 1600/3 SANS 1123 from 300 mm diameter and larger in size.

Each item tendered for shall have a pressure rating of at least 16 MPa. Tenderers shall state the pipe wall thickness and pressure rating (at 37°) of each item priced.

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

C.6 DUCTILE IRON, CAST IRON, STEEL AND STAINLESS STEEL COUPLINGS FOR PIPES AND FITTINGS

Viking Johnson type couplings shall be Kamflex Ranger or Thomas Unifit or similar approved couplings. 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 μ m). 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 16.

Ductile iron or cast iron constant O.D. Short Collar Repair type couplings for pipes smaller than 600 mm diameter, suitably covered with an approved bituminous compound or Fusion Bonded Epoxy coating after manufacture and shall be suitable for a working pressure of 1,6 MPa and tested to 2,4 MPa. Bolts and nuts shall be stainless steel Grade 316.

Stainless Steel clamps and saddles shall be Cascade or Ultra or similar approved clamps. The clamps shall have a pressure rating of at least 16 MPa 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 304 or 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. O-Ring gasket type clamps are not permitted.

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

Reference No: B/SM 61/23	Page 49 of 135
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C.7 FIBRE CEMENT MATERIALS

The chambers, channels, junctions, splits, and bends used for the construction and installation of sewer connections and manholes must be free of asbestos.

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

C.8 PRECAST CONCRETE MANHOLES

All components for precast concrete manholes shall comply with SANS 1294.

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

C.9 MANHOLE COVERS AND FRAMES

Manhole covers and frames shall be heavy duty Type 2A Modified of cast iron in accordance with SANS 558 or SANS 50124, ductile iron in accordance with SANS 50124 or polymer concrete in accordance with SANS 1882 and SANS 50124. The covers and frames shall be heavy duty to withstand a 400 kN test load. Ductile iron covers shall be hinged with a rubber seal between the cover and the frame preventing the ingress of rainwater into the manhole, or similar approved.

Rectangular manhole covers and frames (Type 9 - 450 mm x 600 mm) shall be ductile iron with a single seal, light duty, medium duty and heavy duty, in accordance with SANS 558 and SANS 50124. A polymer concrete replacement cover in accordance with SANS 1882 and EN 50124 has also been scheduled.

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

C.10 WATER SURFACE BOXES

Polyamide Nylon (PA) Bell Tobies shall be the AVK Series 80/31 (or similar approved) with a fixed height of (270 mm) in accordance with DIN 4056. The tops shall be round with cast iron or synthetic lids as specified. The box shall have a retaining pin (or bolt) that allows the lid to be lifted out of the way but be firmly attached to the box body (chains or cables are not acceptable).

The Ductile Iron Bell Tobies shall be of the SANS 558 Type 3A (300 mm high) and in accordance with SANS 50124. The box shall have a retaining pin (or bolt) that allows the lid to be lifted out of the way but be firmly attached to the box body (chains are not acceptable).

The Ductile Iron Hydrant Boxes shall be of the SANS 558 Type 5 and in accordance with SANS 50124. Two types of covers are scheduled, one with a loose cover and one with a cover that slides inside the frame.

The Ductile Iron manhole cover and frame 900 mm x 450 mm, snap closing with two hinges, shall be of the Sanspar type or similar approved, manufactured to SANS 50124 Class B125.

C.11 TEES AND EXTENSION PIECES

All hydrant tees shall have flanged branches drilled to suit hydrant drilling.

All other tees and extension pieces with flanged sections shall be drilled to BS 10/1962 Table D up to 250 mm diameter in size and Table 1600/3 from 300 mm diameter and larger in size. The items shall have a pressure rating of at least 16 MPa.

Reference No:	B/SM 61/23	Page 50 of 135



Only cast iron or ductile iron or stainless steel grade 316 extension pieces will be accepted. No mild steel, galvanized or FBE or cement lined items will be accepted. Only PLASCOATED or similar approved flexible coatings will be accepted.

All approved product coatings should be specified in the Pricing Schedule indicating make and micron thickness.

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

C.12 FC MANHOLE INVERT CHANNELS

Manhole invert channels shall be of fibre cement. The outside of the channels shall be a rough finish for adhesion and the inner surface shall be smooth. The channels shall be half round. Straights, tapers, bends, and junctions have been scheduled in sizes 100 mm, 150 mm, 200 mm and 250 mm diameter.

Tenderers must specify in the Pricing Schedule what type/make of product is offered

Reference No:	B/SM 61/23	Page 51 of 135
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14. SCHEDULE OF WORK EXPERIENCE OF THE TENDERER - CURRENT CONTRACTS

CURRENT CONTRACTS					
EMPLOYER (Name, Tel, Fax, Em	nail) (N	Contact Person Iame, Tel, Fax, Email)	NATURE OF WORK	VALUE OF WORK (INCL. VAT)	DATE COMPLETED
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel		1		
Fax	Fax				
Email	Email				

Attach additional pages if mores space is required.

Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)				
SIGNATURE		NAME (PRINT)		
CAPACITY		DATE		
NAME OF FIRM				

Reference No:	B/SM 61/23	Page 52 of 135
Reference No.	D/3W 01/23	Fage 52 01 155



15. SCHEDULE OF WORK EXPERIENCE OF THE TENDERER - COMPLETED CONTRACTS

The following is a statement of similar work successfully executed by myself / ourselves:

	COMPLETED CONTRACTS				
EMPLOYER (Name, Tel, Fax, E		Contact Person Name, Tel, Fax, Email)	NATURE OF WORK	VALUE OF WORK (INCL. VAT)	DATE COMPLETED
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
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Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email				
Name	Name				
Tel	Tel				
Fax	Fax				
Email	Email]		

Attach additional pages if mores space is required.

Number of sheets appended by the tenderer to this schedule (If nil, enter NIL)				
SIGNATURE		NAME (PRINT)		
CAPACITY		DATE		
NAME OF FIRM				

Reference No:	B/SM 61/23	Page 53 of 135

16. PRICING SCHEDULE

NOTE:

- 1. Only firm prices will be accepted. Non-firm prices will not be considered.
- 2. All delivery costs MUST be included in the bid price, for delivery and offloading at the prescribed destination.
- 3. Document MUST be completed in non-erasable black ink.
- 4. A USB stick with the completed pricing schedule should be provided. If there is a discrepancy between the electronic and hard copy pricing schedule, the hard copy will prevail.
- 5. NO correction fluid/tape may be used.
 - a. In the event of a mistake having been made, it shall be crossed out in ink and be accompanied by an initial at each and every alteration.
- 6. The Bidder MUST indicate whether he/she/the entity is a registered VAT Vendor or not.
 - a. In the case of the Bidder not being a registered VAT Vendor, both columns (amount/rate including VAT) must reflect the same amount.
 - b. A compulsory clarification meeting will be held at Beltana depot. See tender advertisement.

I / We			
(full name of Bidder) the undersigned in my capacity as			
of the firm			
hereby offer to Stellenbosch Municipality to render the services	as described, in accord	dance with the speci	fication
and conditions of contract to the entire satisfaction of the Stellen	bosch Municipality and	I subject to the condi	tions of
tender, for the amounts indicated hereunder:			
	INDICATE	WITH AN 'X'	
Are you/is the firm a registered VAT Vendor	YES	NO	

Please note the following:

If "YES", please provide VAT number

- 1. Stellenbosch Municipality reserves the right to downward adjust the scope of work/ quantity required to stay within its budget.
- 2. Only firm prices will be accepted, and non-firm prices will not be considered.
- 3. Tenderers can price on any or all items.
- 4. Escalation will be applied to the rates in accordance with Clause A4 of Section 18. Specifications.

SIGNATURE	NAME (PRINT)	
CAPACITY	DATE	
NAME OF FIRM		

Reference No: B/SM 61/23 Page	54 of 135
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- 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. No offer will be considered if the
 abovementioned information is not included at tender stage.
- 6. Stellenbosch Municipality may award this tender for a period of three years dependent on budget availability for year three.
- 7. RATES SHALL INCLUDE VAT.
- 8. Tenders must be accompanied by the completed Tender Document (hardcopy), as well as a USB memory stick containing a whole completed Schedule of Rates in Excel format (softcopy).

PRICING SCHEDULE:

SIGNATURE	NAME (PRINT)	
CAPACITY	DATE	
NAME OF FIRM		

	A. WATER PIPES AND FITTINGS				
Item	UPVC WATER PIPES complete with socket and rubber seal (Specification C.1)	Unit	Make, type, model, and other details	Rate	
	UPVC Class 12 in 6 m lengths				
A.1	75 mm diameter	6 m			
A.2	90 mm	6 m			
A.3	110 mm	6 m			
A.4	160 mm	6 m			
A.5	200 mm	6 m			
A.6	250 mm	6 m			
A.7	315 mm	6 m			
A.8	355 mm	6 m			
A.9	400 mm	6 m			
A.10	450 mm	6 m			
A.11	500 mm	6 m			
	UPVC Class 16 in 6 m lengths				
A.12	75 mm diameter	6 m			
A.13	90 mm	6 m			
A.14	110 mm	6 m			

Reference No: B/SM 61/2 Page 56 of 135
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A.15	160 mm	6 m	
A.16	200 mm	6 m	
A.17	250 mm	6 m	
A.18	315 mm	6 m	
A.19	355 mm	6 m	
A.20	400 mm	6 m	
A.21	450 mm	6 m	
A.22	500 mm	6 m	
	UPVC WATER PIPES Class 12 in 4 m lengths		
A.23	to suit 50 mm Ø COD FC pipe	4 m	
A.24	to suit 75 mm Ø COD FC pipe	4 m	
A.25	to suit 100 mm Ø COD FC pipe	4 m	
A.26	to suit 150 mm Ø COD FC pipe	4 m	
A.27	to suit 200 mm Ø COD FC pipe	4 m	
A.28	to suit 225 mm Ø COD FC pipe	4 m	
A.29	to suit 250 mm Ø COD FC pipe	4 m	
A.30	to suit 300 mm Ø COD FC pipe	4 m	
	PVC-O WATER PIPES		
	Class 12 in 6 m lengths		
	complete with socket and rubber seal		

Reference No: B/SM 61/2	Page 57 of 135
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	(Specification C.1)		
A.31	110 mm diameter	6 m	
A.32	160 mm	6 m	
A.33	200 mm	6 m	
A.34	250 mm	6 m	
A.35	315 mm	6 m	
	BENDS (LONG RADIUS) - UPVC FOR PVC WATER PIPES (Specification C.1)		
	Bends fabricated using Class 16 pipes		
	SPIGOT TO SOCKET		
	UPVC BENDS 90º (Long) Spigot to Socket		
A.36	50 mm diameter	each	
A.37	75 mm	each	
A.38	100 mm	each	
A.39	160 mm	each	
A.40	200 mm	each	
A.41	250 mm	each	
A.42	300 mm	each	
A.43	355 mm	each	
A.44	400 mm	each	
A.45	450 mm	each	

Reference No:	B/SM 61/2	Page 58 of 135

A.46	500 mm	each	
	UPVC BENDS 45° (Long) Spigot to Socket		
A.47	50 mm diameter	each	
A.48	75 mm	each	
A.49	100 mm	each	
A.50	160 mm	each	
A.51	200 mm	each	
A.52	250 mm	each	
A.53	300 mm	each	
A.54	355 mm	each	
A.55	400 mm	each	
A.56	450 mm	each	
A.57	500 mm	each	
	UPVC BENDS 22½0 (Long)		
	Spigot to Socket		
A.58	50 mm diameter	each	
A.59	75 mm	each	
A.60	100 mm	each	
A.61	160 mm	each	
A.62	200 mm	each	

Reference No:	B/SM 61/2	Page 59 of 135
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A.63 250 mm each A.64 300 mm each A.65 355 mm each A.66 400 mm each A.67 450 mm each A.68 500 mm each DPVC BENDS 11½° (Long) Spigot to Socket A.69 50 mm diameter each A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each A.79 500 mm A.70 each A.71 400 mm A.72 each A.73 450 mm A.74 450 mm A.75 500 mm A.76 355 mm A.77 400 mm A.78 450 mm A.79 500 mm A.70 each				
A.65 355 mm each A.66 400 mm each A.67 450 mm each A.68 500 mm each UPVC BENDS 11½° (Long) Spigot to Socket A.69 50 mm diameter each A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.63	250 mm	each	
A.66 400 mm each A.67 450 mm each A.68 500 mm each UPVC BENDS 111½ (Long) Spigot to Socket A.69 50 mm diameter each A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.64	300 mm	each	
A.67 450 mm each A.68 500 mm each UPVC BENDS 11½° (Long) Spigot to Socket A.69 50 mm diameter each A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.65	355 mm	each	
A.68 500 mm each UPVC BENDS 111½° (Long) Spigot to Socket each A.69 50 mm diameter each A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.66	400 mm	each	
UPVC BENDS 11½° (Long) Spigot to Socket each A.69 50 mm diameter each A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.67	450 mm	each	
Spigot to Socket each A.69 50 mm diameter each A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.68	500 mm	each	
Spigot to Socket each A.69 50 mm diameter each A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each		UPVC BENDS 11¼0 (Long)		
A.70 75 mm each A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each				
A.71 100 mm each A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.69	50 mm diameter	each	
A.72 160 mm each A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.70	75 mm	each	
A.73 200 mm each A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.71	100 mm	each	
A.74 250 mm each A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.72	160 mm	each	
A.75 300 mm each A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.73	200 mm	each	
A.76 355 mm each A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.74	250 mm	each	
A.77 400 mm each A.78 450 mm each A.79 500 mm each	A.75	300 mm	each	
A.78 450 mm each A.79 500 mm each	A.76	355 mm	each	
A.79 500 mm each	A.77	400 mm	each	
	A.78	450 mm	each	
	A.79	500 mm	each	
SPIGOT TO SPIGOT		SPIGOT TO SPIGOT		

Reference No:	B/SM 61/2	Page 60 of 135
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	UPVC BENDS 90° (Long) Spigot to Spigot		
A.80	50 mm diameter	each	
A.81	75 mm	each	
A.82	100 mm	each	
A.83	160 mm	each	
A.84	200 mm	each	
A.85	250 mm	each	
A.86	300 mm	each	
A.87	355 mm	each	
A.88	400 mm	each	
A.89	450 mm	each	
A.90	500 mm	each	
	UPVC BENDS 45º (Long) Spigot to Spigot		
A.91	50 mm diameter	each	
A.92	75 mm	each	
A.93	100 mm	each	
A.94	160 mm	each	
A.95	200 mm	each	
A.96	250 mm	each	

Reference No:	B/SM 61/2	Page 61 of 135
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	Spigot to Spigot		
	UPVC BENDS 11¼º (Long)		
A.112	500 mm	each	
A.111	450 mm	each	
A.110	400 mm	each	
A.109	355 mm	each	
A.108	300 mm	each	
A.107	250 mm	each	
A.106	200 mm	each	
A.105	160 mm	each	
A.104	100 mm	each	
A.103	75 mm	each	
A.102	50 mm diameter	each	
	Spigot to Spigot		
A. 101	UPVC BENDS 22½º (Long)	each	
A.100	500 mm		
A.100	450 mm	each	
A.99	400 mm	each	
A.97 A.98	300 mm 355 mm	each each	

