



NEC3 Supply Contract (SC3)

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

and [Insert at award stage]
(Reg No. _____)

**for Supply and Delivery of Steel Pipes, Tubes, Sheets,
Bars, Reducers, Adaptors and Plates at Kriel Power
Station on an "As and When" required basis for the
Period of 5 years**

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CONTRACT No. [Insert at award stage]

PART C1: AGREEMENTS & CONTRACT DATA

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[to be inserted from Returnable Documents at award stage]	
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[to be inserted from Returnable Documents at award stage]	
C1.3 Proforma Guarantees	N/A

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 Steel Pipes, Tubes, Sheets, Bars, Reducers, Adaptors and Plates at Kriel Power Station on an "As and When" required basis for the Period of 5 years

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	<i>(Insert name and address of organisation)</i>	Eskom Holdings SOC Ltd, Megawatt Park, Maxwell Drive, Sandton, Johannesburg, 2199
Name & signature of witness		
Date		

C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

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
		X17: Low performance damages
		Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) ¹	(If the December 2009 edition is to be used delete April 2013 and replace by December 2013)
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.	+27 11 871 3706
	Fax No.	N/A
10.1	The <i>Supply Manager</i> is (name):	Samuel Mophuting
	Address	Kriel Power Station
	Tel	014 763 8446
	Fax	N/A
	e-mail	Mophutsp@eskom.co.za
11.2(13)	The <i>goods</i> are	Steel Pipes, Tubes, Sheets, Bars, Reducers, Adaptors and Plates
11.2(13)	The <i>services</i> are	Supply and Delivery of Steel Pipes, Tubes, Sheets, Bars, Reducer, Adaptors and Plates at Kriel Power Station on an "As and When" required basis for the Period of 5 years

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	<ul style="list-style-type: none"> - Any matter that has cost implication outside the agreed terms - Any matter that may cause delay in the delivery - Any quality related issues - Any matter that deviate from the specification - Any access issue due to force majeure such as protests, covid restrictions etc 	
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	Part C3 1 Purchaser's Goods Information	
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	One (1) week	
2	The Supplier's 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.	01 January 2026	
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	goods and services 1 Steel Pipes 2 Tubes 3 Sheets 4 Bars 5 Reducer 6 Adaptors 7 Plates	delivery date 5 working days after purchase order issuance 5 working days after purchase order issuance 5 working days after purchase order issuance 5 working days after purchase order issuance 5 working days after purchase order issuance 5 working days after purchase order issuance
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to	[no data required]	

	the Delivery Place more than one week before the Delivery Date.	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	2 days after each task order issuance and in line with agreed delivery lead time per spare
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	2 days after each change from initial programme
4	Testing and defects	
42	The <i>defects date</i> is	4 weeks after Delivery based on Quality check upon delivery to Kriel Stores
43.2	The <i>defect correction period</i> is	2 days after identified and notified defect
	except that the <i>defect correction period</i> for	Purchasers fault is 1 week- (the Supplier does not start correcting the defect until the compensation event is agreed between Parties if the defect is as a result of the Purchaser's fault)
	and the <i>defect correction period</i> for	Not Applicable
42.2	The <i>defects access period</i> is	1 day after notification
	except that the <i>defect access period</i> for	Purchaser's fault is 2 days- (the Supplier does not start correcting the defect until the compensation event is agreed between Parties if the defect is as a result of the Purchaser's fault)
	and the <i>defect access period</i> for	Not Applicable
5	Payment	
50.1	The <i>assessment interval</i> is	2 Weeks after each delivery acceptance.
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	<ul style="list-style-type: none"> 30 days for contracts with a value less than R50M 60 days for contracts with a value greater than R50M
51.4	The <i>interest rate</i> is	<p>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 and</p> <p>(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption "Money Rates" in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if</p>

		no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted <i>mutatis mutandis</i> every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.
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	<p>1. Supplier not supplying goods on time can result in extended meantime to repair or plant shut down</p> <p>2. Supplier not meeting quality requirements can result in financial and production loss</p> <p>3. Rigging/ lifting equipment and resources unavailability for offloading at Stores</p> <p>4. Invalid safety file/ un-updated each time the supplier uses different drivers for offloading-also forgetting yearly file auditing</p> <p>5. Incorrect design and Specifications used can result in production losses/ financial loss/PFMA violation and Outage slip or extended meantime to repair</p>
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)
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	<p>(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event and</p> <p>(2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date</p>
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last	The total of the Prices

defects date is limited to:

88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	The total of the Prices
88.5	The <i>end of liability date</i> is	1 year after delivery

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	To be known once the dispute arises		
	Tel No.	To be known once the dispute arises		
	Fax No.	To be known once the dispute arises		
	e-mail	To be known once the dispute arises		
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.		
	- if the Parties cannot agree a choice or - if the arbitration procedure does not state who selects an arbitrator, is			

10 Data for Option clauses

X1	Price adjustment for inflation			
X1.1	The <i>base date</i> for indices is	One month before contract award		
	The proportions used to calculate the Price Adjustment Factor are:	proportion	linked to index for	Index prepared by
		60%	Mech ENG Material -Table G-1	SEIFSA
		20%	Domestic	SEIFSA

		Producers Price Steel Index * Medium Sections* - Table E-A	
	5%	Transport-Table L-2(A)	SEIFSA
	15%	non-adjustable	
	100%		
X2	Changes in the law		
X2.1	A change in the law of	South Africa 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
		All spares	3% of the task order value per day for delay from agreed delivery date per spare
X17	Low performance damages		
X17.1	The amounts for low performance damages are:	amount	performance level
		3% of the spare value will be deducted per day due to spares that failed quality inspection	For picking up that spares failed quality inspection and took more than 2 days to correct the defect
		3% deduction when a Supplier fails to correct the defect within 3 days	
		100% of the task order value will be withheld	For failing to adhere to the agreed Quality requirements
		100% of the task order value will be withheld	For failing to submit complete data pack of the supplied spares which include but not limited to material certs, data sheets etc.
		100% of the task order value will be	For damaged goods due to the fault of the Supplier

	withheld	
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.

Z13Insurance

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 effected 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

[Notes: The example given in the NEC3 Supply Contract Guidance Notes pages 15 to 20 inclusive is based on Incoterms 2000. However users will probably wish to use Incoterms 2010 which the details below are based on. Users may need to adjust the information to comply with actual requirements. First decide whether Incoterms will be used or not, then delete the arrangement below which does not apply and delete these notes]

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

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2010² as follows:

[Select the group and then term within the group which applies and state the applicable delivery place. Delete all the other groups and this note]

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	DAT, 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

[Should there be a need to amplify any of the published obligations listed above for the chosen INCOTERM, add them here.]

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

² International Chamber of Commerce, Incoterms 2010, Paris, January 2011

The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

1. The requirements for the supply are	[State the constraints on how the <i>Supplier</i> manufactures, prototypes, tests and stores the <i>goods</i> including order and timing]	
2. The requirements for transport are	[State the extent to which the <i>Supplier</i> transports the <i>goods</i> and the mode of transport]	
3. The delivery place is	[State the location where the <i>goods</i> are to be placed by the <i>Supplier</i> , such as whether it is a dispatch department at the <i>Supplier's</i> premises, the <i>Purchaser</i> is to collect or other location the <i>Purchaser</i> may require. If the delivery place for the <i>services</i> is different to the <i>goods</i> state it here]	
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>Purchaser</i> (To be included on the total quote)
	Arrange access to delivery place	<i>Purchaser</i>
	Loading the <i>goods</i>	<i>Supplier</i>
	Unloading the <i>goods</i>	<i>Supplier</i> (To take responsibility for handling risk)
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	
For international procurement	Licences, authorisations and other formalities associated with export of the <i>goods</i>	
	Air Waybill or Bill of Lading with associated landing, delivery and forwarding order	
	The Bill of Entry endorsed by the importation authority	
	Customs work sheets, showing tax, duties and surcharges which the law of the country into which the <i>goods</i> are being imported requires the importer to pay	
	Invoice from the importation clearing agent showing airline fees, landing charges, wharfage and dock dues as applicable	
	Specify other import documents required by authorised officials.	

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

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:																									
11.2(11)	The tendered total of the Prices is	R																								
11.2(12)	The <i>price schedule</i> is in:																									
11.2(14)	The following matters will be included in the Risk Register																									
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are																									
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<table border="1"> <thead> <tr> <th></th><th><i>goods and services</i></th><th><i>delivery date</i></th></tr> </thead> <tbody> <tr> <td>1</td><td>Steel Pipes</td><td>[•]</td></tr> <tr> <td>2</td><td>Tubes</td><td>[•]</td></tr> <tr> <td>3</td><td>Sheets</td><td>[•]</td></tr> <tr> <td>4</td><td>Bars</td><td>[•]</td></tr> <tr> <td>5</td><td>Reducers</td><td>[•]</td></tr> <tr> <td>6</td><td>Adaptors</td><td>[•]</td></tr> <tr> <td>7</td><td>Plates</td><td>[•]</td></tr> </tbody> </table>		<i>goods and services</i>	<i>delivery date</i>	1	Steel Pipes	[•]	2	Tubes	[•]	3	Sheets	[•]	4	Bars	[•]	5	Reducers	[•]	6	Adaptors	[•]	7	Plates	[•]
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5	Reducers	[•]																								
6	Adaptors	[•]																								
7	Plates	[•]																								

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

CONTRACT TITLE: CONTRACT TITLE: SUPPLY AND DELIVERY OF STEEL PIPES, TUBES, SHEETS, BARS, REDUCERS, ADAPTORS AND PLATES AT KRIEL POWER STATION ON AN "AS AND WHEN" REQUIRED BASIS FOR THE PERIOD OF 5 YEARS

31.1	The programme identified in the Contract Data is contained in:	Not applicable
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	NIL

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>	20

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

Stock no.	U/M	Material Full Description	QTY	Rate	Total Price
0017079	KG	BAR, FLAT: WIDTH: 25 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.18 KG/M; BAR, FLAT; WIDTH 25 MM, LENGTH 6 M, THICKNESS 6 MM, MATERIAL MS BS4360, PROCESS HOT ROLLED, GRADE EN43A, WEIGHT 1.18 KG/M~BA	1432		
0017080	KG	BAR, FLAT: WIDTH: 30 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.41 KG/M; REFERENCE NO: 43A; EN43A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION	150		
0017081	KG	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 1.88 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	4399		
0017084	KG	BAR, FLAT: WIDTH: 100 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 4.71 KG/M; 28.26 KG/LENGTH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER	29730		
0017085	KG	BAR, FLAT: WIDTH: 25 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.96 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	2134		
0017086	KG	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS GR 080M50 BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 3.14 KG/M; REFERENCE NO: 43A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVI	2699		
0017093	KG	BAR, FLAT: WIDTH: 50 MM; LENGTH: 6 M; THICKNESS: 12 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 4.71 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1088		
0017095	KG	BAR, FLAT: WIDTH: 65 MM; LENGTH: 6 M; THICKNESS: 16 MM; MATERIAL: MS GR 080M50 BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT:	762		

		8.164 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF AP			
0017096	KG	BAR, FLAT: WIDTH: 50 MM; LENGTH: 6 M; THICKNESS: 20 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 7.85 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	3109		
0017099	KG	BAR, ROUND: NOMINAL DIAMETER: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 0.22 KG/M	154		
0017102	KG	BAR, ROUND: NOMINAL DIAMETER: 16 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.58 KG/M	2959		
0017103	KG	BAR, ROUND: NOMINAL DIAMETER: 20 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 2.47 KG/M; (DSG-310-048; Q2:2:1:NEV)	4779		
0017104	KG	BAR, ROUND: NOMINAL DIAMETER: 25 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 3.85 KG/M	9611		
0017110	KG	BAR, FLAT: WIDTH: 80 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 6.26 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	16135		
0017116	KG	BAR, FLAT: WIDTH: 20 MM; LENGTH: 6 M; THICKNESS: 80 MM; MATERIAL: MS BS 4360; GRADE: EN43A; WEIGHT: 12.6 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	340		
0017117	KG	BAR, ROUND: NOMINAL DIAMETER: 8 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 0.39 KG/M	439		
0017121	KG	BAR, FLAT: WIDTH: 100 MM; LENGTH: 6 M; THICKNESS: 12 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 9.42 KG/M; REFERENCE NO: 43A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMB	10428		
0017129	KG	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 16 MM; MATERIAL: MS BS 4360-1986; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 5.02 KG/M; 30.12KG/LENGTH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBE	1322		
0017131	KG	BAR, SQUARE: WIDTH: 20 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 3.14 KG/M; VENDORS ARE RESPONSIBLE FOR	424		

		ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0017132	KG	BAR, SQUARE: WIDTH: 25 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 4.9 KG/M; REFERENCE NO: BS4360; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	3270		
0017134	KG	BAR, SQUARE: WIDTH: 16 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 2.01 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	953		
0017141	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 7.6 MM; MATERIAL: CS SABS 1431; WEIGHT: 149 KG; PROCESS: HOT ROLLED; GRADE: 300WA; VASTRAP CHEQUER; FLAT BACK	4676		
0017144	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 20 MM; MATERIAL: MS BS 4360; WEIGHT: 471 KG; PROCESS: HOT ROLLED; GRADE: EN43A	8478		
0017146	KG	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.5 M; THICKNESS: 5 MM; MATERIAL: MS GR 43A; FABRICATION METHOD: HOT ROLLED; SPECIFICATION: BS 4360; SUPPL P/N: 080M50; NOMINAL MASS 118KG EACH	4881		
0017150	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 32 MM; MATERIAL: MS BS 4360, SABS 1431; WEIGHT: 753.6 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A	16961		
0017151	KG	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.4 M; THICKNESS: 1.6 MM; MATERIAL: MS GR EN43A; FABRICATION METHOD: HOT ROLLED; SPECIFICATION: BS 4360 TABLE 6; 38.6 KG	3137		
0017152	KG	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.5 M; THICKNESS: 2 MM; MATERIAL: 080M50 GR EN43A; FABRICATION METHOD: HOT ROLLED; SPECIFICATION: BS 4360; 48.25KG	2027		
0017154	KG	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 5 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 1.57 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	707		
0017177	KG	CHANNEL, STRUCTURAL: WIDTH: 50 MM; LENGTH: 6 M; HEIGHT: 100 MM; MATERIAL: MS; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 10.5 KG/M; SPECIFICATION: BS 4360	38580		
0017179	KG	ANGLE, STRUCTURAL: LEG LENGTH: 25 MM; MATERIAL THICKNESS: 3 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 1.11 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 6.66KG/LENGTH	1054		
0017181	KG	ANGLE, STRUCTURAL: LEG LENGTH: 40 MM; MATERIAL THICKNESS: 5 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 2.97 KG/M; SPECIFICATION: SABS 1431; GRADE: 300WA 43A; 17.82 KG/LENGTH.	6575		

0017188	KG	CHANNEL, STRUCTURAL: WIDTH: 38 MM; LENGTH: 6 M; HEIGHT: 76 MM; MATERIAL: MS; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 6.7 KG/M; SPECIFICATION: SABS 1431-300WA	5307		
0017191	KG	ANGLE, STRUCTURAL: LEG LENGTH: 25 MM; MATERIAL THICKNESS: 5 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 1.77 KG/M; SPECIFICATION: SABS 1431; GRADE: 300WA 43A	2960		
0017192	KG	ANGLE, STRUCTURAL: LEG LENGTH: 30 MM; MATERIAL THICKNESS: 5 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 2.18 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 13.08KG/LENGTH	1530		
0017193	KG	ANGLE, STRUCTURAL: LEG LENGTH: 50 MM; MATERIAL THICKNESS: 5 MM; LENGTH: 6 M; MATERIAL: CS; PROCESS: HOT ROLLED; WEIGHT: 3.77 KG/M; GRADE: EN43A	8188		
0017194	KG	ANGLE, STRUCTURAL: LEG LENGTH: 50 MM; MATERIAL THICKNESS: 8 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 5.82 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 34.92KG/LENGTH	1210		
0017200	KG	ANGLE, STRUCTURAL: LEG LENGTH: 80 MM; MATERIAL THICKNESS: 10 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 11.86 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A	1067		
0017202	KG	BAR, ROUND: NOMINAL DIAMETER: 10 MM; LENGTH: 6 M; MATERIAL: CU SABS 182	150		
0020506	EA	PLATE, METAL: DIMENSIONS: WD 120 X LG 150 X THK 20 MM; MATERIAL: STL; DRAWING NO: BBT HTGD 90253/6 REV 1; HARDENED; TYPE BEARING PEDESTAL; FOR THRUST BEARING PEDESTAL	150		
0020521	EA	PLATE, METAL: DIMENSIONS: WD 120 X LG 150 X THK 20 MM; MATERIAL: STL; DRAWING NO: BBT HTGD 90128 POS 5 REV 1; HTGD 90128 REV 1; CYLINDER PAD; FOR IP TURBINE ADJUSTABLE SLIDING PADS; BOTTOM HALF CYLINDER	150		
0020523	EA	PLATE, METAL: DIMENSIONS: WD 30 X LG 89 X THK 9 MM; MATERIAL: CS; DRAWING NO: HTGD 90836 REV 1; BBT HTGD 90836 POS 2 REV 1; SIDE PLATE; FOR IP AXIALLY FIXED CASING SUPPORTS	150		
0020524	EA	PLATE, METAL: DIMENSIONS: WD 73 X LG 75 X THK 9 MM; MATERIAL: CS; DRAWING NO: BBT HTGD 90386 POS 3 REV 1; HTGD 90386 REV 1; TOP; CASING; FOR IP AXIALLY FIXED CASING SUPPORTS	150		
0022825	EA	PLATE, METAL: DIMENSIONS: WD 120 X LG 150 X THK 19 MM; MATERIAL: STL HARDENED; DRAWING NO: HTGD90253/24 REV 1; BEARING PEDESTAL; HARDENED PLATE; FOR THRUST BEARING PEDESTAL B1 030.001 ON BBC 500MW TURBO GENERATORS AT KRIEL; ORIGINAL SUPPLY AGAINST CONTRAC	150		
0039236	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 340 MM; MATERIAL: CI; LENGTH: 27.3 M; END TYPE: FLANGE; ASH; CP12	150		

0039237	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 300 MM; MATERIAL: CI HIGH CR WHITE; LENGTH: 1.83 M; END TYPE: FLANGE; SPECIFICATION: BS 4844 GR D3; 350MM OD, STRUCTURE CONNECTION, ASH FACES MUST BE MACHINED AND DRILLED, FLANGE 30MM THICK X 445MM OD, 12 X 2	150		
0039239	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 450 MM; MATERIAL: MS; LENGTH: 12 M; WALL THICKNESS: 6 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; ASH	150		
0047842	EA	PLATE, METAL: DIMENSIONS: SQ 415 X THK 16 MM; MATERIAL: CI; SUPPL P/N: 378- 331; DRAWING NO: RJ SPARGO 4772 REV 1; 4772 REV 1; FIG NO: STE-3V; STE-3V BIN 402-114; REFERENCE NO: P1-5-4770; TYPE BACK; CASING; BIN 402-114	150		
0048246	EA	PLATE, METAL: DIMENSIONS: DIA 315 X THK 20 MM; MATERIAL: STL; WEIGHT: BEARING END; SUPPL P/N: 720-8825-02-3; DRAWING NO: 721-0777-01 REV 1; BEARING END; FOR HIGH SPEED PINION ON MAAG GEARBOX GN 60	150		
0052061	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 200 X 80 MM; CONNECTION: BW; MATERIAL: STL; GRADE: A; SPECIFICATION: SABS 719; 305MM LONG, BOTTLE NECK, UNCOATED, FOR HP HEATER EMERGENCY DRAIN TO CONDENSER LINE	150		
0052114	EA	PLATE, METAL: DIMENSIONS: WD 55 X LG 209 X THK 19 MM; MATERIAL: STL; TYPE BOILER	150		
0052115	EA	PLATE, METAL: DIMENSIONS: WD 55 X LG 222 X THK 19 MM; MATERIAL: STL; TYPE BOILER	150		
0052116	EA	PLATE, METAL: DIMENSIONS: WD 55 X LG 228 X THK 19 MM; MATERIAL: STL; BASE BOILER 413	150		
0052117	EA	PLATE, METAL: DIMENSIONS: WD 44 X LG 50 X THK 19 MM; MATERIAL: STL; BASE BOILER 405	150		
0052118	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 410 MM; MATERIAL: STL; LENGTH: 5 M; WALL THICKNESS: 56.2 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; BOILER	150		
0052119	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 730 MM; MATERIAL: STL; LENGTH: 8 M; WALL THICKNESS: 13.9 MM; CONSTRUCTION: WELDED; END TYPE: BW; BOILER	150		
0052120	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 1.03 M; MATERIAL: STL; LENGTH: 8 M; WALL THICKNESS: 19.5 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; BLR	150		
0052124	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 400 MM; MATERIAL: STL; LENGTH: 6.5 M; WALL THICKNESS: 13.1 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN	150		
0052125	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 410 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 15 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; BOILER	150		
0052126	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 533 MM; MATERIAL: STL; LENGTH: 10 M; WALL THICKNESS: 14 MM;	150		

		CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; BOILER			
0052127	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 205 MM; MATERIAL: STL; LENGTH: 6.7 M; WALL THICKNESS: 30 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; REFERENCE NO: HF622-27	150		
0052517	EA	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.4 M X THK 16 MM; MATERIAL: STL 15M03; PROCESS: HOT ROLLED	150		
0054986	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: STL SABS 62; LENGTH: 6 M; CONSTRUCTION: SEAMLESS; END TYPE: COUPLED X THD; RATING: 4800 KPA; SUPPL P/N: BS1387-67; REFERENCE NO: 100NB	150		
0054987	M	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; RATING MEDIUM, STRUCTURE WELDED	405		
0054988	M	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	177		
0054989	M	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, NOMINAL PIPE SIZE DESIGNATION 50 MM, WAL	981		
0054991	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: GS SABS 62- 1971; LENGTH: 6.7 M; CONSTRUCTION: WELDED; END TYPE: COUPLED X THD	150		

0055011	M	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, TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPR	153		
0055255	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 150 MM; MATERIAL: STL; LENGTH: 6.1 M; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40	150		
0055280	EA	PIPE, METALLIC: MATERIAL: STL; LENGTH: 5 M; END TYPE: FLANGE	150		
0055281	EA	PIPE, METALLIC: MATERIAL: MS RED OXIDE COATED; LENGTH: 12.23 M; WALL THICKNESS: 6 MM; END TYPE: FLANGE; BASALT LINED; LINED WITH 300MM ID X	150		

		20MM WALL BASALT CYLINDERS INSTALLED INTO STEEL CASING; STL WALL; BOTH ENDS 25MM THK			
0055562	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 316L; NOTE: MATERIAL IDENTIFICATION TO BE STAMPED AT BOTH ENDS; MATERIAL CERT	150		
0055563	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 316L; NOTE: MATERIAL IDENTIFICATION TO BE STAMPED AT BOTH ENDS; MATERIAL CERT	150		
0055564	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 100 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 316L; NOTE: MATERIAL IDENTIFICATION TO BE STAMPED AT BOTH ENDS; MATERIAL CERTIFICATE TO BE SUPP	150		
0055575	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 8 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 2.85 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 13.7MM OD	150		
0055576	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 10 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 2.31 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 17.1MM OD	150		
0055577	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 15 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 2.77 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 21.3MM OD	144		
0055578	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 20 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 2.87 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 26.7MM OD	153		
0055579	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 25 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 3.38 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 33.4MM OD	150		
0055580	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 3.56 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 42.2MM OD	150		
0055581	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 40 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 3.68 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 48.3MM OD; DUVHA REQUIRE 3.2 MATERIAL CERTIFICATE WITH EVERY DELIVERY	117		

0055583	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 5.49 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 88.9MM OD	984		
0055632	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 150 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 7.11 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; GRADE: B	150		
0056070	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 540 MM; MATERIAL: MS; LENGTH: 12 M; WALL THICKNESS: 6 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN	150		
0056072	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 300 MM; MATERIAL: CS; LENGTH: 12 M; WALL THICKNESS: 8 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; GRADE: 300W; SPECIFICATION: API5LX42; SABS 719; FOR USE ON ASH LINES	17721		

