



NEC3 Supply Contract (SC3)

Between **ESKOM HOLDINGS SOC Ltd**
(Reg No. 2002/015527/30)

and
(Reg No. _____)

For **Supply and Delivery of Pipe and Fittings at Arnot
Power Station on as and when Needed Basis for a
Period of Thirty-Six (36) Months**

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CONTRACT No. TBA

PART C1: AGREEMENTS & CONTRACT DATA

Contents:	No of pages
C1.1 Form of Offer and Acceptance	[●]
[to be inserted from Returnable Documents at award stage]	
C1.2a Contract Data provided by the <i>Purchaser</i>	[●]
C1.2b Contract Data provided by the <i>Supplier</i>	[●]
[to be inserted from Returnable Documents at award stage]	

C1.1 Form of Offer & Acceptance

Offer

The Purchaser, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of:

Supply and Delivery of Pipe and Fittings at Arnot Power Station on as and when needed basis for a period of thirty-six (36) months

The tenderer, identified in the Offer signature block, has

<i>either</i>	examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.
<i>or</i>	examined the draft contract as listed in the Acceptance section and agreed to provide this Offer.

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

	The offered total of the Prices exclusive of VAT is	R
	Value Added Tax @ 15% is	R
	The offered total of the amount due inclusive of VAT is ¹	R
	(in words)	

This Offer may be accepted by the Purchaser by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the *Supplier* in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

¹ This total is required by the *Purchaser* for budgeting purposes only. Actual amounts due will be assessed in terms of the *conditions of contract*.

Acceptance

By signing this part of this Form of Offer and Acceptance, the Purchaser identified below accepts the tenderer's Offer. In consideration thereof, the Purchaser shall pay the Supplier the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the Purchaser and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work: Goods Information including Supply Requirements

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

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

The tenderer shall within two weeks of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the Purchaser's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data at, or just after, the date this agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed and signed original copy of this document, including the Schedule of Deviations (if any).

Signature(s)

Name(s)

Capacity

for the
Purchaser

**Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg,
2199**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Note: If a tenderer wishes to submit alternative tenders, use another copy of this Form of Offer and Acceptance.

Schedule of Deviations to be completed by the *Purchaser* prior to contract award

Note:

1. This part of the Offer & Acceptance would not be required if the contract has been developed by negotiation between the Parties and is not the result of a process of competitive tendering.
2. The extent of deviations from the tender documents issued by the Purchaser prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
3. A tenderer's covering letter must not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid be the subject of agreement reached during the process of Offer and Acceptance, the outcome of such agreement shall be recorded here, and the final draft of the contract documents shall be revised to incorporate the effect of it.

No.	Subject	Details
1	[•]	[•]
2	[•]	[•]
3	[•]	[•]
4	[•]	[•]
5	[•]	[•]
6	[•]	[•]
7	[•]	[•]

By the duly authorised representatives signing this Schedule of Deviations below, the Purchaser and the tenderer agree to and accept this Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules, as well as any confirmation, clarification or changes to the terms of the Offer agreed by the tenderer and the Purchaser during this process of Offer and Acceptance.

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

For the tenderer:**For the Purchaser**

Signature _____

Name _____

Capacity _____

On behalf of _____
(Insert name and address of organisation)

**Eskom Holdings SOC Ltd,
Reg No: 2002/015527/06),
Arnot Power Station,
Private Bag x2,
Rietkuil
1097**

Name & signature of witness _____

Date _____

C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

Completion of this data in full, according to the Options chosen, is essential to create a complete contract.

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	
		X1: Price adjustment for inflation X2: Changes in the law X7 Delay damages Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) ¹	
10.1	The <i>Purchaser</i> is (name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state-owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
	Tel No.	[•]
	Fax No.	[•]
10.1	The <i>Supply Manager</i> is (name):	
	Address	Eskom Holdings SOC Limited (Reg No: 2002/015527/06) Arnot Power Station Private Bag x2, Rietkuil 1097
	Tel	[•]
	Fax	[•]
	e-mail	[•]
11.2(13)	The <i>goods</i> are	Pipes and Fittings
11.2(13)	The <i>services</i> are	Supply and Delivery of Pipes and Fittings on as and when needed at Arnot Power Station for thirty-six months

¹ Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 539 1902, www.ecs.co.za.

11.2(14)	The following matters will be included in the Risk Register	Late deliveries Manufacturing of goods not according to specifications	
11.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.	
11.2(15)	The Supply Requirements as part of the Goods Information is in	Annexure A to this Contract Data	
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa	
13.1	The <i>language of this contract</i> is	English	
13.3	The <i>period for reply</i> is	5 working days	
2	The <i>Supplier's</i> main responsibilities	Data required by this section of the core clauses is provided by the <i>Supplier</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.	
3	Time		
30.1	The <i>starting date</i> is.	TBA	
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<i>goods and services</i>	<i>delivery date</i>
		1. As and when required	As stated in every Purchase Order issued
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to the Delivery Place more than one week before the Delivery Date.	N/A	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	N/A	
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	N/A	
4	Testing and defects		
42	The <i>defects date</i> is	52 weeks after Delivery	
42.2	The <i>defects access period</i> is	7 days	
43.2	The <i>defect correction period</i> is	2 weeks after delivery of goods or as agreed by the parties	
5	Payment		
50.1	The <i>assessment interval</i> is	Between the 25 th day of each successive month or upon safe delivery and having met all the required standard and signed off	
51.1	The <i>currency of this contract</i> is the	South African Rand (ZAR)	
51.2	The period within which payments are made is	30 days after the receipt of correct and undisputed tax invoice.	

51.4	The <i>interest rate</i> is	the publicly quoted prime rate of interest (calculated on a 365-day year) charged from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands.
6	Compensation events	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
7	Title	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
8	Risks, liabilities, indemnities and insurance	
80.1	These are additional <i>Purchaser's</i> risks	None
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (Zero Rand)
9	Termination and dispute resolution	
94.1	The <i>Adjudicator</i> is	The person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
	Address	[•]
	Tel No.	[•]
	Fax No.	[•]
	e-mail	[•]
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)
94.4(2)	The <i>tribunal</i> is:	Arbitration
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
94.4(5)	The place where arbitration is to be held is	[•] South Africa

	The person or organisation who will choose an arbitrator		the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.	
	<div><div>- if the Parties cannot agree a choice or</div><div>- if the arbitration procedure does not state who selects an arbitrator, is</div></div>			
10	Data for Option clauses			
X1	Price adjustment for inflation			
X1.1	The <i>base date</i> for indices is	[•].		
	The proportions used to calculate the Price Adjustment Factor are:	proportion	linked to index for	Index prepared by
		15%	Fixed	Fixed Portion
		5%	CPI	SEIFSA Table D4
		60%	Material	SEIFSA Table M6 (Construction Pipes, Tubes & Fittings)
		20%	Transport	SEIFSA Table L2 (B)
		100%		
X2	Changes in the law			
X2.1	A change in the law of	Is a compensation event if it occurs after the Contract Date		
X7	Delay damages			
X7.1	Delay damages for Delivery are	Delivery of	amount per day	
		Incorrect items or late delivery	1% of purchase order value per day up to a maximum of 10% of purchase order value	
	(b) Delivery Lead Time		To be agreed by both parties	
Z	The <i>additional conditions of contract</i> are		Z1 to Z15 always apply for Eskom	

Z1 Cession delegation and assignment

- Z1.1 The *Supplier* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Purchaser*.
- Z1.2 Notwithstanding the above, the *Purchaser* may on written notice to the *Supplier* cede and delegate its rights and obligations under this contract to any of its subsidiaries or any of its present divisions or operations which may be converted into separate legal entities as a result of the restructuring of the Electricity Supply Industry.

Z2 Joint ventures

- Z2.1 If the *Supplier* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations then these persons or organisations are deemed to be jointly and severally liable to the *Purchaser* for the performance of this contract.
- Z2.2 Unless already notified to the *Purchaser*, the persons or organisations notify the *Supply Manager* within two weeks of the Contract Date of the key person who has the authority to bind the *Supplier* on their behalf.
- Z2.3 The *Supplier* does not alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Purchaser* having been given to the *Supplier* in writing.

Z3 Change of Broad Based Black Economic Empowerment (B-BBEE) status

- Z3.1 Where a change in the *Supplier's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Supplier's* B-BBEE status, the *Supplier* notifies the *Purchaser* within seven days of the change.
- Z3.2 The *Supplier* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Supply Manager* within thirty days of the notification or as otherwise instructed by the *Supply Manager*.
- Z3.3 Where, as a result, the *Supplier's* B-BBEE status has decreased since the Contract Date the *Purchaser* may either re-negotiate this contract or alternatively, terminate the *Supplier's* obligation to Provide the Goods and Services.
- Z3.4 Failure by the *Supplier* to notify the *Purchaser* of a change in its B-BBEE status may constitute a reason for termination. If the *Purchaser* terminates in terms of this clause, the procedures on termination are P1, P2 and P3 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.

Z4 Confidentiality

- Z4.1 The *Supplier* does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Supplier*, enters the public domain or to information which was already in the possession of the *Supplier* at the time of disclosure (evidenced by written records in existence at that time). Should the *Supplier* disclose information to Others in terms of clause 23.1, the *Supplier* ensures that the provisions of this clause are complied with by the recipient.
- Z4.2 If the *Supplier* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Supply Manager*.
- Z4.3 In the event that the *Supplier* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Supplier*, to the extent permitted by law prior to disclosure, notifies the *Purchaser* so that an appropriate protection order and/or any other action can be taken if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Supplier* may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.
- Z4.4 The taking of images (whether photographs, video footage or otherwise) of the *goods* or any portion thereof, in the course of Providing the Goods and Services and after Delivery, requires the prior written consent of the *Supply Manager*. All rights in and to all such images vests exclusively in the *Purchaser*.

Z4.5 The *Supplier* ensures that all his subcontractors abide by the undertakings in this clause.

Z5 Waiver and estoppel: Add to core clause 12.3:

Z5.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the *Supply Manager* or the *Adjudicator* does not constitute a waiver of rights and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.

Z6 Health, safety and the environment: Add to core clause 25.4

Z6.1 The *Supplier* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the provision of the *goods* and execution of the *services*.

Without limitation the *Supplier*:

- warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with all applicable health & safety laws and regulations and the health and safety rules, guidelines and procedures provided for in this contract and generally for the proper maintenance of health & safety in and about the execution of supply and
- undertakes, in and about the execution of the supply, to comply with all applicable health & safety laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Supplier's* direction and control, likewise observe and comply with the foregoing.

Z6.2 The *Supplier*, in and about the execution of the supply, complies with all applicable environmental laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the *Supplier's* direction and control, likewise observe and comply with the foregoing.

Z7 Provision of a Tax Invoice and interest. Add to core clause 51

Z7.1 Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice in accordance with the *Purchaser's* procedures stated in the Goods Information, showing the amount due for payment equal to that stated in the payment certificate.

Z7.2 If the *Supplier* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Purchaser* is to make a payment is extended by a period equal in time to the delayed submission of the correct tax invoice. Interest due by the *Purchaser* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.

Z7.3 The *Supplier* (if registered in South Africa in terms of the companies Act) is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the *Purchaser's* VAT number 4740101508 on each invoice he submits for payment.

Z8 Notifying compensation events

Z8.1 Delete from the last sentence in core clause 61.3 the words, "unless the event arises from the *Supply Manager* giving an instruction, changing an earlier decision or correcting an assumption".

Z9 Purchaser's limitation of liability

Z9.1 The *Purchaser's* liability to the *Supplier* for the *Supplier's* indirect or consequential loss is limited to R0.00 (zero Rand)

Z9.2 The *Supplier's* entitlement under the indemnity in 83.1 is provided for in 60.1(12) and the *Purchaser's* liability under the indemnity is limited.

Z10 Termination: Add to core clause 91.1, at the second main bullet point, fourth sub-bullet point, after the words "against it":

Z10.1 or had a business rescue order granted against it.

Z11 Addition to secondary Option X7 Delay damages (if applicable in this contract)

Z11.1 If the amount due for the *Supplier's* payment of delay damages reaches the limits stated in this Contract Data for Option X7, the *Purchaser* may terminate the *Supplier's* obligation to Provide the Goods and Services using the same procedures and payment on termination as those applied for reasons R1 to R15 or R18 stated in the Termination Table.

Z12 Ethics

For the purposes of this Z-clause, the following definitions apply:

Affected Party	means, as the context requires, any party, irrespective of whether it is the <i>Supplier</i> or a third party, such party's employees, agents, or Subcontractors or Subcontractor's employees, or any one or more of all of these parties' relatives or friends,
Coercive Action	means to harm or threaten to harm, directly or indirectly, an Affected Party or the property of an Affected Party, or to otherwise influence or attempt to influence an Affected Party to act unlawfully or illegally,
Collusive Action	means where two or more parties co-operate to achieve an unlawful or illegal purpose, including to influence an Affected Party to act unlawfully or illegally,
Committing Party	means, as the context requires, the <i>Supplier</i> , or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's employees,
Corrupt Action	means the offering, giving, taking, or soliciting, directly or indirectly, of a good or service to unlawfully or illegally influence the actions of an Affected Party,
Fraudulent Action	means any unlawfully or illegally intentional act or omission that misleads, or attempts to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,
Obstructive Action	means a Committing Party unlawfully or illegally destroying, falsifying, altering or concealing information or making false statements to materially impede an investigation into allegations of Prohibited Action, and
Prohibited Action	means any one or more of a Coercive Action, Collusive Action Corrupt Action, Fraudulent Action or Obstructive Action.

Z12.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.

Z12.2 The *Purchaser* may terminate the *Supplier's* obligation to Provide the Services if a Committing Party has taken such Prohibited Action and the *Supplier* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Purchaser* has. It is not required that the Committing Party had to have been found guilty, in court or in any other similar process, of such Prohibited Action before the *Purchaser* can terminate the *Supplier's* obligation to Provide the Services for this reason.

Z12.3 If the *Purchaser* terminates the *Supplier's* obligation to Provide the Services for this reason, the amounts due on termination are those intended in core clauses 92.1 and 92.2.

Z12.4 A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited Action. Where the *Purchaser* does not have a contractual bond with the Committing Party, the *Supplier* ensures that the Committing Party co-operates fully with an investigation.

Z13 Insurance

Z 13.1 Replace core clause 84 with the following:

Insurance cover 84

84.1 When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this contract are in force.

84.2 The *Supplier* provides the insurances stated in the Insurance Table A for events which are at the *Supplier's* risk from the *starting date* until the last *defects date* or a termination certificate has been issued.

INSURANCE TABLE A

Insurance against	Minimum amount of cover or minimum limit of indemnity
Loss of or damage to the <i>goods</i> , plant and materials	The replacement cost where not covered by the <i>Purchaser's</i> insurance. The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance.
Liability for loss of or damage to property (except the <i>goods</i> , plant and materials and equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Supplier</i>) caused by activity in connection with this contract	<u>Loss of or damage to property</u> <u>Purchaser's property</u> The replacement cost where not covered by the <i>Purchaser's</i> insurance. The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance. <u>Other property</u> The replacement cost <u>Death of or bodily injury</u> The amount required by the applicable law.
Liability for death of or bodily injury to employees of the <i>Supplier</i> arising out of and in the course of their employment in connection with this contract	The amount required by the applicable law

Z 13.2 Replace core clause 87 with the following:**Insurance by the *Purchaser***

87

87.1 The *Purchaser* provides the insurances stated in the Insurance Table B**INSURANCE TABLE B**

Insurance against or name of policy	Minimum amount of cover or minimum of indemnity
Assets All Risk	Per the insurance policy document
Contract Works insurance	Per the insurance policy document
Environmental Liability	Per the insurance policy document
General and Public Liability	Per the insurance policy document
Transportation (Marine)	Per the insurance policy document
Motor Fleet and Mobile Plant	Per the insurance policy document
Terrorism	Per the insurance policy document
Cyber Liability	Per the insurance policy document
Nuclear Material Damage and Business Interruption	Per the insurance policy document

Nuclear Material Damage Terrorism	Per the insurance policy document
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Z14 Nuclear Liability

- Z14.1 The *Purchaser* is the operator of the Koeberg Nuclear Power Station (KNPS), a nuclear installation, as designated by the National Nuclear Regulator of the Republic of South Africa, and is the holder of a nuclear licence in respect of the KNPS.
- Z14.2 The *Purchaser* is solely responsible for and indemnifies the *Supplier* or any other person against any and all liabilities which the *Supplier* or any person may incur arising out of or resulting from nuclear damage, as defined in Act 47 of 1999, save to the extent that any liabilities are incurred due to the unlawful intent of the *Supplier* or any other person or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.3 Subject to clause Z14.4 below, the *Purchaser* waives all rights of recourse, arising from the aforesaid, save to the extent that any claims arise or liability is incurred due or attributable to the unlawful intent of the *Supplier* or any other person, or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.4 The *Purchaser* does not waive its rights provided for in section 30 (7) of Act 47 of 1999, or any replacement section dealing with the same subject matter.
- Z14.5 The protection afforded by the provisions hereof shall be in effect until the KNPS is decommissioned.

Z15 Asbestos

For the purposes of this Z-clause, the following definitions apply:

AAIA	means approved asbestos inspection authority.
ACM	means asbestos containing materials.
AL	means action level, i.e. a level of 50% of the OEL, i.e. 0.1 regulated asbestos fibres per ml of air measured over a 4-hour period. The value at which proactive actions is required in order to control asbestos exposure to prevent exceeding the OEL.
Ambient Air	means breathable air in area of work with specific reference to breathing zone, which is defined to be a virtual area within a radius of approximately 30cm from the nose inlet.
Compliance Monitoring	means compliance sampling used to assess whether or not the personal exposure of workers to regulated asbestos fibres is in compliance with the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.
OEL	means occupational exposure limit.
Parallel Measurements	means measurements performed in parallel, yet separately, to existing measurements to verify validity of results.
Safe Levels	means airborne asbestos exposure levels conforming to the Standard's

requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.

Standard means the *Purchaser's* Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos Containing Material, Equipment and Articles.

SANAS means the South African National Accreditation System.

TWA means the average exposure, within a given workplace, to airborne asbestos fibres, normalised to the baseline of a 4-hour continuous period, also applicable to short term exposures, i.e. 10-minute TWA.