Reference No:	B/SM 61/2	Page 62 of 135
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	A.113	50 mm diameter	each	
	A.114	75 mm	each	
	A.115	100 mm	each	
	A.116	160 mm	each	
	A.117	200 mm	each	
	A.118	250 mm	each	
	A.119	300 mm	each	
	A.120	355 mm	each	
	A.121	400 mm	each	
	A.122	450 mm	each	
	A.123	500 mm	each	
		SOCKET TO SOCKET		
		UPVC BENDS 90º (Long) Socket to Socket		
	A.124	50 mm diameter	each	
	A.125	75 mm	each	
	A.126	100 mm	each	
	A.127	160 mm	each	
	A.128	200 mm	each	
	A.129	250 mm	each	
-				

Reference No:	B/SM 61/2	Page 63 of 135
Reference No.	DISINI VIIZ	raye 03 01 133

A.130	300 mm	each	
A.131	355 mm	each	
A.132	400 mm	each	
A.133	450 mm	each	
A.134	500 mm	each	
	UPVC BENDS 45º (Long) Socket to Socket		
A.135	50 mm diameter	each	
A.136	75 mm	each	
A.137	100 mm	each	
A.138	160 mm	each	
A.139	200 mm	each	
A.140	250 mm	each	
A.141	300 mm	each	
A.142	355 mm	each	
A.143	400 mm	each	
A.144	450 mm	each	
A.145	500 mm	each	
	UPVC BENDS 22½º (Long)		
	Socket to Socket		
A.146	50 mm diameter	each	
		*	

Reference No:	B/SM 61/2	Page 64 of 135
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75 mm			
	each		
100 mm	each		
160 mm	each		
200 mm	each		
250 mm	each		
300 mm	each		
355 mm	each		
400 mm	each		
450 mm	each		
500 mm	each		
UPVC BENDS 11¼° (Long)			
Socket to Socket			
50 mm diameter	each		
75 mm	each		
100 mm	each		
160 mm	each		
200 mm	each		
250 mm	each		
300 mm	each		
	200 mm 250 mm 300 mm 355 mm 400 mm 450 mm 500 mm UPVC BENDS 11¼° (Long) Socket to Socket 50 mm diameter 75 mm 100 mm 160 mm 200 mm	160 mm each 200 mm each 250 mm each 300 mm each 355 mm each 400 mm each 450 mm each 500 mm each UPVC BENDS 11¼° (Long) Each 50 mm diameter each 75 mm each 100 mm each 200 mm each 250 mm each	160 mm

Reference No:	B/SM 61/2	Page 65 of 135
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55 mm	each		
00 mm	each		
50 mm	each		
00 mm	each		
IPVC ADAPTORS FOR WATER SYSTEMS			
Specification C.1)			
AC to PVC Class 12			
63 mm AC to 50 mm PVC	each		
95 mm AC to 75 mm PVC	each		
21 mm AC to 110 mm PVC	each		
49 mm AC to 200 mm PVC	each		
77 mm AC to 150 mm PVC	each		
32 mm AC to 200 mm PVC	each		
59 mm AC to 250 mm PVC	each		
84 mm AC to 250 mm PVC	each		
86 mm AC to 250 mm PVC	each		
95 mm AC to 250 mm PVC	each		
04 mm AC to 250 mm PVC	each		
28 mm AC to 315 mm PVC	each		
45 mm AC to 315 mm PVC	each		
9 2 4 7 7 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	PVC ADAPTORS FOR WATER SYSTEMS pecification C.1) C to PVC Class 12 3 mm AC to 50 mm PVC 5 mm AC to 75 mm PVC 11 mm AC to 110 mm PVC 9 mm AC to 200 mm PVC 12 mm AC to 150 mm PVC 13 mm AC to 250 mm PVC 14 mm AC to 250 mm PVC 15 mm AC to 250 mm PVC 16 mm AC to 250 mm PVC 17 mm AC to 250 mm PVC 18 mm AC to 250 mm PVC 19 mm AC to 250 mm PVC	PVC ADAPTORS FOR WATER SYSTEMS pecification C.1) C to PVC Class 12 3 mm AC to 50 mm PVC each 5 mm AC to 75 mm PVC each 11 mm AC to 110 mm PVC each 12 mm AC to 200 mm PVC each 12 mm AC to 150 mm PVC each 13 mm AC to 250 mm PVC each 14 mm AC to 250 mm PVC each 15 mm AC to 250 mm PVC each 16 mm AC to 250 mm PVC each 17 mm AC to 250 mm PVC each 18 mm AC to 250 mm PVC each 19 mm AC to 250 mm PVC each 19 mm AC to 250 mm PVC each 19 mm AC to 250 mm PVC each 10 mm AC to 250 mm PVC each 10 mm AC to 250 mm PVC each 11 mm AC to 250 mm PVC each 12 mm AC to 250 mm PVC each 13 mm AC to 250 mm PVC each 14 mm AC to 250 mm PVC each 15 mm AC to 250 mm PVC each 16 mm AC to 250 mm PVC each 17 mm AC to 250 mm PVC each 18 mm AC to 315 mm PVC	each PVC ADAPTORS FOR WATER SYSTEMS pecification C.1) C to PVC Class 12 3 mm AC to 50 mm PVC each 1 mm AC to 110 mm PVC each 9 mm AC to 200 mm PVC each 2 mm AC to 200 mm PVC each 9 mm AC to 250 mm PVC each 6 mm AC to 315 mm PVC

Reference No:	B/SM 61/2	Page 66 of 135
Reference No.	DISIVI 01/2	rage 00 01 133

A.181	412 mm AC to 355 mm PVC	each	
	BENDS (SHORT RADIUS)		
	DUCTILE IRON/CAST IRON FOR PVC PIPES		
	(Specification C.4)		
	SOCKETED		
	DI/CI BENDS 90° (Short) Socketed		Indicate Coating:
A.182	50 mm diameter	each	
A.183	75 mm	each	
A.184	100 mm	each	
A.185	160 mm	each	
A.186	200 mm	each	
A.187	250 mm	each	
A.188	300 mm	each	
A.189	355 mm	each	
A.190	400 mm	each	
A.191	450 mm	each	
A.192	500 mm	each	
	DI/CI BENDS 45° (Short) Socketed		Indicate Coating:
A.193	50 mm diameter	each	
A.194	75 mm	each	

Reference No:	B/SM 61/2	Page 67 of 135

A.195 100 mm each A.196 160 mm each A.197 200 mm each A.198 250 mm each A.199 300 mm each A.200 355 mm each A.201 400 mm each A.202 450 mm each A.203 500 mm each A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.210 300 mm each A.211 355 mm each A.212 400 mm each					
A.197 200 mm each A.198 250 mm each A.199 300 mm each A.200 355 mm each A.201 400 mm each A.202 450 mm each A.203 500 mm each DI/CI BENDS 22½° (Short) Socketed Indicate Coating: A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.195	100 mm	each		
A.198 250 mm each A.199 300 mm each A.200 355 mm each A.201 400 mm each A.202 450 mm each A.203 500 mm each DVCI BENDS 22½° (Short) Socketed Indicate Coating: A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.196	160 mm	each		
A.199 300 mm each A.201 355 mm each A.201 400 mm each A.202 450 mm each A.203 500 mm each DI/CI BENDS 22½° (Short) Socketed Indicate Coating: A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.197	200 mm	each		
A.200 355 mm each A.201 400 mm each A.202 450 mm each A.203 500 mm each DI/CI BENDS 22½° (Short) Socketed Indicate Coating: A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.198	250 mm	each		
A.201 400 mm each A.202 450 mm each A.203 500 mm each DI/CI BENDS 22½° (Short) Socketed Indicate Coating: A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.199	300 mm	each		
A.202 450 mm each A.203 500 mm each DI/CI BENDS 22½° (Short) Socketed Indicate Coating: A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.200	355 mm	each		
A.203 500 mm each DI/CI BENDS 22½° (Short) Socketed A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.201	400 mm	each		
DI/CI BENDS 22½° (Short) Socketed Indicate Coating: A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.202	450 mm	each		
A.204 50 mm diameter each A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.203	500 mm	each		
A.205 75 mm each A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each		DI/CI BENDS 221/20 (Short) Socketed		Indicate Coating:	
A.206 100 mm each A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.204	50 mm diameter	each		
A.207 160 mm each A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.205	75 mm	each		
A.208 200 mm each A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.206	100 mm	each		
A.209 250 mm each A.210 300 mm each A.211 355 mm each	A.207	160 mm	each		
A.210 300 mm each A.211 355 mm each	A.208	200 mm	each		
A.211 355 mm each	A.209	250 mm	each		
	A.210	300 mm	each		
A.212 400 mm each	A.211	355 mm	each		
<u> </u>	A.212	400 mm	each		

Reference No:	B/SM 61/2	Page 68 of 135
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A.213	450 mm	each	
A.214	500 mm	each	
	DI/CI BENDS 111/4° (Short) Socketed		Indicate Coating:
A.215	50 mm diameter	each	
A.216	75 mm	each	
A.217	100 mm	each	
A.218	160 mm	each	
A.219	200 mm	each	
A.220	250 mm	each	
A.221	300 mm	each	
A.222	355 mm	each	
A.223	400 mm	each	
A.224	450 mm	each	
A.225	500 mm	each	
	FLANGED		
	DI/CI BENDS 90° (Short) Flanged		Indicate Coating:
A.226	50 mm diameter	each	
A.227	75 mm	each	
A.228	100 mm	each	
A.229	160 mm	each	

Reference No:	B/SM 61/2	Page 69 of 135
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Reference No: B/SM 61/2	Page 70 of 135
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	TEES DUCTILE IRON/CAST IRON FOR PVC PIPEWORK		
	(Specification C.4)		
	DI/CI EQUAL TEE All Socketed		
A.248	90 mm diameter	each	
A.249	110 mm	each	
A.250	160 mm	each	
A.251	200 mm	each	
A.252	250 mm	each	
A.253	315 mm	each	
	DI/CI UN-EQUAL TEE All Socketed		
A.254	110 x 75 mm diameter	each	
A.255	110 x 90 mm	each	
A.256	160 x 75 mm	each	
A.257	160 x 90 mm	each	
A.258	160 x 110 mm	each	
A.259	200 x 75 mm	each	
A.260	200 x 90 mm	each	
A.261	200 x 110 mm	each	
A.262	200 x 160 mm	each	

Reference No:	B/SM 61/2	Page 71 of 135
Reference No.	DISIVI 01/2	rage / Loi 133

A.263	250 x 75 mm	each		
A.264	250 x 90 mm	each		
A.265	250 x 110 mm	each		
A.266	250 x 160 mm	each		
A.267	250 x 200 mm	each		
A.268	315 x 75 mm	each		
A.269	315 x 90 mm	each		
A.270	315 x 110 mm	each		
A.271	315 x 160 mm	each		
A.272	315 x 200 mm	each		
A.273	315 x 250 mm	each		
	DI/CI EQUAL TEE Main Barrel Socketed Branch Flanged			
A.274	90 mm diameter	each		
A.275	110 mm	each		
A.276	160 mm	each		
A.277	200 mm	each		
A.278	250 mm	each		
A.279	315 mm	each		
	DI/CI UN-EQUAL TEE Main Barrel Socketed Branch Flanged			

Reference No:	B/SM 61/2	Page 72 of 135
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A.280 110 x 50 mm each A.281 160 x 50 mm each A.282 160 x 75 mm each A.283 160 x 100 mm each A.284 200 x 50 mm each A.285 200 x 75 mm each A.286 200 x 100 mm each A.287 200 x 150 mm each A.288 250 x 50 mm each A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each A.298 315 x 200 mm each				
A.282 160 x 75 mm each A.283 160 x 100 mm each A.284 200 x 50 mm each A.285 200 x 75 mm each A.286 200 x 100 mm each A.287 200 x 150 mm each A.288 250 x 50 mm each A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	110 x 50 mm	each	
A.283 160 x 100 mm each A.284 200 x 50 mm each A.285 200 x 75 mm each A.286 200 x 100 mm each A.287 200 x 150 mm each A.288 250 x 50 mm each A.299 250 x 75 mm each A.291 250 x 100 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	1 160 x 50 mm	each	
A.284 200 x 50 mm each A.285 200 x 75 mm each A.286 200 x 100 mm each A.287 200 x 150 mm each A.288 250 x 50 mm each A.289 250 x 75 mm each A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	2 160 x 75 mm	each	
A.285 200 x 75 mm each A.286 200 x 100 mm each A.287 200 x 150 mm each A.288 250 x 50 mm each A.289 250 x 75 mm each A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	3 160 x 100 mm	each	
A.286 200 x 100 mm each A.287 200 x 150 mm each A.288 250 x 50 mm each A.289 250 x 75 mm each A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	4 200 x 50 mm	each	
A.287 200 x 150 mm each A.288 250 x 50 mm each A.289 250 x 75 mm each A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	5 200 x 75 mm	each	
A.288 250 x 50 mm each A.289 250 x 75 mm each A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	6 200 x 100 mm	each	
A.289 250 x 75 mm each A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	7 200 x 150 mm	each	
A.290 250 x 100 mm each A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	3 250 x 50 mm	each	
A.291 250 x 150 mm each A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.28	9 250 x 75 mm	each	
A.292 250 x 200 mm each A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.29	250 x 100 mm	each	
A.293 250 x 200 mm each A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.29	1 250 x 150 mm	each	
A.294 315 x 50 mm each A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.29	2 250 x 200 mm	each	
A.295 315 x 75 mm each A.296 315 x 100 mm each A.297 315 x 150 mm each	A.29	3 250 x 200 mm	each	
A.296 315 x 100 mm each A.297 315 x 150 mm each	A.29	4 315 x 50 mm	each	
A.297 315 x 150 mm each	A.29	315 x 75 mm	each	
	A.29	315 x 100 mm	each	
A.298 315 x 200 mm each	A.29	7 315 x 150 mm	each	
	A.29	3 315 x 200 mm	each	

Reference No:	B/SM 61/2	Page 73 of 135

A.299 315 x 250 mm diameter each					
(Specification C.5) STAINLESS STEEL 304 include pressure rating A.300 50 mm diameter each A.301 75 mm each A.302 100 mm each A.303 150 mm each A.304 200 mm each A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.310 100 x 75 mm each A.311 150 x 75 mm each A.312 150 x 75 mm each	A.299	315 x 250 mm diameter	each		
STAINLESS STEEL 304 SS 304 EQUAL TEE All Plain Ended for FC include pressure rating A.300 50 mm diameter each A.301 75 mm each A.302 100 mm each A.303 150 mm each A.304 200 mm each A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each		TEES STAINLESS STEEL FOR FC PIPES			
SS 304 EQUAL TEE All Plain Ended for FC include pressure rating A.300 50 mm diameter each A.301 75 mm each A.302 100 mm each A.303 150 mm each A.304 200 mm each A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each		(Specification C.5)			
A.300 50 mm diameter each A.301 75 mm each A.302 100 mm each A.303 150 mm each A.304 200 mm each A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.310 100 x 50 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each		STAINLESS STEEL 304			
A.301 75 mm each A.302 100 mm each A.303 150 mm each A.304 200 mm each A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each		SS 304 EQUAL TEE All Plain Ended for FC		include pressure rating	
A.302 100 mm each A.303 150 mm each A.304 200 mm each A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.300	50 mm diameter	each		
A.303 150 mm each A.304 200 mm each A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.301	75 mm	each		
A.304 200 mm each A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.302	100 mm	each		
A.305 250 mm each A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.303	150 mm	each		
A.306 300 mm each A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.304	200 mm	each		
A.307 350 mm each SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.305	250 mm	each		
SS 304 UNEQUAL TEE All Plain Ended for FC include pressure rating A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.306	300 mm	each		
A.308 75 x 50 mm diameter each A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.307	350 mm	each		
A.309 100 x 50 mm each A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each		SS 304 UNEQUAL TEE All Plain Ended for FC		include pressure rating	
A.310 100 x 75 mm each A.311 150 x 50 mm each A.312 150 x 75 mm each	A.308	75 x 50 mm diameter	each		
A.311 150 x 50 mm each A.312 150 x 75 mm each	A.309	100 x 50 mm	each		
A.312 150 x 75 mm each	A.310	100 x 75 mm	each		
	A.311	150 x 50 mm	each		
	A.312	150 x 75 mm	each		
A.313 150 x 100 mm each	A.313	150 x 100 mm	each		