0056075	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 200 MM; MATERIAL: CS; LENGTH: 6 M; WALL THICKNESS: 8.18 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SCHEDULE: 40; SPECIFICATION: ASTM A106B; SABS 719; STEAM	119		
0056093	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 6 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 1 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; GRADE: 316	150		
0056094	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 10 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 1 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; GRADE: 316; REFERENCE NO: SS-T10M-S1.0M-6ME; SIZE 10MM OUTSIDE DIAMETER	150		
0056126	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: OD 33.7 MM; MATERIAL: STL ASTM A209; LENGTH: 8 M; WALL THICKNESS: 3.6 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; GRADE: T1; COLD DRAWN HIGH PRESSURE DRAIN AND AIR RELEASE PIPING, COLOUR CODE WHITE, STANDARD	150		
0056847	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 450 MM; MATERIAL: CI; LENGTH: 810 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SEC; MOD 28712 OR PF MILL	150		
0056848	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 400 MM; MATERIAL: CI; LENGTH: 250 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SEC MOD 28713; FOR PF MIL	150		
0056850	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 450 MM; MATERIAL: CI; LENGTH: 280 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SEC MOD 28719; FOR PF MIL	150		
0057108	EA	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: BSP; OUTLET SIZE: 8 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	150		

0057109	EA	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	150		
0057110	EA	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	332		
0057113	EA	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	357		
0057116	EA	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 40 X 20 MM; CONNECTION: BSP X FBSP; MATERIAL: MI CAST; SPECIFICATION: BS 143/52; SABS 509/55	150		
0057117	EA	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	161		
0057118	EA	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	150		
0057120	EA	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 32 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	150		
0057121	EA	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	150		
0057168	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 10 MM; CONNECTION: FPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740-71; FOR STEAM APPLICATION	150		
0057169	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 40 X 25 MM; CONNECTION: NPT; MATERIAL: STL; GRADE: WPB; SPECIFICATION: BS 1740-1965 AMENDMENT 1 TABLE 13; STEAM, PSI, BSP THREAD	150		
0057171	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 15 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740	156		
0057172	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 15 X 10 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150		
0057173	EA	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	150		
0057174	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 20 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13	150		
0057177	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 25 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150		
0057178	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 40 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE:	150		

		4.6; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13; STEAM SOCKET, BSP THREAD			
0057179	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 25 X 15 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; SPECIFICATION: BS S1740; STEAM PSI, BSP THREAD	150		
0057180	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 8 MM; CONNECTION: FPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150		
0057181	EA	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	150		
0057182	EA	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	150		
0057183	EA	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	150		
0057187	EA	ADAPTOR, PIPE: INLET SIZE: 80 MM; INLET CONNECTION: BSP; OUTLET SIZE: 50 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	150		
0057188	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 10 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740- 1965 AMENDMENT 1 TABLE 13; BSP THREAD	150		
0057189	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 80 X 50 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS 1740; STEAM SOCKET; BSP THREAD	150		
0057190	EA	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	293		
0057191	EA	ADAPTOR, PIPE: INLET SIZE: 15 MM; INLET CONNECTION: BSP; OUTLET SIZE: 8 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	218		
0057192	EA	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	150		
0057230	EA	ADAPTOR, PIPE: INLET SIZE: 100 MM; INLET CONNECTION: BSP; OUTLET SIZE: 80 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	150		
0057233	EA	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	150		
0057234	EA	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 80 X 65 MM; CONNECTION: BSP X FBSP; MATERIAL: MI CAST; SPECIFICATION: BS 143/52; SABS 509/55	150		

0057237	EA	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	150		
0057241	EA	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 32 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; HEXAGON HEAD ONE END; RATING: 75 BAR; SPECIFICATION: BS143/52; SABS 509/55	150		
0057243	EA	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 38 X 20 MM; CONNECTION: BSP X FBSP; MATERIAL: MI GALV; RATING: 75 BAR; SPECIFICATION: EN10241	150		
0057245	EA	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; HEXAGON HEAD ONE END; RATING: 75 BAR; SPECIFICATION: BS143/52; SABS 509/55	150		
0057246	EA	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; HEXAGON HEAD ONE END; RATING: 75 BAR; SPECIFICATION: BS143/52; SABS 509/55	150		
0057247	EA	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	150		
0057324	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 20 X 15 MM; CONNECTION: FBSP; MATERIAL: IRON GALV; GRADE: WPB; SPECIFICATION: BS S1740; FEMALE THREAD BOTH ENDS, PSI	150		
0057326	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 15 X 8 MM; CONNECTION: FNPT; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15; SOCKET, SIZE 15MM TO 10MM, FEMALE THREAD	150		
0057334	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 32 X 25 MM; CONNECTION: NPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150		
0057336	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 8 X 6 MM; CONNECTION: FNPT; MATERIAL: STL; SPECIFICATION: BS 1740-1965 AMENDMENT 1 TABLE 13; STEAM, LARGE/SMALL END BSP; SIZE 25MM LONG; END DETAIL DESCRIPTION	150		
0057338	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 100 X 80 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150		
0057340	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 20 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150		
0057424	EA	REDUCER, PIPE: TYPE: SOCKET; NOMINAL SIZE: 40 X 32 MM; CONNECTION: FBSP; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1971	150		

0058269	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 8CM6; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (I	150		
0058315	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 200 X 150 MM; CONNECTION: BW; MATERIAL: STL; SCHEDULE: 40	150		
0058316	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 150 X 100 MM; CONNECTION: BW; MATERIAL: STL; SCHEDULE: 40	150		
0058318	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 100 X 80 MM; CONNECTION: BW; MATERIAL: STL; SCHEDULE: 40	150		
0058319	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 100 X 65 MM; CONNECTION: BW; MATERIAL: STL; SCHEDULE: 40	150		
0058415	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: FNPT; MATERIAL: BRASS; SUPPL P/N: 8CF4; ONLY GYROLOK OR SWAGELOK ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING	150		
0058416	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: FNPT; MATERIAL: BRASS; SUPPL P/N: 8CF8; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (150		
0059096	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: FNPT; MATERIAL: SS GR 316; SUPPL P/N: 6CF8-316MME; ONLY GYROLOK OR SWAGELOK ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE P	150		
0059187	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STL CD PLTD; SUPPL P/N: GE12SR1/2"; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISIO	150		
0059498	EA	ADAPTOR, HOSE TO PIPE: HOSE SIZE: 10 MM; HOSE CONNECTION: BARB; PIPE SIZE: 16 MM; PIPE CONNECTION: FNPT; MATERIAL: BRASS; REFERENCE NO: 002-170; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF	150		

0060412	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 3/16 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 3CM4; ONLY GYROLOK OR SWAGELOK ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST	150		
0060419	EA	ADAPTOR, TUBE TO HOSE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; HOSE SIZE: 1/4 IN; HOSE CONNECTION: BARB; MATERIAL: BRASS; SUPPL P/N: 4BA4; ONLY GYROLOK OR SWAGELOK ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING	150		
0060428	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 3/16 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 3CMT4; ONLY GYROLOK OR SWAGELOK ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMIN	150		
0060429	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 4CMT4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (150		
0060430	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 5/16 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 5CMT4; ONLY GYROLOK OR SWAGELOK ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMIN	150		
0060437	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE12-L; REFERENCE NO: GE12-L; STRAIGHT MALE STUD COUPLING, ERMETO FITTINGS; VENDORS ARE RESPONSIBLE FOR ENSURING THA	150		
0060438	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE12L; ONLY GYROLOK OR SWAGELOK ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE	150		
0060439	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 11/32 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE-12-S; STRAIGHT MALE STUD COUPLING, ERMETO FITTINGS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMI	150		
0060440	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE12S; ONLY	150		

		GYROLOK OR SWAGELOK ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE			
0060441	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE14S; REFERENCE NO: GE14S; STRAIGHT MALE STUD COUPLING, ERMETO FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT T	150		
0060450	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPR; PIPE SIZE: 14 MM; PIPE CONNECTION: THD; MATERIAL: STL; REFERENCE NO: GA1-12-LM; STRAIGHT FEMALE COUPLING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DR	150		
0060451	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: THD; MATERIAL: STL; SUPPL P/N: GA1-12S; ONLY GYROLOK OR SWAGELOK ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST T	150		
0060452	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 14 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: THD; MATERIAL: STL; SUPPL P/N: GA1-14S; ONLY GYROLOK OR SWAGELOK ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST T	150		
0060460	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: BSP; MATERIAL: STL; MODEL NO: BM04MT04; STRAIGHT MALE CONNECTOR, MALE THREADED BOTH ENDS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORM	150		
0060461	EA	ADAPTOR, PIPE: INLET SIZE: 1 IN; INLET CONNECTION: BSPT; OUTLET SIZE: 1 IN; OUTLET CONNECTION: BSP; MATERIAL: STL; SUPPL P/N: BM16TM16; CHAMFER; STRAIGHT	150		
0060462	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 8 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 16 MM; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: NM06JM12; HYDRAULIC FITTING, NPTF/JIC MALE FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAIN	150		
0060463	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 15 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 25 MM; PIPE CONNECTION: NPT; MATERIAL: STL; MODEL NO: NM12JM17; JIC MALE FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING R	150		

0060464	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 20 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 32 MM; PIPE CONNECTION: NPT; MATERIAL: STL; MODEL NO: NM16JM21; NPTF JIC MALE FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAW	150		
0060465	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: STL; MODEL NO: 4MH-UFS; REFERENCE NO: 4MH-4UFS; UNION MALE/FEMALE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGA	150		
0060466	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STL; MODEL NO: 8MH-8UFS; HYDRAULIC FITTING, STRAIGHT UNION, MALE AND FEMALE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERF	150		
0060485	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: STL; REFERENCE NO: GE 12 S3-8P; STRAIGHT MALE STUD COUPLING, ERMETO FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFO	150		
0060486	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 14 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: STL; REFERENCE NO: GE14S 1/4P; STRAIGHT MALE STUD COUPLING, ERMETO; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGA	150		
0060487	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 15 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 12 MM; PIPE CONNECTION: FNPT; MATERIAL: STL; SUPPL P/N: G12S; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF A	150		
0060490	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 14 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 20 MM; PIPE CONNECTION: FNPT; MATERIAL: STL; REFERENCE NO: GAI 14 SR; STRAIGHT COUPLING; ERMETO FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINS	150		
0060496	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/8 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; REFERENCE NO: 6CM2-316-MM E; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVI	150		
0060497	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 10 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; REFERENCE NO:	150		

		10CM4-316-MME; SWAGELOK OR GYROLOK BRAND ONLY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING			
0060499	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 510 MM; MATERIAL: CI; LENGTH: 950 MM; CONSTRUCTION: SEAMLESS; END TYPE: FLANGE; SEC MOD28718; FOR PRECP	150		
0060500	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 450 MM; MATERIAL: CI; LENGTH: 1.3 M; CONSTRUCTION: SEAMLESS; END TYPE: BW; SEC MOD28714; FOR PRECP	150		

0060505	EA	ADAPTOR, HOSE TO PIPE: HOSE SIZE: 15 MM; HOSE CONNECTION: BARB; PIPE SIZE: 22 MM; PIPE CONNECTION: FNPT; MATERIAL: NYLON; SUPPL P/N: 40112; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLI	150		
0060507	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 10 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; REFERENCE NO: 10CM6-316-MME; MALE CONNECTOR, GYROLOK OR SWAGELOK BRAND ONLY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THE	150		
0060590	EA	SHEET, METAL: WIDTH: 70 MM; LENGTH: 110 MM; THICKNESS: 4 MM; MATERIAL: STL; ADAPTION 64X4 15M03 ITEM 13	150		
0090541	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 30 MM; MATERIAL: STAINLESS STEEL; LENGTH: 445 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SUPPL P/N: 000.01; MODEL NO: HPTPK32; REFERENCE NO: 104-133-371-003; 49MM OD; FOR INTERMEDIATE STAGE CONNECTION; FOR	150		
0143513	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 183 MM; MATERIAL: BAKELITE; P27	150		
0143529	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 187 MM; MATERIAL: BAKELITE; P22	150		
0143531	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 185 MM; MATERIAL: BAKELITE; P42	150		
0143532	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 185 MM; MATERIAL: BAKELITE; P26	150		
0143534	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 187 MM; MATERIAL: BAKELITE; P21	150		
0143541	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 183 MM; MATERIAL: BAKELITE; P23	150		
0143543	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 185 MM; MATERIAL: BAKELITE; P25	150		
0162358	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 25 MM; MATERIAL: MS BS 4360, SABS 1431; WEIGHT: 589 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A	11656		
0162360	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 35 MM; MATERIAL: MS BS 4360, SABS 1431; WEIGHT: 824 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A	2472		
0162362	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 50 MM; MATERIAL: MS; WEIGHT: 1.178 T; PROCESS: HOT ROLLED; GRADE:	1766		

