



NEC3 Supply Contract (SC3)

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

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

for Supply, Test & Delivery of Structural and Industrial Steel
on an as and when required 'Basis' for a period of 5 years
at Tutuka Power Station

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CONTRACT No. [Insert at award stage]

Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

PART C1: AGREEMENTS & CONTRACT DATA

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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, Test & Delivery of Structural and Industrial Steel on an as and when required 'Basis' for a period of 5 years at Tutuka Power Station

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*.

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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.

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

No.	Subject	Details
1	N/A	N/A
2		

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

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

For the tenderer:

For the *Purchaser*

Signature

Name

Capacity

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

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

Name &
signature
of witness

Date

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C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

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

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	X1: Price adjustment for inflation X2 Changes in the law X7: Delay damages X17: Low performance damages X20 Key performance indicators Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) ²	(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.	[•]
	Fax No.	[•]
10.1	The <i>Supply Manager</i> is (name):	[•]
	Address	[•]
	Tel	[•]
	Fax	[•]
	e-mail	[•]
11.2(13)	The <i>goods</i> are	Structural and Industrial Steel
11.2(13)	The <i>services</i> are	Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

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

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11.2(14)	The following matters will be included in the Risk Register	1) Delays on delivery 2) Quality of deliverables 3) Delivery of incorrect spares 4) Not submitting data Pack				
11.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.				
11.2(15)	The Supply Requirements as part of the Goods Information is in	Annexure A to this Contract Data				
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa				
13.1	The <i>language of this contract</i> is	English				
13.3	The <i>period for reply</i> is	2 days				
2	The <i>Supplier's</i> main responsibilities	Data required by this section of the core clauses is provided by the <i>Supplier</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.				
3	Time					
30.1	The <i>starting date</i> is.	[•]				
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:					
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<table><tr><td><i>goods and services</i></td><td><i>delivery date</i></td></tr><tr><td>1 Supply and delivery of Structural and Industrial Steel</td><td>As per the delivery date on each Order</td></tr></table>	<i>goods and services</i>	<i>delivery date</i>	1 Supply and delivery of Structural and Industrial Steel	As per the delivery date on each Order
<i>goods and services</i>	<i>delivery date</i>					
1 Supply and delivery of Structural and Industrial Steel	As per the delivery date on each Order					
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to the Delivery Place more than one week before the Delivery Date.					
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	1 week of the Contract Date.				
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	2 days after any deviation from the accepted delivery schedule				
4	Testing and defects					
42	The <i>defects date</i> is	52 weeks after Delivery.				
43.2	The <i>defect correction period</i> is	3 days after notification				
	except that the <i>defect correction period</i> for	Defects that affect the plant performance and defects that might contribute to loss of production				
		Defect correction period is is 24 hours				
	and the <i>defect correction period</i> for	Defects that pose a threat to the safety				

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		of people
		Defect correction period is is 12 hours
42.2	The <i>defects access period</i> is	2 days
	except that the <i>defect access period</i> for	Defects that affect the plant performance and defects that might contribute to loss of production
		Defect access period is is 24 hours
	and the <i>defect access period</i> for	Defects that pose a threat to the safety of people
		Defect access period is is 12 hours
5	Payment	
50.1	The <i>assessment interval</i> is	1 Week after each delivery
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	4 weeks after delivery
51.4	The <i>interest rate</i> is	the publicly quoted prime rate of interest (calculated on a 365 day year) charged from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and (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 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

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this Contract Data.		
8	Risks, liabilities, indemnities and insurance	
80.1	These are additional <i>Purchaser's</i> risks	None
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (zero Rand)
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	(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 (2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	The total price of the design, manufacturing, and delivery.
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 purchase order value.
88.5	The <i>end of liability date</i> is	52 Weeks after Delivery of the whole of the goods and services.
9	Termination and dispute resolution	Termination will be dealt with as per NEC3 SC termination clauses.
94.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
	Address	[•]
	Tel No.	[•]
	Fax No.	[•]
	e-mail	[•]
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering,

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		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	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee
	- if the arbitration procedure does not state who selects an arbitrator, is	of the Association of Arbitrators (Southern Africa) or its successor body.