Reference No:	B/SM 61/2	Page 74 of 135
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	A.314	200 x 75 mm	each	
	A.315	200 x 100 mm	each	
	A.316	200 x 150 mm	each	
	A.317	250 x 50 mm	each	
	A.318	250 x 75 mm	each	
	A.319	250 x 100 mm	each	
	A.320	250 x 150 mm	each	
	A.321	250 x 200 mm	each	
	A.322	300 x 150 mm	each	
	A.323	300 x 200 mm	each	
	A.324	300 x 250 mm	each	
	A.325	350 x 250 mm	each	
	A.326	350 x 300 mm	each	
		SS 304 EQUAL TEE Main Barrel Plain Ended for FC Branch Flanged		include pressure rating
	A.327	50 mm diameter	each	
	A.328	75 mm	each	
	A.329	100 mm	each	
	A.330	150 mm	each	
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A.331	200 mm	each		
A.332	250 mm	each		
A.333	300 mm	each		
A.334	350 mm	each		
	SS 304 UN-EQUAL TEE Main Barrel Plain Ended for FC Branch Flanged		include pressure rating	
A.335	75 x 50 mm diameter	each		
A.336	100 x 50 mm	each		
A.337	100 x 75 mm	each		
A.338	150 x 50 mm	each		
A.339	150 x 75 mm	each		
A.340	150 x 100 mm	each		
A.341	200 x 75 mm	each		
A.342	200 x 100 mm	each		
A.343	200 x 150 mm	each		
A.344	250 x 50 mm	each		
A.345	250 x 75 mm	each		
A.346	250 x 100 mm	each		
A.347	250 x 150 mm	each		
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Reference No:	B/SM 61/2	Page 76 of 135

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	A.348	250 x 200 mm	each		
	A.349	300 x 150 mm	each		1
	A.350	300 x 200 mm	each		1
	A.351	300 x 250 mm	each		1
	A.352	350 x 250 mm	each		
•	A.353	350 x 300 mm	each		1
•		STAINLESS STEEL 316			1
		SS 316 EQUAL TEE All Plain Ended for FC		include pressure rating	
	A.354	50 mm diameter	each		
	A.355	75 mm	each		
	A.356	100 mm	each		
	A.357	150 mm	each		
•	A.358	200 mm	each		
	A.359	250 mm	each		
•	A.360	300 mm	each		
	A.361	350 mm	each		
		SS 316 UNEQUAL TEE All Plain Ended for FC		include pressure rating	1
	A.362	75 x 50 mm diameter	each		1
	A.363	100 x 50 mm	each		
	A.364	100 x 75 mm	each		
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Reference No:	B/SM 61/2	Page 77 of 135
Reference No.	D/SIVI 01/2	raye // Ul 133

A.365	150 x 50 mm	each	
A.366	150 x 75 mm	each	
A.367	150 x 100 mm	each	
A.368	200 x 75 mm	each	
A.369	200 x 100 mm	each	
A.370	200 x 150 mm	each	
A.371	250 x 50 mm	each	
A.372	250 x 75 mm	each	
A.373	250 x 100 mm	each	
A.374	250 x 150 mm	each	
A.375	250 x 200 mm	each	
A.376	300 x 150 mm	each	
A.377	300 x 200 mm	each	
A.378	300 x 250 mm	each	
A.379	350 x 250 mm	each	
A.380	350 x 300 mm	each	
	SS 316 EQUAL TEE		
	Main Barrel Plain Ended for FC Branch Flanged		include pressure rating
A.381	50 mm diameter	each	

Reference No:	B/SM 61/2	Page 78 of 135
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A.	.382	75 mm	each		T
Α.	.383	100 mm	each		
Α.	.384	150 mm	each		
Α.	.385	200 mm	each		
Α.	.386	250 mm	each		
A.	.387	300 mm	each		
A.	.388	350 mm	each		
		SS 316 UN-EQUAL TEE Main Barrel Plain Ended for FC Branch Flanged		include pressure rating	
Α.	.389	75 x 50 mm diameter	each		
Α.	.390	100 x 50 mm	each		
Α.	.391	100 x 75 mm	each		
Α.	.392	150 x 50 mm	each		
Α.	.393	150 x 75 mm	each		
Α.	.394	150 x 100 mm	each		
Α.	.395	200 x 75 mm	each		
A.	.396	200 x 100 mm	each		
A.	.397	200 x 150 mm	each		
Α.	.398	250 x 50 mm	each		
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Reference No:	B/SM 61/2	Page 79 of 135
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A.399	250 x 75 mm	each	
A.400	250 x 100 mm	each	
A.401	250 x 150 mm	each	
A.402	250 x 200 mm	each	
A.403	300 x 150 mm	each	
A.404	300 x 200 mm	each	
A.405	300 x 250 mm	each	
A.406	350 x 250 mm	each	
A.407	350 x 300 mm	each	
	TEES DUCTILE IRON/CAST IRON FLANGED		
	(Specification C.4)		
	DI/CI EQUAL TEE All Flanged		
A.408	75 mm diameter	each	
A.409	100 mm	each	
A.410	150 mm	each	
A.411	200 mm	each	
A.412	250 mm	each	
A.413	300 mm	each	
	DI/CI UN-EQUAL TEE All Flanged		
A.414	100 x 75 mm diameter	each	

Reference No: B/SM 61/2	Page 80 of 135
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A.415	150 x 75 mm	each	
A.416	150 x 100 mm	each	
A.417	200 x 75 mm	each	
A.418	200 x 100 mm	each	
A.419	200 x 150 mm	each	
A.420	250 x 75 mm	each	
A.421	250 x 100 mm	each	
A.422	250 x 150 mm	each	
A.423	250 x 200 mm	each	
A.424	300 x 75 mm	each	
A.425	300 x 100 mm	each	
A.426	300 x 150 mm	each	
A.427	300 x 200 mm	each	
A.428	300 x 250 mm	each	
	HYDRANT TEES CAST IRON OR DUCTILE IRON (Specification C.4)		
	DI/CI HYDRANT TEE Main Barrel Socketed		
A.429	75 mm diameter	each	
A.430	90 mm	each	
A.431	110 mm	each	

Reference No:	B/SM 61/2	Page 81 of 135

A.432	160 mm	each	
A.433	200 mm	each	
A.434	250 mm	each	
A.435	315 mm	each	
A.436	355 mm	each	
	FITTINGS CAST IRON OR DUCTILE IRON Specification C.4)		
	DI/CI FLANGED ADAPTORS Plain ended		
A.437	50 mm diameter	each	
A.438	75 mm	each	
A.439	100 mm	each	
A.440	150 mm	each	
A.441	200 mm	each	
A.442	250 mm	each	
A.443	300 mm	each	
A.444	350 mm	each	
	DI/CI FLANGE ADAPTORS Socketed		
A.445	90 mm diameter	each	
A.446	110 mm	each	
A.447	160 mm	each	
A.448	200 mm	each	
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A.449	250 mm	each		
A.450	315 mm	each		
	DI/CI REDUCERS Socketed			
A.451	75 x 50 mm diameter	each		
A.452	110 x 75 mm	each		
A.453	160 x 75 mm	each		
A.454	160 x 110 mm	each		
A.455	200 x 75 mm	each		
A.456	200 x 110 mm	each		
A.457	200 x 160 mm	each		
A.458	250 x 110 mm	each		
A.459	250 x 160 mm	each		
A.460	250 x 200 mm	each		
A.461	300 x 250 mm	each		
	FITTINGS STAINLESS STEEL GRADE 316			
	(Specification C.5)			
	SS 316 REDUCERS Flanged		include pressure rating	
A.462	75 x 50 mm diameter	each		
A.463	100 x 75 mm	each		
A.464	150 x 100 mm	each		

Reference No:	B/SM 61/2	Page 83 of 135
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A.465	150 x 75 mm	each		
A.466	200 x 100 mm	each		
A.467	200 x 150 mm	each		
A.468	200 x 75 mm	each		
A.469	250 x 100 mm	each		
A.470	250 x 150 mm	each		
A.471	250 x 200 mm	each		
A.472	300 x 250 mm	each		
	SS 316 END CAPS		include pressure rating	
A.473	50 mm diameter	each		
A.474	75 mm	each		
A.475	100 mm	each		
A.476	150 mm	each		
A.477	200 mm	each		
A.478	250 mm	each		
A.479	300 mm	each		
	SS 316 BACKING FLANGES Inside flange to be chamfered to suit fusion stubs		include pressure rating	
A.480	75 mm diameter	each		
A.481	90 mm	each		

Reference No:	B/SM 61/2	Page 84 of 135
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А	.482	110 mm	each	
А	.483	160 mm	each	
А	.484	200 mm	each	
А	.485	250 mm	each	
А	.486	315 mm	each	
А	.487	355 mm	each	
		SS 316 BACKING FLANGES drilled hydrant table and Schedule 10 thickness. Inside flange to be chamfered to suit fusion stubs		include pressure rating
А	.488	75 mm diameter	each	
А	.489	90 mm	each	
		SS 316 FLANGED DISTANT PIECES No slotted flanges allowed		include pressure rating
А	.490	75 mm Ø x 250 mm	each	
А	.491	75 mm Ø x 450 mm	each	
А	.492	100 mm Ø x 300 mm	each	
А	.493	100 mm Ø x 450 mm	each	
А	.494	150 mm Ø x 450 mm	each	
А	.495	150 mm Ø x 750 mm	each	
А	.496	200 mm Ø x 600 mm	each	
А	.497	200 mm Ø x 750 mm	each	
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Reference No:	B/SM 61/2	Page 85 of 135
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A.498	200 mm Ø x 1250 mm	each	
	SS 316 FLANGED DISTANT PIECES		include pressure rating
	with puddle flange in middle of pipe		molude pressure rating
A.499	75 mm Ø x 500 mm	each	
A.500	100 mm Ø x 500 mm	each	
A.501	150 mm Ø x 700 mm	each	
A.502	200 mm Ø x 700 mm	each	
	SS 316 FLANGED HYDRANT EXTENSION PIECES 75 mm diameter		include pressure rating
A.503	200 mm Lengths	each	
A.504	450 mm Lengths	each	
A.505	750 mm Lengths	each	
	COUPLINGS		
	(Specification C.6)		
	"VIKING JOHNSON" TYPE COUPLINGS or similar approved		
	UNIVERSAL COUPLINGS		Indicate Coating:
A.506	50 DN Range 59 - 73 mm OD	each	
A.507	50 DN Range 59 - 78 mm OD	each	
A.508	65 DN Range 72 - 85 mm OD	each	
A.509	65 DN Range 74 - 90 mm OD	each	
A.510	80 DN Range 88 - 103 mm OD	each	

Reference No:	B/SM 61/2	Page 86 of 135
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A.511 100 DN Range 98 - 118 mm OD each A.512 100 DN Range 108 - 128 mm OD each A.513 125 DN Range 132 - 154 mm OD each A.514 150 DN Range 150 - 170 mm OD each A.515 150 DN Range 159 - 182 mm OD each A.516 150 DN Range 180 - 194 mm OD each A.517 200 DN Range 192 - 209 mm OD each A.518 200 DN Range 205 - 222 mm OD each A.519 200 DN Range 218 - 235 mm OD each A.520 250 DN Range 235 - 252 mm OD each A.521 250 DN Range 250 - 267 mm OD each A.522 250 DN Range 271 - 289 mm OD each A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each				
A.513 125 DN Range 132 - 154 mm OD each A.514 150 DN Range 150 - 170 mm OD each A.515 150 DN Range 159 - 182 mm OD each A.516 150 DN Range 180 - 194 mm OD each A.517 200 DN Range 192 - 209 mm OD each A.518 200 DN Range 205 - 222 mm OD each A.519 200 DN Range 218 - 235 mm OD each A.520 250 DN Range 235 - 252 mm OD each A.521 250 DN Range 250 - 267 mm OD each A.522 250 DN Range 260 - 274 mm OD each A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.527 300 DN Range 334 - 350 mm OD each	A.511	100 DN Range 98 - 118 mm OD	each	
A.514 150 DN Range 150 - 170 mm OD each A.515 150 DN Range 159 - 182 mm OD each A.516 150 DN Range 180 - 194 mm OD each A.517 200 DN Range 192 - 209 mm OD each A.518 200 DN Range 205 - 222 mm OD each A.519 200 DN Range 218 - 235 mm OD each A.520 250 DN Range 235 - 252 mm OD each A.521 250 DN Range 250 - 267 mm OD each A.522 250 DN Range 260 - 274 mm OD each A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.512	100 DN Range 108 - 128 mm OD	each	
A.515	A.513	125 DN Range 132 - 154 mm OD	each	
A.516	A.514	150 DN Range 150 - 170 mm OD	each	
A.517 200 DN Range 192 - 209 mm OD each A.518 200 DN Range 205 - 222 mm OD each A.519 200 DN Range 218 - 235 mm OD each A.520 250 DN Range 235 - 252 mm OD each A.521 250 DN Range 250 - 267 mm OD each A.522 250 DN Range 260 - 274 mm OD each A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.515	150 DN Range 159 - 182 mm OD	each	
A.518	A.516	150 DN Range 180 - 194 mm OD	each	
A.519 200 DN Range 218 - 235 mm OD each A.520 250 DN Range 235 - 252 mm OD each A.521 250 DN Range 250 - 267 mm OD each A.522 250 DN Range 260 - 274 mm OD each A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.517	200 DN Range 192 - 209 mm OD	each	
A.520 250 DN Range 235 - 252 mm OD each A.521 250 DN Range 250 - 267 mm OD each A.522 250 DN Range 260 - 274 mm OD each A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.518	200 DN Range 205 - 222 mm OD	each	
A.521 250 DN Range 250 - 267 mm OD each A.522 250 DN Range 260 - 274 mm OD each A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.519	200 DN Range 218 - 235 mm OD	each	
A.522 250 DN Range 260 - 274 mm OD each A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.520	250 DN Range 235 - 252 mm OD	each	
A.523 250 DN Range 271 - 289 mm OD each A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.521	250 DN Range 250 - 267 mm OD	each	
A.524 250 DN Range 286 - 304 mm OD each A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.522	250 DN Range 260 - 274 mm OD	each	
A.525 300 DN Range 302 - 318 mm OD each A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.523	250 DN Range 271 - 289 mm OD	each	
A.526 300 DN Range 315 - 332 mm OD each A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.524	250 DN Range 286 - 304 mm OD	each	
A.527 300 DN Range 334 - 350 mm OD each A.528 350 DN Range 344 - 360 mm OD each	A.525	300 DN Range 302 - 318 mm OD	each	
A.528 350 DN Range 344 - 360 mm OD each	A.526	300 DN Range 315 - 332 mm OD	each	
	A.527	300 DN Range 334 - 350 mm OD	each	
A 520 250 DN Banga 256 272 mm OD	A.528	350 DN Range 344 - 360 mm OD	each	
A.529 550 DN Range 556 - 572 min OD each	A.529	350 DN Range 356 - 372 mm OD	each	