		EN43A; BS4360 1972 TABLE 6			
0162365	EA	SHEET, METAL: WIDTH: 925 MM; LENGTH: 1.83 M; THICKNESS: 0.5 MM; MATERIAL: STL; SURFACE TREATMENT: GALV; FLAT; SIZE: 915 MM X 0.71 MM (22WG)	150		
0162367	EA	SHEET, METAL: WIDTH: 915 MM; LENGTH: 1.83 M; THICKNESS: 0.91 MM; MATERIAL: CS LOW; SURFACE TREATMENT: GALV; TYPE: FLAT	150		
0162379	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 45 MM; MATERIAL: MS SABS 1431; WEIGHT: 1060 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A	150		
0162380	KG	PLATE, METAL: DIMENSIONS: WD 1.225 M X LG 2.45 M X THK 80 MM; MATERIAL: MS SABS 1431; WEIGHT: 188.4 KG; GRADE: 300WA EN43A	150		
0162404	EA	SHEET, METAL: WIDTH: 195 MM; LENGTH: 300 MM; THICKNESS: 3 MM; MATERIAL: MS; DRAWING NO: ESKOM 13-45/526 REV 1	150		
0162418	EA	SHEET, METAL: WIDTH: 200 MM; LENGTH: 1 M; THICKNESS: 3 MM; MATERIAL: MS; DRAWING NO: ESKOM 13-45/526 REV 1	150		
0162492	KG	SHEET, METAL: WIDTH: 1.25 M; LENGTH: 2.5 M; THICKNESS: 5 MM; MATERIAL: SS GR 304; FABRICATION METHOD: HOT ROLLED; REFERENCE NO: 304; 153.8 KG PER SHEET	150		
0162496	EA	SHEET, METAL: WIDTH: 762 MM; LENGTH: 1.524 M; THICKNESS: 0.71 MM; MATERIAL: STL; SURFACE TREATMENT: GALV; ST	150		
0162499	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 40 MM; MATERIAL: MS; WEIGHT: 942 KG; PROCESS: HOT ROLLED; SPECIFICATION: BS 4360-1972 TABLE 6; GRADE: EN43A; 080M50	2826		
0162546	M2	SHEET, METAL: WIDTH: 914 MM; LENGTH: 1.829 M; THICKNESS: 1 MM; MATERIAL: SS GR 304; FABRICATION METHOD: COLD ROLLED; PERFORATED, WITH 8MM HOLE X 10MM PITCH	150		

0162548	EA	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.4 M X THK 6 MM; MATERIAL: INCOLOY 800/STL; PLEASE NOTE: MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLIED WITH CERTIFICATES	150		
0162549	EA	SHEET, METAL: WIDTH: 3 M; LENGTH: 6 M; THICKNESS: 5 MM; MATERIAL: STL GR 15M03; PLEASE NOTE: MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLY WITH CERTIFICATE	150		
0162550	EA	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.4 M X THK 12 MM; MATERIAL: SS ASTM A480M; GRADE: 304; CORROSION RESISTANT	150		
0162551	KG	SHEET, METAL: WIDTH: 1 M; LENGTH: 2 M; THICKNESS: 1.21 MM; MATERIAL: SS GR 304; FABRICATION METHOD: COLD ROLLED; (18SWG)	150		
0162552	KG	SHEET, METAL: WIDTH: 1 M; LENGTH: 2 M; THICKNESS: 0.71 MM; MATERIAL: SS GR 304; SURFACE CONDITION: MILL FINISHED; SPECIFICATION: BS 970-1972; TYPE: (22SWG), NOTE: MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLY WITH CERTIFICATE	150		

0162553	KG	SHEET, METAL: WIDTH: 1 M; LENGTH: 2 M; THICKNESS: 0.5 MM; MATERIAL: SS GR 304; FABRICATION METHOD: COLD ROLLED; SPECIFICATION: BS 970-1972 PART 4; (24SWG)	150		
0162554	EA	SHEET, METAL: WIDTH: 1 M; LENGTH: 2 M; THICKNESS: 3 MM; MATERIAL: STL 3CR12; NOTE: MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLIED WITH CERTIFICATE	150		
0162559	KG	SHEET, METAL: WIDTH: 1.25 M; LENGTH: 2.5 M; THICKNESS: 3 MM; MATERIAL: SS GR 304; SURFACE CONDITION: MILL FINISHED; SPECIFICATION: ASTM A240; +-76KG	19407		
0162566	EA	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.5 M; THICKNESS: 3 MM; MATERIAL: 15M03; SIZE: 1250 X 2500 X 5.0MM THK; NOTE! MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLY WITH CERTIFICATE	330		
0162573	EA	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.4 M X THK 6 MM; MATERIAL: STL CV18W; PROCESS: HOT ROLLED; NOTE! MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLIED WITH CERTIFICATE	150		
0162576	KG	PLATE, METAL: DIMENSIONS: WD 1.25 M X LG 2.5 M X THK 10 MM; MATERIAL: 15MO3; WEIGHT: 360 KG; PROCESS: HOT ROLLED; FLAT STEEL, NOTE! MATERIAL CERTIFICATES TO BE SUPPLIED AND PLATES TO BE MARKED	5790		
0162826	KG	SHEET, METAL: WIDTH: 900 MM; LENGTH: 1.8 M; THICKNESS: 3.2 MM; MATERIAL: CU ANNEALED; SPECIFICATION: BS 182	150		
0162840	EA	PLATE, METAL: DIMENSIONS: WD 1.25 M X LG 2.5 M X THK 6 MM; MATERIAL: ALUMINIUM; TYPE PACKING; CHECKER; MATERIAL: 5251N6	150		
0162865	KG	SHEET, METAL: WIDTH: 1 M; LENGTH: 1 M; THICKNESS: 3 MM; MATERIAL: BRASS	150		
0220072	EA	PLATE, METAL: DIMENSIONS: WD 60 X LG 185 X THK 48 MM; MATERIAL: STL; DRAWING NO: HTGD-90200 POS 6 REV 1; HTGD-90200 REV 1; TYPE BEARING NO 4; FOR TURBINE BBC 500 MW	150		
0223261	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: SS ASTM A312; LENGTH: 6 M; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 310; SPECIFICATION: TP310 S/310 H; MATERIAL CERTIFICATE TO BE ISSUED	150		
0224511	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 300 X OD 370 MM; MATERIAL: MS BASALT LINED; LENGTH: 6 M; END TYPE: FLANGE; MAXIMUM OPERATING PRESSURE: 7 BAR; FLANGE SIZES: 553MM; PCD 495MM; 16 X 28MM DIA HOLES; FLANGE 25MM THK	819		
0251243	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 80 MM; MATERIAL: STAINLESS STEEL; LENGTH: 3 M; GRADE: 316	150		
0256524	EA	PLATE, METAL: DIMENSIONS: WD 76 X LG 113 X THK 5 MM; MATERIAL: STAINLESS STEEL; MANUF P/N: 7628; CARRAIGE	150		
0256526	EA	PLATE, METAL: DIMENSIONS: DIA 213 X LG 370 X THK 26.4 MM; MATERIAL: GK-ALS/12	150		

0577279	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 65 MM; MATERIAL: MS; LENGTH: 6 M; WALL THICKNESS: 6.02 MM; END TYPE: PLAIN	150		
0577284	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 80 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 19 MM; END TYPE: PLAIN	150		
0577285	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 32 MM; MATERIAL: MS; LENGTH: 500 MM; WALL THICKNESS: 6.02 MM; END TYPE: PLAIN	645		
0577289	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 150 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 15.5 MM; END TYPE: PLAIN	176		

0577290	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 100 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 25 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN	150		
0577292	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 250 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 37 MM; END TYPE: PLAIN	150		
0577294	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 25 MM; MATERIAL: MILD STEEL; LENGTH: 2.5 M; WALL THICKNESS: 3 MM; END TYPE: PLAIN	150		
0577295	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 40 MM; MATERIAL: MS; LENGTH: 500 MM; WALL THICKNESS: 3 MM; END TYPE: PLAIN	312		
0640883	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: SQ 22 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 2 MM; CONSTRUCTION: SQ; END TYPE: PLAIN; GRADE: SS GR 310	150		
0660429	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB50 MM; MATERIAL: GALV STL; LENGTH: 6 M; WALL THICKNESS: 5.74 MM; END TYPE: SOCKET WELD; MAXIMUM OPERATING PRESSURE: PN16; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 50 DEG C	150		
0661571	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB 400 MM; MATERIAL: CARBON STL; LENGTH: 3 M; WALL THICKNESS: 8 MM; MAXIMUM OPERATING PRESSURE: 3 MPA; SCHEDULE: 20; MAXIMUM OPERATING TEMP: 500 DEG C; GRADE: SA106GRB; THE COMPONENT FORMS PART OF A QUICK STA	150		
0662100	M	ANGLE, STRUCTURAL: LEG LENGTH: 80 X 40 MM; MATERIAL THICKNESS: 6 MM; LENGTH: 6 M; MATERIAL: SS 316; TYPE: VESSEL L	150		
0662125	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB80; MATERIAL: GALV STL; LENGTH: 6 M; WALL THICKNESS: 5.74 MM; END TYPE: SOCKET WELD; MAXIMUM OPERATING PRESSURE: PN16; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 50 DEG C	150		
0662198	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: SS 316; LENGTH: 6 M; WALL THICKNESS: 3.56 MM; CONSTRUCTION: SEAMLESS; END TYPE:	150		

		PLAIN; MAXIMUM OPERATING PRESSURE: 1600 KPA; SCHEDULE: 40; RATING: PN16; MAXIMUM OPERATING TEMP: 80 DEG C; GRAD			
0662305	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 12 MM; MATERIAL: SS 304; LENGTH: 6 M; WALL THICKNESS: 3 MM; IT SHOULD WITHSTAND ACID COMPOUNDS SUCH AS AMONIA; IT MUST BE RESISTANT TO CORROSION	150		
0669813	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB350 MM; MATERIAL: ASTM 106; LENGTH: 6 M; WALL THICKNESS: 8 MM; CONSTRUCTION: SMLS; END TYPE: PLAIN; MAXIMUM OPERATING PRESSURE: 0.5 MPA; SCHEDULE: 20; MAXIMUM OPERATING TEMP: 510 DEG C; GRADE: B; 7.92MM	150		
0691958	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 80 NB MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 5.484 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 316H; SPECIFICATION: ASTM A312; ACCOMPANIED BY MATERIAL ID STAMPED	150		

The total of the Prices

PART 3: SCOPE OF WORK

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C3.1: *PURCHASER'S* GOODS INFORMATION

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1 Overview and purpose of the goods and services

A Power plant operates with various steel products which are subjected to amount of wear. The purpose of this contract is to make provision for the supply of various steel products to be kept as inventory for ongoing operations readily available to meet maintenance requirements