10 Data for Option clauses

X1	Price adjustment for inflation																									
X1.1	The base date for indices is	The month prior to the enquiry closing date.																								
	The proportions used to calculate the Price Adjustment Factor are:																									
		<table> <tr> <th>proportion</th><th>linked to index for</th><th>Index prepared by</th></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>0.</td><td>[•]</td><td>[•]</td></tr> <tr> <td>15%</td><td colspan="2">non-adjustable</td></tr> <tr> <td>100%</td><td></td><td></td></tr> </table>	proportion	linked to index for	Index prepared by	0.	[•]	[•]	0.	[•]	[•]	0.	[•]	[•]	0.	[•]	[•]	0.	[•]	[•]	15%	non-adjustable		100%		
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15%	non-adjustable																									
100%																										
X2	Changes in the law																									
X2.1	A change in the law of	Republic of South Africa is a compensation event if it occurs after the Contract Date																								
X7	Delay damages																									
X7.1	Delay damages for Delivery are	1% of purchase order value per day to a maximum of 10% of the purchase order value Once the maximum is reached Z11 will come into effect.																								
X17	Low performance damages																									
X17.1	The amounts for low performance damages are:																									

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		Amount Replacement at supplier cost and a 2% deduction of item value Payment to be withheld until all documents submitted Full replacement at suppliers' cost, plus 1% deduction from item value	performance level Quality Defects- Failed dimensional or visual inspection Documentation Delivery Any missing Documentation Packaging & Transport Packaging not suitable for heavy industrial handling
X20	Key Performance Indicators	Annexure [A] to this Contract Data	
X20.1	The <i>incentive schedule</i> for Key Performance Indicators is in	No incentive schedules No incentives will be paid out for Key performance indicators. KPI's are there to monitor performance of this contract Key performance indicators table is in appendix B of this contract document	
X20.2	A report of performance against each Key Performance Indicator is provided at intervals of	Six (6) months	
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.

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- 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:

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- 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

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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

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

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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

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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.

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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 <i>Purchaser's</i> 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.

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Annexure A: Supply Requirements

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

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2010³ as follows:

Group	Category	Term	Delivery Place
	Delivery Cost Included	DCI	<i>Employer's stores</i>

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

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

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

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

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

³ International Chamber of Commerce, Incoterms 2010, Paris, January 2011

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The Supply Requirements for this contract are as follows:

1. The requirements for the supply are	As stated in the contract goods information	
2. The requirements for transport are	As stated in the contract goods information	
3. The delivery place is	Tutuka Power Station Stores(receiving)	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	Supplier
	Checking packing and marking before dispatch	Supplier
	Contracting for transport	Supplier
	Pay costs of transport	Included in tendered rates
	Arrange access to delivery place	Purchaser
	Loading the <i>goods</i>	Supplier
	Unloading the <i>goods</i>	As stated in the contract goods information
For international procurement	Undertake export requirements	Supplier
	Undertake import requirements	Supplier
5. Information to be provided by the Supplier	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

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C1.2 Contract Data

Part two - Data provided by the *Supplier*.

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 , (in words)								
11.2(12)	The <i>price schedule</i> is in:									
11.2(14)	The following matters will be included in the Risk Register									
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><tr><th><i>goods and services</i></th><th><i>delivery date</i></th></tr><tr><td>1</td><td>[•]</td></tr><tr><td>2</td><td>[•]</td></tr><tr><td>3</td><td>[•]</td></tr></table>	<i>goods and services</i>	<i>delivery date</i>	1	[•]	2	[•]	3	[•]
<i>goods and services</i>	<i>delivery date</i>									
1	[•]									
2	[•]									
3	[•]									
31.1	The programme identified in the Contract Data is contained in:									
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%								

PART 2: PRICING DATA

NEC3 Supply Contract

Document reference	Title
C2.1	Pricing assumptions
C2.2	The <i>price schedule</i>

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C2.1 Pricing assumptions

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
		- 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>. Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.

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.

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.

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;

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- 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.

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.

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C2.2 the *price schedule*

Item	Material	Description	UOM	Rate
1	0000651	UNION PIPE:20 MM; FBSP; GI	EA	
2	0000652	UNION PIPE:25;FPT;STEEL GALV;SABS 763	EA	
3	0000653	UNION PIPE:15 MM;FPT;STL GALV;SABS 763	EA	
4	0000654	PLUG PIPE:15 MM;SQ;BSP;STL GALV	EA	
5	0000655	PLUG PIPE:20 MM;SQ;THD;STL GALV	EA	
6	0000656	PLUG PIPE:25 MM;SQ;THD;STL GALV	EA	
7	0000659	COUPLING PIPE:15 MM;FBPT;STL GALV	EA	
8	0000660	COUPLING PIPE:20 MM;FPT;MI GALV;SABS 763	EA	
9	0000661	COUPLING PIPE:25 MM;FPT;MI GALV;SOCKET	EA	
10	0000662	ELBOW PIPE:15 MM;FNPT;90 DEG;SHORT	EA	
11	0000663	ADAPTOR PIPE:20 MM;NPT;15 MM;FNPT	EA	
12	0000664	BEND, PIPE:OD 20 MM;NPT X FNPT;90 DEG	EA	