A.530	350 DN Range 374 - 391 mm OD	each		
A.531	400 DN Range 391 - 407 mm OD	each		
A.532	400 DN Range 401 - 417 mm OD	each		
A.533	400 DN Range 417 - 437 mm OD	each		
A.534	400 DN Range 430 - 446 mm OD	each		
A.535	450 DN Range 440 - 460 mm OD	each		
A.536	450 DN Range 458 - 474 mm OD	each		
A.537	450 DN Range 477 - 493 mm OD	each		
A.538	500 DN Range 494 - 510 mm OD	each		
A.539	500 DN Range 500 - 523 mm OD	each		
A.540	500 DN Range 518 - 534 mm OD	each		
A.541	500 DN Range 526 - 546 mm OD	each		
A.542	500 DN Range 556 - 572 mm OD	each		
A.543	500 DN Range 577 - 593 mm OD	each		
A.544	600 DN Range 600 - 614 mm OD	each		
A.545	600 DN Range 611 - 624 mm OD	each		
A.546	600 DN Range 630 - 650 mm OD	each		
	UNIVERSAL FLANGE ADAPTORS		Indicate Coating:	
	Flange drilled BS10 Table D			

Reference No:	B/SM 61/2	Page 88 of 135
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A.547	50 DN Range 59 - 73 mm OD	each	
A.548	50 DN Range 59 - 78 mm OD	each	
A.549	65 DN Range 72 - 85 mm OD	each	
A.550	80 DN Range 88 - 103 mm OD	each	
A.551	100 DN Range 98 - 118 mm OD	each	
A.552	100 DN Range 108 - 128 mm OD	each	
A.553	125 DN Range 132 - 154 mm OD	each	
A.554	150 DN Range 150 - 170 mm OD	each	
A.555	150 DN Range 159 - 182 mm OD	each	
A.556	200 DN Range 192 - 209 mm OD	each	
A.557	200 DN Range 218 - 235 mm OD	each	
A.558	250 DN Range 235 - 252 mm OD	each	
A.559	250 DN Range 250 - 267 mm OD	each	
A.560	250 DN Range 260 - 274 mm OD	each	
A.561	250 DN Range 271 - 289 mm OD	each	
	Flange drilled SANS 1123 Table 1600/3		
A.562	300 DN Range 302 - 318 mm OD	each	
A.563	300 DN Range 315 - 332 mm OD	each	
A.564	350 DN Range 344 - 360 mm OD	each	

Reference No:	B/SM 61/2	Page 89 of 135
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A.565	350 DN Range 374 - 391 mm OD	each		
A.566	400 DN Range 391 - 407 mm OD	each		
A.567	400 DN Range 417 - 437 mm OD	each		
A.568	450 DN Range 440 - 460 mm OD	each		
A.569	450 DN Range 477 - 493 mm OD	each		
A.570	500 DN Range 494 - 510 mm OD	each		
A.571	500 DN Range 526 - 546 mm OD	each		
A.572	600 DN Range 600 - 614 mm OD	each		
A.573	600 DN Range 630 - 650 mm OD	each		
	LONG BARREL COUPLINGS		Indicate Coating:	
A.574	50 DN Range 59 - 73 mm OD	each		
A.575	50 DN Range 59 - 78 mm OD	each		
A.576	65 DN Range 72 - 85 mm OD	each		
A.577	65 DN Range 74 - 90 mm OD	each		
A.578	80 DN Range 88 - 103 mm OD	each		
A.579	100 DN Range 98 - 118 mm OD	each		
A.580	100 DN Range 108 - 128 mm OD	each		
A.581	125 DN Range 132 - 154 mm OD	each		
A.582	150 DN Range 150 - 170 mm OD	each		
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Reference No:	B/SM 61/2	Page 90 of 135
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A.583	150 DN Range 159 - 182 mm OD	each		
A.584	150 DN Range 180 - 194 mm OD	each		
A.585	200 DN Range 192 - 209 mm OD	each		
A.586	200 DN Range 205 - 222 mm OD	each		
A.587	200 DN Range 218 - 235 mm OD	each		
A.588	250 DN Range 235 - 252 mm OD	each		
A.589	250 DN Range 250 - 267 mm OD	each		
A.590	250 DN Range 260 - 274 mm OD	each		
A.591	250 DN Range 271 - 289 mm OD	each		
A.592	250 DN Range 286 - 304 mm OD	each		
A.593	300 DN Range 302 - 318 mm OD	each		
A.594	300 DN Range 315 - 332 mm OD	each		
A.595	300 DN Range 334 - 350 mm OD	each		
A.596	350 DN Range 344 - 360 mm OD	each		
A.597	350 DN Range 356 - 372 mm OD	each		
A.598	350 DN Range 374 - 391 mm OD	each		
A.599	400 DN Range 391 - 407 mm OD	each		
A.600	400 DN Range 401 - 417 mm OD	each		
A.601	400 DN Range 417 - 437 mm OD	each		
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Reference No:	B/SM 61/2	Page 91 of 135
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A.602	400 DN Range 430 - 446 mm OD	each		
A.603	450 DN Range 440 - 460 mm OD	each		
A.604	450 DN Range 458 - 474 mm OD	each		
A.605	450 DN Range 477 - 493 mm OD	each		
A.606	500 DN Range 494 - 510 mm OD	each		
A.607	500 DN Range 500 - 523 mm OD	each		
A.608	500 DN Range 518 - 534 mm OD	each		
A.609	500 DN Range 526 - 546 mm OD	each		
A.610	500 DN Range 556 - 572 mm OD	each		
A.611	500 DN Range 577 - 593 mm OD	each		
A.612	600 DN Range 600 - 614 mm OD	each		
A.613	600 DN Range 611 - 624 mm OD	each		
A.614	600 DN Range 630 - 650 mm OD	each		
	STEP COUPLINGS		Indicate Coating:	
A.615	50 DN Range 59 - 73 mm to 72 - 85	each		
A.616	50 DN Range 59 - 73 mm to 88 - 103	each		
A.617	50 DN Range 59 - 78 mm to 88 - 103	each		
A.618	50 DN Range 59 - 78 mm to 108 - 128	each		
A.619	65 DN Range 72 - 85 mm to 88 - 103	each		

Reference No:	B/SM 61/2	Page 92 of 135
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A.620	65 DN Range 72 - 85 mm to 108 - 128	each	
A.621	65 DN Range 74 - 90 mm to 88 - 103	each	
A.622	65 DN Range 74 - 90 mm to 108 - 128	each	
A.623	80 DN Range 88 - 103 mm to 98 - 118	each	
A.624	80 DN Range 88 - 103 mm to 108 - 128	each	
A.625	80 DN Range 88 - 103 mm to 132 - 154	each	
A.626	100 DN Range 98 - 118 mm to 108 - 128	each	
A.627	100 DN Range 98 - 118 mm to 132 - 154	each	
A.628	100 DN Range 108 - 128 mm to 132 - 154	each	
A.629	100 DN Range 108 - 128 mm to 159 - 182	each	
A.630	125 DN Range 132 - 154 mm to 159 - 182	each	
A.631	125 DN Range 132 - 154 mm to 192 - 209	each	
A.632	150 DN Range 150 - 170 mm to 159 - 182	each	
A.633	150 DN Range 150 - 170 mm to 180 - 194	each	
A.634	150 DN Range 150 - 170 mm to 192 - 209	each	
A.635	150 DN Range 159 - 182 mm to 180 - 194	each	
A.636	150 DN Range 159 - 182 mm to 192 - 209	each	
A.637	150 DN Range 159 - 182 mm to 218 - 235	each	
A.638	150 DN Range 180 - 194 mm to 192 - 209	each	

Reference No: B/SM 61/2	Page 93 of 135
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A.639	150 DN Range 180 - 194 mm to 218 - 235	each	
A.640	175 DN Range 192 - 209 mm to 205 - 222	each	
A.641	175 DN Range 192 - 209 mm to 218 - 235	each	
A.642	175 DN Range 192 - 209 mm to 235 - 252	each	
A.643	175 DN Range 192 - 209 mm to 250 - 267	each	
A.644	175 DN Range 205 - 222 mm to 218 - 235	each	
A.645	175 DN Range 205 - 222 mm to 235 - 252	each	
A.646	200 DN Range 218 - 235 mm to 235 - 252	each	
A.647	200 DN Range 218 - 235 mm to 260 - 274	each	
A.648	200 DN Range 218 - 235 mm to 271 - 289	each	
A.649	200 DN Range 218 - 235 mm to 315 - 332	each	
A.650	225 DN Range 235 - 252 mm to 250 - 267	each	
A.651	225 DN Range 235 - 252 mm to 260 - 274	each	
A.652	225 DN Range 235 - 252 mm to 271 - 289	each	
A.653	225 DN Range 235 - 252 mm to 286 - 304	each	
A.654	225 DN Range 235 - 252 mm to 315 - 332	each	
A.655	225 DN Range 250 - 267 mm to 271 - 289	each	
A.656	225 DN Range 250 - 267 mm to 286 - 304	each	
A.657	225 DN Range 250 - 267 mm to 315 - 332	each	

Reference No: B/SM 61/2	Page 94 of 135
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A.658 225 DN Range 260 - 274 mm to 315 - 332 each A.659 225 DN Range 260 - 274 mm to 315 - 332 each A.660 250 DN Range 271 - 289 mm to 286 - 304 each A.661 250 DN Range 271 - 289 mm to 302 - 318 each A.662 250 DN Range 286 - 304 mm to 315 - 332 each A.663 250 DN Range 286 - 304 mm to 315 - 332 each A.664 250 DN Range 286 - 304 mm to 315 - 332 each A.665 300 DN Range 302 - 318 mm to 315 - 332 each A.666 300 DN Range 302 - 318 mm to 334 - 350 each A.667 300 DN Range 302 - 318 mm to 344 - 360 each A.668 300 DN Range 302 - 318 mm to 344 - 360 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 374 - 391 each A.672 300 DN Range 344 - 360 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 391 - 407 each A.676 350 DN Range 344 - 360 mm to 401 - 417 ea				
A.660 250 DN Range 271 - 289 mm to 286 - 304 each A.661 250 DN Range 271 - 289 mm to 302 - 318 each A.662 250 DN Range 271 - 289 mm to 315 - 332 each A.663 250 DN Range 286 - 304 mm to 302 - 318 each A.664 250 DN Range 286 - 304 mm to 315 - 332 each A.665 300 DN Range 286 - 304 mm to 315 - 332 each A.666 300 DN Range 302 - 318 mm to 315 - 332 each A.666 300 DN Range 302 - 318 mm to 334 - 350 each A.667 300 DN Range 302 - 318 mm to 344 - 360 each A.668 300 DN Range 302 - 318 mm to 344 - 360 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 344 - 360 each A.672 300 DN Range 315 - 332 mm to 356 - 372 each A.673 350 DN Range 344 - 360 mm to 374 - 391 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 374 - 391 each	A.658	225 DN Range 260 - 274 mm to 286 - 304	each	
A.661 250 DN Range 271 - 289 mm to 302 - 318 each A.662 250 DN Range 271 - 289 mm to 315 - 332 each A.663 250 DN Range 286 - 304 mm to 302 - 318 each A.664 250 DN Range 286 - 304 mm to 315 - 332 each A.665 300 DN Range 302 - 318 mm to 315 - 332 each A.666 300 DN Range 302 - 318 mm to 334 - 350 each A.667 300 DN Range 302 - 318 mm to 344 - 360 each A.668 300 DN Range 302 - 318 mm to 356 - 372 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 344 - 360 each A.672 300 DN Range 315 - 332 mm to 356 - 372 each A.673 350 DN Range 344 - 360 mm to 374 - 391 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 374 - 391 each	A.659	225 DN Range 260 - 274 mm to 315 - 332	each	
A.662 250 DN Range 271 - 289 mm to 315 - 332 each A.663 250 DN Range 286 - 304 mm to 302 - 318 each A.664 250 DN Range 286 - 304 mm to 315 - 332 each A.665 300 DN Range 302 - 318 mm to 315 - 332 each A.666 300 DN Range 302 - 318 mm to 334 - 350 each A.667 300 DN Range 302 - 318 mm to 344 - 360 each A.668 300 DN Range 302 - 318 mm to 344 - 360 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 344 - 360 each A.672 300 DN Range 315 - 332 mm to 356 - 372 each A.673 350 DN Range 344 - 360 mm to 374 - 391 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 374 - 391 each	A.660	250 DN Range 271 - 289 mm to 286 - 304	each	
A.663 250 DN Range 286 - 304 mm to 302 - 318 each A.664 250 DN Range 286 - 304 mm to 315 - 332 each A.665 300 DN Range 302 - 318 mm to 315 - 332 each A.666 300 DN Range 302 - 318 mm to 334 - 350 each A.667 300 DN Range 302 - 318 mm to 344 - 360 each A.668 300 DN Range 302 - 318 mm to 344 - 360 each A.668 300 DN Range 302 - 318 mm to 356 - 372 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 356 - 372 each A.672 300 DN Range 315 - 332 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 374 - 391 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 374 - 391 each	A.661	250 DN Range 271 - 289 mm to 302 - 318	each	
A.664	A.662	250 DN Range 271 - 289 mm to 315 - 332	each	
A.665 300 DN Range 302 - 318 mm to 315 - 332 each A.666 300 DN Range 302 - 318 mm to 334 - 350 each A.667 300 DN Range 302 - 318 mm to 344 - 360 A.668 300 DN Range 302 - 318 mm to 356 - 372 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 356 - 372 each A.672 300 DN Range 315 - 332 mm to 356 - 372 each A.673 350 DN Range 344 - 360 mm to 374 - 391 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 374 - 391 each	A.663	250 DN Range 286 - 304 mm to 302 - 318	each	
A.666 300 DN Range 302 - 318 mm to 334 - 350 each A.667 300 DN Range 302 - 318 mm to 344 - 360 each A.668 300 DN Range 302 - 318 mm to 356 - 372 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 356 - 372 each A.672 300 DN Range 315 - 332 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 374 - 391 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 374 - 391 each	A.664	250 DN Range 286 - 304 mm to 315 - 332	each	
A.667 300 DN Range 302 - 318 mm to 344 - 360 each A.668 300 DN Range 302 - 318 mm to 356 - 372 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 356 - 372 each A.672 300 DN Range 315 - 332 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 356 - 372 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 391 - 407 each	A.665	300 DN Range 302 - 318 mm to 315 - 332	each	
A.668 300 DN Range 302 - 318 mm to 356 - 372 each A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 356 - 372 each A.672 300 DN Range 315 - 332 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 356 - 372 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 374 - 391 each	A.666	300 DN Range 302 - 318 mm to 334 - 350	each	
A.669 300 DN Range 315 - 332 mm to 334 - 350 each A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 356 - 372 each A.672 300 DN Range 315 - 332 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 356 - 372 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 391 - 407 each	A.667	300 DN Range 302 - 318 mm to 344 - 360	each	
A.670 300 DN Range 315 - 332 mm to 344 - 360 each A.671 300 DN Range 315 - 332 mm to 356 - 372 each A.672 300 DN Range 315 - 332 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 356 - 372 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 391 - 407 each	A.668	300 DN Range 302 - 318 mm to 356 - 372	each	
A.671 300 DN Range 315 - 332 mm to 356 - 372 each A.672 300 DN Range 315 - 332 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 356 - 372 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 391 - 407 each	A.669	300 DN Range 315 - 332 mm to 334 - 350	each	
A.672 300 DN Range 315 - 332 mm to 374 - 391 each A.673 350 DN Range 344 - 360 mm to 356 - 372 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 391 - 407 each	A.670	300 DN Range 315 - 332 mm to 344 - 360	each	
A.673 350 DN Range 344 - 360 mm to 356 - 372 each A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 391 - 407 each	A.671	300 DN Range 315 - 332 mm to 356 - 372	each	
A.674 350 DN Range 344 - 360 mm to 374 - 391 each A.675 350 DN Range 344 - 360 mm to 391 - 407 each	A.672	300 DN Range 315 - 332 mm to 374 - 391	each	
A.675 350 DN Range 344 - 360 mm to 391 - 407 each	A.673	350 DN Range 344 - 360 mm to 356 - 372	each	
	A.674	350 DN Range 344 - 360 mm to 374 - 391	each	
A.676 350 DN Range 344 - 360 mm to 401 - 417 each	A.675	350 DN Range 344 - 360 mm to 391 - 407	each	
	A.676	350 DN Range 344 - 360 mm to 401 - 417	each	