2 Specification and description of the goods

Stock no.	U/M	Material Full Description	QTY
0017079	KG	BAR, FLAT: WIDTH: 25 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.18 KG/M; BAR, FLAT; WIDTH 25 MM, LENGTH 6 M, THICKNESS 6 MM, MATERIAL MS BS4360, PROCESS HOT ROLLED, GRADE EN43A, WEIGHT 1.18 KG/M-BA	1432
0017080	KG	BAR, FLAT: WIDTH: 30 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.41 KG/M; REFERENCE NO: 43A; EN43A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION	150
0017081	KG	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 1.88 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	4399
0017084	KG	BAR, FLAT: WIDTH: 100 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 4.71 KG/M; 28.26 KG/LENGTH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER	29730
0017085	KG	BAR, FLAT: WIDTH: 25 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.96 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	2134
0017086	KG	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS GR 080M50 BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 3.14 KG/M; REFERENCE NO: 43A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVI	2699
0017093	KG	BAR, FLAT: WIDTH: 50 MM; LENGTH: 6 M; THICKNESS: 12 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 4.71 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1088
0017095	KG	BAR, FLAT: WIDTH: 65 MM; LENGTH: 6 M; THICKNESS: 16 MM; MATERIAL: MS GR 080M50 BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 8.164 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF AP	762
0017096	KG	BAR, FLAT: WIDTH: 50 MM; LENGTH: 6 M; THICKNESS: 20 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 7.85 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	3109
0017099	KG	BAR, ROUND: NOMINAL DIAMETER: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 0.22 KG/M	154
0017102	KG	BAR, ROUND: NOMINAL DIAMETER: 16 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.58 KG/M	2959
0017103	KG	BAR, ROUND: NOMINAL DIAMETER: 20 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 2.47 KG/M; (DSG-310-048; Q2:2:1:NEV)	4779
0017104	KG	BAR, ROUND: NOMINAL DIAMETER: 25 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 3.85 KG/M	9611

0017110	KG	BAR, FLAT: WIDTH: 80 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 6.26 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	16135
0017116	KG	BAR, FLAT: WIDTH: 20 MM; LENGTH: 6 M; THICKNESS: 80 MM; MATERIAL: MS BS 4360; GRADE: EN43A; WEIGHT: 12.6 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	340
0017117	KG	BAR, ROUND: NOMINAL DIAMETER: 8 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 0.39 KG/M	439
0017121	KG	BAR, FLAT: WIDTH: 100 MM; LENGTH: 6 M; THICKNESS: 12 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 9.42 KG/M; REFERENCE NO: 43A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMB	10428
0017129	KG	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 16 MM; MATERIAL: MS BS 4360- 1986; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 5.02 KG/M; 30.12KG/LENGTH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBE	1322
0017131	KG	BAR, SQUARE: WIDTH: 20 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 3.14 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	424
0017132	KG	BAR, SQUARE: WIDTH: 25 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 4.9 KG/M; REFERENCE NO: BS4360; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	3270
0017134	KG	BAR, SQUARE: WIDTH: 16 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 2.01 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	953
0017141	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 7.6 MM; MATERIAL: CS SABS 1431; WEIGHT: 149 KG; PROCESS: HOT ROLLED; GRADE: 300WA; VASTRAP CHEQUER; FLAT BACK	4676
0017144	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 20 MM; MATERIAL: MS BS 4360; WEIGHT: 471 KG; PROCESS: HOT ROLLED; GRADE: EN43A	8478
0017146	KG	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.5 M; THICKNESS: 5 MM; MATERIAL: MS GR 43A; FABRICATION METHOD: HOT ROLLED; SPECIFICATION: BS 4360; SUPPL P/N: 080M50; NOMINAL MASS 118KG EACH	4881
0017150	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 32 MM; MATERIAL: MS BS 4360, SABS 1431; WEIGHT: 753.6 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A	16961
0017151	KG	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.4 M; THICKNESS: 1.6 MM; MATERIAL: MS GR EN43A; FABRICATION METHOD: HOT ROLLED; SPECIFICATION: BS 4360 TABLE 6; 38.6 KG	3137
0017152	KG	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.5 M; THICKNESS: 2 MM; MATERIAL: 080M50 GR EN43A; FABRICATION METHOD: HOT ROLLED; SPECIFICATION: BS 4360; 48.25KG	2027
0017154	KG	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 5 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 1.57 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	707
0017177	KG	CHANNEL, STRUCTURAL: WIDTH: 50 MM; LENGTH: 6 M; HEIGHT: 100 MM; MATERIAL: MS; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 10.5 KG/M; SPECIFICATION: BS 4360	38580
0017179	KG	ANGLE, STRUCTURAL: LEG LENGTH: 25 MM; MATERIAL THICKNESS: 3 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 1.11 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 6.66KG/LENGTH	1054
0017181	KG	ANGLE, STRUCTURAL: LEG LENGTH: 40 MM; MATERIAL THICKNESS: 5 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 2.97 KG/M; SPECIFICATION: SABS 1431; GRADE: 300WA 43A; 17.82 KG/LENGTH.	6575
0017188	KG	CHANNEL, STRUCTURAL: WIDTH: 38 MM; LENGTH: 6 M; HEIGHT: 76 MM; MATERIAL: MS; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 6.7 KG/M; SPECIFICATION: SABS 1431-300WA	5307
0017191	KG	ANGLE, STRUCTURAL: LEG LENGTH: 25 MM; MATERIAL THICKNESS: 5 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 1.77 KG/M; SPECIFICATION: SABS 1431; GRADE: 300WA 43A	2960

0017192	KG	ANGLE, STRUCTURAL: LEG LENGTH: 30 MM; MATERIAL THICKNESS: 5 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 2.18 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 13.08KG/LENGTH	1530
0017193	KG	ANGLE, STRUCTURAL: LEG LENGTH: 50 MM; MATERIAL THICKNESS: 5 MM; LENGTH: 6 M; MATERIAL: CS; PROCESS: HOT ROLLED; WEIGHT: 3.77 KG/M; GRADE: EN43A	8188
0017194	KG	ANGLE, STRUCTURAL: LEG LENGTH: 50 MM; MATERIAL THICKNESS: 8 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 5.82 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 34.92KG/LENGTH	1210
0017200	KG	ANGLE, STRUCTURAL: LEG LENGTH: 80 MM; MATERIAL THICKNESS: 10 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 11.86 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A	1067
0017202	KG	BAR, ROUND: NOMINAL DIAMETER: 10 MM; LENGTH: 6 M; MATERIAL: CU SABS 182	150
0020506	EA	PLATE, METAL: DIMENSIONS: WD 120 X LG 150 X THK 20 MM; MATERIAL: STL; DRAWING NO: BBT HTGD 90253/6 REV 1; HARDENED; TYPE BEARING PEDESTAL; FOR THRUST BEARING PEDESTAL	150
0020521	EA	PLATE, METAL: DIMENSIONS: WD 120 X LG 150 X THK 20 MM; MATERIAL: STL; DRAWING NO: BBT HTGD 90128 POS 5 REV 1; HTGD 90128 REV 1; CYLINDER PAD; FOR IP TURBINE ADJUSTABLE SLIDING PADS; BOTTOM HALF CYLINDER	150
0020523	EA	PLATE, METAL: DIMENSIONS: WD 30 X LG 89 X THK 9 MM; MATERIAL: CS; DRAWING NO: HTGD 90836 REV 1; BBT HTGD 90836 POS 2 REV 1; SIDE PLATE; FOR IP AXIALLY FIXED CASING SUPPORTS	150
0020524	EA	PLATE, METAL: DIMENSIONS: WD 73 X LG 75 X THK 9 MM; MATERIAL: CS; DRAWING NO: BBT HTGD 90386 POS 3 REV 1; HTGD 90386 REV 1; TOP; CASING; FOR IP AXIALLY FIXED CASING SUPPORTS	150
0022825	EA	PLATE, METAL: DIMENSIONS: WD 120 X LG 150 X THK 19 MM; MATERIAL: STL HARDENED; DRAWING NO: HTGD90253/24 REV 1; BEARING PEDESTAL; HARDENED PLATE; FOR THRUST BEARING PEDESTAL B1 030.001 ON BBC 500MW TURBO GENERATORS AT KRIEL; ORIGINAL SUPPLY AGAINST CONTRAC	150
0039236	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 340 MM; MATERIAL: CI; LENGTH: 27.3 M; END TYPE: FLANGE; ASH; CP12	150
0039237	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 300 MM; MATERIAL: CI HIGH CR WHITE; LENGTH: 1.83 M; END TYPE: FLANGE; SPECIFICATION: BS 4844 GR D3; 350MM OD, STRUCTURE CONNECTION, ASH FACES MUST BE MACHINED AND DRILLED, FLANGE 30MM THICK X 445MM OD, 12 X 2	150
0039239	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 450 MM; MATERIAL: MS; LENGTH: 12 M; WALL THICKNESS: 6 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; ASH	150
0047842	EA	PLATE, METAL: DIMENSIONS: SQ 415 X THK 16 MM; MATERIAL: CI; SUPPL P/N: 378- 331; DRAWING NO: RJ SPARGO 4772 REV 1; 4772 REV 1; FIG NO: STE-3V; STE-3V BIN 402-114; REFERENCE NO: P1-5-4770; TYPE BACK; CASING; BIN 402-114	150
0048246	EA	PLATE, METAL: DIMENSIONS: DIA 315 X THK 20 MM; MATERIAL: STL; WEIGHT: BEARING END; SUPPL P/N: 720-8825-02-3; DRAWING NO: 721-0777-01 REV 1; BEARING END; FOR HIGH SPEED PINION ON MAAG GEARBOX GN 60	150
0052061	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 200 X 80 MM; CONNECTION: BW; MATERIAL: STL; GRADE: A; SPECIFICATION: SABS 719; 305MM LONG, BOTTLE NECK, UNCOATED, FOR HP HEATER EMERGENCY DRAIN TO CONDENSER LINE	150
0052114	EA	PLATE, METAL: DIMENSIONS: WD 55 X LG 209 X THK 19 MM; MATERIAL: STL; TYPE BOILER	150
0052115	EA	PLATE, METAL: DIMENSIONS: WD 55 X LG 222 X THK 19 MM; MATERIAL: STL; TYPE BOILER	150
0052116	EA	PLATE, METAL: DIMENSIONS: WD 55 X LG 228 X THK 19 MM; MATERIAL: STL; BASE BOILER 413	150
0052117	EA	PLATE, METAL: DIMENSIONS: WD 44 X LG 50 X THK 19 MM; MATERIAL: STL; BASE BOILER 405	150
0052118	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 410 MM; MATERIAL: STL; LENGTH: 5 M; WALL THICKNESS: 56.2 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; BOILER	150
0052119	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 730 MM; MATERIAL: STL; LENGTH: 8 M; WALL THICKNESS: 13.9 MM; CONSTRUCTION: WELDED; END TYPE: BW; BOILER	150
0052120	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 1.03 M; MATERIAL: STL; LENGTH: 8 M; WALL THICKNESS: 19.5 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; BLR	150

0052124	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 400 MM; MATERIAL: STL; LENGTH: 6.5 M; WALL THICKNESS: 13.1 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN	150
0052125	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 410 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 15 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; BOILER	150
0052126	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 533 MM; MATERIAL: STL; LENGTH: 10 M; WALL THICKNESS: 14 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; BOILER	150
0052127	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 205 MM; MATERIAL: STL; LENGTH: 6.7 M; WALL THICKNESS: 30 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; REFERENCE NO: HF622-27	150
0052517	EA	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.4 M X THK 16 MM; MATERIAL: STL 15M03; PROCESS: HOT ROLLED	150
0054986	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: STL SABS 62; LENGTH: 6 M; CONSTRUCTION: SEAMLESS; END TYPE: COUPLED X THD; RATING: 4800 KPA; SUPPL P/N: BS1387-67; REFERENCE NO: 100NB	150
0054987	M	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; RATING MEDIUM, STRUCTURE WELDED	405
0054988	M	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	177
0054989	M	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, NOMINAL PIPE SIZE DESIGNATION 50 MM, WAL	981
0054991	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: GS SABS 62- 1971; LENGTH: 6.7 M; CONSTRUCTION: WELDED; END TYPE: COUPLED X THD	150
0055011	M	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, TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPR	153
0055255	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 150 MM; MATERIAL: STL; LENGTH: 6.1 M; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40	150
0055280	EA	PIPE, METALLIC: MATERIAL: STL; LENGTH: 5 M; END TYPE: FLANGE	150
0055281	EA	PIPE, METALLIC: MATERIAL: MS RED OXIDE COATED; LENGTH: 12.23 M; WALL THICKNESS: 6 MM; END TYPE: FLANGE; BASALT LINED; LINED WITH 300MM ID X 20MM WALL BASALT CYLINDERS INSTALLED INTO STEEL CASING; STL WALL; BOTH ENDS 25MM THK	150
0055562	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 316L; NOTE: MATERIAL IDENTIFICATION TO BE STAMPED AT BOTH ENDS; MATERIAL CERT	150
0055563	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 316L; NOTE: MATERIAL IDENTIFICATION TO BE STAMPED AT BOTH ENDS; MATERIAL CERT	150
0055564	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 100 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 316L; NOTE: MATERIAL IDENTIFICATION TO BE STAMPED AT BOTH ENDS; MATERIAL CERTIFICATE TO BE SUPP	150
0055575	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 8 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 2.85 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 13.7MM OD	150
0055576	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 10 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 2.31 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 17.1MM OD	150
0055577	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 15 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 2.77 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 21.3MM OD	144