Z15.1 The *Purchaser* ensures that the Ambient Air in the area where the *Supplier* will Provide the Services conforms to the acceptable prescribed South African standard for asbestos, as per the regulations published in GNR 155 of 10 February 2002, under the Occupational Health and Safety Act, 1993 (Act 85 of 1993) ("Asbestos Regulations"). The OEL for asbestos is 0.2 regulated asbestos fibres per millilitre of air as a 4-hour TWA, averaged over any continuous period of four hours, and the short-term exposure limit of 0.6 regulated asbestos fibres per millilitre of air as a 10-minute TWA, averaged over any 10 minutes, measured in accordance with HSG248 and monitored according to HSG173 and OESSM.

Z15.2 Upon written request by the *Supplier*, the *Purchaser* certifies that these conditions prevail. All measurements and reporting are affected by an independent, competent, and certified occupational hygiene inspection body, i.e. a SANAS accredited, and Department of Employment and Labour approved AAIA. The *Supplier* may perform Parallel Measurements and related control measures at the *Supplier's* expense. For the purposes of compliance, the results generated from Parallel Measurements are evaluated only against South African statutory limits as detailed in clause Z15.1. Control measures conform to the requirements stipulated in the AAIA-approved asbestos work plan.

Z15.3 The *Purchaser* manages asbestos and ACM according to the Standard.

Z15.4 In the event that any asbestos is identified while Providing the Services, a risk assessment is conducted and if so required, with reference to possible exposure to an airborne concentration of above the AL for asbestos, immediate control measures are implemented and relevant air monitoring conducted in order to declare the area safe.

Z15.5 The *Supplier's* personnel are entitled to stop working and leave the contaminated area forthwith until such time that the area of concern is declared safe by either Compliance Monitoring or an AAIA approved control measure intervention, for example, per the emergency asbestos work plan, if applicable.

Z15.6 The *Supplier* continues to Provide the Services, without additional control measures presented, on presentation of Safe Levels. The contractually agreed dates to Provide the Services, including the Completion Date, are adjusted accordingly. The contractually agreed dates are extended by the notification periods required by regulations 3 and 21 of the Asbestos Regulations.

Z15.7 Any removal and disposal of asbestos, asbestos containing materials and waste, is done by a registered asbestos contractor, instructed by the *Purchaser* at the *Purchaser's* expense, and conducted in line with South African legislation.

Annexure A: Supply Requirements

The Supply Requirements for this contract are based on the use of INCOTERMS:

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2020² as follows:

Group	Category	Term	Delivery Place
E	Departure	EXW	
F	Main carriage unpaid	FCA, FAS, FOB	
C	Main carriage paid	CFR, CIF, CPT, CIP	
D	Arrival	DPU, DAP, DDP	

The Parties obligations described in Incoterms for the category and term selected are now incorporated into this contract as part of the Supply Requirements and hence the Goods Information.

The obligations of seller and buyer for the selected Incoterm determine each Party's costs, risks and insurance requirements incidental to the supply and transport of the *goods* from *Supplier* to *Purchaser*.

For each of the thirteen terms, Incoterms set out obligations of the seller (the *Supplier*) in ten paragraphs identified as A1 to A10 and the corresponding obligations of the buyer (the *Purchaser*) in paragraphs B1 to B10. These obligations cover the following subjects:

A	The <i>Supplier's</i> obligations	B	The <i>Purchaser's</i> obligations
A1	Provision of goods in conformity with contract	B1	Payment of the price
A2	Licences, authorisations and formalities	B2	Licences, authorisations and formalities
A3	Contracts of carriage and insurance	B3	Contracts of carriage and insurance
A4	Delivery	B4	Taking delivery
A5	Transfer of risks	B5	Transfer of risks
A6	Division of costs	B6	Division of costs
A7	Notice to the buyer	B7	Notice to the seller
A8	Proof of delivery, transport document or equivalent electronic message	B8	Proof of delivery, transport document or equivalent electronic message
A9	Checking - packing - marking	B9	Inspection of goods
A10	Other obligations	B10	Other obligations

All other information NOT pertinent to the above is given in the balance of the Goods Information

² International Chamber of Commerce, Incoterms 2020, Paris, January 2020

The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

1. The requirements for the supply are	Pipes and Fittings	
2. The requirements for transport are	The <i>Supplier</i> is responsible for transporting the goods to Site. The <i>Supplier</i> takes responsibility of the goods while in transit i.e. insurances etc. Goods are to be off loaded at Arnot Power Station Main Stores Receiving	
3. The delivery place is	Eskom Arnot Power Station	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	<i>Supplier</i>
	Checking packing and marking before dispatch	<i>Supplier</i>
	Contracting for transport	<i>Supplier</i>
	Pay costs of transport	<i>Supplier</i>
	Arrange access to delivery place	<i>Purchaser</i>
	Loading the <i>goods</i>	<i>Supplier</i>
	Unloading the <i>goods</i>	<i>Purchaser</i>
For international procurement	Undertake export requirements	<i>Supplier</i>
	Undertake import requirements	<i>Supplier</i>
5. Information to be provided by the <i>Supplier</i>	Title of document	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	

All other information NOT pertinent to the above is given in the balance of the Goods Information

Annexure B: Insurance provided by the Purchaser

These notes are provided as guidance to tendering Suppliers and the Supplier about the insurance provided by the Purchaser. These notes are not part of this contract. The Supplier must obtain its own advice.

Transit insurance of goods originating from outside the borders of the Republic of South Africa

For the purpose of supply contracts, the only insurance provided by Eskom (the *Purchaser*) is transit shipment cover, commonly known as Marine Insurance for air, sea, rail and road freight (including local land arrangements) for conveyance of *goods* originating outside RSA. Please consult the website stated below to ascertain whether Format A, Format B or Format Dx is applicable to this contract and then the

- Marine Insurance Policy wording;
- Eskom Shipment Policies and Procedures – note a pre-shipment survey form has to be completed under certain circumstances;
- Marine Claims Handling Procedures – for important shipment actions and claims forms in event of damages to cargo freight via sea, barge, air, road or rail.

For EXW (Ex Works collections) this is of no concern to the *Supplier* but for any other Supply Requirement (such as CIF, DDU, or DDP) the *Supplier* need not provide such insurance even if the INCOTERM requires it and tendering Suppliers should 'discount' their prices when tendering to allow for this provision by the *Purchaser* (Eskom).

Supplier's liability for damage to the Purchaser's property

Whilst this is a liability the *Supplier* carries and should cover (if he is required to deliver the *goods* to the *Purchaser's* premises) his liability is limited to the amount of cover provided to the *Purchaser* within his assets policy. This amount varies depending on the Division within Eskom to which the *Supplier* is making the delivery. For any one occurrence or series of occurrences arising out of one event but unlimited during the period of insurance the *Supplier's* liability would be:

- R15million for Generation Division projects,
- R7.5million for Transmission Division projects or
- R1.0million for Distribution Division projects

All other insurance

As required by clause 84, the *Supplier* provides all other insurance for his risks. The *Supplier* should give further consideration to providing for these additional insurance concepts [for amounts and periods of insurance the *Supplier* deems fit and necessary].

Professional Indemnity: The insurance provided shall indemnify the *Supplier* (and/or his professional consultant) for those sums which the *Supplier* or his consultant shall become legally liable to pay as damages arising from any claim first made against the *Supplier* / consultant and reported to their insurers during the Period of Insurance, directly arising out of any negligent act, error or omission committed or alleged to have been committed by the *Supplier* / consultant in the conduct of **professional services** (for example, design) in connection with this contract.

Products Liability: A special General Liability extension for liability arising out of the *Supplier's* **defective**:

- production and manufacturing process (workmanship or material), or
- product design, or
- warnings, instructions, usage and maintenance manuals and specifications.

For any further explanation of insurance requirements tendering Suppliers are advised to consult their brokers or insurers who may in turn contact Eskom Insurance Management Services per contact details provided on the following website:

http://www.eskom.co.za/Tenders/InsurancePoliciesProcedures/Pages/EIMS_Policies_From_1_April_2014_To_31_March_2015.aspx

C1.2 Contract Data

Part two - Data provided by the *Supplier*

Notes to a tendering *Supplier*:

1. Please read both the NEC3 Supply Contract (SC3)¹ and the relevant parts of its Guidance Notes (SC3-GN)² in order to understand the implications of this Data which the tenderer is required to complete.
2. The number of the clause which requires the data is shown in the left hand column for each statement however other clauses may also use the same data
3. Where a form field like this [] appears, data is required to be inserted relevant to the option selected. Click on the form field **once** and type in the data. Otherwise complete by hand and in ink.

Completion of the data in full, according to Options chosen, is essential to create a complete contract.

Clause	Statement	Data				
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.					
11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:	Annexure A				
11.2(11)	The tendered total of the Prices is	R , (in words)				
11.2(12)	The <i>price schedule</i> is in:					
11.2(14)	The following matters will be included in the Risk Register	None				
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are	None				
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<table><tr><th><i>goods and services</i></th><th><i>delivery date</i></th></tr><tr><td>1 Pipes & Fittings</td><td>Stated in every <i>Purchase Order</i></td></tr></table>	<i>goods and services</i>	<i>delivery date</i>	1 Pipes & Fittings	Stated in every <i>Purchase Order</i>
<i>goods and services</i>	<i>delivery date</i>					
1 Pipes & Fittings	Stated in every <i>Purchase Order</i>					
31.1	The programme identified in the Contract Data is contained in:	As per the Purchase Order				
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is					

¹ Either April 2013 or December 2009 Edition as stated by *Purchaser* in Contract Data part 1.

² Available from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902, or www.ecs.co.za

PART 2: PRICING DATA

NEC3 Supply Contract

Document reference	Title	No of pages
C2.1	Pricing assumptions	2
C2.2	The <i>price schedule</i>	33

C2.1 Pricing assumptions

1. How *goods* and *services* are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, (SC3) core clauses states:

Identified and defined terms	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.
		(12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
Assessing the amount due	50.2	The amount due is
		<ul style="list-style-type: none"> the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed, where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate, plus other amounts to be paid to the <i>Supplier</i>, less amounts to be paid by or retained from the <i>Supplier</i>. <p>Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.</p>

This confirms that the Supply Contract is a priced contract where the Prices are derived from a list of items of *goods* and *services* which can be priced as lump sums or as expected quantities of *goods* and *services* multiplied by a rate, or a mix of both.

2. Function of the Price Schedule

Clause 53.1 states: "Information in the Price Schedule is not Goods Information". This confirms that instructions to do work or how it is to be done are not included in the Price Schedule but in the Goods Information. This is further confirmed by Clause 20.1 which states, "The *Supplier* Provides the Goods and Services in accordance with the Goods Information". Hence the *Supplier* does **not** Provide the Goods and Services in accordance with the Price Schedule. The Price Schedule is only a pricing document.

3. Preparing the *price schedule*

Items in the *price schedule* may have been inserted by the *Purchaser* and the tendering supplier should insert any additional items which he considers necessary. Whichever party provides the items in the *price schedule* the total of the Prices is assumed to be fully inclusive of everything necessary to Provide the Goods and Services as described at the time of entering into this contract.

It will be assumed that the tendering supplier has

- Read Pages 8, 11, 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*;
- Included in his Prices and rates for correction of Defects (core clause 43.1) as there is no compensation event for this unless the Defect is due to a *Supplier's* risk;
- Spread the cost of doing work he chooses not to list as separate items in the *price schedule*

across other Prices and rates in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices;

- Understood that there is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event per clause 60.1;
- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

3.1. Format of the *price schedule*

Entries in the first four columns in the *price schedule* in section C2.2 are made either by the *Purchaser* or the tendering supplier.

If the *Supplier* is to be paid an amount for the item which is not adjusted if the quantity of work in the item changes, the tendering supplier enters the amount in the Price column only, the Unit, Quantity and Rate columns being left blank.

If the *Supplier* is to be paid an amount for the item which is the rate for the item multiplied by the quantity completed, the tendering *Supplier* enters the rate which is then multiplied by the Quantity to produce the Price, which is also entered.

If the *Supplier* is to be paid an amount for an item proportional to the length of time for which the *goods* and *services* are provided, a unit of time is stated in the Unit column and the length of time (as a quantity of the stated units of time) is stated in the Quantity column.

C2.2 the *price schedule*

ITEM NO.	MATERIAL	DESCRIPTION	UMC	QTY	RATE	AMOUNT
1	704900	PIPE: INSIDE DIAMETER: 128.2 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10 SPECIFICATION: EN10216-2:2002; SCHEDULE: 40; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 141.3MM; WALL THICKNESS 6.55MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	40		
2	704905	PIPE: INSIDE DIAMETER: 206.3 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 20; ENDS: BEVELLED; TYPE: SEAMLESS; OUTSIDE DIAMETER 219.1MM; WALL THICKNESS 6.4MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15		
3	704916	PIPE: INSIDE DIAMETER: 260.3 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 20; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 273.1MM; WALL THICKNESS 6.4MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15		
4	704924	PIPE: INSIDE DIAMETER: 311.1 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 20; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 323.9MM; WALL THICKNESS 6.4MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15		

5	704929	PIPE: INSIDE DIAMETER: 339.9 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 20; ENDS: BEVELLED; OUTSIDE DIAMETER 355.6MM; WALL THICKNESS 7.9MM; STRUCTURE: SEAMLESS; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15		
6	676728	PIPE: INSIDE DIAMETER: 102.26 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 40; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 114.3 MM; WALL THICKNESS 6.02 MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15		
7	676741	PIPE: INSIDE DIAMETER: 154.08 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN 10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 40; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 168.3 MM; WALL THICKNESS 7.11 MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15		
8	753862	PIPE: INSIDE DIAMETER: 20.70 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN 10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 160; STRUCTURE: SEAMLESS; ENDS: PLASTIC CAP; TYPE: PIPE; MATERIAL MUST CONFORM TO EN10204 TYPE 3.2 INSPECTION CERTIFICATE MATERIAL BE INCLUDED; MARKING ON PIPE MUST CORRESPOND WITH MARKINGS ON MATERIAL CERTIFICATE I E; PIPE HEAT NUMBER AND DIMENSIONS	M	60		
9	753847	PIPE: INSIDE DIAMETER: 49.22 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 80; STRUCTURE: SEAMLESS; ENDS: PLASTIC CAP; TYPE: PIPE; MATERIAL MUST CONFORM TO EN10204 TYPE 3.2 INSPECTION CERTIFICATE MATERIAL BE INCLUDED; MARKING ON PIPE MUST CORRESPOND WITH MARKINGS ON MATERIAL CERTIFICATE I E; PIPE HEAT NUMBER AND DIMENSIONS	M	60		

10	753864	PIPE: INSIDE DIAMETER: 254.46 MM; LENGTH: 6 M; MATERIAL: 1,5415; SPECIFICATION: EN10216-2:2002; GRADE: 16M03; SCHEDULE: 40; STRUCTURE: SEAMLESS; ENDS: PLASTIC CAP; TYPE: PIPE; MATERIAL MUST CONFORM TO EN10204 TYPE 3.2 INSPECTION CERTIFICATE MATERIAL BE INCLUDED; MARKING ON PIPE MUST CORRESPOND WITH MARKINGS ON MATERIAL CERTIFICATE I E; PIPE HEAT NUMBER AND DIMENSIONS	M	60		
11	753863	PIPE: INSIDE DIAMETER: 15.55 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN 10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 160; STRUCTURE: SEAMLESS; ENDS: PLASTIC CAP; TYPE: PIPE; MATERIAL MUST CONFORM TO EN10204 TYPE 3.2 INSPECTION CERTIFICATE MATERIAL BE INCLUDED; MARKING ON PIPE MUST CORRESPOND WITH MARKINGS ON MATERIAL CERTIFICATE I E; PIPE HEAT NUMBER AND DIMENSIONS	M	60		
12	0646167	PIPE: INSIDE DIAMETER: 342.8 MM; LENGTH: 6 M; MATERIAL: CARBON STL; GRADE: ASTM 106 B; SCHEDULE: 10; OD: 355.6 MM; WALL THICKNESS: 6.4 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	10		
13	0646166	PIPE: INSIDE DIAMETER: 131.82 MM; LENGTH: 6 M; MATERIAL: CARBON STL; GRADE: ASTM 106 B; OD: 114.3 MM; WALL THICKNESS: 18.24 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	15		
14	0656092	PIPE: INSIDE DIAMETER: 336.56 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM 106; GRADE: B; SCHEDULE: STANDARD; TYPE: SEAMLESS; OUTSIDE DIAMETER 355.6; WALL THICKNESS 9.5MM	EA	15		
15	0656113	PIPE: INSIDE DIAMETER: 333.24 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM 106; GRADE: B; SCHEDULE: 40; TYPE: SEAMLESS; OUTSIDE DIAMETER 355.6MM; WALL THICKNESS 11.13MM; SEAMLESS; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
16	0656082	PIPE: INSIDE DIAMETER: 77.92 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM 106; GRADE: B; SCHEDULE: STANDARD; TYPE: SEAMLESS; OUTSIDE DIAMETER 88.9MM; WALL THICKNESS 5.49MM	EA	15		

17	0656084	PIPE: INSIDE DIAMETER: 303.18 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A106; GRADE: B; SCHEDULE: 40; TYPE: SEAMLESS; OUTSIDE DIAMETER 323.9MM; WALL THICKNESS 10.31MM	EA	15		
18	0670838	PIPE: INSIDE DIAMETER: 15.76 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE: CA OUTSIDE DIAMETER 21.3 MM; WALL THICKNESS 2.77 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
19	0670840	PIPE: INSIDE DIAMETER: 102.26 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE: OUTSIDE DIAMETER 114.3 MM; WALL THICKNESS 6.02 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
20	0670842	PIPE: INSIDE DIAMETER: 49.22 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 60.3MM; WALL THICKNESS 5.54MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
21	0670844	PIPE: INSIDE DIAMETER: 52.48 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 60.3 MM; WALL THICKNESS 3.91 MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		

22	0670849	PIPE: INSIDE DIAMETER: 34.02 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 48.3MM; WALL THICKNESS 7.14; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
23	0670850	PIPE: INSIDE DIAMETER: 38.14 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 48.3MM; WALL THICKNESS: 5.08MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
24	0670851	PIPE: INSIDE DIAMETER: 35.08 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER; 42.2 MM; WALL THICKNESS: 3.56 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
25	0670852	PIPE: INSIDE DIAMETER: 32.50 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 42.2 MM; WALL THICKNESS: 4.85 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
26	0670853	PIPE: INSIDE DIAMETER: 29.52 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 42.2 MM; WALL THICKNESS: 6.34 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED;	EA	15		

		MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;				
27	0670854	PIPE: INSIDE DIAMETER: 26.64 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 33.4 MM; WALL THICKNESS: 3.38 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
28	0670855	PIPE: INSIDE DIAMETER: 24.3 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 33.4 MM; WALL THICKNESS: 4.55 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	15		
29	0670856	PIPE: INSIDE DIAMETER: 339.76 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: STANDARD; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 355.6 MM; WALL THICKNESS 7.92 MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
30	0671097	PIPE: INSIDE DIAMETER: 40.94 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 48.3MM; WALL THICKNESS: 3.68MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		

31	0671132	PIPE: INSIDE DIAMETER: 11.74 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 21.3MM; WALL THICKNESS: 4.78MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
32	0671133	PIPE: INSIDE DIAMETER: 20.96 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 40; ENDS: ENDCAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 26.7MM; WALL THICKNESS 2.87MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
33	0671134	PIPE: INSIDE DIAMETER: 15.58 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 26.7MM; WALL THICKNESS 5.56MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
34	0671135	PIPE: INSIDE DIAMETER: 9.22 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS	EA	15		
35	0671136	PIPE: INSIDE DIAMETER: 7.66 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 13.7MM; WALL THICKNESS 3.02MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		

36	0671138	PIPE: INSIDE DIAMETER: 18.88 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 26.7MM; WALL THICKNESS 3.91MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME AND IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
37	0671139	PIPE: INSIDE DIAMETER: 13.84 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 21.3MM; WALL THICKNESS 3.73MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
38	0671140	PIPE: INSIDE DIAMETER: 206.4 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 20; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 219.1MM; WALL THICKNESS 6.35MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
39	0671156	PIPE: INSIDE DIAMETER: 260.3 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 20; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 273MM; WALL THICKNESS 6.35MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
40	0671157	PIPE: INSIDE DIAMETER: 20.7 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 33.4MM; WALL THICKNESS 6.35MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL	EA	15		

		IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;				
41	0671176	PIPE: INSIDE DIAMETER: 128.2 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 141.3MM; WALL THICKNESS 6.55MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
42	0671177	PIPE: INSIDE DIAMETER: 254.46 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 273MM; WALL THICKNESS 9.27MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
43	0671178	PIPE: INSIDE DIAMETER: 154.08 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 168.3MM; WALL THICKNESS 7.11MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS; END TO	EA	15		
44	0671180	PIPE: INSIDE DIAMETER: 202.74 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 219.1MM; WALL THICKNESS 8.18MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		

45	0671181	PIPE: INSIDE DIAMETER: 311.1 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM 106; GRADE: B; SCHEDULE: 20; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 323.8MM; WALL THICKNESS 6.35MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
46	0671182	PIPE: INSIDE DIAMETER: 304.76 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM 106; GRADE: B; SCHEDULE: STANDARD; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 323.8MM; WALL THICKNESS 9.52MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
47	0671185	PIPE: INSIDE DIAMETER: 142.82 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 60.3MM; WALL THICKNESS 8.74MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
48	676738	PIPE: INSIDE DIAMETER: 303.28 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN 10216-2:10CRMO9-10; SCHEDULE: 40; ENDS: BEVELLED; TYPE: SEAMLESS; OUTSIDE DIAMETER 323.9 MM; WALL THICKNESS 10.31 MM; ALL ITEMS TO BE SUPPLIED WITH 3.1 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
49	0000607	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 15 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: SABS 62-1971 GALV; STRUCTURE WELDED; THREADED ENDS WITH SOCKET	M	90		

50	54979	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 15 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 3.2 MM; CONSTRUCTION: SEAMLESS; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SABS 62-1971 AMENDMENT 2 TABLE 3; FOR STEAM, SCREWED AND SOCKETED	M	120		
51	54980	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 20 MM; MATERIAL: STL SABS 62; LENGTH: 6 M; WALL THICKNESS: 2.87 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; STEAM; HEAVY DUTY	M	120		
52	54981	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 25 X OD 34 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4.05 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SABS 62-1971 AMENDMENT 2 TABLE 3; RATING MEDIUM STEAM, MATERIAL AND TEST CERTIFICATION TO BE SUPPLIED IN ACCORDANCE WITH THE RELEVANT SPECIFICATION	M	240		
53	54982	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62-1971 AMEND 2 TABLE 3; STEAM PIPE	M	60		
54	54985	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4.8 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SEAMLESS STEAM, TO THE LATEST EDITION OF SABS 62 AND BEARING THE MARK OF APPROVAL	M	240		
55	54987	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 20 MM; MATERIAL: STL GALV; LENGTH: 6.7 M; CONSTRUCTION: SEAMLESS; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62; REFERENCE NO:20NB; RATING MEDIUM, STRUCTURE WELDED	M	180		
56	54988	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 40 MM; MATERIAL: STL GALV; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62 AMEND 2 TABLE 3; ELECTRIC RESISTANCE	M	120		
57	54989	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: STL GALV; LENGTH: 6 M; WALL THICKNESS: 3.65 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 763/62; PIPE, METALLIC; MATERIAL GS,	M	300		
58	54990	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: GS SABS 62-1971; LENGTH: 6 M; WALL THICKNESS: 4.8 MM; CONSTRUCTION: WELDED; END TYPE: BSPT	M	180		

59	54992	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 150 MM; MATERIAL: CS; LENGTH: 6.1 M; WALL THICKNESS: 5.4 MM; CONSTRUCTION: SEAM WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62 AMEND 2 TABLE 3; RATING HEAVY DUTY, FOR STEAM, 4.83 MPA HYDROSTATIC TEST PRESSURE, SCREWED AND SOCKETED IN	M	240		
60	54994	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 65 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4.5 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62 AMEND 2 TABLE 3; STEAM PIPE, SEAM, HEAVY CLASS	M	60		
61	55011	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: STL GALV; LENGTH: 6 M; WALL THICKNESS: 4.05 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62-1971; HEAVY CLASS,	M	60		
62	55261	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 355.6 MM; MATERIAL: ASTM A106 GR B ABI; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; GRADE: 43A; SPECIFICATION: API 5L GR B; SIZE: 375.6 MM OD	M	180		
63	55262	PIPE, SPECIAL PURPOSE: TYPE: PULVERIZED FUEL; DIMENSIONS: ID 508 MM X OD 527 MM X LG 6 M; MATERIAL: STL GR BS 3602/27; SCHEDULE: 20; ENDS: PLAIN; WALL THK 9.5MM; UNPAINTED; NOTE THESE SIZES ARE NON-STANDARD; PIPES TO BE SEAMLESS	M	600		
64	55623	PIPE, NON METALLIC: NOMINAL PIPE SIZE DESIGNATION: 2 IN; MATERIAL: PVC; LENGTH: 6 M; CONSTRUCTION: SMLS; RATING: CL16; PLAIN ENDS, BSP; USED FOR ACID, CAUSTIC AND SULPHURIC ACID IN WATER PLANT	M	60		
65	55957	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 457 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; GRADE: B; UNCOATED	M	180		
66	55960	PIPE, SPECIAL PURPOSE: TYPE: HANDRAIL; DIMENSIONS: ID 28.2 MM X OD 34 MM X LG 6 M X WALL THK 2.65 MM; MATERIAL: GMS HOT DIP SABS 763; REFERENCE NO: 34MMX2,65	M	900		
67	55961	PIPE, NON METALLIC: NOMINAL PIPE SIZE DESIGNATION: 110 MM; MATERIAL: PVC; LENGTH: 6 M; CONSTRUCTION: SMLS; REFERENCE NO: SL412; SOCKETED; COLOUR: WHITE; ENDS PLAIN	M	180		
68	60225	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 308 X OD 324 MM; MATERIAL: MS; LENGTH: 12.19 M; WALL THICKNESS: 8 MM; CONSTRUCTION: SEAM WELDED; END TYPE: PLAIN; GRADE: 42A; UNCOATED PIPING WITH TEST CERTIFICATE	M	600		

69	222322	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 200 MM; MATERIAL: MS; LENGTH: 6 M; WALL THICKNESS: 20 MM; CONSTRUCTION: WELDED; END TYPE: BSP X FLANGE; SPECIFICATION: SABS 719; MATERIAL RECOVERY FROM MILL REJECT PROJECT, TO BE USED BY PLATERSHOP FOR FABRICATION	M	60		
70	222323	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: MS; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: BSP X FLANGE; SPECIFICATION: SABS 719; MATERIAL RECOVERY FROM MILL REJECT PROJECT THAT WAS UNSUCCESSFUL, TO BE USED BY PLATERSHOP FOR FABRICATION	M	90		
71	222325	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: MS; LENGTH: 6 M; WALL THICKNESS: 12 MM; CONSTRUCTION: WELDED; END TYPE: BSP X FLANGE; SPECIFICATION: SABS 719; MATERIAL RECOVERY FROM MILL REJECT PROJECT THAT FAILED, TO BE USED BY PLATERSHOP FOR FABRICATION	M	90		
72	242708	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 250 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; SCHEDULE: 40; GRADE: 316; SUPPLIER NOTE: ONLY WITH 3.2 MATERIAL CERTIFICATE WILL BE ACCEPTED	EA	20		
73	253715	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 12 MM; MATERIAL: STEEL; LENGTH: 6 M; WALL THICKNESS: 3 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 300 BAR; MAXIMUM OPERATING TEMP: 300 DEG C; SPECIFICATION: ST37.4	EA	20		
74	592237	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: OD 458 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; MAXIMUM OPERATING TEMP: 150 DEG C; GRADE: NB 450; MILL BUNKER TO MILL FEEDER RAW COAL PIPE; SUPPLIER TO DELIVER PIPES WITH MATERIAL CERTIFICATES	M	600		
75	55962	TUBE, STRUCTURAL: DIMENSIONS: SQ 25 MM X LG 6.4 M; WALL THICKNESS: 1.6 MM; SHAPE: SQ; STRUCTURE: WELDED; MATERIAL: MS	M	180		
76	55963	TUBE, STRUCTURAL: DIMENSIONS: SQ 38 MM X LG 6.4 M; WALL THICKNESS: 1.6 MM; SHAPE: SQ; STRUCTURE: WELDED; MATERIAL: MS; 14 SWG	M	180		
77	114887	POST: TYPE: HANDRAIL STANCHION; DIMENSIONS: DIA 40 MM X LG 1 M; MATERIAL: GS HOT DIP; SUPPL P/N: SU-T90; BALL TYPE, TOP MOUNTED, BASE PLATE 10MM, MATERIAL THICKNESS 3MM	EA	240		
78	114884	POST: TYPE: HANDRAIL STANCHION; DIMENSIONS: DIA 40 MM X LG 1 M; MATERIAL: STL; REFERENCE NO: SUS90; FLAT SIDE MOUNTED, BASE PLATE 12MM THK WITH 2 HOLES, PIPE SIZE 43MM OUTSIDE DIAMETER X	EA	240		

		3MM THICK, PRIMER UNDERCOAT				
79	114886	POST: TYPE: HANDRAIL STANCHION; DIMENSIONS: DIA 40 MM X LG 1 M; MATERIAL: GS HOT DIP; REFERENCE NO: SUSRA; BALL TYPE, SIDE MOUNTED, ANGLE 45DEG, BASE PLATE 10MM THICK, OVERALL, MATERIAL THICKNESS 3MM	EA	240		
80	54984	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 50 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: BS 1387; SABS 62; TYPE: STEAM; RATING 4.5MM WALL, STRUCTURE SEAMLESS	M	360		
81	54986	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: STEEL SABS 62; LENGTH: 6 M; CONSTRUCTION: SEAMLESS; END TYPE: COUPLED X THD; RATING: 4800 KPA; SUPPL P/N: BS1387-67; REFERENCE NO: 100NB	M	60		
82	54993	TUBE, STRUCTURAL: DIMENSIONS: OD 125 MM X LG 6 M; WALL THICKNESS: 4.5 MM; SHAPE: RD; STRUCTURE: SMLS; MATERIAL: STL; SPECIFICATION: SABS 62-1971; STEAM, THREADED ENDS, SCREWED AND SOCKETED	M	360		
83	222324	PIPE, ASSEMBLY: CONNECTION: BW X FLANGE; DIMENSIONS: DIA 150 MM X LG 6 M; SPECIFICATION SABS 719, RATING 10 MM WALL, STRUCTURE WELDED;	M	120		
84	222194	TUBE, BOILER STRAIGHT: NOMINAL SIZE: OD 408 MM; WALL THICKNESS: 9.5 MM; MATERIAL: A106; LENGTH: 6.7 M; STRUCTURE: SMLS; ENDS: BW; GRADE: B; SPECIFICATION: BS 3602; MATERIAL AND TEST CERTIFICATE ACCORDING TO THE REQUIREMENTS USE ON THE DEAERATOR STEAM PIPING	M	100		
85	704464	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 250 X 100 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253- 2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
86	704449	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 350 X 250 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253- 2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	10		

87	704467	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 350 X 150 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS; ENS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15		
88	704468	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 250 X 125 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS; ENS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15		
89	704470	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 200 X 100 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		
90	704895	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 350 X 300 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	10		
91	704446	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 300 X 200 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS PER CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15		

92	0656040	REDUCER: TYPE: CONCENTRIC; NOMINAL SIZE: 200 X 150 MM; CONNECTION: BW; MATERIAL: CARBON STEEL; OUTSIDE DIAMETER 219.1MM X 168 MM; FITTED/CONNECTED TO A BUTT WELD	EA	12		
93	0646160	REDUCER, PIPE: TYPE: CONICAL; NOMINAL SIZE: 200 X 80 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: ASTM A234 WB; SCHEDULE: 80; STRUCTURE: SEAMLESS; REDUCING OD: 355.6 MM TO 219.1 MM; WALL THICKNESS: 7.6 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
94	656242	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 350 X 200 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; SCHEDULE: STD; SPECIFICATION: ASTM A234; OUTSIDE DIAMETER 355.6MM; FITTED/CONNECTED TO A BUTT WELD	EA	12		
95	0646161	REDUCER, PIPE: TYPE: CONICAL; NOMINAL SIZE: 300 X 150 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: ASTM A234 WB; SCHEDULE: 80; REDUCING OD: 323.8 MM TO 168.3 MM; WALL THICKNESS: 10.97 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
96	0646162	REDUCER, PIPE: TYPE: CONICAL; NOMINAL SIZE: 350 X 250 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: ASTM A234 WB; SCHEDULE: 60; REDUCING OD: 355.6 MM TO 273 MM; WALL THICKNESS: 12.7 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
97	0646163	REDUCER, PIPE: TYPE: CONICAL; NOMINAL SIZE: 200 X 150 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: ASTM A234 WB; REDUCING OD: 219.1 MM TO 143.3 MM; WALL THICKNESS: 6.4 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
98	688721	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 15 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; RATING: 300 BAR; SCHEDULE: 160; SPECIFICATION: ASTM A234; MEDIA FOR WHICH DESIGNED: STEAM/ WATER; BUTT WELDING FITTINGS; TO BE SUPPLIED WITH EN10204 3.1 CERTIFICATE	EA	90		

99	688724	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 20 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; RATING: 300 BAR; SCHEDULE: 160; SPECIFICATION: ASTM A234; MEDIA FOR WHICH DESIGNED: STEAM/WATER; BUTT WELDING FITTINGS; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	90		
100	688723	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 32 X 25 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; RATING: 300 BAR; SCHEDULE: 160; SPECIFICATION: ASTM A234; MEDIA FOR WHICH DESIGNED: STEAM/WATER; BUTT WELDING FITTINGS; TO BE SUPPLIED WITH EN10204 3.1 CERTIFICATE	EA	90		
101	688722	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 40 X 25 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; RATING: 300 BAR; SCHEDULE: 160; SPECIFICATION: ASTM A234; MEDIA FOR WHICH DESIGNED: STEAM/WATER; BUTT WELDING FITTINGS; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE.	EA	90		
102	0057171	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 15 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740	EA	60		
103	57116	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 40 X 20 MM; CONNECTION: BSP X FBSP; MATERIAL: MI CAST; SPECIFICATION: BS 143/52; SABS 509/55	EA	50		
104	57172	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 15 X 10 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	90		
105	57173	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 15 X 8 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS S1740- 1965 AMENDMENT 1 TABLE 13; SOCKET, STEAM	EA	60		
106	57174	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 20 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13	EA	90		
107	57177	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 25 MM; CONNECTION: FNPT; MATERIAL: STEEL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60		
108	57179	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 25 X 15 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; SPECIFICATION: BS S1740; REFERENCE NO: 25X15BSP; STEAM PSI, BSP THREAD	EA	60		
109	57181	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 10 X 8 MM; CONNECTION: NPT; MATERIAL: STL; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13; STEAM, SOCKET BSP THREAD	EA	60		

110	57189	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 80 X 50 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS 1740; STEAM SOCKET; BSP THREAD	EA	60		
111	57334	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 32 X 25 MM; CONNECTION: NPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60		
112	657	TEE, PIPE: SIZE: 15 MM; CONNECTION: FBSP; MATERIAL: STL GALV	EA	250		
113	658	TEE, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: STL GALV; SUPPLY FOUR PER SEALED BAG	EA	60		
114	57141	TEE, PIPE: SIZE: 25 MM; CONNECTION: FBSP; MATERIAL: STL GALV	EA	250		
115	57146	TEE, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: STL; GRADE: 4.6; SPECIFICATION: BS 1740	EA	60		
116	57147	TEE, PIPE: SIZE: 25 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS 1740	EA	60		
117	186897	TEE, PIPE: SIZE: 25 MM; CONNECTION: NPT; MATERIAL: STL DIN 3859; RATING: 315 BAR; SPECIFICATION: ISO 2081-4520; SUPPL P/N: SFA 5-38; HYDRAULIC T-PIECE; M25-2 PITCH; COMPLETE WITH NUTS AND FERRULES; YELLOW PASSIVATION CORROSION PROOFING ON STEEL; USED ON LOESCHE MILL HYDRAULIC SYSTEM(ACCUMULATOR)	EA	60		
118	704936	PIPE BEND, METALLIC: DIAMETER: 114.3 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 152.4 MM; SPECIFICATION: EN 10253- 2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	EA	15		
119	704894	PIPE BEND, METALLIC: DIAMETER: 355.6 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 533.4 MM; SPECIFICATION: EN 10253- 2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	EA	15		
120	704941	PIPE BEND, METALLIC: DIAMETER: 141.3 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90; SCHEDULE: 20; RADIUS: 190.5 MM; SPECIFICATION: EN 10253-2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION				

		ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS; ENDS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15		
121	704944	PIPE BEND, METALLIC: DIAMETER: 219.1 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 304.8 MM; SPECIFICATION: EN 10253- 2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS; ENDS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15		
122	704949	PIPE BEND, METALLIC: DIAMETER: 168.3 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 228.6 MM; SPECIFICATION: EN 10253- 2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS; ENDS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15		
123	704952	PIPE BEND, METALLIC: DIAMETER: 273.1 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 381 MM; SPECIFICATION: EN 10253-2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	EA	15		
124	0646278	BEND, PIPE: OUTSIDE DIAMETER: 457.2 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 30; WALL THICKNESS: 9.5 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
125	0646289	BEND, PIPE: OUTSIDE DIAMETER: 323.9 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG;				

		GRADE: ASTM A234 WB; SCHEDULE: 30; WALL THICKNESS: 8.4 MM;3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
126	0646290	BEND, PIPE: OUTSIDE DIAMETER: 273 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 40; WALL THICKNESS: 9.3 MM;3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
127	0646287	BEND, PIPE: OUTSIDE DIAMETER: 60.3 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WPB; SCHEDULE: 160; WALL THICKNESS: 8.74 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH	EA	12		
128	0646286	BEND, PIPE: OUTSIDE DIAMETER: 273 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 60; WALL THICKNESS: 12.7 MM;3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
129	0646283	BEND, PIPE: OUTSIDE DIAMETER: 219.1 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 80; WALL THICKNESS: 12.7 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
130	0646282	BEND, PIPE: OUTSIDE DIAMETER: 219.1 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 40; WALL THICKNESS: 8.2 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
131	0646279	BEND, PIPE: OUTSIDE DIAMETER: 355.6 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 10; WALL THICKNESS: 6.4 MM;3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH				

		EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12		
132	0646281	BEND, PIPE: OUTSIDE DIAMETER: 88.9 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WPB; SCHEDULE: 40; WALL THICKNESS: 5.5 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	30		
133	0655577	PIPE BEND, METALLIC: DIAMETER: 273 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: STANDARD 40 KPA; RADIUS: LONG; SPECIFICATION: ASTM A234	EA	12		
134	688803	PIPE BEND, METALLIC: DIAMETER: 26.7 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 28.6 MM; SPECIFICATION: ASTM A234; BUTT WELDING; 90 DEGREE ELBOW LONG RADIUS; ANSI B 16.9; 20MM NOMINAL PIPE DIAMETER SCHEDULE 5 EXTRA STRONG; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE; END TO BE PLUGGED WITH PLASTIC MATERIAL	EA	30		
135	688805	PIPE BEND, METALLIC: DIAMETER: 33.4 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 38.1 MM; SPECIFICATION: ASTM A234; BUTT WELDING FITTINGS; 90 DEGREE ELBOW LONG RADIUS; ANSI B 16.9; 25MM NOMINAL PIPE DIAMETER SCHEDULE 5 EXTRA STRONG; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	30		
136	688819	PIPE BEND, METALLIC: DIAMETER: 48.3 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 57.2 MM; SPECIFICATION: ASTM; BUTT WELDING FITTINGS; 90 DEGREES ELBOW LONG RADIUS; ANSI B 16.9; 40MM NOMINAL PIPE DIAMETER; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	30		
137	688816	PIPE BEND, METALLIC: DIAMETER: 60.3 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 76.2 MM; SPECIFICATION: ASTM A234; BUTT WELDING FITTINGS; 90 DEGREES ELBOW LONG RADIUS; ANSI B16.9; 50MM NOMINAL PIPE DIAMETER; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	30		
138	59318	ELBOW, TUBE ADAPTOR: SIZE: 6 MM X 1/4 IN; INLET CONNECTION: COMPRESSION; OUTLET CONNECTION: NPT; MATERIAL: BRASS; DEGREE: 90 DEG; SUPPL P/N: B6M0-2-4; TAPER	EA	200		

139	59320	ELBOW, TUBE ADAPTOR: SIZE: 6 MM X 1/2 IN; INLET CONNECTION: COMPRESSION; OUTLET CONNECTION: NPT; MATERIAL: BRASS; DEGREE: 90 DEG; SUPPL P/N: B6M0-2-8; TAPER	EA	200		
140	662	ELBOW, PIPE: SIZE: 15 MM; CONNECTION: FNPT; MATERIAL: MI SABS 509 GALV HOT DIP; DEGREE: 90 DEG; RADIUS: SHORT	EA	100		
141	665	BEND, PIPE: OUTSIDE DIAMETER: 15 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV HOT DIP SABS 763; DEGREE: 90 DEG; RADIUS: LONG	EA	100		
142	57196	BEND, PIPE: OUTSIDE DIAMETER: 15 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62; REFERENCE NO: STEAMBEND15MM; STEAM; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA	100		
143	57197	BEND, PIPE: OUTSIDE DIAMETER: 20 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62-1971; REFERENCE NO: STEAMBEND20MM; STEAM; MALE THREAD WITH SOCKET ONE END	EA	100		
144	57198	BEND, PIPE: OUTSIDE DIAMETER: 25 MM; CONNECTION: SW X NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62-1971; STEAM	EA	100		
145	57199	BEND, PIPE: OUTSIDE DIAMETER: 32 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62; STEAM; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA	60		
146	57200	BEND, PIPE: OUTSIDE DIAMETER: 40 MM; CONNECTION: NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62; STEAM	EA	60		
147	57201	BEND, PIPE: OUTSIDE DIAMETER: 50 MM; CONNECTION: SW X NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62-1971; STEAM	EA	100		
148	57203	BEND, PIPE: OUTSIDE DIAMETER: 80 MM; CONNECTION: NPT X FNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62-1971; STEAM; MALE AND FEMALE THREADED; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA	60		
149	57204	BEND, PIPE: OUTSIDE DIAMETER: 100 MM; CONNECTION: NPT; MATERIAL: STL; DEGREE: 90 DEG; SPECIFICATION: SABS 62-1971; WITH SOCKET ONE END	EA	60		
150	57206	BEND, PIPE: OUTSIDE DIAMETER: 150 MM; CONNECTION: NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62- 1971; REFERENCE NO: 150NB	EA	60		

151	57210	ELBOW, PIPE: SIZE: 15 MM; CONNECTION: FNPT; MATERIAL: MS BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; SCHEDULE: 40; SEAMLESS; STEAM	EA	100		
152	57211	ELBOW, PIPE: SIZE: 20 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM	EA	100		
153	57214	ELBOW, PIPE: SIZE: 40 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM; TO BSS 1740-1971	EA	60		
154	57215	ELBOW, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM	EA	100		
155	57221	ELBOW, PIPE: SIZE: 20 MM; CONNECTION: FNPT; MATERIAL: STEEL GALVANIZED; DEGREE: 90 DEG; RADIUS: SHORT	EA	80		
156	57222	ELBOW, PIPE: SIZE: 25 MM; CONNECTION: FNPT; MATERIAL: MI GALV; DEGREE: 90 DEG; RADIUS: SHORT	EA	80		
157	57226	ELBOW, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: MI GALV; DEGREE: 90 DEG; RADIUS: SHORT; TYPE: WATER	EA	80		
158	57256	BEND, PIPE: OUTSIDE DIAMETER: 6 MM; CONNECTION: NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62-1971	EA	60		
159	57434	BEND, PIPE: OUTSIDE DIAMETER: 20 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV; DEGREE: 45 DEG; RADIUS: LONG	EA	60		
160	57435	BEND, PIPE: OUTSIDE DIAMETER: 25 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV; DEGREE: 45 DEG; RADIUS: LONG	EA	60		
161	59139	BEND, PIPE: OUTSIDE DIAMETER: 200 MM; CONNECTION: BW; MATERIAL: CI ASTM A234; DEGREE: 90 DEG; RADIUS: LONG; GRADE: WPB; SCHEDULE: 40; 1.5D CERTIFICATE REQUIRED	EA	30		
162	60146	ELBOW, PIPE ADAPTOR: SIZE: 25 MM; INLET CONNECTION: FNPT; OUTLET CONNECTION: COMPRESSION; MATERIAL: STL CD PLTD; DEGREE: 90 DEG; RADIUS: LONG; 16B90S16 BS; MALE AND FEMALE; COMPLETE WITH COLLAR; FEMALE THREADED 31 MM; MALE END; FOR 25 MM ID HOSE	EA	30		
163	60159	ELBOW, PIPE ADAPTOR: SIZE: 3/4 IN; INLET CONNECTION: NPT; OUTLET CONNECTION: FNPT; MATERIAL: STL CD PLTD; DEGREE: 90 DEG; RADIUS: SHORT; STEEL WINDOW; 12 A 12U; BSP; FEMALE	EA	20		
164	222317	BEND, PIPE: OUTSIDE DIAMETER: 50 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 85MM; PF MILL	EA	30		
165	222320	BEND, PIPE: OUTSIDE DIAMETER: 100 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 330MM; PF MILL	EA	20		
166	688816	PIPE BEND, METALLIC: DIAMETER: 60.3 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 76.2 MM;				

		SPECIFICATION: ASTM A234; BUTT WELDING FITTINGS; 90 DEGREES ELBOW LONG RADIUS; ANSI B16.9; 50MM NOMINAL PIPE DIAMETER; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	20		
167	222316	BEND, PIPE: OUTSIDE DIAMETER: 100 MM; MATERIAL: MS; DEGREE: 45 DEG; FOR FABRICATION; LG 150MM; PF MILL	EA	30		
168	222321	BEND, PIPE: OUTSIDE DIAMETER: 50 MM; MATERIAL: MS; DEGREE: 45 DEG; FOR FABRICATION LG 180MM; TYPE: PF MILL	EA	30		
169	222319	BEND, PIPE: OUTSIDE DIAMETER: 150 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 420MM; PF MILL	EA	30		
170	222320	BEND, PIPE: OUTSIDE DIAMETER: 100 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 330MM; PF MILL	EA	30		
171	222318	BEND, PIPE: OUTSIDE DIAMETER: 200 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 570MM; PF MILL	EA	30		
172	606	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 25 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: SABS 62; SABS 763 GALV; RATING 3.2MM WALL, STRUCTURE WELDED; THREADED ENDS WITH SOCKET	M	150		
173	607	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 15 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: SABS 62-1971 GALV; STRUCTURE WELDED; THREADED ENDS WITH SOCKET	M	150		
174	651	UNION, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: GI; SPECIFICATION: BS 1387; SABS 62; REFERENCE NO: 256	EA	150		
175	652	UNION, PIPE: SIZE: 25; CONNECTION: FPT; MATERIAL: STEEL GALV; SPECIFICATION: SABS 763	EA	150		
176	653	UNION, PIPE: SIZE: 15 MM; CONNECTION: FPT; MATERIAL: STL GALV; SPECIFICATION: SABS 763	EA	150		
177	659	COUPLING, PIPE: SIZE: 15 MM; CONNECTION: FBPT; MATERIAL: STL GALV	EA	150		
178	660	COUPLING, PIPE: SIZE: 20 MM; CONNECTION: FPT; MATERIAL: MI GALV; SPECIFICATION: SABS 763; STYLE: SOCKET; 33 MM LONG	EA	150		
179	661	COUPLING, PIPE: SIZE: 25 MM; CONNECTION: FPT; MATERIAL: MI GALV; SPECIFICATION: SABS 509-1955 TABLE 13; STYLE: SOCKET	EA	150		
180	663	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: NPT; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FNPT; MATERIAL: MI GALV; SPECIFICATION BS143/52, SABS 509/55; HEXAGON HEAD ONE END	EA	150		
181	50671	ADAPTOR, HOSE TO PIPE: HOSE SIZE: 14 MM; HOSE CONNECTION: SLIP ON; PIPE SIZE: 35 MM; PIPE CONNECTION: NPT; MATERIAL: STEEL; SUPPL P/N: 206; INNER BODY; PEABODY; ITEM 22; FOR USE WITH OIL BURNER NOZZLE	EA	200		
182	54984	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 50 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: BS 1387; SABS	M	150		

		62; TYPE: STEAM; RATING 4.5MM WALL, STRUCTURE SEAMLESS				
183	55010	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: ID10 MM X LG 6.7 M X THK 2.9 MM; MATERIAL: STL GALV; MEDIUM; STRUCTURE SEAMLESS	M	100		
184	57109	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: BSP; OUTLET SIZE: 10 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60		
185	57113	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI;HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60		
186	57114	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52; FOR STEAM	EA	100		
187	57115	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: NPT; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FPT; MATERIAL: MI; REFERENCE NO: 140-32X20MM; HEXAGON HEAD ONE END, BEARING THE SABS MARK OF APPROVAL; SPECIFICATION: SABS 509/55	EA	60		
188	57117	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	EA	60		
189	57118	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 32 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	30		
190	57119	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60		
191	57121	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 40 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60		
192	57122	ADAPTOR, PIPE: INLET SIZE: 65 MM; INLET CONNECTION: NPT; OUTLET SIZE: 40 MM; OUTLET CONNECTION: FPT; MATERIAL: MI; HEXAGON HEAD ONE END	EA	60		
193	57126	COUPLING, PIPE: SIZE: 10 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; GRADE 4.6; STEAM	EA	100		
194	57127	COUPLING, PIPE: SIZE: 15 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; GRADE 4.6;STEAM PIPE	EA	150		
195	57128	COUPLING, PIPE: SIZE: 20 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; FOR STEAM PIPE; PLAIN	EA	150		

196	57129	COUPLING, PIPE: SIZE: 25 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 1740; STYLE: SOCKET; GRADE 4.6; STEAM PIPE	EA	150		
197	57130	COUPLING, PIPE: SIZE: 32 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62; STYLE: SOCKET; GRADE 4.6, STEAM PIPE	EA	100		
198	57131	COUPLING, PIPE: SIZE: 40 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; GRADE 4.6;STEAM PIPE	EA	60		
199	57132	COUPLING, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; GRADE 4.6; STEAM	EA	150		
200	57184	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: NPT; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FPT; MATERIAL: MI; HEXAGON HEAD ONE END	EA	60		
201	57185	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60		
202	57190	ADAPTOR, PIPE: INLET SIZE: 15 MM; INLET CONNECTION: BSP; OUTLET SIZE: 10 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI;HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60		
203	57192	ADAPTOR, PIPE: INLET SIZE: 10 MM; INLET CONNECTION: BSP; OUTLET SIZE: 8 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	20		
204	57233	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	EA	20		
205	57237	ADAPTOR, PIPE: INLET SIZE: 8 MM; INLET CONNECTION: BSP; OUTLET SIZE: 6 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	20		
206	57247	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; RATING 75 BAR; SPECIFICATION BS143/52, SABS 509/55; HEXAGON HEAD ONE END	EA	60		
207	57248	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: NPT; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FPT; MATERIAL: STL GALV; HEXAGON HEAD ONE END	EA	60		
208	57286	UNION, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 763	EA	70		
209	57288	UNION, PIPE: SIZE: 15 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS 1740-1971; SOCKET	EA	150		
210	57291	UNION, PIPE: SIZE: 40 MM; CONNECTION: FBSP; MATERIAL: MI GALV; SPECIFICATION: SABS 763; GRADE: B; FLAT FACED	EA	60		
211	57294	UNION, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS S1740-1971	EA	60		

212	57295	UNION, PIPE: SIZE: 40 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS 1740; GRADE: 4.6; FOR STEAM APPLICATION	EA	60		
213	57297	UNION, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: STEEL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60		
214	57298	UNION, PIPE: SIZE: 25 MM; CONNECTION: FNPT; MATERIAL: STEEL; SPECIFICATION: BS 1740-1971	EA	200		
215	57299	UNION, PIPE: SIZE: 32 MM; CONNECTION: FBSP; MATERIAL: STL ASTM A105 BLACK; RATING: 3000 LB; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60		
216	57302	COUPLING, PIPE: SIZE: 40 MM; CONNECTION: FBPT; MATERIAL: STL GALV; STYLE: STRAIGHT	EA	60		
217	57304	COUPLING, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: STL GALV; SPECIFICATION: SABS 763; STYLE: SOCKET; BSP	EA	60		
218	58281	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 3/8 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; SUPPL P/N: SS600-1-6	EA	60		
219	58425	COUPLING, PIPE: SIZE: OD 324 MM; CONNECTION: SLIP ON; MATERIAL: STL RED OXIDE; STYLE: DOUBLE SLEEVE; BOLT SIZE: M12 X 280 MM WITH GALVANIZED NUTS AND WASHERS; BRACKET: 1 PAIR; BRACKET MATERIAL: CAST IRON; NUMBER OF BRACKET HOLE: 6; BARREL MATERIAL: MILD STEEL; WALL THICKNES: 4-8 MM; COMPLETE WITH RUBBER RINGS; SEAL: 2 OFF; MATERIAL CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; PAINTING: RED OXIDE; FOR MODEL: 324 DS PIPE; WD: 240MM; COMPLETE WITH RUBBER GASKET	EA	300		
220	58787	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STAINLESS STEEL; SUPPL P/N: SS400-1-8; TAPER	EA	200		
221	59018	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: BSPT; MATERIAL: BRASS; SUPPL P/N: B810-1RT	EA	150		
222	59216	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/8 IN; PIPE CONNECTION: BSPP; MATERIAL: BRASS; SUPPL P/N: B400-1-2RS	EA	150		
223	59245	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/8 IN; PIPE CONNECTION: BSP; MATERIAL: STAINLESS STEEL; SUPPL P/N: SS400-1-2RT	EA	60		
224	59265	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: BSPP; MATERIAL: BRASS; SUPPL P/N: B6M0-1-4RS	EA	250		
225	59291	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: FBSP; MATERIAL:	EA	100		