Reference No:	B/SM 61/2	Page 95 of 135
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A.677 350 DN Range 344 - 360 mm to 417 - 437 each A.678 350 DN Range 344 - 360 mm to 430 - 446 each A.679 350 DN Range 344 - 360 mm to 440 - 460 each A.680 400 DN Range 391 - 407 mm to 401 - 417 each A.681 400 DN Range 391 - 407 mm to 417 - 437 each A.682 400 DN Range 391 - 407 mm to 430 - 446 each A.683 400 DN Range 391 - 407 mm to 440 - 460 each A.684 400 DN Range 391 - 407 mm to 440 - 460 each A.685 400 DN Range 391 - 407 mm to 458 - 474 each A.686 400 DN Range 391 - 407 mm to 494 - 510 each A.688 400 DN Range 401 - 417 mm to 440 - 460 each A.689 400 DN Range 401 - 417 mm to 440 - 460 each A.689 400 DN Range 401 - 417 mm to 440 - 460 each A.689 400 DN Range 401 - 417 mm to 440 - 460 each A.689 400 DN Range 401 - 417 mm to 440 - 460 each A.689 400 DN Range 401 - 417 mm to 494 - 510 each A.690 400 DN Range 417 - 437 mm to 494 - 510 each A.691 400 DN Range 440 - 460 mm to 458 - 474 each A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 494 - 510 each A.694 450 DN Range 440 - 460 mm to 494 - 510 each A.695 450 DN Range 440 - 460 mm to 494 - 510 each				
A.679 350 DN Range 344 - 360 mm to 440 - 460 each A.680 400 DN Range 391 - 407 mm to 401 - 417 each A.681 400 DN Range 391 - 407 mm to 417 - 437 each A.682 400 DN Range 391 - 407 mm to 430 - 446 each A.683 400 DN Range 391 - 407 mm to 440 - 460 each A.684 400 DN Range 391 - 407 mm to 458 - 474 each A.685 400 DN Range 391 - 407 mm to 477 - 493 each A.686 400 DN Range 391 - 407 mm to 494 - 510 each A.687 400 DN Range 401 - 417 mm to 440 - 460 each A.688 400 DN Range 401 - 417 mm to 458 - 474 each A.689 400 DN Range 401 - 417 mm to 477 - 493 each A.689 400 DN Range 401 - 417 mm to 477 - 493 each A.689 400 DN Range 401 - 417 mm to 477 - 493 each A.690 400 DN Range 401 - 417 mm to 440 - 460 each A.691 400 DN Range 407 - 437 mm to 440 - 460 each A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 477 - 493 each	A.677	350 DN Range 344 - 360 mm to 417 - 437	each	
A.680	A.678	350 DN Range 344 - 360 mm to 430 - 446	each	
A.681	A.679	350 DN Range 344 - 360 mm to 440 - 460	each	
A.682 400 DN Range 391 - 407 mm to 430 - 446 each A.683 400 DN Range 391 - 407 mm to 440 - 460 each A.684 400 DN Range 391 - 407 mm to 458 - 474 each A.685 400 DN Range 391 - 407 mm to 477 - 493 each A.686 400 DN Range 391 - 407 mm to 494 - 510 each A.687 400 DN Range 401 - 417 mm to 440 - 460 each A.688 400 DN Range 401 - 417 mm to 458 - 474 each A.689 400 DN Range 401 - 417 mm to 477 - 493 each A.690 400 DN Range 417 - 437 mm to 440 - 460 each A.691 400 DN Range 417 - 437 mm to 440 - 460 each A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 477 - 493 each	A.680	400 DN Range 391 - 407 mm to 401 - 417	each	
A.683	A.681	400 DN Range 391 - 407 mm to 417 - 437	each	
A.684	A.682	400 DN Range 391 - 407 mm to 430 - 446	each	
A.685	A.683	400 DN Range 391 - 407 mm to 440 - 460	each	
A.686	A.684	400 DN Range 391 - 407 mm to 458 - 474	each	
A.687 400 DN Range 401 - 417 mm to 440 - 460 each A.688 400 DN Range 401 - 417 mm to 458 - 474 each A.689 400 DN Range 401 - 417 mm to 477 - 493 each A.690 400 DN Range 417 - 437 mm to 440 - 460 A.691 400 DN Range 417 - 437 mm to 494 - 510 each A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 494 - 510 each	A.685	400 DN Range 391 - 407 mm to 477 - 493	each	
A.688 400 DN Range 401 - 417 mm to 458 - 474 each A.689 400 DN Range 401 - 417 mm to 477 - 493 each A.690 400 DN Range 417 - 437 mm to 440 - 460 A.691 400 DN Range 417 - 437 mm to 494 - 510 each A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 494 - 510 each	A.686	400 DN Range 391 - 407 mm to 494 - 510	each	
A.689 400 DN Range 401 - 417 mm to 477 - 493 each A.690 400 DN Range 417 - 437 mm to 440 - 460 each A.691 400 DN Range 417 - 437 mm to 494 - 510 each A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 494 - 510 each	A.687	400 DN Range 401 - 417 mm to 440 - 460	each	
A.690 400 DN Range 417 - 437 mm to 440 - 460 each A.691 400 DN Range 417 - 437 mm to 494 - 510 each A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 494 - 510 each	A.688	400 DN Range 401 - 417 mm to 458 - 474	each	
A.691 400 DN Range 417 - 437 mm to 494 - 510 each A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 494 - 510 each	A.689	400 DN Range 401 - 417 mm to 477 - 493	each	
A.692 450 DN Range 440 - 460 mm to 458 - 474 each A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 494 - 510 each	A.690	400 DN Range 417 - 437 mm to 440 - 460	each	
A.693 450 DN Range 440 - 460 mm to 477 - 493 each A.694 450 DN Range 440 - 460 mm to 494 - 510 each	A.691	400 DN Range 417 - 437 mm to 494 - 510	each	
A.694 450 DN Range 440 - 460 mm to 494 - 510 each	A.692	450 DN Range 440 - 460 mm to 458 - 474	each	
	A.693	450 DN Range 440 - 460 mm to 477 - 493	each	
A.695 450 DN Range 440 - 460 mm to 518 - 534 each	A.694	450 DN Range 440 - 460 mm to 494 - 510	each	
	A.695	450 DN Range 440 - 460 mm to 518 - 534	each	

Reference No:	B/SM 61/2	Page 96 of 135
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	A.696	500 DN Range 494 - 510 mm to 509 - 523	each		
	A.697	500 DN Range 494 - 510 mm to 518 - 534	each		
	A.698	500 DN Range 494 - 510 mm to 526 - 546	each		
	A.699	500 DN Range 494 - 510 mm to 556 - 572	each		
	A.700	600 DN Range 600 - 614 mm to 611 - 624	each		
	A.701	600 DN Range 600 - 614 mm to 630 - 650	each		
	A.702	600 DN Range 600 - 614 mm to 651	each		
		STEEL FLANGE ADAPTORS		Indicate Coating:	
		Flange drilled BS10 Table D			
	A.703	50 DN for PVC 63 COD 69	each		
	A.704	65 DN for PVC 75	each		
	A.705	80 DN for PVC 90	each		
	A.706	80 DN for DI 98 COD 96	each		
	A.707	100 DN for PVC 110	each		
	A.708	100 DN for DI 118 PVC 125 COD 122	each		
	A.709	125 DN for PVC 140 COD 150	each		
	A.710	150 DN for PVC 160	each		
	A.711	150 DN for DI 170 COD 177 CID 168 174	each		
	A.712	150 DN for CID 180 188	each		
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Reference No:	B/SM 61/2	Page 97 of 135
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A.713	150 DN for CID 196	each		
A.714	200 DN for PVC 200	each		
A.715	200 DN for DI 222 COD 232 CID 222 229	each		
A.716	200 DN for CID 239 250	each		
A.717	200 DN for CID 262	each		
A.718	250 DN for PVC 250	each		
A.719	250 DN for COD 259	each		
A.720	250 DN for DI 274 COD 286 CID 274 284	each		
A.721	250 DN for CID 295 304	each		
A.722	250 DN for CID 318	each		
	Flange drilled SANS 1123 Table 1600/3			
A.723	300 DN for PVC 315	each		
A.724	300 DN for DI 326 CID 328	each		
A.725	300 DN for COD 345 CID 340	each		
A.726	300 DN for CID 353	each		
A.727	300 DN for CID 365	each		
A.728	300 DN for CID 378	each		
A.729	350 DN for PVC 355	each		
A.730	350 DN for DI 378 CID 378 382	each		
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Reference No:	B/SM 61/2	Page 98 of 135
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	A.731	350 DN for CID 396	each	
	A.732	350 DN for CID 412	each	
Ī	A.733	350 DN for COD 426 CID 426	each	
	A.734	350 DN for CID 440	each	
	A.735	400 DN for PVC 400	each	
	A.736	400 DN for DI 429 CID 430 436	each	
	A.737	400 DN for COD 453 CID 450	each	
	A.738	400 DN for CID 468	each	
	A.739	400 DN for CID 484	each	
	A.740	400 DN for CID 503	each	
	A.741	450 DN for PVC 455	each	
	A.742	450 DN for DI 480 CID 483 488	each	
	A.743	450 DN for COD 507 CID 506	each	
	A.744	450 DN for CID 524	each	
	A.745	450 DN for CID 545	each	
	A.746	450 DN for CID 566	each	
	A.747	500 DN for PVC 500	each	
	A.748	500 DN for DI 532	each	
	A.749	500 DN for CID 535 543	each	
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Reference No:	B/SM 61/2	Page 99 of 135
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A.750	500 DN for COD 560 CID 560	each		
A.751	500 DN for COD 587 CID 583	each		
A.752	500 DN for CID 606	each		
A.753	500 DN for CID 629	each		
A.754	600 DN for PVC 630	each		
A.755	600 DN for DI 635 CID 638	each		
	GRIPPER TYPE COUPLINGS			
	with Brass Ring for PE and PVC Pipes		Indicate Coating:	
A.756	63 mm diameter	each		
A.757	75 mm	each		
A.758	90 mm	each		
A.759	110 mm	each		
A.760	160 mm	each		
A.761	200 mm	each		
A.762	250 mm	each		
A.763	315 mm	each		
	GRIPPER TYPE FLANGE ADAPTORS			
	with Brass Ring for PE and PVC Pipes		Indicate Coating:	
	Flange drilled BS10 Table D			
A.764	63 mm diameter	each		

Reference No:	B/SM 61/2	Page 100 of 135

A.765 75 mm each A.766 90 mm each A.767 110 mm each A.768 160 mm each A.768 160 mm each A.769 200 mm each A.770 250 mm each Flange drilled SANS 1123 Table 1600/3 A.771 315 mm each REPAIR COUPLINGS to suit Fibre Cement COD pipes A.772 to suit 50 mm Ø COD FC pipe A.773 to suit 75 mm Ø COD FC pipe A.774 to suit 100 mm Ø COD FC pipe A.775 to suit 150 mm Ø COD FC pipe A.776 to suit 225 mm Ø COD FC pipe A.777 to suit 225 mm Ø COD FC pipe A.778 to suit 250 mm Ø COD FC pipe A.779 to suit 250 mm Ø COD FC pipe A.779 to suit 250 mm Ø COD FC pipe A.779 to suit 250 mm Ø COD FC pipe A.779 to suit 250 mm Ø COD FC pipe A.779 to suit 300 mm Ø COD FC pipe A.779 to suit 300 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe A.780 to suit 375 mm Ø COD FC pipe					
A.767 110 mm	A.765	75 mm	each		
A.768 160 mm each A.769 200 mm each A.770 250 mm each Flange drilled SANS 1123 Table 1600/3 A.771 315 mm each REPAIR COUPLINGS to suit Fibre Cement COD pipes Indicate Coating: A.772 to suit 50 mm Ø COD FC pipe each A.773 to suit 75 mm Ø COD FC pipe each A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 200 mm Ø COD FC pipe each A.776 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.766	90 mm	each		
A.769 200 mm each A.770 250 mm each Flange drilled SANS 1123 Table 1600/3 A.771 315 mm each REPAIR COUPLINGS to suit Fibre Cement COD pipes A.772 to suit 50 mm Ø COD FC pipe each A.773 to suit 75 mm Ø COD FC pipe each A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 150 mm Ø COD FC pipe each A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 300 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.767	110 mm	each		
A.770 250 mm each Flange drilled SANS 1123 Table 1600/3 A.771 315 mm each REPAIR COUPLINGS to suit Fibre Cement COD pipes A.772 to suit 50 mm Ø COD FC pipe each A.773 to suit 75 mm Ø COD FC pipe each A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 200 mm Ø COD FC pipe each A.776 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.768	160 mm	each		
Flange drilled SANS 1123 Table 1600/3	A.769	200 mm	each		
A.771 315 mm each REPAIR COUPLINGS to suit Fibre Cement COD pipes A.772 to suit 50 mm Ø COD FC pipe each A.773 to suit 75 mm Ø COD FC pipe each A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 150 mm Ø COD FC pipe each A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.770	250 mm	each		
REPAIR COUPLINGS to suit Fibre Cement COD pipes A.772 to suit 50 mm Ø COD FC pipe each A.773 to suit 75 mm Ø COD FC pipe each A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 150 mm Ø COD FC pipe each A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.779 to suit 375 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each		Flange drilled SANS 1123 Table 1600/3			
to suit Fibre Cement COD pipes A.772 to suit 50 mm Ø COD FC pipe each A.773 to suit 75 mm Ø COD FC pipe each A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 150 mm Ø COD FC pipe each A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.771	315 mm	each		
A.772 to suit 50 mm Ø COD FC pipe each A.773 to suit 75 mm Ø COD FC pipe each A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 150 mm Ø COD FC pipe each A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.779 to suit 375 mm Ø COD FC pipe each A.779 to suit 375 mm Ø COD FC pipe each		REPAIR COUPLINGS			
A.773 to suit 75 mm Ø COD FC pipe each A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 150 mm Ø COD FC pipe each A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each		to suit Fibre Cement COD pipes		Indicate Coating:	
A.774 to suit 100 mm Ø COD FC pipe each A.775 to suit 150 mm Ø COD FC pipe each A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.772	to suit 50 mm Ø COD FC pipe	each		
A.775 to suit 150 mm Ø COD FC pipe each A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.773	to suit 75 mm Ø COD FC pipe	each		
A.776 to suit 200 mm Ø COD FC pipe each A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.774	to suit 100 mm Ø COD FC pipe	each		
A.777 to suit 225 mm Ø COD FC pipe each A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.775	to suit 150 mm Ø COD FC pipe	each		
A.778 to suit 250 mm Ø COD FC pipe each A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.776	to suit 200 mm Ø COD FC pipe	each		
A.779 to suit 300 mm Ø COD FC pipe each A.780 to suit 375 mm Ø COD FC pipe each	A.777	to suit 225 mm Ø COD FC pipe	each		
A.780 to suit 375 mm Ø COD FC pipe each	A.778	to suit 250 mm Ø COD FC pipe	each		
	A.779	to suit 300 mm Ø COD FC pipe	each		
A 704 to quit 400 mm Ø COD EC mine	A.780	to suit 375 mm Ø COD FC pipe	each		
A.781 to suit 400 mm & COD FC pipe each	A.781	to suit 400 mm Ø COD FC pipe	each		