0055578	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 20 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 2.87 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 26.7MM OD	153
0055579	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 25 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 3.38 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 33.4MM OD	150
0055580	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 3.56 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 42.2MM OD	150
0055581	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 40 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 3.68 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 48.3MM OD; DUVHA REQUIRE 3.2 MATERIAL CERTIFICATE WITH EVERY DELIVERY	117
0055583	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 5.49 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: B; 88.9MM OD	984
0055632	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 150 MM; MATERIAL: CS ASTM A106; LENGTH: 6 M; WALL THICKNESS: 7.11 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; GRADE: B	150
0056070	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 540 MM; MATERIAL: MS; LENGTH: 12 M; WALL THICKNESS: 6 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN	150
0056072	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 300 MM; MATERIAL: CS; LENGTH: 12 M; WALL THICKNESS: 8 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; GRADE: 300W; SPECIFICATION: API5LX42; SABS 719; FOR USE ON ASH LINES	17721
0056075	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 200 MM; MATERIAL: CS; LENGTH: 6 M; WALL THICKNESS: 8.18 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SCHEDULE: 40; SPECIFICATION: ASTM A106B; SABS 719; STEAM	119
0056093	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 6 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 1 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; GRADE: 316	150
0056094	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 10 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 1 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; GRADE: 316; REFERENCE NO: SS-T10M-S1.0M-6ME; SIZE 10MM OUTSIDE DIAMETER	150
0056126	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: OD 33.7 MM; MATERIAL: STL ASTM A209; LENGTH: 8 M; WALL THICKNESS: 3.6 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; GRADE: T1; COLD DRAWN HIGH PRESSURE DRAIN AND AIR RELEASE PIPING, COLOUR CODE WHITE, STANDARD	150
0056847	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 450 MM; MATERIAL: CI; LENGTH: 810 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SEC; MOD 28712 OR PF MILL	150
0056848	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 400 MM; MATERIAL: CI; LENGTH: 250 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SEC MOD 28713; FOR PF MIL	150
0056850	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 450 MM; MATERIAL: CI; LENGTH: 280 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SEC MOD 28719; FOR PF MIL	150
0057108	EA	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: BSP; OUTLET SIZE: 8 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	150
0057109	EA	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	150
0057110	EA	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	332
0057113	EA	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	357
0057116	EA	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 40 X 20 MM; CONNECTION: BSP X FBSP; MATERIAL: MI CAST; SPECIFICATION: BS 143/52; SABS 509/55	150
0057117	EA	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	161
0057118	EA	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	150

0057120	EA	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 32 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	150
0057121	EA	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	150
0057168	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 10 MM; CONNECTION: FPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740-71; FOR STEAM APPLICATION	150
0057169	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 40 X 25 MM; CONNECTION: NPT; MATERIAL: STL; GRADE: WPB; SPECIFICATION: BS 1740-1965 AMENDMENT 1 TABLE 13; STEAM, PSI, BSP THREAD	150
0057171	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 15 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740	156
0057172	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 15 X 10 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150
0057173	EA	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	150
0057174	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 20 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13	150
0057177	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 25 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150
0057178	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 40 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: 4.6; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13; STEAM SOCKET, BSP THREAD	150
0057179	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 25 X 15 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; SPECIFICATION: BS S1740; STEAM PSI, BSP THREAD	150
0057180	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 8 MM; CONNECTION: FPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150
0057181	EA	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	150
0057182	EA	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	150
0057183	EA	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	150
0057187	EA	ADAPTOR, PIPE: INLET SIZE: 80 MM; INLET CONNECTION: BSP; OUTLET SIZE: 50 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	150
0057188	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 10 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740- 1965 AMENDMENT 1 TABLE 13; BSP THREAD	150
0057189	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 80 X 50 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS 1740; STEAM SOCKET; BSP THREAD	150
0057190	EA	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	293
0057191	EA	ADAPTOR, PIPE: INLET SIZE: 15 MM; INLET CONNECTION: BSP; OUTLET SIZE: 8 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	218
0057192	EA	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	150
0057230	EA	ADAPTOR, PIPE: INLET SIZE: 100 MM; INLET CONNECTION: BSP; OUTLET SIZE: 80 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	150
0057233	EA	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	150
0057234	EA	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 80 X 65 MM; CONNECTION: BSP X FBSP; MATERIAL: MI CAST; SPECIFICATION: BS 143/52; SABS 509/55	150

0057237	EA	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	150
0057241	EA	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 32 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; HEXAGON HEAD ONE END; RATING: 75 BAR; SPECIFICATION: BS143/52; SABS 509/55	150
0057243	EA	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 38 X 20 MM; CONNECTION: BSP X FBSP; MATERIAL: MI GALV; RATING: 75 BAR; SPECIFICATION: EN10241	150
0057245	EA	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; HEXAGON HEAD ONE END; RATING: 75 BAR; SPECIFICATION: BS143/52; SABS 509/55	150
0057246	EA	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; HEXAGON HEAD ONE END; RATING: 75 BAR; SPECIFICATION: BS143/52; SABS 509/55	150
0057247	EA	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	150
0057324	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 20 X 15 MM; CONNECTION: FBSP; MATERIAL: IRON GALV; GRADE: WPB; SPECIFICATION: BS S1740; FEMALE THREAD BOTH ENDS, PSI	150
0057326	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 15 X 8 MM; CONNECTION: FNPT; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15; SOCKET, SIZE 15MM TO 10MM, FEMALE THREAD	150
0057334	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 32 X 25 MM; CONNECTION: NPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150
0057336	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 8 X 6 MM; CONNECTION: FNPT; MATERIAL: STL; SPECIFICATION: BS 1740-1965 AMENDMENT 1 TABLE 13; STEAM, LARGE/SMALL END BSP; SIZE 25MM LONG; END DETAIL DESCRIPTION	150
0057338	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 100 X 80 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150
0057340	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 20 MM; CONNECTION: FBSP; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	150
0057424	EA	REDUCER, PIPE: TYPE: SOCKET; NOMINAL SIZE: 40 X 32 MM; CONNECTION: FBSP; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1971	150
0058269	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 8CM6; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (I	150
0058315	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 200 X 150 MM; CONNECTION: BW; MATERIAL: STL; SCHEDULE: 40	150
0058316	EA	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 150 X 100 MM; CONNECTION: BW; MATERIAL: STL; SCHEDULE: 40	150
0058318	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 100 X 80 MM; CONNECTION: BW; MATERIAL: STL; SCHEDULE: 40	150
0058319	EA	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 100 X 65 MM; CONNECTION: BW; MATERIAL: STL; SCHEDULE: 40	150
0058415	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: FNPT; MATERIAL: BRASS; SUPPL P/N: 8CF4; ONLY GYROLOK OR SWAGelok ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING	150
0058416	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: FNPT; MATERIAL: BRASS; SUPPL P/N: 8CF8; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (150
0059096	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: FNPT; MATERIAL: SS GR 316; SUPPL P/N: 6CF8-316MME; ONLY GYROLOK OR SWAGelok ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE P	150

0059187	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STL CD PLTD; SUPPL P/N: GE12SR1/2"; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISIO	150
0059498	EA	ADAPTOR, HOSE TO PIPE: HOSE SIZE: 10 MM; HOSE CONNECTION: BARB; PIPE SIZE: 16 MM; PIPE CONNECTION: FNPT; MATERIAL: BRASS; REFERENCE NO: 002-170; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF	150

0060412	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 3/16 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 3CMT4; ONLY GYROLOK OR SWAGelok ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST	150
0060419	EA	ADAPTOR, TUBE TO HOSE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; HOSE SIZE: 1/4 IN; HOSE CONNECTION: BARB; MATERIAL: BRASS; SUPPL P/N: 4BA4; ONLY GYROLOK OR SWAGelok ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING	150
0060428	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 3/16 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 3CMT4; ONLY GYROLOK OR SWAGelok ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMIN	150
0060429	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 4CMT4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (150
0060430	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 5/16 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: BRASS; SUPPL P/N: 5CMT4; ONLY GYROLOK OR SWAGelok ACCEPTABLE AT KRIEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMIN	150
0060437	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE12-L; REFERENCE NO: GE12-L; STRAIGHT MALE STUD COUPLING, ERMETO FITTINGS; VENDORS ARE RESPONSIBLE FOR ENSURING THA	150
0060438	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE12L; ONLY GYROLOK OR SWAGelok ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE	150
0060439	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 11/32 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE-12-S; STRAIGHT MALE STUD COUPLING, ERMETO FITTINGS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMI	150
0060440	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE12S; ONLY GYROLOK OR SWAGelok ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE	150
0060441	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: GE14S; REFERENCE NO: GE14S; STRAIGHT MALE STUD COUPLING, ERMETO FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT T	150
0060450	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPR; PIPE SIZE: 14 MM; PIPE CONNECTION: THD; MATERIAL: STL; REFERENCE NO: GA1-12-LM; STRAIGHT FEMALE COUPLING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DR	150
0060451	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: THD; MATERIAL: STL; SUPPL P/N: GA1-12S; ONLY GYROLOK OR SWAGelok ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST T	150

0060452	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 14 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: THD; MATERIAL: STL; SUPPL P/N: GA1-14S; ONLY GYROLOK OR SWAGelok ACCEPTABLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST T	150
0060460	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: BSP; MATERIAL: STL; MODEL NO: BM04MT04; STRAIGHT MALE CONNECTOR, MALE THREADED BOTH ENDS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFOR	150
0060461	EA	ADAPTOR, PIPE: INLET SIZE: 1 IN; INLET CONNECTION: BSPT; OUTLET SIZE: 1 IN; OUTLET CONNECTION: BSP; MATERIAL: STL; SUPPL P/N: BM16TM16; CHAMFER; STRAIGHT	150
0060462	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 8 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 16 MM; PIPE CONNECTION: NPT; MATERIAL: STL; SUPPL P/N: NM06JM12; HYDRAULIC FITTING, NPTF/JIC MALE FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAIN	150
0060463	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 15 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 25 MM; PIPE CONNECTION: NPT; MATERIAL: STL; MODEL NO: NM12JM17; JIC MALE FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING R	150
0060464	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 20 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 32 MM; PIPE CONNECTION: NPT; MATERIAL: STL; MODEL NO: NM16JM21; NPTF JIC MALE FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAW	150
0060465	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/4 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: STL; MODEL NO: 4MH-UFS; REFERENCE NO: 4MH-4UFS; UNION MALE/FEMALE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGA	150
0060466	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 1/2 IN; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/2 IN; PIPE CONNECTION: NPT; MATERIAL: STL; MODEL NO: 8MH-8UFS; HYDRAULIC FITTING, STRAIGHT UNION, MALE AND FEMALE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERF	150
0060485	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 12 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: STL; REFERENCE NO: GE 12 S3-8P; STRAIGHT MALE STUD COUPLING, ERMETO FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFO	150
0060486	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 14 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: STL; REFERENCE NO: GE14S 1/4P; STRAIGHT MALE STUD COUPLING, ERMETO; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGA	150
0060487	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 15 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 12 MM; PIPE CONNECTION: FNPT; MATERIAL: STL; SUPPL P/N: G12S; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF A	150
0060490	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 14 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 20 MM; PIPE CONNECTION: FNPT; MATERIAL: STL; REFERENCE NO: GAI 14 SR; STRAIGHT COUPLING; ERMETO FITTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINS	150
0060496	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 6 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/8 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; REFERENCE NO: 6CM2-316-MM E; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVI	150
0060497	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 10 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 1/4 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; REFERENCE NO: 10CM4-316-MME; SWAGelok OR GYROLOK BRAND ONLY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING	150
0060499	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 510 MM; MATERIAL: CI; LENGTH: 950 MM; CONSTRUCTION: SEAMLESS; END TYPE: FLANGE; SEC MOD28718; FOR PRECP	150
0060500	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 450 MM; MATERIAL: CI; LENGTH: 1.3 M; CONSTRUCTION: SEAMLESS; END TYPE: BW; SEC MOD28714; FOR PRECP	150