		BRASS; SUPPL P/N: B6M0-7-8RG; GAUGE				
226	59421	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT TAPER; MATERIAL: BRASS; SUPPL P/N: B6MO-1-8	EA	100		
227	59441	COUPLING, PIPE: SIZE: 406 MM; CONNECTION: COMPRESSION; MATERIAL: STL RED OXIDE; SINGLE SLEEVE; FOR MODEL 406DS PIPE; COMPLETE WITH GALV BOLTS AND RUBBER GASKET; STORAGE: UNDER ROOF	EA	60		
228	59442	COUPLING, PIPE: SIZE: 406 MM; CONNECTION: COMPRESSION; MATERIAL: STL RED OXIDE; VIKING/CONFLEX; DOUBLE SLEEVE; FOR MODEL 406DS PIPE; COMPLETE WITH GALV BOLTS AND RUBBER GASKET; STORAGE: UNDER ROOF	EA	30		
229	60153	ADAPTOR, PIPE: INLET SIZE: 1/2 IN; INLET CONNECTION: BSP; OUTLET SIZE: 1/2 IN; OUTLET CONNECTION: BSP; MATERIAL: STL; SUPPL P/N: 6605050; HYDRAULIC	EA	30		
230	60172	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 3/8 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: PT; MATERIAL: STAINLESS STEEL; SUPPL P/N: SS600-6	EA	30		
231	60232	COUPLING, PIPE: SIZE: 419 MM; CONNECTION: SLIP ON; MATERIAL: STEEL; C/W RUBBER GASKET AND BOLTS	EA	150		
232	60247	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; INSTRUMENTS	EA	150		
233	60265	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 14 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: BSPP; MATERIAL: STEEL; SUPPL P/N: S14MO-1-8RS	EA	60		
234	60279	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 12 MM; PIPE CONNECTION: NPT; MATERIAL: STEEL; SUPPL P/N: GE12L; MALE STUD	EA	30		
235	60325	UNION, PIPE: SIZE: 40 MM; CONNECTION: SLIP ON; MATERIAL: PVC; RATING: CL16; SPECIFICATION: NZS4129; GRADE: A; KIWA -A	EA	30		
236	61275	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; SUPPL P/N: SS40014	EA	150		
237	61467	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: B400-1-8; B400-1-8	EA	100		
238	61761	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT TAPER; MATERIAL: BRASS; SUPPL P/N: B-6M0-1-4	EA	200		

239	175333	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/8 IN; PIPE CONNECTION: BSPT; MATERIAL: BRASS; SUPPL P/N: B-6M0-1-2	EA	200		
240	584364	ADAPTOR, PIPE: INLET SIZE: 38 MM; INLET CONNECTION: FEMALE; OUTLET SIZE: 2 IN; OUTLET CONNECTION: MALE; MATERIAL: BSP; APPLICATION: ACCUMULATOR MILLS; MATERIAL MUST BE PROTECTED AGAINST DUST; DAMAGE AND RUST	EA	100		
241	585467	ADAPTOR, PIPE: INLET SIZE: 1-1/2 IN; INLET CONNECTION: MALE; OUTLET SIZE: 38 MM; OUTLET CONNECTION: MALE; MATERIAL: MS; APPLICATION: POWER CYLINDER MILLS; THE MATERIAL MUST BE PROTECTED AGAINST DUST AND DAMAGE; BSP	EA	100		
242	59335	UNION, TUBE: SIZE: 12 MM; MATERIAL: STAINLESS STEEL; CONNECTION: COMPRESSION; SUPPL P/N: SS12M0-6	EA	250		
243	0000666	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 15 MM; LENGTH: 51 MM; CONNECTION: THD; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763	EA	250		
244	654	PLUG, PIPE: SIZE: 15 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15	EA	150		
245	655	PLUG, PIPE: SIZE: 20 MM; HEAD: SQ; CONNECTION: THD; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15; REFERENCE NO: QR;	EA	60		
246	656	PLUG, PIPE: SIZE: 25 MM; HEAD: SQ; CONNECTION: THD; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15; BS 143:1952	EA	30		
247	667	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 20 MM; LENGTH: 54 MM; CONNECTION: THD; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763; 62-1971 TABLE 9 FIG 3C	EA	150		
248	668	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 25 MM; LENGTH: 60 MM; CONNECTION: THD; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763; 62-1971	EA	150		
249	57099	PLUG, PIPE: SIZE: 8 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STEEL; GRADE: 4.6; SPECIFICATION: BS 1740; STEAM	EA	60		
250	57100	PLUG, PIPE: SIZE: 10 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; GRADE: 4.6; SPECIFICATION: BS 1740; REFERENCE NO: 3- 8INBSP; STEAM	EA	60		
251	57138	PLUG, PIPE: SIZE: 50 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA	100		
252	57139	PLUG, PIPE: SIZE: 32 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA	60		
253	57140	PLUG, PIPE: SIZE: 40 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL;	EA	60		

		SPECIFICATION: BS 1740-1965; STEAM				
254	57166	PLUG, PIPE: SIZE: 80 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; GRADE: 4.6; FOR STEAM APPLICATION	EA	60		
255	57167	PLUG, PIPE: SIZE: 65 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: ASTM A105; BS 1740; FOR STEAM APPLICATION	EA	30		
256	57271	PLUG, PIPE: SIZE: 6 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STEEL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60		
257	57272	PLUG, PIPE: SIZE: 15 MM; HEAD: SQ; CONNECTION: PT; MATERIAL: STEEL; GRADE: B; SPECIFICATION: BS 1740; RATING PSI	EA	100		
258	57273	PLUG, PIPE: SIZE: 20 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA	60		
259	57274	PLUG, PIPE: SIZE: 25 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS 1740 AMENDMENT 1 TABLE 25; FOR STEAM APPLICATION	EA	100		
260	57316	NIPPLE, PIPE: TYPE: RUNNING; INSIDE DIAMETER: 20 MM; LENGTH: 30 MM; CONNECTION: THD; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM	EA	30		
261	57318	NIPPLE, PIPE: TYPE: RUNNING; INSIDE DIAMETER: 10 MM; LENGTH: 21 MM; CONNECTION: THD; MATERIAL: STL; GRADE: B; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM PIPE	EA	30		
262	57343	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 6 MM; LENGTH: 32 MM; CONNECTION: NPT; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM , MALE THREADED BOTH ENDS	EA	30		
263	57344	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 8 MM; LENGTH: 38 MM; CONNECTION: THD; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62-1971 TABLE 9 FIG 3C; STEAM , MALE THREADED BOTH END	EA	60		
264	57345	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 15 MM; LENGTH: 51 MM; CONNECTION: THD; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM PIPE	EA	150		
265	57346	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 10 MM; LENGTH: 38 MM; CONNECTION: THD; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62-1971 TABLE 9 FIG 3C; STEAM PIPE	EA	60		
266	57347	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 20 MM; LENGTH: 54 MM; CONNECTION: NPT; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62 TABLE 9 FIG 3C; FOR STEAM	EA	200		

267	57348	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 25 MM; LENGTH: 65 MM; CONNECTION: THD; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62-1971 TABLE 9 FIG 3C; FOR STEAM BARREL	EA	200		
268	57349	NIPPLE, PIPE: TYPE: SEAMLESS SHORT; INSIDE DIAMETER: 32 MM; LENGTH: 70 MM; CONNECTION: NPT; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA	EA	100		
269	57350	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 40 MM; LENGTH: 70 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62-1971	EA	100		
270	57351	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 50 MM; LENGTH: 79 MM; CONNECTION: NPT; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM PIPE	EA	80		
271	57352	NIPPLE, PIPE: TYPE: SEAMLESS SHORT; INSIDE DIAMETER: 65 MM; LENGTH: 89 MM; CONNECTION: NPT; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62; FOR STEAM BARREL	EA	30		
272	57353	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 80 MM; LENGTH: 102 MM; CONNECTION: THD; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62; MALE THREADED BOTH ENDS	EA	40		
273	57361	NIPPLE, PIPE: TYPE: SEAMLESS SHORT; INSIDE DIAMETER: 40 MM; LENGTH: 75 MM; CONNECTION: BSP; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763/62-1971 TABLE 9 FIG 3C; BARREL NIPPLE, THREADED BOTH ENDS; GRADE B	EA	30		
274	57362	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 50 MM; LENGTH: 79 MM; CONNECTION: THD; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763/62-1971 TABLE 9 FIG 3C	EA	200		
275	57401	FLANGE, PIPE: TYPE: THD NECK; PIPE SIZE: 65 MM; MATERIAL: STEEL; STYLE: RF; FLANGE DIAMETER: 165.1 MM; STEAM, BLANK, TABLE 3E	EA	60		
276	57414	FLANGE, PIPE: TYPE: COMPANION SCREWED; BORE: 50 MM; MATERIAL: MS; SPECIFICATION: BS TABLE D; BOLT HOLES: 4; BOLT HOLE SIZE: 12 MM; FLANGE DIAMETER: 152.4 MM; SIZE: 12MM THK	EA	60		
277	59611	FLANGE, PIPE: BORE: 25 MM; MATERIAL: STL; SPECIFICATION: TABLE 3E; FLANGE DIAMETER: 115 MM; REFERENCE NO: 3E; TYPE DRILLED	EA	60		
278	753861	FLANGE: TYPE: SLIP ON; DIMENSIONS: ID 411 X OD 565 X THK 32 MM; MATERIAL: CARBON STEEL; STYLE: FLAT FACE; RATING: PN10 BAR; GRADE: P250GH; SPECIFICATION: BS EN 1092-1:2008 DN400; PCD 515MM; HOLE DIAMETER: 26MM; NUMBER OF HOLES 16; MATERIAL MUST CONFORM TO EN 10204; TYPE 3.1 INSPECTION CERTIFICATE; GENERAL FLANGE MARKING REQUIREMENTS MUST BE ADHERED TO;	EA	60		

		MATERIAL MUST BE INCLUDED				
279	222326	FLANGE: TYPE: UNIVERSAL JOINT; DIMENSIONS: ID 200 MM; MATERIAL: MS	EA	60		
280	222329	FLANGE: TYPE: UNIVERSAL JOINT; DIMENSIONS: ID 150 MM; MATERIAL: MS	EA	60		
281	222327	FLANGE: TYPE: UNIVERSAL JOINT; DIMENSIONS: ID 100 MM; MATERIAL: MS	EA	60		
282	222328	FLANGE: TYPE: UNIVERSAL JOINT; DIMENSIONS: ID 50 MM; MATERIAL: MS	EA	60		
283	557270	COUPLING: TYPE: FLANGE; SIZE: 300 MM; MATERIAL: MILD STEEL; SPECIFICATION: SABS 1123; CONNECTION 1: FACE; CONNECTION 2 SIZE: 324 MM; THICKNESS: 20 MM; FLAT FACE FLANGED DRILLED ACCORDING TO TABLE D; MANUFACTURED ACCORDING TO SANS 1123	EA	300		
284		SAFETY FILE (FIXED)	EA			
285		SAFETY FILE (YEARS 2-3)	ANNUALLY			

The total of the Prices

PART 3: SCOPE OF WORK

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C3.2	Supplier's Goods Information	1
	Total number of pages	

C3.1: *PURCHASER'S* GOODS INFORMATION

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1 Overview and purpose of the goods and services

The goods must be delivered as per the Purchase Order.

Eskom Holdings SOC Limited - Arnot Power Station will only accept deliveries as stipulated in the purchase order during office hours not later than 16:00 from Monday to Thursday and not later than 12:00 on Fridays. No wrong deliveries will be accepted and must be collected by the supplier. Quality and quantity will be assessed on each delivery. The *Supplier* will deliver the agreed quantity i.e., nothing less or more.

Non-deliveries will be a breach of contract conditions and will result in issuing Non-Conformance Report and terminating contract with immediate effect

2 Specification and description of the goods

MATERIAL	DESCRIPTION	UMC	QTY
704900	PIPE: INSIDE DIAMETER: 128.2 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 40; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 141.3MM; WALL THICKNESS 6.55MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	40
704905	PIPE: INSIDE DIAMETER: 206.3 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 20; ENDS: BEVELLED; TYPE: SEAMLESS; OUTSIDE DIAMETER 219.1MM; WALL THICKNESS 6.4MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15
704916	PIPE: INSIDE DIAMETER: 260.3 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 20; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 273.1MM; WALL THICKNESS 6.4M; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15
704924	PIPE: INSIDE DIAMETER: 311.1 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 20; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 323.9MM; WALL THICKNESS 6.4MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL	M	15

	STAMPED ON BOTH ENDS;		
704929	PIPE: INSIDE DIAMETER: 339.9 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; SPECIFICATION: EN10216-2:2002; SCHEDULE: 20; ENDS: BEVELLED; OUTSIDE DIAMETER 355.6MM; WALL THICKNESS 7.9MM; STRUCTURE: SEAMLESS; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15
676728	PIPE: INSIDE DIAMETER: 102.26 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 40; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 114.3 MM; WALL THICKNESS 6.02 MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15
676741	PIPE: INSIDE DIAMETER: 154.08 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN 10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 40; ENDS: BEVELLED; STRUCTURE: SEAMLESS; OUTSIDE DIAMETER 168.3 MM; WALL THICKNESS 7.11 MM; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	M	15
753862	PIPE: INSIDE DIAMETER: 20.70 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN 10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 160; STRUCTURE: SEAMLESS; ENDS: PLASTIC CAP; TYPE: PIPE; MATERIAL MUST CONFORM TO EN10204 TYPE 3.2 INSPECTION CERTIFICATE MATERIAL BE INCLUDED; MARKING ON PIPE MUST CORRESPOND WITH MARKINGS ON MATERIAL CERTIFICATE I E; PIPE HEAT NUMBER AND DIMENSIONS	M	60
753847	PIPE: INSIDE DIAMETER: 49.22 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 80; STRUCTURE: SEAMLESS; ENDS: PLASTIC CAP; TYPE: PIPE; MATERIAL MUST CONFORM TO EN10204 TYPE 3.2 INSPECTION CERTIFICATE MATERIAL BE INCLUDED; MARKING ON PIPE MUST CORRESPOND WITH MARKINGS ON MATERIAL CERTIFICATE I E; PIPE HEAT NUMBER AND DIMENSIONS	M	60
753864	PIPE: INSIDE DIAMETER: 254. 46 MM; LENGTH: 6 M; MATERIAL: 1,5415; SPECIFICATION: EN10216-2:2002; GRADE: 16M03; SCHEDULE: 40; STRUCTURE: SEAMLESS; ENDS: PLASTIC CAP; TYPE: PIPE; MATERIAL MUST CONFORM TO EN10204 TYPE 3.2 INSPECTION CERTIFICATE MATERIAL BE INCLUDED; MARKING ON PIPE MUST CORRESPOND WITH MARKINGS ON MATERIAL CERTIFICATE I E; PIPE HEAT NUMBER AND DIMENSIONS	M	60
753863	PIPE: INSIDE DIAMETER: 15.55 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN 10216-2:2002; GRADE: 10CRMO9-10; SCHEDULE: 160; STRUCTURE: SEAMLESS; ENDS: PLASTIC CAP; TYPE: PIPE; MATERIAL MUST CONFORM TO EN10204 TYPE 3.2 INSPECTION CERTIFICATE MATERIAL BE INCLUDED; MARKING ON PIPE MUST CORRESPOND WITH MARKINGS ON MATERIAL	M	60

	CERTIFICATE I E; PIPE HEAT NUMBER AND DIMENSIONS		
0646167	PIPE: INSIDE DIAMETER: 342.8 MM; LENGTH: 6 M; MATERIAL: CARBON STL; GRADE: ASTM 106 B; SCHEDULE: 10; OD: 355.6 MM; WALL THICKNESS: 6.4 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL EA STAMPED OR STENCILLED ON BOTH ENDS	EA	10
0646166	PIPE: INSIDE DIAMETER: 131.82 MM; LENGTH: 6 M; MATERIAL: CARBON STL; GRADE: ASTM 106 B; OD: 114.3 MM; WALL THICKNESS: 18.24 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR EA STENCILLED ON BOTH ENDS	EA	15
0656092	PIPE: INSIDE DIAMETER: 336.56 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: STANDARD; TYPE: SEAMLESS; OUTSIDE DIAMETER 355.6; WALL THICKNESS 9.5MM	EA	15
0656113	PIPE: INSIDE DIAMETER: 333.24 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; TYPE: SEAMLESS; OUTSIDE DIAMETER 355.6MM; WALL THICKNESS 11.13MM; SEAMLESS; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL EA STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0656082	PIPE: INSIDE DIAMETER: 77.92 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: STANDARD; TYPE: SEAMLESS; OUTSIDE DIAMETER 88.9MM; WALL THICKNESS 5.49MM	EA	15
0656084	PIPE: INSIDE DIAMETER: 303.18 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; TYPE: SEAMLESS; OUTSIDE DIAMETER 323.9MM; WALL THICKNESS 10.31MM	EA	15
0670838	PIPE: INSIDE DIAMETER: 15.76 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE: CA OUTSIDE DIAMETER 21.3 MM; WALL THICKNESS 2.77 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; EA STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670840	PIPE: INSIDE DIAMETER: 102.26 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE: OUTSIDE DIAMETER 114.3 MM; WALL THICKNESS 6.02 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204;		

	MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670842	PIPE: INSIDE DIAMETER: 49.22 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 60.3MM; WALL THICKNESS 5.54MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670844	PIPE: INSIDE DIAMETER: 52.48 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 60.3 MM; WALL THICKNESS 3.91 MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670849	PIPE: INSIDE DIAMETER: 34.02 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 48.3MM; WALL THICKNESS 7.14; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670850	PIPE: INSIDE DIAMETER: 38.14 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 48.3MM; WALL THICKNESS: 5.08MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670851	PIPE: INSIDE DIAMETER: 35.08 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTMA 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER; 42.2 MM; WALL THICKNESS: 3.56 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15

0670852	PIPE: INSIDE DIAMETER: 32.50 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 42.2 MM; WALL THICKNESS: 4.85 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670853	PIPE: INSIDE DIAMETER: 29.52 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 42.2 MM; WALL THICKNESS: 6.34 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670854	PIPE: INSIDE DIAMETER: 26.64 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 33.4 MM; WALL THICKNESS: 3.38 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0670855	PIPE: INSIDE DIAMETER: 24.3 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 33.4 MM; WALL THICKNESS: 4.55 MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	15
0670856	PIPE: INSIDE DIAMETER: 339.76 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: STANDARD; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 355.6 MM; WALL THICKNESS 7.92 MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671097	PIPE: INSIDE DIAMETER: 40.94 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 48.3MM; WALL THICKNESS: 3.68MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL	EA	15

	STAMPED OR STENCILLED ON BOTH ENDS;		
0671132	PIPE: INSIDE DIAMETER: 11.74 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER: 21.3MM; WALL THICKNESS: 4.78MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671133	PIPE: INSIDE DIAMETER: 20.96 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: ENDCAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 26.7MM; WALL THICKNESS 2.87MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671134	PIPE: INSIDE DIAMETER: 15.58 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 26.7MM; WALL THICKNESS 5.56MM; MATERIAL TO BE ACCOMPANIED BY 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671135	PIPE: INSIDE DIAMETER: 9.22 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS	EA	15
0671136	PIPE: INSIDE DIAMETER: 7.66 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 13.7MM, WALL THICKNESS 3.02MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671138	PIPE: INSIDE DIAMETER: 18.88 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 26.7MM; WALL THICKNESS 3.91MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME AND IDENTIFICATION	EA	15