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13	0000665	BEND, PIPE:OD 15 MM;NPT X FNPT;90 DEG	EA	
14	0017079	BAR FLAT:WD 25 MM;LG 6 M;THK 6 MM;EN43A	KG	
15	0017081	BAR FLAT:WD 40 MM;LG 6 M;THK 6 MM;43A	KG	
16	0017082	BAR FLAT:WD 50 MM;LG 6 M;THK 6 MM;EN43A	KG	
17	0017083	BAR FLAT:WD 80 MM;LG 6 M;THK 6 MM;43A	KG	
18	0017084	BAR FLAT:WD 100 MM;LG 6 M;THK 6 MM;EN43A	KG	
19	0017085	BAR FLAT:WD 25 MM;LG 6 M;THK 10 MM;EN43A	KG	
20	0017086	BAR FLAT:WD 40 MM;LG 6 M;THK 10 MM;EN43A	KG	
21	0017087	BAR FLAT:WD 65 MM;LG 6 M;THK 10 MM;EN43A	KG	
22	0017088	BAR FLAT:WD 100 MM;LG 6 M;THK 10 MM;7.85	KG	
23	0017090	BAR FLAT:WD 25 MM;LG 6 M;THK 12 MM;EN43A	KG	
24	0017092	BAR FLAT:WD 40 MM;LG 6 M;THK 12 MM;EN43A	KG	
25	0017093	BAR FLAT:WD 50 MM;LG 6 M;THK 12 MM;EN43A	KG	
26	0017099	BAR RD:6 MM;EN43A;MS BS 4360;HOT ROLLED	KG	
27	0017100	BAR RD:10 MM;EN43A;MS BS 4360;LG 6 M	KG	

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28	0017101	BAR RD:12 MM;EN43A;MS BS 4360;LG 6 M	KG	
29	0017102	BAR RD:16 MM;EN43A;MS BS 4360;LG 6 M	KG	
30	0017103	BAR RD:20 MM;EN43A;MS BS 4360;LG 6 M	KG	
31	0017104	BAR RD:25 MM;EN43A;MS BS 4360;LG 6 M	KG	
32	0017105	BAR RD:32 MM;43;MS BS 4360;LG 6 M;6.31	KG	
33	0017108	BAR FLAT:WD 50 MM;LG 6 M;THK 8 MM;EN43A	KG	
34	0017110	BAR FLAT:WD 80 MM;LG 6 M;THK 10 MM;EN43A	KG	
35	0017117	BAR RD:8 MM;EN43A;MS BS 4360;LG 6 M;0.39	KG	
36	0017120	BAR FLAT:WD 50 MM;LG 6 M;THK 10 MM;43A	KG	
37	0017121	BAR FLAT:WD 100 MM;LG 6 M;THK 12 MM;9.42	KG	
38	0017126	BAR FLAT:WD 65 MM;LG 6 M;THK 6 MM;43A;3	KG	
39	0017127	BAR FLAT:WD 40 MM;LG 6 M;THK 8 MM;43A	KG	
40	0017128	BAR FLAT:WD 65 MM;LG 6 M;THK 12 MM;43A	KG	
41	0017129	BAR FLAT:WD 40 MM;LG 6 M;THK 16 MM;43A	KG	
42	0017140	PLATE MTL:CS;4.6;HOT ROLLED;148.64 KG	KG	