0060505	EA	ADAPTOR, HOSE TO PIPE: HOSE SIZE: 15 MM; HOSE CONNECTION: BARB; PIPE SIZE: 22 MM; PIPE CONNECTION: FNPT; MATERIAL: NYLON; SUPPL P/N: 40112; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLI	150
0060507	EA	ADAPTOR, TUBE TO PIPE: TUBE SIZE: 10 MM; TUBE CONNECTION: COMPRESSION; PIPE SIZE: 3/8 IN; PIPE CONNECTION: NPT; MATERIAL: SS GR 316; REFERENCE NO: 10CM6-316-MME; MALE CONNECTOR, GYROLOK OR SWAGELOK BRAND ONLY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THE	150
0060590	EA	SHEET, METAL: WIDTH: 70 MM; LENGTH: 110 MM; THICKNESS: 4 MM; MATERIAL: STL; ADAPTION 64X4 15M03 ITEM 13	150
0090541	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 30 MM; MATERIAL: STAINLESS STEEL; LENGTH: 445 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SUPPL P/N: 000.01; MODEL NO: HPTPK32; REFERENCE NO: 104-133-371-003; 49MM OD; FOR INTERMEDIATE STAGE CONNECTION; FOR	150
0143513	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 183 MM; MATERIAL: BAKELITE; P27	150
0143529	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 187 MM; MATERIAL: BAKELITE; P22	150
0143531	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 185 MM; MATERIAL: BAKELITE; P42	150
0143532	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 185 MM; MATERIAL: BAKELITE; P26	150
0143534	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 187 MM; MATERIAL: BAKELITE; P21	150
0143541	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 183 MM; MATERIAL: BAKELITE; P23	150
0143543	EA	SUPPORT: TYPE: CHANNEL; DIMENSIONS: LG 185 MM; MATERIAL: BAKELITE; P25	150
0162358	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 25 MM; MATERIAL: MS BS 4360, SABS 1431; WEIGHT: 589 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A	11656
0162360	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 35 MM; MATERIAL: MS BS 4360, SABS 1431; WEIGHT: 824 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A	2472
0162362	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 50 MM; MATERIAL: MS; WEIGHT: 1.178 T; PROCESS: HOT ROLLED; GRADE: EN43A; BS4360 1972 TABLE 6	1766
0162365	EA	SHEET, METAL: WIDTH: 925 MM; LENGTH: 1.83 M; THICKNESS: 0.5 MM; MATERIAL: STL; SURFACE TREATMENT: GALV; FLAT; SIZE: 915 MM X 0.71 MM (22WG)	150
0162367	EA	SHEET, METAL: WIDTH: 915 MM; LENGTH: 1.83 M; THICKNESS: 0.91 MM; MATERIAL: CS LOW; SURFACE TREATMENT: GALV; TYPE: FLAT	150
0162379	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 45 MM; MATERIAL: MS SABS 1431; WEIGHT: 1060 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A	150
0162380	KG	PLATE, METAL: DIMENSIONS: WD 1.225 M X LG 2.45 M X THK 80 MM; MATERIAL: MS SABS 1431; WEIGHT: 188.4 KG; GRADE: 300WA EN43A	150
0162404	EA	SHEET, METAL: WIDTH: 195 MM; LENGTH: 300 MM; THICKNESS: 3 MM; MATERIAL: MS; DRAWING NO: ESKOM 13-45/526 REV 1	150
0162418	EA	SHEET, METAL: WIDTH: 200 MM; LENGTH: 1 M; THICKNESS: 3 MM; MATERIAL: MS; DRAWING NO: ESKOM 13-45/526 REV 1	150
0162492	KG	SHEET, METAL: WIDTH: 1.25 M; LENGTH: 2.5 M; THICKNESS: 5 MM; MATERIAL: SS GR 304; FABRICATION METHOD: HOT ROLLED; REFERENCE NO: 304; 153.8 KG PER SHEET	150
0162496	EA	SHEET, METAL: WIDTH: 762 MM; LENGTH: 1.524 M; THICKNESS: 0.71 MM; MATERIAL: STL; SURFACE TREATMENT: GALV; ST	150
0162499	KG	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 40 MM; MATERIAL: MS; WEIGHT: 942 KG; PROCESS: HOT ROLLED; SPECIFICATION: BS 4360-1972 TABLE 6; GRADE: EN43A; 080M50	2826
0162546	M2	SHEET, METAL: WIDTH: 914 MM; LENGTH: 1.829 M; THICKNESS: 1 MM; MATERIAL: SS GR 304; FABRICATION METHOD: COLD ROLLED; PERFORATED, WITH 8MM HOLE X 10MM PITCH	150
0162548	EA	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.4 M X THK 6 MM; MATERIAL: INCOLOY 800/STL; PLEASE NOTE: MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLIED WITH CERTIFICATES	150
0162549	EA	SHEET, METAL: WIDTH: 3 M; LENGTH: 6 M; THICKNESS: 5 MM; MATERIAL: STL GR 15M03; PLEASE NOTE: MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLY WITH CERTIFICATE	150
0162550	EA	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.4 M X THK 12 MM; MATERIAL: SS ASTM A480M; GRADE: 304; CORROSION RESISTANT	150
0162551	KG	SHEET, METAL: WIDTH: 1 M; LENGTH: 2 M; THICKNESS: 1.21 MM; MATERIAL: SS GR 304; FABRICATION METHOD: COLD ROLLED; (18SWG)	150

0162552	KG	SHEET, METAL: WIDTH: 1 M; LENGTH: 2 M; THICKNESS: 0.71 MM; MATERIAL: SS GR 304; SURFACE CONDITION: MILL FINISHED; SPECIFICATION: BS 970-1972; TYPE: (22SWG), NOTE: MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLY WITH CERTIFICATE	150
0162553	KG	SHEET, METAL: WIDTH: 1 M; LENGTH: 2 M; THICKNESS: 0.5 MM; MATERIAL: SS GR 304; FABRICATION METHOD: COLD ROLLED; SPECIFICATION: BS 970-1972 PART 4; (24SWG)	150
0162554	EA	SHEET, METAL: WIDTH: 1 M; LENGTH: 2 M; THICKNESS: 3 MM; MATERIAL: STL 3CR12; NOTE: MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLIED WITH CERTIFICATE	150
0162559	KG	SHEET, METAL: WIDTH: 1.25 M; LENGTH: 2.5 M; THICKNESS: 3 MM; MATERIAL: SS GR 304; SURFACE CONDITION: MILL FINISHED; SPECIFICATION: ASTM A240; +-76KG	19407
0162566	EA	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.5 M; THICKNESS: 3 MM; MATERIAL: 15M03; SIZE: 1250 X 2500 X 5.0MM THK; NOTE! MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLY WITH CERTIFICATE	330
0162573	EA	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.4 M X THK 6 MM; MATERIAL: STL CV18W; PROCESS: HOT ROLLED; NOTE! MATERIAL IDENTIFICATION MUST BE MARKED ON MATERIAL AND SUPPLIED WITH CERTIFICATE	150
0162576	KG	PLATE, METAL: DIMENSIONS: WD 1.25 M X LG 2.5 M X THK 10 MM; MATERIAL: 15MO3; WEIGHT: 360 KG; PROCESS: HOT ROLLED; FLAT STEEL, NOTE! MATERIAL CERTIFICATES TO BE SUPPLIED AND PLATES TO BE MARKED	5790
0162826	KG	SHEET, METAL: WIDTH: 900 MM; LENGTH: 1.8 M; THICKNESS: 3.2 MM; MATERIAL: CU ANNEALED; SPECIFICATION: BS 182	150
0162840	EA	PLATE, METAL: DIMENSIONS: WD 1.25 M X LG 2.5 M X THK 6 MM; MATERIAL: ALUMINIUM; TYPE PACKING; CHECKER; MATERIAL: 5251N6	150
0162865	KG	SHEET, METAL: WIDTH: 1 M; LENGTH: 1 M; THICKNESS: 3 MM; MATERIAL: BRASS	150
0220072	EA	PLATE, METAL: DIMENSIONS: WD 60 X LG 185 X THK 48 MM; MATERIAL: STL; DRAWING NO: HTGD-90200 POS 6 REV 1; HTGD-90200 REV 1; TYPE BEARING NO 4; FOR TURBINE BBC 500 MW	150
0223261	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: SS ASTM A312; LENGTH: 6 M; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 310; SPECIFICATION: TP310 S/310 H; MATERIAL CERTIFICATE TO BE ISSUED	150
0224511	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 300 X OD 370 MM; MATERIAL: MS BASALT LINED; LENGTH: 6 M; END TYPE: FLANGE; MAXIMUM OPERATING PRESSURE: 7 BAR; FLANGE SIZES: 553MM; PCD 495MM; 16 X 28MM DIA HOLES; FLANGE 25MM THK	819
0251243	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 80 MM; MATERIAL: STAINLESS STEEL; LENGTH: 3 M; GRADE: 316	150
0256524	EA	PLATE, METAL: DIMENSIONS: WD 76 X LG 113 X THK 5 MM; MATERIAL: STAINLESS STEEL; MANUF P/N: 7628; CARRAIGE	150
0256526	EA	PLATE, METAL: DIMENSIONS: DIA 213 X LG 370 X THK 26.4 MM; MATERIAL: GK-ALS/12	150
0577279	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 65 MM; MATERIAL: MS; LENGTH: 6 M; WALL THICKNESS: 6.02 MM; END TYPE: PLAIN	150
0577284	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 80 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 19 MM; END TYPE: PLAIN	150
0577285	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 32 MM; MATERIAL: MS; LENGTH: 500 MM; WALL THICKNESS: 6.02 MM; END TYPE: PLAIN	645
0577289	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 150 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 15.5 MM; END TYPE: PLAIN	176
0577290	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 100 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 25 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN	150
0577292	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 250 MM; MATERIAL: MILD STEEL; LENGTH: 6 M; WALL THICKNESS: 37 MM; END TYPE: PLAIN	150
0577294	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 25 MM; MATERIAL: MILD STEEL; LENGTH: 2.5 M; WALL THICKNESS: 3 MM; END TYPE: PLAIN	150
0577295	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 40 MM; MATERIAL: MS; LENGTH: 500 MM; WALL THICKNESS: 3 MM; END TYPE: PLAIN	312
0640883	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: SQ 22 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 2 MM; CONSTRUCTION: SQ; END TYPE: PLAIN; GRADE: SS GR 310	150