Reference No:	B/SM 61/2	Page 101 of 135
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A.	782	to suit 450 mm Ø COD FC pipe	each	
		STAINLESS STEEL CLAMPS AND SADDLES		
		(Cascade or Ultra or similar approved)		
		(Specification C.5)		
		DN size - Range min-max - Pipe material, size & class - clamp length – socket diam		
		STAINLESS STEEL CLAMPS Class 16		
A.	783	DN 65 R 69-76 PVC 75 D 150 long	each	
A.	784	DN 65 R 69-76 PVC 75 D 150 long Socket 25	each	
A.	785	DN 65 R 69-76 PVC 75 D 150 long Socket 50	each	
A.	786	DN 80 R 87-93 PVC 90 D 150 L	each	
A.	787	DN 80 R 87-93 PVC 90 D 150 L Socket 25	each	
A.	788	DN 80 R 87-93 PVC 90 D 150 L Socket 50	each	
A.	789	DN 80 R 95-104 AC 75 D 200 long	each	
A.	790	DN 80 R 95-104 AC 75 D 200 L Socket 25	each	
A.	791	DN 80 R 95-104 AC 75 D 200 long Socket 50	each	
A.	792	DN 100 R 104-113 PVC 110 D 200 long	each	
A.	793	DN 100 R 104-113 PVC 110 D 200 long Sock 25	each	
A.	794	DN 100 R 104-113 PVC 110 D 200 L Socket 50	each	
A.	795	DN 100 R 121-131 AC 100 D 200 long	each	
A.	796	DN 100 R 121-130 AC 100 D 200 L Socket 25	each	

Reference No:	B/SM 61/2	Page 102 of 135

A.797 DN 100 R 121-131 AC 100 D 200 long Socket 50 each A.798 DN 125 R 130-140 HDPE 140 D 200 L A.799 DN 125 R 130-140 HDPE 140 D 200 L Socket 25 each A.800 DN 125 R 130-140 HDPE 140 D 200 L Socket 50 each A.801 DN 125 R 130-140 HDPE 140 D 200 L Socket 50 each A.802 DN 125 R 145-155 AC 125 D 200 L A.803 DN 125 R 145-155 AC 125 D 200 L Socket 50 each A.804 DN 125 R 145-155 AC 125 D 200 L Socket 50 each A.805 DN 126 R 157-163 PVC 160 D 300 L A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 25 each A.807 DN 150 R 157-163 PVC 160 D 300 L Socket 50 each A.808 DN 150 R 174-183 AC 150 D 300 L Socket 50 each A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 each A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 each A.801 DN 200 R 229-238 AC 200 D 300 L A.802 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.810 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.811 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L Socket 50 each A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 50 each A.815 DN 200 R 196-205 PVC 200 D 300 L Socket 50 each				
A.799 DN 125 R 130-140 HDPE 140 D 200 L Socket 25 each A.800 DN 125 R 130-140 HDPE 140 D 200 L Socket 50 each A.801 DN 125 R 145-155 AC 125 D 200 L A.802 DN 125 R 145-155 AC 125 D 200 L Socket 25 each A.803 DN 125 R 145-155 AC 125 D 200 L Socket 50 each A.804 DN 150 R 157-163 PVC 160 D 300 L A.805 DN 150 R 157-163 PVC 160 D 300 L Socket 25 each A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 50 each A.807 DN 150 R 157-163 PVC 160 D 300 L Socket 50 each A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 each A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 each A.801 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 each A.812 DN 200 R 196-205 PVC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.797	DN 100 R 121-131 AC 100 D 200 long Socket 50	each	
A.800 DN 125 R 130-140 HDPE 140 D 200 L Socket 50 each A.801 DN 125 R 145-155 AC 125 D 200 L A.802 DN 125 R 145-155 AC 125 D 200 L Socket 25 each A.803 DN 125 R 145-155 AC 125 D 200 L Socket 50 each A.804 DN 150 R 157-163 PVC 160 D 300 L A.805 DN 150 R 157-163 PVC 160 D 300 L Socket 25 each A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 50 each A.807 DN 150 R 174-183 AC 150 D 300 L A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 each A.809 DN 150 R 174-183 AC 200 D 300 L Socket 50 each A.810 DN 200 R 229-238 AC 200 D 300 L A.811 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.812 DN 200 R 196-205 PVC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.798	DN 125 R 130-140 HDPE 140 D 200 L	each	
A.801 DN 125 R 145-155 AC 125 D 200 L each A.802 DN 125 R 145-155 AC 125 D 200 L Socket 25 A.803 DN 125 R 145-155 AC 125 D 200 L Socket 50 A.804 DN 150 R 157-163 PVC 160 D 300 L A.805 DN 150 R 157-163 PVC 160 D 300 L Socket 25 A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 50 A.807 DN 150 R 157-163 PVC 160 D 300 L A.808 DN 150 R 174-183 AC 150 D 300 L A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 A.810 DN 200 R 229-238 AC 200 D 300 L A.811 DN 200 R 229-238 AC 200 D 300 L Socket 50 A.812 DN 200 R 196-205 PVC 200 D 300 L A.813 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.799	DN 125 R 130-140 HDPE 140 D 200 L Socket 25	each	
A.802 DN 125 R 145-155 AC 125 D 200 L Socket 25 A.803 DN 125 R 145-155 AC 125 D 200 L Socket 50 A.804 DN 150 R 157-163 PVC 160 D 300 L A.805 DN 150 R 157-163 PVC 160 D 300 L Socket 25 A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 50 A.807 DN 150 R 174-183 AC 150 D 300 L A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 A.810 DN 200 R 229-238 AC 200 D 300 L A.811 DN 200 R 229-238 AC 200 D 300 L Socket 50 A.812 DN 200 R 196-205 PVC 200 D 300 L A.813 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.815 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.816 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.817 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.818 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.819 DN 200 R 196-205 PVC 200 D 300 L Socket 25	A.800	DN 125 R 130-140 HDPE 140 D 200 L Socket 50	each	
A.803 DN 125 R 145-155 AC 125 D 200 L Socket 50 A.804 DN 150 R 157-163 PVC 160 D 300 L A.805 DN 150 R 157-163 PVC 160 D 300 L Socket 25 A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 50 A.807 DN 150 R 157-163 PVC 160 D 300 L Socket 50 A.808 DN 150 R 174-183 AC 150 D 300 L A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 A.810 DN 200 R 229-238 AC 200 D 300 L A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 A.812 DN 200 R 229-238 AC 200 D 300 L A.813 DN 200 R 196-205 PVC 200 D 300 L A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.815 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.816 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.817 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.818 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.819 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.810 DN 200 R 196-205 PVC 200 D 300 L Socket 25	A.801	DN 125 R 145-155 AC 125 D 200 L	each	
A.804 DN 150 R 157-163 PVC 160 D 300 L each A.805 DN 150 R 157-163 PVC 160 D 300 L Socket 25 each A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 50 each A.807 DN 150 R 174-183 AC 150 D 300 L A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 each A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 each A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 each A.810 DN 200 R 229-238 AC 200 D 300 L A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 each A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.802	DN 125 R 145-155 AC 125 D 200 L Socket 25	each	
A.805 DN 150 R 157-163 PVC 160 D 300 L Socket 25 A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 50 A.807 DN 150 R 174-183 AC 150 D 300 L A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 A.810 DN 200 R 229-238 AC 200 D 300 L A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 A.813 DN 200 R 196-205 PVC 200 D 300 L A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.815 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.816 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.817 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.818 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.819 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.810 DN 200 R 196-205 PVC 200 D 300 L Socket 25	A.803	DN 125 R 145-155 AC 125 D 200 L Socket 50	each	
A.806 DN 150 R 157-163 PVC 160 D 300 L Socket 50 each A.807 DN 150 R 174-183 AC 150 D 300 L A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 each A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 each A.810 DN 200 R 229-238 AC 200 D 300 L A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 each A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.804	DN 150 R 157-163 PVC 160 D 300 L	each	
A.807 DN 150 R 174-183 AC 150 D 300 L each A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 A.810 DN 200 R 229-238 AC 200 D 300 L each A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 A.813 DN 200 R 196-205 PVC 200 D 300 L each A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 Each	A.805	DN 150 R 157-163 PVC 160 D 300 L Socket 25	each	
A.808 DN 150 R 174-183 AC 150 D 300 L Socket 25 each A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 each A.810 DN 200 R 229-238 AC 200 D 300 L A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 each A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.806	DN 150 R 157-163 PVC 160 D 300 L Socket 50	each	
A.809 DN 150 R 174-183 AC 150 D 300 L Socket 50 each A.810 DN 200 R 229-238 AC 200 D 300 L each A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 each A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.807	DN 150 R 174-183 AC 150 D 300 L	each	
A.810 DN 200 R 229-238 AC 200 D 300 L each A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 A.813 DN 200 R 196-205 PVC 200 D 300 L each A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25	A.808	DN 150 R 174-183 AC 150 D 300 L Socket 25	each	
A.811 DN 200 R 229-238 AC 200 D 300 L Socket 25 each A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L each A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.809	DN 150 R 174-183 AC 150 D 300 L Socket 50	each	
A.812 DN 200 R 229-238 AC 200 D 300 L Socket 50 each A.813 DN 200 R 196-205 PVC 200 D 300 L each A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.810	DN 200 R 229-238 AC 200 D 300 L	each	
A.813 DN 200 R 196-205 PVC 200 D 300 L each A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.811	DN 200 R 229-238 AC 200 D 300 L Socket 25	each	
A.814 DN 200 R 196-205 PVC 200 D 300 L Socket 25 each	A.812	DN 200 R 229-238 AC 200 D 300 L Socket 50	each	
	A.813	DN 200 R 196-205 PVC 200 D 300 L	each	
A.815 DN 200 R 196-205 PVC 200 D 300 L Socket 50 each	A.814	DN 200 R 196-205 PVC 200 D 300 L Socket 25	each	
	A.815	DN 200 R 196-205 PVC 200 D 300 L Socket 50	each	

Reference No:	B/SM 61/2	Page 103 of 135

A.816	DN 225 R 254-264 AC 225 D 300 L	each	
A.817	DN 225 R 254-264 AC 225 D 300 L Socket 25	each	
A.818	DN 225 R 254-264 AC 225 D 300 L Socket 50	each	
A.819	DN 225 R 248-257 PVC 250 D 300 L	each	
A.820	DN 225 R 248-257 PVC 250 D 300 L Socket 25	each	
A.821	DN 225 R 248-257 PVC 250 D 300 L Socket 50	each	
A.822	DN 250 R 281-290 AC 250 D+CL18 300 L	each	
A.823	DN 250 R 281-290 AC 250 D 300 L Socket 25	each	
A.824	DN 250 R 281-290 AC 250 D 300 L Socket 50	each	
A.825	DN 250 R 294-304 AC 250 CL24 300 L	each	
A.826	DN 250 R 304-314 AC 250 CL30 300 L	each	
A.827	DN 300 R 312-322 PVC 315 CL12 300 L	each	
A.828	DN 300 R 312-322 PVC 315 CL12 300 L Sock 25	each	
A.829	DN 300 R 312-322 PVC 315 D 300 L Socket 50	each	
A.830	DN 350 R 342-356 AC 300 D 400 L	each	
A.831	DN 350 R 342-356 AC 300 D 400 L Socket 25	each	
A.832	DN 350 R 342-356 AC 300 D 400 L Socket 50	each	
A.833	DN 350 R 353-363 AC 300 CL24 400 L	each	
A.834	DN 350-400 R 350-370 400 L	each	
7.004	DIV 330 400 IV 330-370 400 E	Gacii	

Reference No:	B/SM 61/2	Page 104 of 135

	A.835	DN 350-400 R 370-390 400 L	each	
	A.836	DN 350-400 R 390-410 400 L	each	
	A.837	DN 350-400 R 350-370 600 L	each	
	A.838	DN 350-400 R 370-390 600 L	each	
	A.839	DN 350-400 R 390-410 600 L	each	
	A.840	DN 400-450 R 400-420 400 L	each	
	A.841	DN 400-450 R 420-440 400 L	each	
	A.842	DN 400-450 R 440-460 400 L	each	
	A.843	DN 400-450 R 400-420 600 L	each	
	A.844	DN 400-450 R 420-440 600 L	each	
	A.845	DN 400-450 R 440-460 600 L	each	
	A.846	DN 450-500 R 450-470 400 L	each	
	A.847	DN 450-500 R 470-490 400 L	each	
	A.848	DN 450-500 R 490-510 400 L	each	
	A.849	DN 450-500 R 450-470 600 L	each	
	A.850	DN 450-500 R 470-490 600 L	each	
	A.851	DN 450-500 R 490-510 600 L	each	
	A.852	DN 500-550 R 500-520 400 L	each	
	A.853	DN 500-550 R 520-540 400 L	each	
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Reference No:	B/SM 61/2	Page 105 of 135
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A.854 DN 500-550 R 540-560 400 L each A.855 DN 500-550 R 500-520 600 L each A.856 DN 500-550 R 520-540 600 L each A.857 DN 500-550 R 540-560 600 L each A.858 DN 550-600 R 550-570 400 L each A.859 DN 550-600 R 570-590 400 L each A.860 DN 550-600 R 590-610 400 L each A.861 DN 550-600 R 550-570 600 L each A.862 DN 550-600 R 570-590 600 L each A.863 DN 550-600 R 590-610 600 L each PACKING RUBBER INSERTIONS each A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 300 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each <				
A.856 DN 500-550 R 520-540 600 L each A.857 DN 500-550 R 540-560 600 L each A.858 DN 550-600 R 550-570 400 L each A.859 DN 550-600 R 570-590 400 L each A.860 DN 550-600 R 570-590 400 L each A.861 DN 550-600 R 590-610 400 L each A.862 DN 550-600 R 570-590 600 L each A.862 DN 550-600 R 570-590 600 L each A.863 DN 550-600 R 590-610 600 L each A.864 DN 550-600 R 590-610 600 L each A.865 Bo mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.860 200 mm dia x 300 mm Packing Rubber Insertion each	A.854	DN 500-550 R 540-560 400 L	each	
A.857 DN 500-550 R 540-560 600 L each A.858 DN 550-600 R 550-570 400 L each A.859 DN 550-600 R 570-590 400 L each A.860 DN 550-600 R 590-610 400 L each A.861 DN 550-600 R 550-570 600 L each A.862 DN 550-600 R 570-590 600 L each A.863 DN 550-600 R 570-590 600 L each A.864 DN 550-600 R 570-590 600 L each PACKING RUBBER INSERTIONS A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 200 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.855	DN 500-550 R 500-520 600 L	each	
A.858 DN 550-600 R 550-570 400 L each A.859 DN 550-600 R 570-590 400 L each A.860 DN 550-600 R 590-610 400 L each A.861 DN 550-600 R 550-570 600 L each A.862 DN 550-600 R 570-590 600 L each A.863 DN 550-600 R 570-590 600 L each A.864 DN 550-600 R 590-610 600 L each PACKING RUBBER INSERTIONS A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 300 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.856	DN 500-550 R 520-540 600 L	each	
A.859 DN 550-600 R 570-590 400 L each A.860 DN 550-600 R 590-610 400 L each A.861 DN 550-600 R 550-570 600 L each A.862 DN 550-600 R 570-590 600 L each A.863 DN 550-600 R 590-610 600 L each PACKING RUBBER INSERTIONS A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.857	DN 500-550 R 540-560 600 L	each	
A.860 DN 550-600 R 590-610 400 L each A.861 DN 550-600 R 550-570 600 L each A.862 DN 550-600 R 570-590 600 L each A.863 DN 550-600 R 590-610 600 L each PACKING RUBBER INSERTIONS A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.858	DN 550-600 R 550-570 400 L	each	
A.861 DN 550-600 R 550-570 600 L each A.862 DN 550-600 R 570-590 600 L each A.863 DN 550-600 R 590-610 600 L each PACKING RUBBER INSERTIONS A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.859	DN 550-600 R 570-590 400 L	each	
A.862 DN 550-600 R 570-590 600 L each A.863 DN 550-600 R 590-610 600 L each PACKING RUBBER INSERTIONS A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.860	DN 550-600 R 590-610 400 L	each	
A.863 DN 550-600 R 590-610 600 L each PACKING RUBBER INSERTIONS A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.861	DN 550-600 R 550-570 600 L	each	
PACKING RUBBER INSERTIONS A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.862	DN 550-600 R 570-590 600 L	each	
A.864 65 mm dia x 150 mm Packing Rubber Insertion each A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.863	DN 550-600 R 590-610 600 L	each	
A.865 80 mm dia x 150 mm Packing Rubber Insertion each A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each		PACKING RUBBER INSERTIONS		
A.866 80 mm dia x 200 mm Packing Rubber Insertion each A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.864	65 mm dia x 150 mm Packing Rubber Insertion	each	
A.867 100 mm dia x 200 mm Packing Rubber Insertion each A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.865	80 mm dia x 150 mm Packing Rubber Insertion	each	
A.868 125 mm dia x 200 mm Packing Rubber Insertion each A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.866	80 mm dia x 200 mm Packing Rubber Insertion	each	
A.869 150 mm dia x 300 mm Packing Rubber Insertion each A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.867	100 mm dia x 200 mm Packing Rubber Insertion	each	
A.870 200 mm dia x 300 mm Packing Rubber Insertion each	A.868	125 mm dia x 200 mm Packing Rubber Insertion	each	
	A.869	150 mm dia x 300 mm Packing Rubber Insertion	each	
A.871 225 mm dia x 300 mm Packing Rubber Insertion each	A.870	200 mm dia x 300 mm Packing Rubber Insertion	each	
	A.871	225 mm dia x 300 mm Packing Rubber Insertion	each	