	ALL STAMPED OR STENCILLED ON BOTH ENDS;		
0671139	PIPE: INSIDE DIAMETER: 13.84 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 80; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 21.3MM; WALL THICKNESS 3.73MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671140	PIPE: INSIDE DIAMETER: 206.4 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 20; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 219.1MM; WALL THICKNESS 6.35MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671156	PIPE: INSIDE DIAMETER: 260.3 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 20; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 273MM; WALL THICKNESS 6.35MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671157	PIPE: INSIDE DIAMETER: 20.7 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 33.4MM; WALL THICKNESS 6.35MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0671176	PIPE: INSIDE DIAMETER: 128.2 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 141.3MM; WALL THICKNESS 6.55MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15

0671177	PIPE: INSIDE DIAMETER: 254.46 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 273MM; WALL THICKNESS 9.27MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED, EA MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	15
0671178	PIPE: INSIDE DIAMETER: 154.08 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 168.3MM; WALL THICKNESS 7.11MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, EA STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS; END TO	15
0671180	PIPE: INSIDE DIAMETER: 202.74 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 40; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 219.1MM; WALL THICKNESS 8.18MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, EA STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	15
0671181	PIPE: INSIDE DIAMETER: 311.1 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 20; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 323.8MM; WALL THICKNESS 6.35MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, EA STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	15
0671182	PIPE: INSIDE DIAMETER: 304.76 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: STANDARD; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 323.8MM; WALL THICKNESS 9.52MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, EA STANDARD USED, MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	15

0671185	PIPE: INSIDE DIAMETER: 142.82 MM; LENGTH: 6 M; MATERIAL: CARBON STL; SPECIFICATION: ASTM A 106; GRADE: B; SCHEDULE: 160; ENDS: END CAP; TYPE: SEAMLESS; SEAMLESS/WELDED PIPE; OUTSIDE DIAMETER 60.3MM; WALL THICKNESS 8.74MM; MATERIAL TO BE ACCOMPANIED BY A 3.1 MATERIAL CERTIFICATE IN ACCORDANCE WITH BS EN10204; MANUFACTURERS NAME OR IDENTIFICATION MARK, STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
676738	PIPE: INSIDE DIAMETER: 303.28 MM; LENGTH: 6 M; MATERIAL: STL ALLOY; SPECIFICATION: EN 10216-2:10CRMO9-10; SCHEDULE: 40; ENDS: BEVELLED; TYPE: SEAMLESS; OUTSIDE DIAMETER 323.9 MM; WALL THICKNESS 10.31 MM; ALL ITEMS TO BE SUPPLIED WITH 3.1 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0000607	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 15 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: SABS 62-1971 GALV; STRUCTURE WELDED; THREADED ENDS WITH SOCKET	M	90
54979	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 15 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 3.2 MM; CONSTRUCTION: SEAMLESS; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SABS 62-1971 AMENDMENT 2 TABLE 3; FOR STEAM, SCREWED AND SOCKETED	M	120
54980	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 20 MM; MATERIAL: STL SABS 62; LENGTH: 6 M; WALL THICKNESS: 2.87 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; STEAM; HEAVY DUTY	M	120
54981	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 25 X OD 34 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4.05 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SABS 62-1971 AMENDMENT 2 TABLE 3; RATING MEDIUM STEAM, MATERIAL AND TEST CERTIFICATION TO BE SUPPLIED IN ACCORDANCE WITH THE RELEVANT SPECIFICATION	M	240
54982	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62-1971 AMEND 2 TABLE 3; STEAM PIPE	M	60
54985	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4.8 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SEAMLESS STEAM, TO THE LATEST EDITION OF SABS 62 AND BEARING THE MARK OF APPROVAL	M	240
54987	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 20 MM; MATERIAL: STL GALV; LENGTH: 6.7 M; CONSTRUCTION: SEAMLESS; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62; REFERENCE NO:20NB; RATING MEDIUM, STRUCTURE WELDED	M	180

54988	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 40 MM; MATERIAL: STL GALV; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62 AMEND 2 TABLE 3; ELECTRIC RESISTANCE	M	120
54989	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: STL GALV; LENGTH: 6 M; WALL THICKNESS: 3.65 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 763/62; PIPE, METALLIC; MATERIAL GS,	M	300
54990	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: GS SABS 62-1971; LENGTH: 6 M; WALL THICKNESS: 4.8 MM; CONSTRUCTION: WELDED; END TYPE: BSPT	M	180
54992	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 150 MM; MATERIAL: CS; LENGTH: 6.1 M; WALL THICKNESS: 5.4 MM; CONSTRUCTION: SEAM WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62 AMEND 2 TABLE 3; RATING HEAVY DUTY, FOR STEAM, 4.83 MPA HYDROSTATIC TEST PRESSURE, SCREWED AND SOCKETED IN	M	240
54994	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 65 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4.5 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62 AMEND 2 TABLE 3; STEAM PIPE, SEAM, HEAVY CLASS	M	60
55011	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: STL GALV; LENGTH: 6 M; WALL THICKNESS: 4.05 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62-1971; HEAVY CLASS,	M	60
55261	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 355.6 MM; MATERIAL: ASTM A106 GR B ABI; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; GRADE: 43A; SPECIFICATION: API 5L GR B; SIZE: 375.6 MM OD	M	180
55262	PIPE, SPECIAL PURPOSE: TYPE: PULVERIZED FUEL; DIMENSIONS: ID 508 MM X OD 527 MM X LG 6 M; MATERIAL: STL GR BS 3602/27; SCHEDULE: 20; ENDS: PLAIN; WALL THK 9.5MM; UNPAINTED; NOTE THESE SIZES ARE NON-STANDARD; PIPES TO BE SEAMLESS	M	600
55623	PIPE, NON METALLIC: NOMINAL PIPE SIZE DESIGNATION: 2 IN; MATERIAL: PVC; LENGTH: 6 M; CONSTRUCTION: SMLS; RATING: CL16; PLAIN ENDS, BSP; USED FOR ACID, CAUSTIC AND SULPHURIC ACID IN WATER PLANT	M	60
55957	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 457 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; GRADE: B; UNCOATED	M	180
55960	PIPE, SPECIAL PURPOSE: TYPE: HANDRAIL; DIMENSIONS: ID 28.2 MM X OD 34 MM X LG 6 M X WALL THK 2.65 MM; MATERIAL: GMS HOT DIP SABS 763; REFERENCE NO: 34MMX2,65	M	900
55961	PIPE, NON METALLIC: NOMINAL PIPE SIZE DESIGNATION: 110 MM; MATERIAL: PVC; LENGTH: 6 M; CONSTRUCTION: SMLS; REFERENCE NO: SL412; SOCKETED; COLOUR: WHITE; ENDS PLAIN	M	180

60225	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 308 X OD 324 MM; MATERIAL: MS; LENGTH: 12.19 M; WALL THICKNESS: 8 MM; CONSTRUCTION: SEAM WELDED; END TYPE: PLAIN; GRADE: 42A; UNCOATED PIPING WITH TEST M CERTIFICATE		600
222322	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 200 MM; MATERIAL: MS; LENGTH: 6 M; WALL THICKNESS: 20 MM; CONSTRUCTION: WELDED; END TYPE: BSP X FLANGE; SPECIFICATION: SABS 719; MATERIAL RECOVERY FROM MILL REJECT PROJECT, TO BE USED M BY PLATERSHOP FOR FABRICATION		60
222323	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: MS; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: BSP X FLANGE; SPECIFICATION: SABS 719; MATERIAL RECOVERY FROM MILL REJECT PROJECT THAT WAS UNSUCCESSFUL, TO BE USED BY PLATERSHOP FORM FABRICATION		90
222325	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: MS; LENGTH: 6 M; WALL THICKNESS: 12 MM; CONSTRUCTION: WELDED; END TYPE: BSP X FLANGE; SPECIFICATION: SABS 719; MATERIAL M RECOVERY FROM MILL REJECT PROJECT THAT FAILED, TO BE USED BY PLATERSHOP FOR FABRICATION		90
242708	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 250 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; SCHEDULE: 40; GRADE: 316; SUPPLIER NOTE: ONLY WITH 3.2 MATERIAL CERTIFICATE WILL BE ACCEPTED	EA	20
253715	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 12 MM; MATERIAL: STEEL; LENGTH: 6 M; WALL THICKNESS: 3 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 300 BAR; MAXIMUM OPERATING TEMP: 300 DEG C; SPECIFICATION: ST37.4	EA	20
592237	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: OD 458 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; MAXIMUM OPERATING TEMP: 150 DEG C; GRADE: NB 450; MILL BUNKER TO MILL FEEDER RAW COAL PIPE; SUPPLIER TO DELIVER PIPES WITH M MATERIAL CERTIFICATES		600
55962	TUBE, STRUCTURAL: DIMENSIONS: SQ 25 MM X LG 6.4 M; WALL THICKNESS: 1.6 MM; SHAPE: SQ; STRUCTURE: WELDED; MATERIAL: MS	M	180
55963	TUBE, STRUCTURAL: DIMENSIONS: SQ 38 MM X LG 6.4 M; WALL THICKNESS: 1.6 MM; SHAPE: SQ; STRUCTURE: WELDED; MATERIAL: MS; 14 SWG	M	180
114887	POST: TYPE: HANDRAIL STANCHION; DIMENSIONS: DIA 40 MM X LG 1 M; MATERIAL: GS HOT DIP; SUPPL P/N: SU-T90; BALL TYPE, TOP MOUNTED, BASE PLATE 10MM, M MATERIAL THICKNESS 3MM	EA	240
114884	POST: TYPE: HANDRAIL STANCHION; DIMENSIONS: DIA 40 MM X LG 1 M; MATERIAL: STL; REFERENCE NO: SUS90; FLAT SIDE MOUNTED, BASE PLATE 12MM THK WITH 2 HOLES, PIPE SIZE 43MM OUTSIDE DIAMETER X 3MM M THICK, PRIMER UNDERCOAT	EA	240
114886	POST: TYPE: HANDRAIL STANCHION; DIMENSIONS: DIA 40 MM X LG 1 M; MATERIAL: GS HOT DIP; REFERENCE NO: SUSRA; BALL TYPE, SIDE MOUNTED, ANGLE 45DEG, BASE PLATE 10MM THICK, OVERALL, MATERIAL M THICKNESS 3MM	EA	240

54984	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 50 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: BS 1387; SABS 62; TYPE: STEAM; RATING: 4.5MM WALL, STRUCTURE SEAMLESS	M	360
54986	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: STEEL SABS 62; LENGTH: 6 M; CONSTRUCTION: SEAMLESS; END TYPE: COUPLED X THD; RATING: 4800 KPA; SUPPL P/N: BS1387-67; REFERENCE NO: 100NB	M	60
54993	TUBE, STRUCTURAL: DIMENSIONS: OD 125 MM X LG 6 M; WALL THICKNESS: 4.5 MM; SHAPE: RD; STRUCTURE: SMLS; MATERIAL: STL; SPECIFICATION: SABS 62-1971; STEAM, THREADED ENDS, SCREWED AND SOCKETED	M	360
222324	PIPE, ASSEMBLY: CONNECTION: BW X FLANGE; DIMENSIONS: DIA 150 MM X LG 6 M; SPECIFICATION SABS 719, RATING 10 MM WALL, STRUCTURE WELDED;	M	120
222194	TUBE, BOILER STRAIGHT: NOMINAL SIZE: OD 408 MM; WALL THICKNESS: 9.5 MM; MATERIAL: A106; LENGTH: 6.7 M; STRUCTURE: SMLS; ENDS: BW; GRADE: B; SPECIFICATION: BS 3602; MATERIAL AND TEST CERTIFICATE ACCORDING TO THE REQUIREMENTS USE ON THE DEAERATOR STEAM PIPING	M	100
704464	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 250 X 100 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
704449	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 350 X 250 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	10
704467	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 350 X 150 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS; ENS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15
704468	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 250 X 125 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR		

	IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS; ENDS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15
704470	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 200 X 100 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10 ALLOY STEEL; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO SUPPLIED WITH 3.2 MATERIAL CERTIFICATE ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
704895	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 350 X 300 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	10
704446	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 300 X 200 MM; CONNECTION: BUTT WELD; MATERIAL: 10CRMO9-10; RATING: PN40; SCHEDULE: 20; SPECIFICATION: EN10253-2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS PER CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS;	EA	15
0656040	REDUCER: TYPE: CONCENTRIC; NOMINAL SIZE: 200 X 150 MM; CONNECTION: BW; MATERIAL: CARBON STEEL; OUTSIDE DIAMETER 219.1MM X 168 MM; FITTED/CONNECTED TO A BUTT WELD	EA	12
0646160	REDUCER, PIPE: TYPE: CONICAL; NOMINAL SIZE: 200 X 80 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: ASTM A234 WB; SCHEDULE: 80; STRUCTURE: SEAMLESS; REDUCING OD: 355.6 MM TO 219.1 MM; WALL THICKNESS: 7.6 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12
656242	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 350 X 200 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; SCHEDULE: STD; SPECIFICATION: ASTM A234; OUTSIDE DIAMETER 355.6MM; FITTED/CONNECTED TO A BUTT WELD	EA	12
0646161	REDUCER, PIPE: TYPE: CONICAL; NOMINAL SIZE: 300 X 150 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: ASTM A234 WB; SCHEDULE: 80; REDUCING OD: 323.8 MM TO 168.3 MM; WALL THICKNESS: 10.97 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED		

	WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12
0646162	REDUCER, PIPE: TYPE: CONICAL; NOMINAL SIZE: 350 X 250 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: ASTM A234 WB; SCHEDULE: 60; REDUCING OD: 355.6 MM TO 273 MM; WALL THICKNESS: 12.7 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12
0646163	REDUCER, PIPE: TYPE: CONICAL; NOMINAL SIZE: 200 X 150 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: ASTM A234 WB; REDUCING OD: 219.1 MM TO 143.3 MM; WALL THICKNESS: 6.4 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12
688721	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 15 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; RATING: 300 BAR; SCHEDULE: 160; SPECIFICATION: ASTM A234; MEDIA FOR WHICH DESIGNED: STEAM/ WATER; BUTT WELDING FITTINGS; TO BE SUPPLIED WITH EN10204 3.1 CERTIFICATE	EA	90
688724	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 20 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; RATING: 300 BAR; SCHEDULE: 160; SPECIFICATION: ASTM A234; MEDIA FOR WHICH DESIGNED: STEAM/WATER; BUTT WELDING FITTINGS; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	90
688723	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 32 X 25 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; RATING: 300 BAR; SCHEDULE: 160; SPECIFICATION: ASTM A234; MEDIA FOR WHICH DESIGNED: STEAM/WATER; BUTT WELDING FITTINGS; TO BE SUPPLIED WITH EN10204 3.1 CERTIFICATE	EA	90
688722	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 40 X 25 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; RATING: 300 BAR; SCHEDULE: 160; SPECIFICATION: ASTM A234; MEDIA FOR WHICH DESIGNED: STEAM/WATER; BUTT WELDING FITTINGS; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE.	EA	90
0057171	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 15 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740	EA	60
57116	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 40 X 20 MM; CONNECTION: BSP X FBSP; MATERIAL: MI CAST; SPECIFICATION: BS 143/52; SABS 509/55	EA	50
57172	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 15 X 10 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	90
57173	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 15 X 8 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS S1740- 1965 AMENDMENT 1 TABLE 13; SOCKET, STEAM	EA	60

57174	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 20 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13	EA	90
57177	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 25 MM; CONNECTION: FNPT; MATERIAL: STEEL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60
57179	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 25 X 15 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; SPECIFICATION: BS S1740; REFERENCE NO: 25X15BSP; STEAM PSI, BSP THREAD	EA	60
57181	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 10 X 8 MM; CONNECTION: NPT; MATERIAL: STL; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13; STEAM, SOCKET BSP THREAD	EA	60
57189	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 80 X 50 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS 1740; STEAM SOCKET; BSP THREAD	EA	60
57334	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 32 X 25 MM; CONNECTION: NPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60
657	TEE, PIPE: SIZE: 15 MM; CONNECTION: FBSP; MATERIAL: STL GALV	EA	250
658	TEE, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: STL GALV; SUPPLY FOUR PER SEALED BAG	EA	60
57141	TEE, PIPE: SIZE: 25 MM; CONNECTION: FBSP; MATERIAL: STL GALV	EA	250
57146	TEE, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: STL; GRADE: 4.6; SPECIFICATION: BS 1740	EA	60
57147	TEE, PIPE: SIZE: 25 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS 1740	EA	60
186897	TEE, PIPE: SIZE: 25 MM; CONNECTION: NPT; MATERIAL: STL DIN 3859; RATING: 315 BAR; SPECIFICATION: ISO 2081-4520; SUPPL P/N: SFA 5-38; HYDRAULIC T-PIECE; M25-2 PITCH; COMPLETE WITH NUTS AND FERRULES; YELLOW PASSIVATION CORROSION PROOFING ON STEEL; USED ON LOESCHE MILL HYDRAULIC SYSTEM(ACCUMULATOR)	EA	60
704936	PIPE BEND, METALLIC: DIAMETER: 114.3 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 152.4 MM; SPECIFICATION: EN 10253- 2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OREA IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	EA	15
704894	PIPE BEND, METALLIC: DIAMETER: 355.6 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 533.4 MM; SPECIFICATION: EN 10253- 2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OREA IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	EA	15