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43	0017142	PLATE MTL:MS BS 4360, SABS 1431;188.4 KG	KG	
44	0017143	PLATE MTL:MS;EN43A;BS 4360-1972 TABLE 6	KG	
45	0017144	PLATE MTL:MS BS 4360;EN43A;HOT ROLLED	KG	
46	0017145	SHEET MTL:WD 1.225 M;LG 2.45 M;THK 3 MM	KG	
47	0017147	PLATE MTL:MS BS 4360, SABS 1431;141.3 KG	KG	
48	0017148	PLATE MTL:MS SABS 1431;300WA EN43A;376.8	KG	
49	0017150	PLATE MTL:MS BS 4360, SABS 1431;753.6 KG	KG	
50	0017151	SHEET MTL:WD 1.2 M;LG 2.4 M;THK 1.6 MM	KG	
51	0017154	BAR FLAT:WD 40 MM;LG 6 M;THK 5 MM;43A	KG	
52	0017156	BAR FLAT:WD 30 MM;LG 6 M;THK 5 MM;EN43A	KG	
53	0017174	ANGLE STRCTRL:40 MM;6 MM;LG 6 M;MS;3.52	KG	
54	0017175	ANGLE STRCTRL:50 MM;6 MM;LG 6 M;MS;4.47	KG	
55	0017176	CHANNEL STRCTRL:WD 76 MM;LG 6 M;HT 152	KG	
56	0017177	CHANNEL STRCTRL:WD 50 MM;LG 6 M;HT 100	KG	
57	0017178	ANGLE STRCTRL:90 MM;10 MM;LG 6 M;CS;13.4	KG	

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58	0017179	ANGLE STRCTRL:25 MM;3 MM;LG 6 M;MS;1.11	KG	
59	0017181	ANGLE STRCTRL:40 MM;5 MM;LG 6 M;MS;2.97	KG	
60	0017183	ANGLE STRCTRL:100 MM;10 MM;LG 6 M;CS;15	KG	
61	0017186	ANGLE STRCTRL:150 X 90 MM;10 MM;LG 6 M	KG	
62	0017188	CHANNEL STRCTRL:WD 38 MM;LG 6 M;HT 76 MM	KG	
63	0017191	ANGLE STRCTRL:25 MM;5 MM;LG 6 M;MS;1.77	KG	
64	0017192	ANGLE STRCTRL:30 MM;5 MM;LG 6 M;MS;2.18	KG	
65	0017193	ANGLE STRCTRL:50 MM;5 MM;LG 6 M;CS;3.77	KG	
66	0017194	ANGLE STRCTRL:50 MM;8 MM;LG 6 M;MS;5.82	KG	
67	0017196	ANGLE STRCTRL:70 MM;6 MM;LG 6 M;CS;6.38	KG	
68	0017197	ANGLE STRCTRL:60 MM;6 MM;LG 6 M;CS;5.42	KG	
69	0017198	ANGLE STRCTRL:80 MM;6 MM;LG 6 M;MS;7.34	KG	
70	0017199	ANGLE STRCTRL:70 MM;10 MM;LG 6 M;MS;10.3	KG	
71	0017202	BAR RD:10 MM;CU SABS 182;LG 6 M	KG	
72	0036199	PLATE WEAR:SS GR 10/200;LINERS	EA	

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73	0038364	GRATING:CATWALK;WD 1.2 X LG 2.4 M;STL	EA	
74	0038365	GRATING:CATWALK;WD 1.2 X LG 2.4 M;STL	EA	
75	0038442	ANGLE STRCTRL:10 MM;LG 772 MM;STL	EA	
76	0044327	PLATE WEAR:ID 150 X OD 430 X THK 100 MM	EA	
77	0054979	PIPE MTLC:15 MM;STL;LG 6 M;3.2 MM	M	
78	0054980	PIPE MTLC:20 MM;STL SABS 62;LG 6 M;2.87	M	
79	0054981	PIPE MTLC:ID 25 X OD 34 MM;STL;LG 6 M	M	
80	0054985	PIPE MTLC:80 MM;STL;LG 6 M;4.8 MM;WELDED	M	
81	0054987	PIPE MTLC:20 MM;STL GALV;LG 6.7 M	M	
82	0054988	PIPE MTLC:40 MM;STL GALV;LG 6 M;4 MM	M	
83	0054989	PIPE MTLC:50 MM;STL GALV;LG 6 M;3.65 MM	M	
84	0054992	PIPE MTLC:150 MM;CS;LG 6.1 M;5.4 MM	M	
85	0054997	PIPE MTLC:34 MM;MS GALV;LG 6 M;2.8 MM	M	
86	0055011	PIPE MTLC:32 MM;STL GALV;LG 6 M;4.05 MM	M	
87	0055270	PIPE MTLC:50 MM;STL	EA	