Reference No:	B/SM 61/2	Page 106 of 135
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A.872	250 mm dia x 300 mm Packing Rubber Insertion	each	
A.873	300 mm dia x 300 mm Packing Rubber Insertion	each	
A.874	350 mm dia x 400 mm Packing Rubber Insertion	each	
A.875	370 mm dia x 400 mm Packing Rubber Insertion	each	
A.876	370 mm dia x 600 mm Packing Rubber Insertion	each	
A.877	390 mm dia x 400 mm Packing Rubber Insertion	each	
A.878	390 mm dia x 600 mm Packing Rubber Insertion	each	
A.879	410 mm dia x 400 mm Packing Rubber Insertion	each	
A.880	410 mm dia x 600 mm Packing Rubber Insertion	each	
A.881	420 mm dia x 400 mm Packing Rubber Insertion	each	
A.882	420 mm dia x 600 mm Packing Rubber Insertion	each	
A.883	440 mm dia x 400 mm Packing Rubber Insertion	each	
A.884	440 mm dia x 600 mm Packing Rubber Insertion	each	
A.885	460 mm dia x 400 mm Packing Rubber Insertion	each	
A.886	460 mm dia x 600 mm Packing Rubber Insertion	each	
A.887	440 mm dia x 400 mm Packing Rubber Insertion	each	
A.888	470 mm dia x 600 mm Packing Rubber Insertion	each	
A.889	490 mm dia x 400 mm Packing Rubber Insertion	each	
A.890	490 mm dia x 600 mm Packing Rubber Insertion	each	

Reference No:	B/SM 61/2	Page 107 of 135

A.891	510 mm dia x 400 mm Packing Rubber Insertion	each	
A.892	510 mm dia x 600 mm Packing Rubber Insertion	each	
A.893	520 mm dia x 400 mm Packing Rubber Insertion	each	
A.894	520 mm dia x 600 mm Packing Rubber Insertion	each	
A.895	540 mm dia x 400 mm Packing Rubber Insertion	each	
A.896	540 mm dia x 600 mm Packing Rubber Insertion	each	
A.897	560 mm dia x 400 mm Packing Rubber Insertion	each	
A.898	560 mm dia x 600 mm Packing Rubber Insertion	each	
A.899	570 mm dia x 400 mm Packing Rubber Insertion	each	
A.900	570 mm dia x 600 mm Packing Rubber Insertion	each	
A.901	590 mm dia x 400 mm Packing Rubber Insertion	each	
A.902	590 mm dia x 600 mm Packing Rubber Insertion	each	
A.903	610 mm dia x 400 mm Packing Rubber Insertion	each	
A.904	610 mm dia x 600 mm Packing Rubber Insertion	each	
	HDPE SOLID WALL WATER PIPING PE 100		
	(Specification C.2)		
	HDPE PIPING PE 100 CLASS 12.5		
	Class 12.5 in 6 metre lengths		
A.905	75 mm (6 metre length)	6 m	
A.906	90 mm (6 metre length)	6 m	

A.907	110 mm (6 metre length)	6 m	
A.908	160 mm (6 metre length)	6 m	
A.909	180 mm (6 metre length)	6 m	
A.910	200 mm (6 metre length)	6 m	
A.911	250 mm (6 metre length)	6 m	
	Class 12.5 in 50 metre rolls		
A.912	75 mm (50 m roll)	50 m Roll	
A.913	90 mm (50 m roll)	50 m Roll	
A.914	110 mm (50 m roll)	50 m Roll	
	HDPE PIPING PE 100 CLASS 16		
	Class 16 in 6 metre lengths		
A.915	75 mm (6 metre length)	6 m	
A.916	90 mm (6 metre length)	6 m	
A.917	110 mm (6 metre length)	6 m	
A.918	160 mm (6 metre length)	6 m	
A.919	180 mm (6 metre length)	6 m	
A.920	200 mm (6 metre length)	6 m	
A.921	250 mm (6 metre length)	6 m	
	Class 16 in 50 metre rolls		

Reference No:	B/SM 61/2	Page 109 of 135

A.922	75 mm (50 m roll)	50 m Roll	
A.923	90 mm (50 m roll)	50 m Roll	
A.924	110 mm (50 m roll)	50 m Roll	
	HDPE ELECTRO-FUSION FITTINGS (Specification C.2) (Only factory moulded items allowed)	1 (0.11	
	HDPE COUPLERS Class 16		
A.925	75 mm diameter	each	
A.926	90 mm	each	
A.927	110 mm	each	
A.928	160 mm	each	
A.929	200 mm	each	
A.930	250 mm	each	
A.931	315 mm	each	
A.932	355 mm	each	
	HDPE ELBOW 30° Class 16		
A.933	75 mm diameter	each	
A.934	90 mm	each	
A.935	110 mm	each	
A.936	160 mm	each	

A.937	200 mm	each	
A.938	250 mm	each	
A.939	315 mm	each	
A.940	355 mm	each	
	HDPE ELBOW 45° Class 16		
A.941	75 mm diameter	each	
A.942	90 mm	each	
A.943	110 mm	each	
A.944	160 mm	each	
A.945	200 mm	each	
A.946	250 mm	each	
A.947	315 mm	each	
A.948	355 mm	each	
	HDPE ELBOW 90° Class 16		
A.949	75 mm diameter	each	
A.950	90 mm	each	
A.951	110 mm	each	
A.952	160 mm	each	
A.953	200 mm	each	
A.954	250 mm	each	

Reference No:	B/SM 61/2	Page 111 of 135

A.955	315 mm	each	
A.956	355 mm	each	
	HDPE ADJUSTABLE ELBOW Class 16		
A.957	90 mm diameter	each	
A.958	110 mm	each	
A.959	160 mm	each	
A.960	200 mm	each	
A.961	250 mm	each	
A.962	315 mm	each	
	HDPE EQUAL TEE Class 16 with Couplers		
A.963	75 mm diameter	each	
A.964	90 mm	each	
A.965	110 mm	each	
A.966	160 mm	each	
A.967	200 mm	each	
A.968	250 mm	each	
A.969	315 mm	each	
	HDPE EQUAL TEE Class 16 Plain Ended Branch		
A.970	75 mm diameter	each	
A.971	90 mm	each	

Reference No:	B/SM 61/2	Page 112 of 135

A.972	110 mm	each	
A.973	160 mm	each	
A.974	200 mm	each	
A.975	250 mm	each	
A.976	315 mm	each	
	HDPE UNEQUAL TEE Class 16 with Couplers		
A.977	90 x 75 mm diameter	each	
A.978	110 x 75 mm	each	
A.979	110 x 90 mm	each	
A.980	160 x 75 mm	each	
A.981	160 x 90 mm	each	
A.982	160 x 110 mm	each	
A.983	200 x 75 mm	each	
A.984	200 x 90 mm	each	
A.985	200 x 110 mm	each	
A.986	200 x 160 mm	each	
A.987	250 x 200 mm	each	
A.988	315 x 250 mm	each	
A.989	355 x 315 mm	each	
	HDPE UNEQUAL TEE Class 16 Plain Ended		

Reference No: B/SM 61/2 Page 113 of 135

A.990	90 x 75 mm diameter	each	
A.991	110 x 75 mm	each	
A.992	110 x 90 mm	each	
A.993	160 x 75 mm	each	
A.994	160 x 90 mm	each	
A.995	160 x 110 mm	each	
A.996	200 x 75 mm	each	
A.997	200 x 90 mm	each	
A.998	200 x 110 mm	each	
A.999	200 x 160 mm	each	
A.1000	250 x 200 mm	each	
A.1001	315 x 250 mm	each	
A.1002	355 x 315 mm	each	
	HDPE REDUCER Class 16 with Couplers		
A.1003	90 x 75 mm diameter	each	
A.1004	110 x 75 mm	each	
A.1005	110 x 90 mm	each	
A.1006	160 x 110 mm	each	
A.1007	200 x 160 mm	each	

Reference No:	B/SM 61/2	Page 114 of 135

A.1008	250 x 200 mm	each	
A.1009	315 x 250 mm	each	
A.1010	355 x 315 mm	each	
	HDPE REDUCER Class 16 Plain Ended		
A.1011	90 x 75 mm diameter	each	
A.1012	110 x 75 mm	each	
A.1013	110 x 90 mm	each	
A.1014	160 x 110 mm	each	
A.1015	200 x 160 mm	each	
A.1016	250 x 200 mm	each	
A.1017	315 x 250 mm	each	
A.1018	355 x 315 mm	each	
	HDPE END CAP Class 16 with Couplers		
A.1019	75 mm diameter	each	
A.1020	90 mm	each	
A.1021	110 mm	each	
A.1022	160 mm	each	
A.1023	200 mm	each	
A.1024	250 mm	each	

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315 mm	each			
HDPE STUB Class 16 with Coupling				
75 mm diameter	each			
90 mm	each			
110 mm	each			
160 mm	each			
200 mm	each			
250 mm	each			
315 mm	each			
HDPE BUTT WELD STUB Class 16				
75 mm diameter	each			
90 mm	each			
110 mm	each			
160 mm	each			
200 mm	each			
250 mm	each			
315 mm	each			
HDPE SADDLE Class 16 with 15 mm Ø BSP DZR Brass Tapping				
75 mm diameter	each			
	### HDPE STUB Class 16 with Coupling 75 mm diameter 90 mm 110 mm 160 mm 200 mm 250 mm 315 mm ##################################	### HDPE STUB Class 16 with Coupling 75 mm diameter 90 mm each 110 mm each 200 mm each 250 mm each 315 mm each ###################################	### HDPE STUB Class 16 with Coupling 75 mm diameter 90 mm each 110 mm each 160 mm 200 mm each 250 mm 315 mm ##################################	HDPE STUB Class 16 with Coupling each 75 mm diameter each 90 mm each 110 mm each 160 mm each 200 mm each 250 mm each 315 mm each HDPE BUTT WELD STUB Class 16 each 75 mm diameter each 90 mm each 110 mm each 160 mm each 200 mm each 250 mm each 315 mm each HDPE SADDLE Class 16 with 15 mm Ø BSP DZR Brass Tapping each

Reference No:	B/SM 61/2	Page 116 of 135

A.1041	90 mm	each	
A.1042	110 mm	each	
A.1043	160 mm	each	
A.1044	200 mm	each	
A.1045	250 mm	each	
A.1046	315 mm	each	
	HDPE SADDLE Class 16 with 20 mm Ø BSP DZR Brass Tapping		
A.1047	75 mm diameter	each	
A.1048	90 mm	each	
A.1049	110 mm	each	
A.1050	160 mm	each	
A.1051	200 mm	each	
A.1052	250 mm	each	
A.1053	315 mm	each	
	HDPE SADDLE Class 16 with 28 mm Ø BSP DZR Brass Tapping		
A.1054	75 mm diameter	each	
A.1055	90 mm	each	
A.1056	110 mm	each	
A.1050 A.1051 A.1052 A.1053 A.1054 A.1055	160 mm 200 mm 250 mm 315 mm HDPE SADDLE Class 16 with 28 mm Ø BSP DZR Brass Tapping 75 mm diameter 90 mm	each each each each	

Reference No:	B/SM 61/2	Page 117 of 135
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A.1057	160 mm	each	
A.1058	200 mm	each	
A.1059	250 mm	each	
A.1060	315 mm	each	
	HDPE SADDLE Class 16 with 40 mm Ø BSP DZR Brass Tapping		
A.1061	75 mm diameter	each	
A.1062	90 mm	each	
A.1063	110 mm	each	
A.1064	160 mm	each	
A.1065	200 mm	each	
A.1066	250 mm	each	
A.1067	315 mm	each	
	HDPE SADDLE Class 16 with 50 mm Ø BSP DZR Brass Tapping		
A.1068	75 mm diameter	each	
A.1069	90 mm	each	
A.1070	110 mm	each	
A.1071	160 mm	each	
A.1072	200 mm	each	

A.1073	250 mm	each	
A.1074	315 mm	each	
	HDPE HALF SADDLE Class 6 with 45° Junction Take Off (sewerage application)		
A.1075	110 mm diameter	each	
A.1076	160 mm	each	
	HDPE 45° ELBOW Class 6 (sewerage application)		
A.1077	110 mm diameter	each	
A.1078	160 mm	each	-
	DUCTILE IRON PIPES (SANS 50545) (Specification C.3)		
	DUCTILE IRON PIPES FOR WATER PRESSURE SYSTEMS) (Cement lined) CLASS K9		
A.1079	100 mm diameter	metre	
A.1080	125 mm	metre	
A.1081	150 mm	metre	
A.1082	200 mm	metre	
A.1083	250 mm	metre	
A.1084	300 mm	metre	
A.1085	350 mm	metre	