704941	PIPE BEND, METALLIC: DIAMETER: 141.3 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90; SCHEDULE: 20; RADIUS: 190.5 MM; SPECIFICATION: EN 10253-2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS; ENDS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15
704944	PIPE BEND, METALLIC: DIAMETER: 219.1 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 304.8 MM; SPECIFICATION: EN 10253- 2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS; ENDS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15
704949	PIPE BEND, METALLIC: DIAMETER: 168.3 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 228.6 MM; SPECIFICATION: EN 10253- 2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS; ENDS TO BE PLUGGED WITH PLASTIC END CAP MATERIAL	EA	15
704952	PIPE BEND, METALLIC: DIAMETER: 273.1 MM; CONNECTION: BUTT WELD; MATERIAL: STL ALLOY; GRADE: 10CrMo9-10; DEGREE: 90 DEG; SCHEDULE: 20; RADIUS: 381 MM; SPECIFICATION: EN 10253-2; ALL ITEMS TO BE SUPPLIED WITH 3.2 MATERIAL CERTIFICATION ACCORDING TO SANS EN 10204; CONFORMITY REPORT AS CLASSIFIED IN PER TO BE SUBMITTED; MANUFACTURERS NAME OR IDENTIFICATION MARK; STANDARD USED; MATERIAL IDENTIFICATION ALL STAMPED ON BOTH ENDS;	EA	15
0646278	BEND, PIPE: OUTSIDE DIAMETER: 457.2 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 30; WALL THICKNESS: 9.5 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH ENDS	EA	12
0646289	BEND, PIPE: OUTSIDE DIAMETER: 323.9 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 30; WALL THICKNESS: 8.4 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL	EA	12

	STAMPED OR STENCILLED ON BOTH ENDS		
0646290	BEND, PIPE: OUTSIDE DIAMETER: 273 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 40; WALL THICKNESS: 9.3 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR EA STENCILLED ON BOTH ENDS	12	
0646287	BEND, PIPE: OUTSIDE DIAMETER: 60.3 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WPB; SCHEDULE: 160; WALL THICKNESS: 8.74 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR STENCILLED ON BOTH EA	12	
0646286	BEND, PIPE: OUTSIDE DIAMETER: 273 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 60; WALL THICKNESS: 12.7 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR EA STENCILLED ON BOTH ENDS	12	
0646283	BEND, PIPE: OUTSIDE DIAMETER: 219.1 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 80; WALL THICKNESS: 12.7 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL EA STAMPED OR STENCILLED ON BOTH ENDS	12	
0646282	BEND, PIPE: OUTSIDE DIAMETER: 219.1 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 40; WALL THICKNESS: 8.2 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL EA STAMPED OR STENCILLED ON BOTH ENDS	12	
0646279	BEND, PIPE: OUTSIDE DIAMETER: 355.6 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WB; SCHEDULE: 10; WALL THICKNESS: 6.4 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL EA STAMPED OR STENCILLED ON BOTH ENDS	12	
0646281	BEND, PIPE: OUTSIDE DIAMETER: 88.9 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: ASTM A234 WPB; SCHEDULE: 40; WALL THICKNESS: 5.5 MM; 3.2 MATERIAL CERTIFICATE TO BE SUPPLIED IN ACCORDANCE WITH EN10204; ENDS TO BE PLUGGED WITH PLASTIC MATERIAL; MATERIAL IDENTIFICATION ALL STAMPED OR EA STENCILLED ON BOTH ENDS	30	

0655577	PIPE BEND, METALLIC: DIAMETER: 273 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: STANDARD 40 KPA; RADIUS: LONG; SPECIFICATION: ASTM A234	EA	12
688803	PIPE BEND, METALLIC: DIAMETER: 26.7 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 28.6 MM; SPECIFICATION: ASTM A234; BUTT WELDING; 90 DEGREE ELBOW LONG RADIUS; ANSI B 16.9; 20MM NOMINAL PIPE DIAMETER SCHEDULE 5 EXTRA STRONG; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE; END TO BE PLUGGED WITH PLASTIC MATERIAL	EA	30
688805	PIPE BEND, METALLIC: DIAMETER: 33.4 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 38.1 MM; SPECIFICATION: ASTM A234; BUTT WELDING FITTINGS; 90 DEGREE ELBOW LONG RADIUS; ANSI B 16.9; 25MM NOMINAL PIPE DIAMETER SCHEDULE 5 EXTRA STRONG; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	30
688819	PIPE BEND, METALLIC: DIAMETER: 48.3 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 57.2 MM; SPECIFICATION: ASTM; BUTT WELDING FITTINGS; 90 DEGREES ELBOW LONG RADIUS; ANSI B 16.9; 40MM NOMINAL PIPE DIAMETER; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	30
688816	PIPE BEND, METALLIC: DIAMETER: 60.3 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 76.2 MM; SPECIFICATION: ASTM A234; BUTT WELDING FITTINGS; 90 DEGREES ELBOW LONG RADIUS; ANSI B16.9; 50MM NOMINAL PIPE DIAMETER; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	30
59318	ELBOW, TUBE ADAPTOR: SIZE: 6 MM X 1/4 IN; INLET CONNECTION: COMPRESSION; OUTLET CONNECTION: NPT; MATERIAL: BRASS; DEGREE: 90 DEG; SUPPL P/N: B6M0-2-4; TAPER	EA	200
59320	ELBOW, TUBE ADAPTOR: SIZE: 6 MM X 1/2 IN; INLET CONNECTION: COMPRESSION; OUTLET CONNECTION: NPT; MATERIAL: BRASS; DEGREE: 90 DEG; SUPPL P/N: B6M0-2-8; TAPER	EA	200
662	ELBOW, PIPE: SIZE: 15 MM; CONNECTION: FNPT; MATERIAL: MI SABS 509 GALV HOT DIP; DEGREE: 90 DEG; RADIUS: SHORT	EA	100
665	BEND, PIPE: OUTSIDE DIAMETER: 15 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV HOT DIP SABS 763; DEGREE: 90 DEG; RADIUS: LONG	EA	100
57196	BEND, PIPE: OUTSIDE DIAMETER: 15 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62; REFERENCE NO: STEAMBEND15MM; STEAM; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA	100
57197	BEND, PIPE: OUTSIDE DIAMETER: 20 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62-1971; REFERENCE NO: STEAMBEND20MM; STEAM; MALE THREAD WITH	EA	100

	SOCKET ONE END		
57198	BEND, PIPE: OUTSIDE DIAMETER: 25 MM; CONNECTION: SW X NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION:SABS 62-1971; STEAM	EA	100
57199	BEND, PIPE: OUTSIDE DIAMETER: 32 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62; STEAM; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA	60
57200	BEND, PIPE: OUTSIDE DIAMETER: 40 MM; CONNECTION: NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION:SABS 62; STEAM	EA	60
57201	BEND, PIPE: OUTSIDE DIAMETER: 50 MM; CONNECTION: SW X NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION:SABS 62-1971; STEAM	EA	100
57203	BEND, PIPE: OUTSIDE DIAMETER: 80 MM; CONNECTION: NPT X FNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62-1971; STEAM; MALE AND FEMALE THREADED; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA	60
57204	BEND, PIPE: OUTSIDE DIAMETER: 100 MM; CONNECTION: NPT; MATERIAL: STL; DEGREE: 90 DEG; SPECIFICATION: SABS 62-1971; WITH SOCKET ONE END	EA	60
57206	BEND, PIPE: OUTSIDE DIAMETER: 150 MM; CONNECTION: NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION:SABS 62-1971; REFERENCE NO: 150NB	EA	60
57210	ELBOW, PIPE: SIZE: 15 MM; CONNECTION: FNPT; MATERIAL: MS BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; SCHEDULE: 40; SEAMLESS;STEAM	EA	100
57211	ELBOW, PIPE: SIZE: 20 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM	EA	100
57214	ELBOW, PIPE: SIZE: 40 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM; TO BSS 1740-1971	EA	60
57215	ELBOW, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM	EA	100
57221	ELBOW, PIPE: SIZE: 20 MM; CONNECTION: FNPT; MATERIAL: STEEL GALVANIZED; DEGREE: 90 DEG; RADIUS: SHORT	EA	80
57222	ELBOW, PIPE: SIZE: 25 MM; CONNECTION: FNPT; MATERIAL: MI GALV; DEGREE: 90 DEG; RADIUS: SHORT	EA	80
57226	ELBOW, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: MI GALV; DEGREE: 90 DEG; RADIUS: SHORT; TYPE: WATER	EA	80
57256	BEND, PIPE: OUTSIDE DIAMETER: 6 MM; CONNECTION: NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION:SABS 62-1971	EA	60
57434	BEND, PIPE: OUTSIDE DIAMETER: 20 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV; DEGREE: 45 DEG; RADIUS: LONG	EA	60
57435	BEND, PIPE: OUTSIDE DIAMETER: 25 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV; DEGREE: 45 DEG; RADIUS: LONG	EA	60

59139	BEND, PIPE: OUTSIDE DIAMETER: 200 MM; CONNECTION: BW; MATERIAL: CI ASTM A234; DEGREE: 90 DEG; RADIUS: LONG; GRADE:WPB; SCHEDULE: 40; 1.5D CERTIFICATE REQUIRED	EA	30
60146	ELBOW, PIPE ADAPTOR: SIZE: 25 MM; INLET CONNECTION: FNPT; OUTLET CONNECTION: COMPRESSION; MATERIAL: STL CD PLTD; DEGREE: 90 DEG; RADIUS: LONG; 16B90S16 BS; MALE AND FEMALE; COMPLETE WITH COLLAR; FEMALE THREADED 31 MM; MALE END; FOR 25 MM ID HOSE	EA	30
60159	ELBOW, PIPE ADAPTOR: SIZE: 3/4 IN; INLET CONNECTION: NPT; OUTLET CONNECTION: FNPT; MATERIAL: STL CD PLTD; DEGREE: 90 DEG; RADIUS: SHORT; STEEL WINDOW; 12 A 12U; BSP; FEMALE	EA	20
222317	BEND, PIPE: OUTSIDE DIAMETER: 50 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 85MM; PF MILL	EA	30
222320	BEND, PIPE: OUTSIDE DIAMETER: 100 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 330MM; PF MILL	EA	20
688816	PIPE BEND, METALLIC: DIAMETER: 60.3 MM; CONNECTION: BUTT WELD; MATERIAL: CARBON STEEL; GRADE: WPB; DEGREE: 90 DEG; SCHEDULE: EXTRA STRONG; RADIUS: 76.2 MM; SPECIFICATION: ASTM A234; BUTT WELDING FITTINGS; 90 DEGREES ELBOW LONG RADIUS; ANSI B16.9; 50MM NOMINAL PIPE DIAMETER; TO BE SUPPLIED WITH EN 10204 3.1 CERTIFICATE	EA	20
222316	BEND, PIPE: OUTSIDE DIAMETER: 100 MM; MATERIAL: MS; DEGREE: 45 DEG; FOR FABRICATION; LG 150MM; PF MILL	EA	30
222321	BEND, PIPE: OUTSIDE DIAMETER: 50 MM; MATERIAL: MS; DEGREE: 45 DEG; FOR FABRICATION LG 180MM; TYPE: PF MILL	EA	30
222319	BEND, PIPE: OUTSIDE DIAMETER: 150 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 420MM; PF MILL	EA	30
222320	BEND, PIPE: OUTSIDE DIAMETER: 100 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 330MM; PF MILL	EA	30
222318	BEND, PIPE: OUTSIDE DIAMETER: 200 MM; MATERIAL: MS; DEGREE: 90 DEG; FOR FABRICATION; LG 570MM; PF MILL	EA	30
606	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 25 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: SABS 62; SABS 763 GALV; RATING 3.2MM WALL, STRUCTURE WELDED; THREADED ENDS WITH SOCKET	M	150
607	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 15 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: SABS 62-1971 GALV; STRUCTURE WELDED; THREADED ENDS WITH SOCKET	M	150
651	UNION, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: GI; SPECIFICATION: BS 1387; SABS 62; REFERENCE NO: 256	EA	150
652	UNION, PIPE: SIZE: 25; CONNECTION: FPT; MATERIAL: STEEL GALV; SPECIFICATION: SABS 763	EA	150
653	UNION, PIPE: SIZE: 15 MM; CONNECTION: FPT; MATERIAL: STL GALV; SPECIFICATION: SABS 763	EA	150
659	COUPLING, PIPE: SIZE: 15 MM; CONNECTION: FBPT; MATERIAL: STL GALV	EA	150
660	COUPLING, PIPE: SIZE: 20 MM; CONNECTION: FPT; MATERIAL: MI GALV; SPECIFICATION: SABS 763; STYLE: SOCKET; 33 MM LONG	EA	150
661	COUPLING, PIPE: SIZE: 25 MM; CONNECTION: FPT; MATERIAL: MI GALV; SPECIFICATION: SABS 509-1955	EA	150

	TABLE 13; STYLE: SOCKET		
663	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: NPT; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FNPT; MATERIAL: MI GALV; SPECIFICATION BS143/52, SABS 509/55; HEXAGON HEAD ONE END	EA	150
50671	ADAPTOR, HOSE TO PIPE: HOSE SIZE: 14 MM; HOSE CONNECTION: SLIP ON; PIPE SIZE: 35 MM; PIPE CONNECTION: NPT; MATERIAL: STEEL; SUPPL P/N: 206; INNER BODY; PEABODY; ITEM 22; FOR USE WITH OIL BURNER NOZZLE	EA	200
54984	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: DIA 50 MM X LG 6 M; MATERIAL: STL; SPECIFICATION: BS 1387; SABS 62; TYPE: STEAM; RATING 4.5MM WALL, STRUCTURE SEAMLESS	M	150
55010	PIPE, ASSEMBLY: CONNECTION: THD X COUPLER; DIMENSIONS: ID10 MM X LG 6.7 M X THK 2.9 MM; MATERIAL: STL GALV; MEDIUM; STRUCTURE SEAMLESS	M	100
57109	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: BSP; OUTLET SIZE: 10 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60
57113	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60
57114	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52; FOR STEAM	EA	100
57115	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: NPT; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FPT; MATERIAL: MI; REFERENCE NO: 140-32X20MM; HEXAGON HEAD ONE END, BEARING THE SABS MARK OF APPROVAL; SPECIFICATION: SABS 509/55	EA	60
57117	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	EA	60
57118	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 32 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	30
57119	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60
57121	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 40 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60
57122	ADAPTOR, PIPE: INLET SIZE: 65 MM; INLET CONNECTION: NPT; OUTLET SIZE: 40 MM; OUTLET CONNECTION: FPT; MATERIAL: MI; HEXAGON HEAD ONE END	EA	60
57126	COUPLING, PIPE: SIZE: 10 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; GRADE 4.6; STEAM	EA	100

57127	COUPLING, PIPE: SIZE: 15 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; GRADE 4.6; STEAM PIPE	EA	150
57128	COUPLING, PIPE: SIZE: 20 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; FOR STEAM PIPE; PLAIN	EA	150
57129	COUPLING, PIPE: SIZE: 25 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 1740; STYLE: SOCKET; GRADE 4.6; STEAM PIPE	EA	150
57130	COUPLING, PIPE: SIZE: 32 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62; STYLE: SOCKET; GRADE 4.6, STEAM PIPE	EA	100
57131	COUPLING, PIPE: SIZE: 40 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; GRADE 4.6; STEAM PIPE	EA	60
57132	COUPLING, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; GRADE 4.6; STEAM	EA	150
57184	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: NPT; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FPT; MATERIAL: MI; HEXAGON HEAD ONE END	EA	60
57185	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60
57190	ADAPTOR, PIPE: INLET SIZE: 15 MM; INLET CONNECTION: BSP; OUTLET SIZE: 10 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	60
57192	ADAPTOR, PIPE: INLET SIZE: 10 MM; INLET CONNECTION: BSP; OUTLET SIZE: 8 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	20
57233	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	EA	20
57237	ADAPTOR, PIPE: INLET SIZE: 8 MM; INLET CONNECTION: BSP; OUTLET SIZE: 6 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA	20
57247	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; RATING 75 BAR; SPECIFICATION BS143/52, SABS 509/55; HEXAGON HEAD ONE END	EA	60
57248	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: NPT; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FPT; MATERIAL: STL GALV; HEXAGON HEAD ONE END	EA	60
57286	UNION, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 763	EA	70
57288	UNION, PIPE: SIZE: 15 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS 1740-1971; SOCKET	EA	150
57291	UNION, PIPE: SIZE: 40 MM; CONNECTION: FBSP; MATERIAL: MI GALV; SPECIFICATION: SABS 763; GRADE: B; FLAT FACED	EA	60

57294	UNION, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS S1740-1971	EA	60
57295	UNION, PIPE: SIZE: 40 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS 1740; GRADE: 4.6; FOR STEAM APPLICATION	EA	60
57297	UNION, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: STEEL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60
57298	UNION, PIPE: SIZE: 25 MM; CONNECTION: FNPT; MATERIAL: STEEL; SPECIFICATION: BS 1740-1971	EA	200
57299	UNION, PIPE: SIZE: 32 MM; CONNECTION: FBSP; MATERIAL: STL ASTM A105 BLACK; RATING: 3000 LB; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60
57302	COUPLING, PIPE: SIZE: 40 MM; CONNECTION: FBPT; MATERIAL: STL GALV; STYLE: STRAIGHT	EA	60
57304	COUPLING, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: STL GALV; SPECIFICATION: SABS 763; STYLE: SOCKET; BSP	EA	60
58281	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 3/8 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; SUPPL P/N: SS600-1-6	EA	60
58425	COUPLING, PIPE: SIZE: OD 324 MM; CONNECTION: SLIP ON; MATERIAL: STL RED OXIDE; STYLE: DOUBLE SLEEVE; BOLT SIZE: M12 X 280 MM WITH GALVANIZED NUTS AND WASHERS; BRACKET: 1 PAIR; BRACKET MATERIAL: CAST IRON; NUMBER OF BRACKET HOLE: 6; BARREL MATERIAL: MILD STEEL; WALL THICKNES: 4-8 MM; COMPLETE WITH RUBBER RINGS; SEAL: 2 OFF; MATERIAL CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; PAINTING: RED OXIDE; FOR MODEL: 324 DSEA	EA	300
58787	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STAINLESS STEEL; SUPPL P/N: SS400-1-8; TAPER	EA	200
59018	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: BSPT; MATERIAL: BRASS; SUPPL P/N: B810-1RT	EA	150
59216	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/8 IN; PIPE CONNECTION: BSPP; MATERIAL: BRASS; SUPPL P/N: B400-1-2RS	EA	150
59245	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/8 IN; PIPE CONNECTION: BSP; MATERIAL: STAINLESS STEEL; SUPPL P/N: SS400-1-2RT	EA	60
59265	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: BSPP; MATERIAL: BRASS; SUPPL P/N: B6M0-1-4RS	EA	250
59291	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: FBSP; MATERIAL: BRASS; SUPPL P/N: B6M0-7-8RG; GAUGE	EA	100
59421	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT TAPER; MATERIAL: BRASS; SUPPL P/N:	EA	100