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88	0055312	PIPE MTLC:ID 4 IN X OD 114.3 MM;SS;LG 6	M	
89	0055313	PIPE MTLC:ID 80 X OD 88.9 MM;SS;LG 6 M	M	
90	0055314	PIPE MTLC:ID 54.4 X OD 60.4 MM;SS;LG 6 M	M	
91	0055315	PIPE MTLC:ID 26.4 X OD 33.4 MM;SS;3.6 MM	M	
92	0055516	PIPE MTLC:100 MM;STL;LG 6 M;5.4 MM	M	
93	0055517	PIPE MTLC:125 MM;STL;LG 6 M;5.4 MM	M	
94	0055520	PIPE MTLC:ID 15 X OD 21.03 MM;SS;LG 6 M	M	
95	0055644	PIPE MTLC:CR13MO44;LG 6 M;6.3 MM;PLAIN	M	
96	0055645	PIPE MTLC:60.3 MM;CR13MO44;LG 6 M;3.6 MM	M	
97	0057099	PLUG PIPE:8 MM;SQ;BSP;STL;4.6;BS 1740	EA	
98	0057100	PLUG PIPE:10 MM;SQ;NPT;STL;4.6;BS 1740	EA	
99	0057108	ADAPTOR PIPE:20 MM;BSP;8 MM;FBSP;MI	EA	
100	0057109	ADAPTOR PIPE:20 MM;BSP;10 MM;FBSP;MI	EA	
101	0057110	ADAPTOR PIPE:20 MM;BSP;15 MM;FBSP;MI	EA	
102	0057112	ADAPTOR PIPE:25 MM;NPT;10 MM;FPT;MI GALV	EA	

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103	0057113	ADAPTOR PIPE:25 MM;BSP;15 MM;FBSP;MI	EA	
104	0057114	ADAPTOR PIPE:25 MM;BSP;20 MM;FBSP;MI	EA	
105	0057115	ADAPTOR PIPE:32 MM;NPT;20 MM;FPT;MI	EA	
106	0057116	REDUCER PIPE:BUSH;40 X 20 MM;BSP X FBSP	EA	
107	0057117	ADAPTOR PIPE:40 MM;BSP;25 MM;FBSP;MI	EA	
108	0057119	ADAPTOR PIPE:50 MM;BSP;25 MM;FBSP;MI	EA	
109	0057124	COUPLING PIPE:6 MM;FPT;STL;SABS 62	EA	
110	0057125	COUPLING PIPE:8 MM;FPT;STL;SABS 62	EA	
111	0057126	COUPLING PIPE:10 MM;FPT;STL;SABS 62-1971	EA	
112	0057127	COUPLING PIPE:15 MM;FPT;STL;SABS 62-1971	EA	
113	0057128	COUPLING PIPE:20 MM;FPT;STL;SABS 62-1971	EA	
114	0057129	COUPLING PIPE:25 MM;FPT;STL;SABS 1740	EA	
115	0057130	COUPLING PIPE:32 MM;FPT;STL;SABS 62	EA	
116	0057131	COUPLING PIPE:40 MM;FPT;STL;SABS 62-1971	EA	
117	0057132	COUPLING PIPE:50 MM;FPT;STL;SABS 62-1971	EA	

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118	0057133	COUPLING PIPE:65 MM;FPT;STL;SABS 62	EA	
119	0057134	COUPLING PIPE:80 MM;FNPT;STL;SOCKET	EA	
120	0057135	COUPLING PIPE:100 MM;FPT;STL;SABS 62	EA	
121	0057138	PLUG PIPE:50 MM;SQ;NPT;STL;BS S1740	EA	
122	0057139	PLUG PIPE:32 MM;SQ;NPT;STL;BS S1740	EA	
123	0057140	PLUG PIPE:40 MM;SQ;NPT;STL;BS 1740-1965	EA	
124	0057168	REDUCER PIPE:CONCENTRIC;25 X 10 MM;FPT	EA	
125	0057169	REDUCER PIPE:CONCENTRIC;40 X 25 MM;NPT	EA	
126	0057171	REDUCER PIPE:CONCENTRIC;20 X 15 MM;FPT	EA	
127	0057172	REDUCER PIPE:CONCENTRIC;15 X 10 MM;FPT	EA	
128	0057174	REDUCER PIPE:CONCENTRIC;25 X 20 MM;FPT	EA	
129	0057177	REDUCER PIPE:CONCENTRIC BELL;50 X 25 MM	EA	
130	0057179	REDUCER PIPE:CONCENTRIC BELL;25 X 15 MM	EA	
131	0057181	REDUCER PIPE:CONCENTRIC;10 X 8 MM;NPT	EA	
132	0057185	ADAPTOR PIPE:50 MM;BSP;20 MM;FBSP;MI	EA	