Reference No:	B/SM 61/2	Page 119 of 135
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A.1086	400 mm	metre	
A.1087	450 mm	metre	
A.1088	500 mm	metre	
A.1089	600 mm	metre	
A.1090	700 mm	metre	
	WATER SURFACE BOXES		
	(Specification C.10)		
	POLYAMIDE NYLON (PA) BELL TOBIES		
	AVK Series 80/31 Classic (or similar approved) with retaining pin bolt		
A.1091	Bell Toby with round cast iron lid	each	
A.1092	Bell Toby with round synthetic lid	each	
	DUCTILE IRON BELL TOBIES		
A.1093	with round ductile iron lid and retaining pin	each	
	DUCTILE IRON FIRE HYDRANT COVERS AND FRAMES		
	With loose cover		
A.1094	Loose Cover and Frame	each	
A.1095	Loose Cover only	each	
	With sliding cover		
A.1096	Sliding Cover and Frame	each	
A.1097	Sliding Cover only	each	

	DUCTILE IRON MANHOLE COVER AND FRAME (Sanspar or		
	similar approved)		
	With hinged snap closing cover		
A.1098	Size 900 x 450	each	
	Y-STANDARD STEEL DROPPERS		
A.1099	1400 mm Long	each	
A.1100	1800 mm Long	each	
	B. SEWER PIPES AND F	TTINGS	
	UPVC SEWER PIPES AND FITTINGS		
	complete with socket and rubber seal		
	(Specification C.1)		
	UPVC SEWER PIPES Class 34		
	in 6 m lengths		
B.1	75 mm diameter	6 m	
B.2	90 mm	6 m	
B.3	110 mm	6 m	
B.4	160 mm	6 m	
B.5	200 mm	6 m	
B.6	250 mm	6 m	
B.7	315 mm	6 m	
B.8	355 mm	6 m	
B.9	400 mm	6 m	

Reference No:	B/SM 61/2	Page 121 of 135
Reference No:	B/SIVI 61/2	Page 121 of 135

	UPVC SEWER BENDS Class 34		
	Long Radius		
	UPVC BENDS 90° (Long) Spigot to Socket		
B.10	110 mm diameter	each	
B.11	160 mm	each	
B.12	200 mm	each	
	UPVC BENDS 45° (Long) Spigot to Socket		
B.13	110 mm diameter	each	
B.14	160 mm	each	
B.15	200 mm	each	
	UPVC SEWER JUNCTIONS Class 34		
	UPVC PLAIN JUNCTIONS 45°		
B.16	160 mm x 110 mm diameter	each	
B.17	160 mm x 160 mm	each	
B.18	200 mm x 110 mm	each	
B.19	200 mm x 160 mm	each	
B.20	200 mm x 225 mm	each	
B.21	250 mm x 110 mm	each	
B.22	250 mm x 160 mm	each	
	UPVC SADDLE JUNCTIONS 45°		

B.23	160 mm x 110 mm diameter	each	
B.24	200 mm x 110 mm	each	
B.25	200 mm x 160 mm	each	
B.26	250 mm x 110 mm	each	
B.27	250 mm x 160 mm	each	
	UPVC ADAPTORS		
	AC to PVC Class 34		
B.28	110 mm diameter	each	
B.29	160 mm	each	
	PVC to CLAY Class 34		
B.30	110 mm diameter	each	
B.31	160 mm	each	
	END CAPS (solvent welded)		
B.32	110 mm diameter	each	
B.33	160 mm	each	
	LIGHT WEIGHT SEWERAGE NON-RETURN VALVE with flow sensitive door. All components moulded and non-corrosive.		
B.34	110 mm diameter	each	
B.35	160 mm	each	
	STRUCTURED WALL HDPE SEWER PIPES		

	(Six metre length with socketed coupling and rubber seal complete)		
	(Specification C.2) HDPE STRUCTURED WALL PIPES		
	4 kN/m Ring Stiffness		
B.36	225 mm diameter	6 m	
B.37	250 mm	6 m	
B.38	300 (315) mm	6 m	
B.39	350 mm	6 m	
B.40	400 mm	6 m	
B.41	450 mm	6 m	
B.42	500 mm	6 m	
B.43	600 (630) mm	6 m	
B.44	700 (710) mm	6 m	
B.45	800 mm	6 m	
B.46	900 mm	6 m	
B.47	1000 mm	6 m	
B.48	1100 mm	6 m	
B.49	1200 mm	6 m	
	HDPE STRUCTURED WALL PIPES		
	6 kN/m Ring Stiffness		

Reference No:	B/SM 61/2	Page 124 of 135
Reference No.	D/SIVI 01/2	raye 124 01 133

	B.50	225 mm diameter	6 m	
	B.51	250 mm	6 m	
	B.52	300 (315) mm	6 m	
	B.53	350 mm	6 m	
	B.54	400 mm	6 m	
	B.55	450 mm	6 m	
	B.56	500 mm	6 m	
	B.57	600 (630) mm	6 m	
	B.58	700 (710) mm	6 m	
	B.59	800 mm	6 m	
	B.60	900 mm	6 m	
	B.61	1000 mm	6 m	
	B.62	1100 mm	6 m	
	B.63	1200 mm	6 m	
		HDPE STRUCTURED WALL PIPES		
		8 kN/m Ring Stiffness		
-	B.64	225 mm diameter	6 m	
	B.65	250 mm	6 m	
	B.66	300 (315) mm	6 m	
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Reference No:	B/SM 61/2	Page 125 of 135
Reference No.	D/SIVI 01/2	raye 125 01 135

B.67	350 mm	6 m	
B.68	400 mm	6 m	
B.69	450 mm	6 m	
B.70	500 mm	6 m	
B.71	600 (630) mm	6 m	
B.72	700 (710) mm	6 m	
B.73	800 mm	6 m	
B.74	900 mm	6 m	
B.75	1000 mm	6 m	
B.76	1100 mm	6 m	
B.77	1200 mm	6 m	
	DUCTILE IRON PIPES (SANS 50545)		
	(Specification C.3)		
	DUCTILE IRON PIPES FOR SEWER SYSTEMS) (Cement lined) CLASS K7		
B.78	100 mm	metre	
B.79	150 mm	metre	
B.80	200 mm	metre	
B.81	250 mm	metre	
B.82	300 mm	metre	
			

Reference No:	B/SM 61/2	Page 126 of 135
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400 mm	metre		
450 mm	metre		
500 mm	metre		
600 mm	metre		
600 mm	metre		
700 mm	metre		
PRECAST CONCRETE MANHOLES			
Concrete Cover Lids 560 mm diameter			
Medium Duty	each		
Heavy Duty	each		
Extra Heavy Duty	each		
Spacer Slab			
Round - 750 mm diameter with 560 mm diameter hole 75 mm thick	each		
Square - 900 mm square with 560 mm diameter hole 75 mm thick	each		
Adaptor Slab			
Round - 750 mm diameter with 560 mm diameter hole 150 mm thick	each		
4A - 860 mm outside diameter with 560 mm diameter hole 125 mm thick	each		
Square - 900 mm square with 560 mm diameter hole 125 mm thick	each		
	450 mm 500 mm 600 mm 700 mm PRECAST CONCRETE MANHOLES (SANS 1294) (Specification C.8) Concrete Cover Lids 560 mm diameter Medium Duty Heavy Duty Extra Heavy Duty Spacer Slab Round - 750 mm diameter with 560 mm diameter hole 75 mm thick Adaptor Slab Round - 750 mm diameter with 560 mm diameter hole 75 mm thick 4A - 860 mm outside diameter with 560 mm diameter hole 150 mm thick 4A - 860 mm outside diameter with 560 mm diameter hole 125 mm thick	450 mm metre 500 mm metre 600 mm metre 600 mm metre 700 mm metre PRECAST CONCRETE MANHOLES (SANS 1294) (Specification C.8) Concrete Cover Lids 560 mm diameter Medium Duty each Heavy Duty each Extra Heavy Duty each Spacer Slab Round - 750 mm diameter with 560 mm diameter hole 75 mm thick each Square - 900 mm square with 560 mm diameter hole 75 mm thick each Adaptor Slab Round - 750 mm diameter with 560 mm diameter hole 150 mm thick each 4A - 860 mm outside diameter with 560 mm diameter hole 150 mm thick each	450 mm metre 500 mm metre 600 mm metre 600 mm metre 700 mm metre PRECAST CONCRETE MANHOLES (SANS 1294) (Specification C.8) Concrete Cover Lids 560 mm diameter Medium Duty each Extra Heavy Duty each Spacer Slab Round - 750 mm diameter with 560 mm diameter hole 75 mm thick each Adaptor Slab Round - 750 mm diameter with 560 mm diameter hole 150 mm thick each 4A - 860 mm outside diameter with 560 mm diameter hole 125 mm thick each

	Access Shaft Rings		
B.97	750 mm diameter 250 mm high (1 step)	each	
B.98	750 mm diameter 500 mm high (2 steps)	each	
B.99	750 mm diameter 1000 mm high (3 steps)	each	
	Reducer Slab (reducing to 750 mm diameter)		
B.100	1000 mm diameter	each	
B.101	1250 mm diameter	each	
B.102	1500 mm diameter	each	
	Cover Slab (reducing to 560 mm diameter)		
B.103	1000 mm diameter	each	
B.104	1250 mm diameter	each	
B.105	1500 mm diameter	each	
	Chamber Rings		
B.106	1000 mm diameter 250 mm high (1 step)	each	
B.107	1000 mm diameter 500 mm high (2 steps)	each	
B.108	1000 mm diameter 1000 mm high (3 steps)	each	
B.109	1250 mm diameter 250 mm high (1 step)	each	
B.110	1250 mm diameter 500 mm high (2 steps)	each	
B.111	1250 mm diameter 1000 mm high (3 steps)	each	
B.112	1500 mm diameter 250 mm high (1 step)	each	
	1		

B.113	1500 mm diameter 500 mm high (2 steps)	each	
B.114	1500 mm diameter 1000 mm high (3 steps)	each	
	MANHOLE COVERS AND FRAMES		
	(Specification C.9)		
	Manhole covers and frames		
	Heavy Duty Type 2A Modified		
B.115	Cast Iron	each	
B.116	Ductile Iron (hinged with rubber seal)	each	
B.117	Polymer Concrete	each	
	Manhole covers only		
	Heavy Duty Type 2A		
B.118	Cast Iron	each	
B.119	Ductile Iron	each	
B.120	Polymer Concrete	each	
	Rectangular manhole covers and frames Ductile Iron Type 9 (600 x 450)		
B.121	Light Duty	each	
B.122	Medium Duty	each	_
B.123	Heavy Duty	each	
B.124	Polymer concrete replacement cover	each	
	FIBRE CEMENT MANHOLE INVERT CHANNELS (Specification C.12)	_	

Reference No: B/SM 61/2 Page 129 of

	Channel Straights 600 mm long			
B.125	100 mm dia	No.		
B.126	150 mm dia	No.		
	Channel Straights 1000 mm long			
B.127	100 mm dia	No.		
B.128	150 mm dia	No.		
B.129	200 mm dia	No.		
B.130	250 mm dia	No.		
	Channel Tapers 1000 mm long			
B.131	150 mm x 100 mm	No.		
B.132	200 mm x 100 mm	No.		
B.133	200 mm x 150 mm	No.		
B.134	250 mm x 100 mm	No.		
B.135	250 mm x 150 mm	No.		
B.136	250 mm x 200 mm	No.		
	Channel Bends 90°			
B.137	100 mm dia 200 mm radius	No.		
B.138	100 mm dia long radius	No.		
B.139	150 mm dia 300 mm radius	No.		
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Reference No:	B/SM	61/2	Page 130 of 135
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B.140	150 mm dia long radius	No.		Π
B.141	200 mm dia 400 mm radius	No.		
B.142	200 mm dia long radius	No.		
B.143	250 mm dia 500 mm radius	No.		
	Channel Bends 45°			
B.144	100 mm dia 200 mm radius	No.		
B.145	100 mm dia long radius	No.		
B.146	150 mm dia 300 mm radius	No.		
B.147	150 mm dia long radius	No.		
B.148	200 mm dia 400 mm radius	No.		
B.149	200 mm dia long radius	No.		
B.150	250 mm dia 500 mm radius	No.		
	Channel Bends 22.5°			
B.151	100 mm dia 200 mm radius	No.		
B.152	150 mm dia 300 mm radius	No.		
B.153	200 mm dia 400 mm radius	No.		
B.154	250 mm dia 500 mm radius	No.		
	Channel Bends 11.25°			
B.155	100 mm dia 200 mm radius	No.		
B.155	100 mm dia 200 mm radius	No.		

Reference No:	B/SM 61/2	Page 131 of 135
Reference No.	DISINI UI/Z	rage is i to iss

B.156	150 mm dia 300 mm radius	No.	
B.157	200 mm dia 400 mm radius	No.	
B.158	250 mm dia 500 mm radius	No.	
	Left Hand Channel Junctions		
B.159	100 mm x 100 mm	No.	
B.160	150 mm x 100 mm	No.	
B.161	150 mm x 150 mm	No.	
B.162	200 mm x 100 mm	No.	
B.163	200 mm x 150 mm	No.	
B.164	200 mm x 200 mm	No.	
B.165	250 mm x 100 mm	No.	
B.166	250 mm x 150 mm	No.	
B.167	250 mm x 200 mm	No.	
B.168	250 mm x 250 mm	No.	
	Right Hand Channel Junctions		
B.169	100 mm x 100 mm	No.	
B.170	150 mm x 100 mm	No.	
B.171	150 mm x 150 mm	No.	
B.172	200 mm x 100 mm	No.	
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Reference No: B/SM 61/2	Page 132 of 135
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B.173	200 mm x 150 mm	No.	
B.174	200 mm x 200 mm	No.	
B.175	250 mm x 100 mm	No.	
B.176	250 mm x 150 mm	No.	
B.177	250 mm x 200 mm	No.	
B.178	250 mm x 250 mm	No.	
	Double Channel Junctions (Left & Right)		
B.179	100 mm x 100 mm	No.	
B.180	150 mm x 100 mm	No.	
B.181	150 mm x 150 mm	No.	
B.182	200 mm x 100 mm	No.	
B.183	200 mm x 150 mm	No.	
B.184	200 mm x 200 mm	No.	
B.185	250 mm x 100 mm	No.	
B.186	250 mm x 150 mm	No.	
B.187	250 mm x 200 mm	No.	
B.188	250 mm x 250 mm	No.	
	HDPE DUCT PIPES including couplings (Kabelflex OR SIMILAR APPROVED) per SANS IEC 61386-24 and BS EN 50086-2-4		



B.189	75 mm diameter	metre	
B.190	110 mm diameter	metre	

17. DECLARATION BY TENDERER

I / We acknowledge that I / we am / are fully acquainted with the contents of the conditions of tender of this tender document and that I / we accept the conditions in all respects.							
I / We agree that the laws of the Republic of South Africa shall be applicable to the contract resulting from the acceptance of *my / our tender and that I / we elect <i>domicillium citandi et executandi</i> (physical address at which legal proceedings may be instituted) in the Republic at:							
•	I / We accept full responsibility for the proper execution and fulfillment of all obligations and conditions devolving in me / us under this agreement as the principal liable for the due fulfillment of this contract.						
our tender; that the the price(s) cover	I / We furthermore confirm I / we satisfied myself / ourselves as to the corrections and validity of my / our tender; that the price quoted cover all the work / items specified in the tender documents and that the price(s) cover all my / our obligations under a resulting contract and that I / we accept that any mistake(s) regarding price and calculations will be at my / our risk.						
I / We furthermore confirm that my / our offer remains binding upon me / us and open for acceptance by the Purchases / Employer during the validity period indicated and calculated from the closing date of the bid.							
SIGNATURE NAME (PRINT)							
CAPACITY							
NAME OF FIRM							
WITNESS 1		WITNESS 2					

Reference No: B/SM 61/2	Page 135 of 135
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