	B6MO-1-8		
59441	COUPLING, PIPE: SIZE: 406 MM; CONNECTION: COMPRESSION; MATERIAL: STL RED OXIDE; SINGLE SLEEVE; FOR MODEL 406DS PIPE; COMPLETE WITH GALV BOLTS AND RUBBER GASKET; STORAGE: UNDER ROOF	EA	60
59442	COUPLING, PIPE: SIZE: 406 MM; CONNECTION: COMPRESSION; MATERIAL: STL RED OXIDE; VIKING/CONFLEX; DOUBLE SLEEVE; FOR MODEL 406DS PIPE; COMPLETE WITH GALV BOLTS AND RUBBER GASKET; STORAGE: UNDER ROOF	EA	30
60153	ADAPTOR, PIPE: INLET SIZE: 1/2 IN; INLET CONNECTION: BSP; OUTLET SIZE: 1/2 IN; OUTLET CONNECTION: BSP; MATERIAL: STL; SUPPL P/N: 6605050; HYDRAULIC	EA	30
60172	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 3/8 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: PT; MATERIAL: STAINLESS STEEL; SUPPL P/N: SS600-6	EA	30
60232	COUPLING, PIPE: SIZE: 419 MM; CONNECTION: SLIP ON; MATERIAL: STEEL; C/W RUBBER GASKET AND BOLTS	EA	150
60247	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; INSTRUMENTS	EA	150
60265	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 14 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: BSPP; MATERIAL: STEEL; SUPPL P/N: S14MO-1-8RS	EA	60
60279	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 12 MM; PIPE CONNECTION: NPT; MATERIAL: STEEL; SUPPL P/N: GE12L; MALE STUD	EA	30
60325	UNION, PIPE: SIZE: 40 MM; CONNECTION: SLIP ON; MATERIAL: PVC; RATING: CL16; SPECIFICATION: NZS4129; GRADE: A; KIWA -A	EA	30
61275	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; SUPPL P/N: SS40014	EA	150
61467	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: B400-1-8; B400-1-8	EA	100
61761	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT TAPER; MATERIAL: BRASS; SUPPL P/N: B-6M0-1-4	EA	200
175333	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/8 IN; PIPE CONNECTION: BSPT; MATERIAL: BRASS; SUPPL P/N: B-6M0-1-2	EA	200
584364	ADAPTOR, PIPE: INLET SIZE: 38 MM; INLET CONNECTION: FEMALE; OUTLET SIZE: 2 IN; OUTLET CONNECTION: MALE; MATERIAL: BSP; APPLICATION: ACCUMULATOR MILLS; MATERIAL MUST BE PROTECTED AGAINST DUST; DAMAGE AND RUST	EA	100

585467	ADAPTOR, PIPE: INLET SIZE: 1-1/2 IN; INLET CONNECTION: MALE; OUTLET SIZE: 38 MM; OUTLET CONNECTION: MALE; MATERIAL: MS; APPLICATION: POWER CYLINDER MILLS; THE MATERIAL MUST BE PROTECTED AGAINST DUST AND DAMAGE; BSP	EA	100
59335	UNION, TUBE: SIZE: 12 MM; MATERIAL: STAINLESS STEEL; CONNECTION: COMPRESSION; SUPPL P/N: SS12M0-6	EA	250
0000666	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 15 MM; LENGTH: 51 MM; CONNECTION: THD; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763	EA	250
654	PLUG, PIPE: SIZE: 15 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15	EA	150
655	PLUG, PIPE: SIZE: 20 MM; HEAD: SQ; CONNECTION: THD; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15; REFERENCE NO: QR;	EA	60
656	PLUG, PIPE: SIZE: 25 MM; HEAD: SQ; CONNECTION: THD; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15; BS 143:1952	EA	30
667	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 20 MM; LENGTH: 54 MM; CONNECTION: THD; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763; 62-1971 TABLE 9 FIG 3C	EA	150
668	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 25 MM; LENGTH: 60 MM; CONNECTION: THD; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763; 62-1971	EA	150
57099	PLUG, PIPE: SIZE: 8 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STEEL; GRADE: 4.6; SPECIFICATION: BS 1740; STEAM	EA	60
57100	PLUG, PIPE: SIZE: 10 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; GRADE: 4.6; SPECIFICATION: BS 1740; REFERENCE NO: 3- 8INBSP; STEAM	EA	60
57138	PLUG, PIPE: SIZE: 50 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA	100
57139	PLUG, PIPE: SIZE: 32 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA	60
57140	PLUG, PIPE: SIZE: 40 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS 1740-1965; STEAM	EA	60
57166	PLUG, PIPE: SIZE: 80 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; GRADE: 4.6; FOR STEAM APPLICATION	EA	60
57167	PLUG, PIPE: SIZE: 65 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: ASTM A105; BS 1740; FOR STEAM APPLICATION	EA	30
57271	PLUG, PIPE: SIZE: 6 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STEEL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA	60
57272	PLUG, PIPE: SIZE: 15 MM; HEAD: SQ; CONNECTION: PT; MATERIAL: STEEL; GRADE: B; SPECIFICATION: BS 1740; RATING PSI	EA	100
57273	PLUG, PIPE: SIZE: 20 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA	60
57274	PLUG, PIPE: SIZE: 25 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS 1740 AMENDMENT 1 TABLE 25; FOR STEAM APPLICATION	EA	100
57316	NIPPLE, PIPE: TYPE: RUNNING; INSIDE DIAMETER: 20 MM; LENGTH: 30 MM; CONNECTION: THD; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM	EA	30

57318	NIPPLE, PIPE: TYPE: RUNNING; INSIDE DIAMETER: 10 MM; LENGTH: 21 MM; CONNECTION: THD; MATERIAL: STL; GRADE: B; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM PIPE	EA	30
57343	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 6 MM; LENGTH: 32 MM; CONNECTION: NPT; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM , MALE THREADED BOTH ENDS	EA	30
57344	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 8 MM; LENGTH: 38 MM; CONNECTION: THD; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62-1971 TABLE 9 FIG 3C; STEAM , MALE THREADED BOTH END	EA	60
57345	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 15 MM; LENGTH: 51 MM; CONNECTION: THD; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM PIPE	EA	150
57346	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 10 MM; LENGTH: 38 MM; CONNECTION: THD; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62-1971 TABLE 9 FIG 3C; STEAM PIPE	EA	60
57347	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 20 MM; LENGTH: 54 MM; CONNECTION: NPT; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62 TABLE 9 FIG 3C; FOR STEAM	EA	200
57348	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 25 MM; LENGTH: 65 MM; CONNECTION: THD; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62-1971 TABLE 9 FIG 3C; FOR STEAM BARREL	EA	200
57349	NIPPLE, PIPE: TYPE: SEAMLESS SHORT; INSIDE DIAMETER: 32 MM; LENGTH: 70 MM; CONNECTION: NPT; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA	EA	100
57350	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 40 MM; LENGTH: 70 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62-1971	EA	100
57351	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 50 MM; LENGTH: 79 MM; CONNECTION: NPT; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62; STEAM PIPE	EA	80
57352	NIPPLE, PIPE: TYPE: SEAMLESS SHORT; INSIDE DIAMETER: 65 MM; LENGTH: 89 MM; CONNECTION: NPT; MATERIAL: STL; GRADE: 4.6; RATING: 4830 KPA; SPECIFICATION: SABS 62; FOR STEAM BARREL	EA	30
57353	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 80 MM; LENGTH: 102 MM; CONNECTION: THD; MATERIAL: STL; RATING: 4830 KPA; SPECIFICATION: SABS 62; MALE THREADED BOTH ENDS	EA	40
57361	NIPPLE, PIPE: TYPE: SEAMLESS SHORT; INSIDE DIAMETER: 40 MM; LENGTH: 75 MM; CONNECTION: BSP; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763/62-1971 TABLE 9 FIG 3C; BARREL NIPPLE, THREADED BOTH ENDS; GRADE B	EA	30
57362	NIPPLE, PIPE: TYPE: BARREL; INSIDE DIAMETER: 50 MM; LENGTH: 79 MM; CONNECTION: THD; MATERIAL: STL GALV; RATING: 4830 KPA; SPECIFICATION: SABS 763/62-1971 TABLE 9 FIG 3C	EA	200

57401	FLANGE, PIPE: TYPE: THD NECK; PIPE SIZE: 65 MM; MATERIAL: STEEL; STYLE: RF; FLANGE DIAMETER: 165.1 MM; STEAM, BLANK, TABLE 3E	EA	60
57414	FLANGE, PIPE: TYPE: COMPANION SCREWED; BORE: 50 MM; MATERIAL: MS; SPECIFICATION: BS TABLE D; BOLT HOLES: 4; BOLT HOLE SIZE: 12 MM; FLANGE DIAMETER: 152.4 MM; SIZE: 12MM THK	EA	60
59611	FLANGE, PIPE: BORE: 25 MM; MATERIAL: STL; SPECIFICATION: TABLE 3E; FLANGE DIAMETER: 115 MM; REFERENCE NO: 3E; TYPE DRILLED	EA	60
753861	FLANGE: TYPE: SLIP ON; DIMENSIONS: ID 411 X OD 565 X THK 32 MM; MATERIAL: CARBON STEEL; STYLE: FLAT FACE; RATING: PN10 BAR; GRADE: P250GH; SPECIFICATION: BS EN 1092-1:2008 DN400; PCD 515MM; HOLE DIAMETER: 26MM; NUMBER OF HOLES 16; MATERIAL MUST CONFORM TO EN 10204; TYPE 3.1 INSPECTION CERTIFICATE; GENERAL FLANGE MARKING REQUIREMENTS MUST BE ADHERED TO; MATERIAL MUST BE INCLUDED	EA	60
222326	FLANGE: TYPE: UNIVERSAL JOINT; DIMENSIONS: ID 200 MM; MATERIAL: MS	EA	60
222329	FLANGE: TYPE: UNIVERSAL JOINT; DIMENSIONS: ID 150 MM; MATERIAL: MS	EA	60
222327	FLANGE: TYPE: UNIVERSAL JOINT; DIMENSIONS: ID 100 MM; MATERIAL: MS	EA	60
222328	FLANGE: TYPE: UNIVERSAL JOINT; DIMENSIONS: ID 50 MM; MATERIAL: MS	EA	60
557270	COUPLING: TYPE: FLANGE; SIZE: 300 MM; MATERIAL: MILD STEEL; SPECIFICATION: SABS 1123; CONNECTION 1: FACE; CONNECTION 2 SIZE: 324 MM; THICKNESS: 20 MM; FLAT FACE FLANGED DRILLED ACCORDING TO TABLE D; MANUFACTURED ACCORDING TO SANS 1123	EA	300

2.1 Purchaser's design

Not Applicable

2.2 Procedure for submission and acceptance of Supplier's design

The *Supplier* must supply as per the item description and as and when required to do so

2.3 Other requirements of the Supplier's design

Not applicable

2.4 Use of Supplier's design

Not applicable

2.5 Manufacture & fabrication

All materials to comply to Eskom standards

2.6 Factory acceptance testing (FAT)

The *Purchaser* may request FAT and material inspection

2.7 Other tests and inspections and commissioning in place of use

Quality control checks documentation is in place at Arnot Power Station at the Main Store (Receiving)

2.8 Operating manuals and maintenance schedules

Not Applicable

3 Supply Requirements

The Supply Requirements for this contract are in an Annexure to the Contract Data provided by the *Purchaser*.

4 Specification of the services to be provided

All materials to comply with Eskom standards

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

Not applicable

5.2 Work to be done by the Delivery Date

N/A

5.3 Marking the goods

N/A

5.4 Constraints at the delivery place and place of use

The items must be delivered at Arnot Power Station Stores between Monday and Thursday at 09:00 to 15:00. On Friday, between 9:00 and 12:00

5.5 Cooperating with Others

The *Supplier* must fully co-operate with the *Purchaser's* team during off-loading at the project site

5.6 Services & other things to be provided by the *Purchaser* or *Supplier*

N/A

5.7 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Supply Manager* as follows:

Title and purpose	Approximate time &	Location	Attendance by:
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	interval		
Risk registers and compensation events	As and when required	Material Management Boardroom	<i>Purchaser, Supplier, and Supply Manager</i>
Overall contract progress and feedback	As and when required	Material Management Boardroom	<i>Purchaser, Supplier, and Supply Manager</i>

Meetings of a specialist nature may be convened as specified elsewhere in this Goods Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the manufacture of the *goods*. Records of these meetings shall be submitted to the *Supply Manager* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

5.8 Documentation control

All documentation from the *Supplier* must be provided in hard copy and must also be emailed to the *Service Manager*, as per the communication process agreed after contract award.

5.9 Health and safety risk management

The *Supplier* shall comply with the occupational health and safety Act 85 of 1993 requirements: all applicable procedures and standards in their recent revisions. Eskom Life Saving Rules and other Eskom safety rules and requirements not limited to:

- Driven Machinery Regulations
- Fossil Fire Fuel regulations
- Plant Safety Regulations
- Working At Heights Standard
- Regulation For Hazardous Chemical Agents
- Confined space standard
- Occupational Hygiene management
- Control of noise is through wearing hearing protection
- Dust, dust suppression or as the last resort issue dust mask
- Waste, put waste in the correct waste bin
- Water to be conserve, use as little as possible
- Adhere to all Eskom lifesaving rules
- Submission of monthly health and safety statistics is mandatory

A. Road Safety

- a. Speed limit: 40km/h
- b. By passing Speed humps not allowed
- c. Transporting People at the back of the bakkie is not allowed
- d. Buckle up always
- e. Park only at demarcated areas

B. Sanitation

- a. Toilets for both genders are available at the plant

C. Emergency

- a. The emergency number for Arnot is 013 297 9222 Pax:5222
- b. Emergency alarms are tested every Wednesday 10H00

D. Access

Before access can be granted the following must be met:

- a. Safety file with all the requirements to be submitted and approved prior site establishment and access
- b. SHE Induction attendance is compulsory
- c. All applicable trainings, statutory requirements and guidelines to be strictly adhered to. Use safety file and OHS specification as reference

COMPULSORY COMPLIANCE TO 5 IDENTIFIED LIFE SAVING RULES:

Rule1: Open, Isolate, Test, Earth, Bond, and/or Insulate before touch
(That is, any plant operating above 1 000 V)

No person may work on any electrical network unless:

- He/she is trained and authorised as competent for the task to be done.
- A pre-task risk assessment to identify all risks and hazards has been conducted prior to any work commencing.
- An equipotential zone is created for each worker on the job site by earthing, bonding, and/or insulating according to approved procedures.
- All conducting material is connected, all staff on site wear electrical safety shoes, and insulating techniques are applied according to standards; and
- The authorised person (team leader) has certified and shown all team members that the apparatus is safe to work on.

Rule 2: Hook up on heights

Working at height is defined as any work performed above a stable work surface or where a person puts himself/herself in a position where he/she exposes himself/herself to a fall from or into.

No person may work at height where there is a risk of falling unless:

- A pre-task risk assessment to identify all risks and hazards has been conducted prior to commencing any work at height.
- He/she is appropriately trained.
- He/she is appropriately secured during ascending and descending and
- He/she is using an approved fall arrest system where applicable.

Rule 3: Buckle up

No person may drive any vehicle on Eskom business and/or on Eskom premises unless the driver and all passengers are wearing seat belts.

Rule 4: Be Sober

- 1 No person is allowed to work under the influence of drugs and alcohol.
- 2 "Under the influence" means the use of alcohol, drugs, and/or a controlled substance to the extent that
 - 1 He individual's faculties are in any way impaired by the consumption or use of the substances; or
 - 2 The individual is unable to perform in a safe, productive manner; or
 - 3 The individual has a level of any such substance in his/her body that corresponds to or exceeds accepted medical/legal standards; or
 - 4 The individual has a level of alcohol in his/her body that is greater than 0.02% blood alcohol concentration.

This includes any level of an illegal substance in the body, irrespective of when the substance was used.

Rule 5: Ensure that you have a permit to work

Where an authorisation limitation exists, no person shall work without the required Permit to Work (PTW), which is governed by the Plant Safety Regulations, Operating Regulations for High Voltage Systems (ORHVS) etc.

No plant is to be returned to service without the cancellation of all permits on that plant in accordance with procedure.

NB: In the case of live work, a "live work declaration form" is to be completed by the authorised person who is the person responsible for the safe execution of work according to relevant standards and procedures.

Please ensure that these rules are understood and communicated with the urgency that they deserve. If any of these rules are unclear or the consequences not understood, please do not hesitate to discuss it with Eskom.

We would like to continue our current partnership and therefore urge your support in the implementation and upholding of these rules.

5.10 Environmental constraints and management

The *Supplier* shall comply with the health and safety requirements contained the *Purchaser's* SHE Specification.

5.11 Quality

Quality check sheet should be in place.

The Supplier will be expected to comply with Supplier Quality Management Specification 240-105658000 (previously called QM58) and ISO: 9001 requirements and other Eskom Holdings SOC Limited's Standards and specifications.

5.12 Invoicing and payment

Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice showing the amount due for payment equal to that stated in the *Supply Manager's* certificate.

The *Supplier* shall address the tax invoice to *Purchaser* and include on each invoice the following information:

- Name and address of the *Supplier* and the *Supply Manager*,
- The contract number and title,
- *Supplier's* VAT registration number,
- The *Purchaser's* VAT registration number.
- Description of *goods* and *services* provided for each item invoiced based on the Price Schedule,
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT and
- (add others as required).

Detailed tax invoice, clearly showing: Eskom Holdings SOC LTD Electronic copy to Finance Shared Services Megawatt Park
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5.13 Insurance provided by the *Purchaser*

Refer to Annexure B – Insurance to be provided by the *Purchaser*

5.14 Contract change management

Clause 6 Compensation events of the NEC3 Supply Contract will apply to all changes in this contract.

5.15 Provision of bonds and guarantees

Not applicable

5.16 Records of Defined Cost, payments & assessments of compensation events to be kept by the *Supplier*

All records and quality documentation must be provided in hard copy and must be electronically emailed to the *Supply manager*

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

Not applicable

6.1.2 Limitations on subcontracting

Not applicable

6.1.3 Spares and consumables

Not applicable

6.1.4 Other requirements related to procurement

Not applicable

6.1.5 Cataloguing requirements by the *Supplier*

Not applicable

7 List of drawings

7.1 Drawings issued by the *Purchaser*

Not applicable

C3.2 *SUPPLIER'S* GOODS INFORMATION

Not applicable