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133	0057188	REDUCER PIPE:CONCENTRIC;20 X 10 MM;FNPT	EA	
134	0057191	ADAPTOR PIPE:15 MM;BSP;8 MM;FBSP;MI	EA	
135	0057192	ADAPTOR PIPE:10 MM;BSP;8 MM;FBSP;MI	EA	
136	0057194	BEND, PIPE:OD 8 MM;SOCKET X NPT;STL;90	EA	
137	0057195	BEND, PIPE:OD 10 MM;SW X NPT;STL;90 DEG	EA	
138	0057196	BEND, PIPE:OD 15 MM;MNPT;STL;90 DEG;LONG	EA	
139	0057197	BEND, PIPE:OD 20 MM;MNPT;STL;90 DEG;LONG	EA	
140	0057198	BEND, PIPE:OD 25 MM;SW X NPT;STL;90 DEG	EA	
141	0057199	BEND, PIPE:OD 32 MM;MNPT;STL;90 DEG;LONG	EA	
142	0057201	BEND, PIPE:OD 50 MM;SW X NPT;STL;90 DEG	EA	
143	0057203	BEND, PIPE:OD 80 MM;NPT X FNPT;STL;90	EA	
144	0057207	ELBOW PIPE:6 MM;FNPT;STL 13CRMO44 BS1740	EA	
145	0057208	ELBOW PIPE:8 MM;FNPT;STL BS 1740;90 DEG	EA	
146	0057209	ELBOW PIPE:10 MM;FNPT;STL 13CRMO44;90	EA	
147	0057211	ELBOW PIPE:20 MM;FNPT;STL BS 1740;90 DEG	EA	

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148	0057212	ELBOW PIPE:25 MM;FNPT;BS 1740;90 DEG	EA	
149	0057213	ELBOW PIPE:32 MM;FNPT;90 DEG;SHORT	EA	
150	0057214	ELBOW PIPE:40 MM;FNPT;STL BS 1740;90 DEG	EA	
151	0057215	ELBOW PIPE:50 MM;FNPT;STL BS 1740;90 DEG	EA	
152	0057220	BEND, PIPE:OD 25 MM;NPT X FNPT;90 DEG	EA	
153	0057221	ELBOW PIPE:20 MM;FNPT;STL GALV;90 DEG	EA	
154	0057222	ELBOW PIPE:25 MM;FNPT;MI GALV;90 DEG	EA	
155	0057225	ELBOW PIPE ADPTR:50 MM;NPT;FPT;MI GALV	EA	
156	0057226	ELBOW PIPE:50 MM;FNPT;MI GALV;90 DEG	EA	
157	0057228	ELBOW PIPE:40 MM;FNPT;MI GALV;90 DEG	EA	
158	0057233	ADAPTOR PIPE:32 MM;BSP;15 MM;FBSP;MI	EA	
159	0057240	ADAPTOR PIPE:50 MM;NPT;25 MM;FPT	EA	
160	0057243	REDUCER PIPE:BUSH;38 X 20 MM;BSP X FBSP	EA	
161	0057247	ADAPTOR PIPE:25 MM;BSP;20 MM;FBSP	EA	
162	0057271	PLUG PIPE:6 MM;SQ;BSP;STL;BS 1740	EA	

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163	0057272	PLUG PIPE:15 MM;SQ;PT;STL;B;BS 1740	EA	
164	0057273	PLUG PIPE:20 MM;SQ;NPT;STL;BS S1740	EA	
165	0057274	PLUG PIPE:25 MM;SQ;NPT;STL	EA	
166	0057275	PLUG PIPE:50 MM;SQ;NPT;IRON GALV;B	EA	
167	0057286	UNION PIPE:50 MM;FPT;STL;SABS 763	EA	
168	0057289	UNION PIPE:8;FPT;STL;4830 KPA;BS 1940;B	EA	
169	0057290	UNION PIPE:10;FPT;STL	EA	
170	0057291	UNION PIPE:40 MM;FBSP;MI GALV;SABS 763;B	EA	
171	0057294	UNION PIPE:50 MM;FPT;STL;BS S1740-1971	EA	
172	0057295	UNION PIPE:40 MM;FPT;STL;BS 1740;4.6	EA	
173	0057297	UNION PIPE:20 MM;FBSP;STL;BS 1740	EA	
174	0057298	UNION PIPE:25 MM;FNPT;STL;BS 1740-1971	EA	
175	0057302	COUPLING PIPE:40 MM;FBPT;STL GALV	EA	
176	0057304	COUPLING PIPE:50 MM;FNPT;STL GALV;SOCKET	EA	
177	0057387	BEND, PIPE:OD 32 MM;NPT X FNPT;90 DEG	EA	