0660429	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB50 MM; MATERIAL: GALV STL; LENGTH: 6 M; WALL THICKNESS: 5.74 MM; END TYPE: SOCKET WELD; MAXIMUM OPERATING PRESSURE: PN16; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 50 DEG C	150
0661571	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB 400 MM; MATERIAL: CARBON STL; LENGTH: 3 M; WALL THICKNESS: 8 MM; MAXIMUM OPERATING PRESSURE: 3 MPA; SCHEDULE: 20; MAXIMUM OPERATING TEMP: 500 DEG C; GRADE: SA106GRB; THE COMPONENT FORMS PART OF A QUICK STA	150
0662100	M	ANGLE, STRUCTURAL: LEG LENGTH: 80 X 40 MM; MATERIAL THICKNESS: 6 MM; LENGTH: 6 M; MATERIAL: SS 316; TYPE: VESSEL L	150
0662125	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB80; MATERIAL: GALV STL; LENGTH: 6 M; WALL THICKNESS: 5.74 MM; END TYPE: SOCKET WELD; MAXIMUM OPERATING PRESSURE: PN16; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 50 DEG C	150
0662198	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 32 MM; MATERIAL: SS 316; LENGTH: 6 M; WALL THICKNESS: 3.56 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; MAXIMUM OPERATING PRESSURE: 1600 KPA; SCHEDULE: 40; RATING: PN16; MAXIMUM OPERATING TEMP: 80 DEG C; GRAD	150
0662305	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 12 MM; MATERIAL: SS 304; LENGTH: 6 M; WALL THICKNESS: 3 MM; IT SHOULD WITHSTAND ACID COMPOUNDS SUCH AS AMONIA; IT MUST BE RESISTANT TO CORROSION	150
0669813	M	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB350 MM; MATERIAL: ASTM 106; LENGTH: 6 M; WALL THICKNESS: 8 MM; CONSTRUCTION: SMLS; END TYPE: PLAIN; MAXIMUM OPERATING PRESSURE: 0.5 MPA; SCHEDULE: 20; MAXIMUM OPERATING TEMP: 510 DEG C; GRADE: B; 7.92MM	150
0691958	EA	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 80 NB MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 5.484 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; GRADE: 316H; SPECIFICATION: ASTM A312; ACCOMPANIED BY MATERIAL ID STAMPED	150

2.1 Purchaser's design

Not applicable to this contract

2.2 Procedure for submission and acceptance of Supplier's design

- For All material with a special code that require AIA intervention, The *Supplier* submits the Project quality (PQP/ Contract quality plan) plan for approval prior to commencement with any manufacturing or fabrication
- All *goods* or material are designed and manufactured in accordance with an accepted design standard and as per heading 2 the long item description table above
- All *goods* or material technical documents are accepted by the *Employer* prior to commencement with manufacturing or fabrication
- All *goods* supplied shall include material certification in line with the design code and standard
- The *Supplier* issues the data pack/ sheet for all *goods* supplied
- The data book of *goods* supplied includes but not limited NDT results, welding procedures etc.
- All *goods* are delivered with relevant material certificate in line with the PQP/ Contract quality plan and metallurgical relevant tests
- The designation of the steel grade should be in accordance with section 5.2 of BS EN 10217-3
- The test category should be as per the section 9.3 of BS EN 10217-3

The *Supplier* submits particulars of the design of an item of *goods* to the *Service Manager* for acceptance when the instructed to do so. A reason for not accepting is that the design of the *goods*

will not allow the *Supplier* to provide the *service* in accordance with the *Purchaser's* Goods Information, accepted plan or the applicable law.

2.3 Other requirements of the *Supplier's* design

Not applicable to this contract

2.4 Use of *Supplier's* design

The *Purchaser* is allowed to use the designs, drawings and documents for the purpose of verifying goods supplied and the fulfilment of PQP/ CQP/QCP

2.5 Manufacture & fabrication

As per heading 2.2 above

2.6 Factory acceptance testing (FAT)

As per heading 2.2 above

2.7 Other tests and inspections and commissioning in place of use

Not applicable to this contract

2.8 Operating manuals and maintenance schedules

Material data sheets should include storage procedure as well as maintenance philosophies and to be submitted upon delivery of all goods

3 Supply Requirements

- a) *Supplier* to deliver goods in line with lead times prescribed on Part C2 (Data by the Purchaser) upon receipt of order
- b) All purchased goods must be delivered at Kriel Power Station stores.
- c) The *Supplier* to ensure the goods are delivered during working hours and reasonable time must be allocated for gate access, off-loading, paperwork processing. Working Hours for Kriel Power Station are as follows: Monday to Thursday – 07h00 to 16h15 and Friday 07h00 to 12h00.
- d) Where deliveries are to be made outside the working ours, the *Supplier* need to confirm the availability of Kriel Power Station Stores Receiving personnel before dispatching the items
- e) The *Supplier* to be prepared and always ready to provide goods within an acceptable delivery period when urgently required.
- f) Supply and deliver order according to specification as per the SOW and handle defective material and premature failure of components.
- g) Perform quality verification.
- h) Provide onsite and offsite material storage procedure as per the equipment manufacturer requirements.
- i) Perform safe stock handling and transportation of critical components.
- j) Provide technical support to the Employer on delivered filters as per the SOW in liaising with respective equipment manufacturer.
- k) Transport goods and provide technical support
- l) All *goods* are packaged such that inadvertent mechanical damage to components is not possible
- m) Damaged *goods* due to the fault of the *Supplier* are corrected at *Supplier's* cost
- n) All intervention points and data books are supplied for all goods as signed off in line with PQP/ Contract quality plan and QCPs

Mandatory requirements

- a) The *Supplier* will always supply the Material with a minimum of a 3.1 Material Certificate

- b) Material certs are delivered with the material at receiving
- c) The Supplier complies with the Technical evaluation strategy requirements through the duration of the contract ref no 555-EBP2072
- d) The *Supplier* will always obtain a signed declaration form from manufacturer, confirming that all the requirements of material preservation specifications according to any EN Code (e.g., EN 10204:2004) and/or local accreditation body will be met.
- e) Quality certification that the *Supplier* has been audited and authorized having a quality assurance system for material manufacture in accordance an ISO standard to produce/Sell the material grades and dimension ranges tendered for.

- Both the ISO 9001 Valid Certification and Supplier's Signed QMS

4 Specification of the services to be provided

As per Table on heading 2

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

- a) The *Supplier* submits a program to the *Supply Manager* as per the agreed lead times during negotiations which covers all milestones of the manufacturing process up to delivery to site.
- b) The *Supplier* shares the program two (2) days after placement of each order to the *Supply Manager* for acceptance
- c) The early warning as per clause 16.1 is used to communicate the changes on agreed delivery schedule/ programme

<i>goods and services</i>	<i>delivery date</i>
Steel Pipes	5 working days after purchase order issuance
Tubes	5 working days after purchase order issuance
Sheets	5 working days after purchase order issuance
Bars	5 working days after purchase order issuance
Reducer	5 working days after purchase order issuance
Adaptors	5 working days after purchase order issuance
Plates	5 working days after purchase order issuance

5.2 Work to be done by the Delivery Date

The agreed delivery date of the goods is the date after all the Quality Control Processes and correction of defects.

5.3 Marking the goods

No need to mark good except that the supplier must submit material data sheets for all goods supplied

5.4 Constraints at the delivery place and place of use

- a) All deliveries should be arranged to be within Kriel Power Station normal working hours as stipulated in section 3 of this document.
- b) Kriel Power Station site access will be adhered to. The *Supplier* informs the Purchaser timeously to make all necessary arrangement.

5.5 Cooperating with Others

- a) The *Supplier* cooperates with the stores personnel during delivery.
- b) The *Supplier* cooperates with the Purchasers team in ensuring that the goods are delivered in accordance with all requirements

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

- a) As per Heading 3 (Supply requirements)
- b) As per Heading 4 (Specification of the service to be provided)
- c) The availability of rigging equipment, cranes or forklift and the relevant operators must be confirmed with the Kriel Power Station (*Supply manager*) before dispatching the *goods*.
- d) The Supplier provides offloading people to assist with offloading at receiving. NB: The Supplier offloading team names must be part of the valid approved safety file

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 & interval	Location	Attendance by:
Overall contract progress and feedback	Quarterly or as and when urgent need arises	either face to face or virtual at a convenient venue	<i>Purchaser, Supplier, and Cross functional team members</i>
Contract risk reduction or Early warning meting	When the need arises	TBC	<i>Purchaser, Supplier, and CFT</i>
Contractor partnership SHEQ meeting	Monthly	TBC	Statutory meeting, Supplier to attend

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 contractual communications will be in the form of properly compiled letters or forms attached to e-mails and not as a message in the email itself.

The manufacturing data books shall be submitted in hardcopy and soft copy format. The following documentation shall form part of the manufacturing data book:

- a. Material Certificates 3.1 certification

- b. Manufacturing QCP's (All fully signed) All goods are accepted and signed off by Employer's QC
- c. Storage procedures
- d. Material data sheets

5.9 Health and safety risk management

- a) The *Supplier* complies with Section 10 of Occupational Health and Safety Act (Act No.85 of 1993) when manufacturing any *goods* for this contract.
- b) The *Supplier* shall comply with site health and safety requirements for Kriel Power Station when delivering *goods*.
- c) Site delivery safety requirements to be adhered to - And can be obtained through the *Purchaser's Manager* In line with the SHE specification
- d) The *Supplier* submits safety file for approval before access is granted
- e) The *Supplier* maintains the safety file validity in line with site requirements
- f) The mode of transport for delivery should comply with site requirement in line with issued SHE specification.
- g) Supplier to update their safety file yearly and each time they make changes on their staff or personnel
- h) The Supplier ensures that when changing a team member, the new team gets inducted and all process of safety file approval is adhered to- before gaining access to site

The *Supplier* shall comply with the health and safety requirements contained in Annexure A of the Invitation to Tender

5.10 Environmental constraints and management

The *Supplier* shall comply with the environmental criteria and constraints when doing deliveries at Kriel Power Station premises regarding:

- a) The vehicle used for delivery; by ensuring that there are no oil spillages, and the vehicle emission is not emitting beyond limits.
- b) The material used for supporting the *goods* being delivered are correctly disposed and are without harm to environment. The *Supplier* must comply with site Environmental management plan (EMP) and other requirement.
- c) The *Supplier* complies with Environmental aspect and impact register.
- d) The Supplier complies with all site's environmental management procedures, especially the waste management and oil spillages

The *Supplier* shall comply with the environmental criteria and constraints contained in Annexure B of the Invitation to Tender

5.11 Quality

- a) The Supplier compiles the baseline Quality Control plan
- b) Quality Control Plan (QCP) must be approved by both the *Suppliers*, Eskom engineer and QC inspector before commencing with any deliveries at the beginning of the contract
- c) Material certificates, mechanical testing certificate and NDT certificates should be part of the data package accompanying the QCPs.
- d) All delivered goods will be subjected to QC verification by an Employer's Quality personnel at receiving at per detailed item description found in heading 2 table
- e) The *Supplier* must comply with Eskom's Supply Quality Management Specification (Document No: 240-105658000) and ISO 9001:2015 requirements.
- f) The *Employer* will on frequent basis conduct the *Supplier's* performance/ compliance in accordance to QM 58 and ISO 9001 and NCR will be raised for non-compliance

The *Supplier* shall comply with the quality criteria and constraints contained in Annexure C of the Invitation to Tender

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;
- NB: All assessment and data books requirements to be met before any payment can be processed

5.13 Insurance provided by the *Purchaser*

Not applicable to this contract

5.14 Contract change management.

The change management process to be followed as per the core clause 16.1. Any verbal instruction/communication must be backed with a written instruction; the use of minutes, letters or emails is accepted. Any communication must go through the purchaser's manager.

5.15 Provision of bonds and guarantees

Not Applicable to this contract

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

Early warning to be given by any of the parties as soon either becomes aware of matters that could increase the total of total prices, delay completion etc. All the compensation events will be implemented through the raising of an early warning. See NEC Core clause 16.1 and 63.1 and 63.2

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

Not applicable

6.1.2 Limitations on subcontracting

Not applicable

6.1.3 Designated Sectors (Local Content)

- Fabricated structural steel-100%

The Supplier shall comply with the SD&L criteria contained in Annexure D of the Invitation to Tender

6.1.4 Spares and consumables

Not Applicable to this Contract

6.1.5 Other requirements related to procurement

The CSI target for this contract is 3% per invoice paid

6.1.6 Cataloguing requirements by the *Supplier*

Not Applicable to this Contract (All items are stock items)

7 List of drawings

7.1 Drawings issued by the *Purchaser*

Not Applicable to this Contract

C3.2 *SUPPLIER'S* GOODS INFORMATION

This section of the Goods Information will always be contract specific depending on the nature of the *goods* and *services*.

It is most likely to be required for supply contracts where the tendering supplier will have proposed specifications and schedules for the *goods* and *services*, which once accepted by the *Purchaser* prior to award of contract now become obligations of the *Supplier* per core clause 20.1.

This section could also be compiled as a separate file.