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178	0057402	FLANGE PIPE:THD NECK;40 MM;STL;RF;4.6	EA	
179	0057403	FLANGE PIPE:THD NECK;32 MM;STL;RF;4.6	EA	
180	0057405	FLANGE PIPE:THD COMPANION;20 MM;STL	EA	
181	0057411	FLANGE PIPE:COMPANION THD;STL A105;20	EA	
182	0057412	FLANGE PIPE:COMPANION THD;STL;215.9 MM	EA	
183	0057413	FLANGE PIPE:COMPANION SCREWED;80 MM;STL	EA	
184	0057414	FLANGE PIPE:COMPANION SCREWED;50 MM;MS;4	EA	
185	0057415	FLANGE PIPE:COMPANION THD;STL;279.4 MM	EA	
186	0057460	FLANGE PIPE:COMPANION THD;40 MM;STL;BF	EA	
187	0057461	FLANGE PIPE:THD NECK;50 MM;MS;RF;165 MM	EA	
188	0058252	COUPLING PIPE:200 MM;BOLTED;CI	EA	
189	0058507	UNION PIPE:32;SOCKET SLIP ON;PVC	EA	
190	0058510	ELBOW PIPE:32 MM;PLAIN;PVC;90 DEG;SHORT	EA	
191	0058513	ELBOW PIPE:20 MM;PLAIN;PVC;90 DEG;SHORT	EA	
192	0058517	COUPLING PIPE:63 MM;SLIP ON;PVC;1600 KPA	EA	

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193	0058606	FLANGE PIPE:WELD NECK;50 MM;SS;SCH 10;RF	EA	
194	0058764	FLANGE PIPE:WELD ON;50 MM;SS;FF;316L;127	EA	
195	0058797	ELBOW PIPE:ID 50 MM;BW;SS;90 DEG;LONG;40	EA	
196	0058843	ELBOW PIPE:32 MM;SOCKET FUSION;PVC;90;10	EA	
197	0058935	FLANGE PIPE:220 MM;SS;316L;8;340 MM	EA	
198	0058937	FLANGE PIPE:WELD NECK;100 MM;SS;RF;316L	EA	
199	0059003	PLUG PIPE:3/8 IN;SQ;NPT;SS;316	EA	
200	0059038	UNION PIPE:1-1/2 IN;FBSP;SS;316	EA	
201	0059092	UNION PIPE:1-1/2 IN;FBSP;SS;316	EA	
202	0059093	UNION PIPE:3/4 IN;FBSP;SS;316	EA	
203	0059168	FLANGE PIPE:55 MM;BRS;160 MM;8;200 MM	EA	
204	0059383	PLUG PIPE:1/4 IN;HEX;THD;SS;SS400-P	EA	
205	0059384	PLUG PIPE:3/8 IN;HEX;THD;SS;SS600-P	EA	
206	0059387	PLUG PIPE:10 MM;HEX;THD;SS;SS10M0-P	EA	
207	0059595	BEND, PIPE:OD 35 MM;STL;90 DEG	EA	

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208	0059903	COUPLING PIPE:20 MM;COMPRESSION	EA	
209	0061207	COUPLING PIPE:750 MM;BOLTED;STL	EA	
210	0061756	UNION PIPE:3/4 IN;SW;STL	EA	
211	0061771	ADAPTOR PIPE:3 IN;NPT;2 IN;FPT;MI GALV	EA	
212	0086466	REDUCER PIPE:STUD;29 X 25 MM;NPT;SS	EA	
213	0086523	BAR RD:6 MM;43;MS BS 4360;LG 1 M	EA	
214	0086560	BAR RD:24 MM;43;MS BS 4360;LG 250 MM	EA	
215	0087379	COUPLING PIPE:3/4 IN;14BSP	EA	
216	0090541	PIPE MTLC:30 MM;SS;LG 445 MM;SEAMLESS	EA	
217	0113061	PLATE MTL:STL;THK 22 MM;WD 42 MM;LG 50	EA	
218	0135297	BAR RD:75 MM;TUFNOL;LG 1.2 M;7 KG/M	KG	
219	0136071	BAR RD:50 MM;TUFNOL;LG 1 M;2 KG/M	KG	
220	0143924	BAR FLAT:WD 16 MM;LG 1.9 M;THK 5 MM;STL	EA	
221	0161950	BAR RD:12 MM;EN3B;LG 6 M;HOT ROLLED;0.88	KG	
222	0161953	BAR RD:25 MM;EN3B;MS BS 970;LG 6 M;3.85	KG	

Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

223	0161955	BAR RD:32 MM;EN3B;STL BS 970;LG 6 M;6.31	KG	
224	0161957	BAR RD:50 MM;EN3B;LG 6 M;HOT ROLLED;15.4	KG	
225	0161958	BAR RD:65 MM;EN3B;MS BS 970 PART 1;LG 6	KG	
226	0161960	BAR RD:76 MM;EN3B;LG 3 M;HOT ROLLED;37	KG	
227	0161962	BAR RD:EN3B;STL 070M20 BS970 PART 1;LG 2	KG	
228	0161967	BAR FLAT:WD 80 MM;LG 6 M;THK 12 MM;EN43A	KG	
229	0162008	BAR RD:20 MM;EN3B;LG 6 M;HOT ROLLED;2.46	KG	
230	0162058	BAR RD:75 MM;316;SS BS 970;LG 3 M;35.5	KG	
231	0162075	BAR RD:40 MM;EN3B;LG 6 M;9.865 KG/M	KG	
232	0162082	BAR FLAT:WD 25 MM;LG 3 M;THK 6 MM;SS;304	KG	
233	0162085	BAR FLAT:WD 60 MM;LG 6 M;THK 10 MM;43A	KG	
234	0162086	BAR FLAT:WD 60 MM;LG 3 M;THK 6 MM;SS;310	KG	
235	0162087	BAR FLAT:WD 150 MM;LG 6 M;THK 8 MM;43A	KG	
236	0162088	BAR FLAT:WD 130 MM;LG 6 M;THK 8 MM;43A	KG	
237	0162092	BAR FLAT:WD 50 MM;LG 3 M;THK 6 MM;3CR12	KG	

Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

238	0162095	BAR RD:60 MM;EN3B;GR 070M20 BS 970;LG 6	KG	
239	0162096	KEY STOCK:WD 6 MM;LG 3 M;THK 6 MM;STL	EA	
240	0162097	KEY STOCK:WD 28 MM;LG 3 M;THK 50 MM;STL	EA	
241	0162098	KEY STOCK:WD 20 MM;LG 3 M;THK 36 MM;STL	EA	
242	0162100	KEY STOCK:WD 30 MM;LG 3 M;THK 30 MM;STL	EA	
243	0162101	KEY STOCK:WD 25 MM;LG 3 M;THK 25 MM;STL	EA	
244	0162102	KEY STOCK:WD 16 MM;LG 3 M;THK 16 MM;STL	EA	
245	0162103	KEY STOCK:WD 12 MM;LG 3 M;THK 12 MM;STL	EA	
246	0162104	KEY STOCK:WD 10 MM;LG 3 M;THK 10 MM;STL	EA	
247	0162106	BAR RD:30 MM;EN3B;13CRMO44;LG 6 M;5.5	KG	
248	0162113	KEY STOCK:WD 8 MM;LG 3 M;THK 10 MM;STL	EA	
249	0162128	BAR RD:160 MM;EN3B;LG 3 M;HOT ROLLED;160	KG	
250	0162201	KEY STOCK:WD 15.8 MM;LG 3 M;THK 15.8 MM	KG	
251	0162202	KEY STOCK:WD 12.7 MM;LG 4 M;THK 12.7 MM	KG	
252	0162203	KEY STOCK:WD 25.4 MM;LG 3 M;THK 25.4 MM	KG	

Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

253	0162231	BAR RD:30 MM;EN3B;LG 6 M;HOT ROLLED	KG	
254	0162240	BAR RD:6 MM;S15;SS BS 970-972 PART 4	KG	
255	0162248	BAR RD:25 MM;316;SS BS 970;LG 6 M;1.305	KG	
256	0162249	BAR RD:32 MM;316; S16;SS BS 970-1972	KG	
257	0162250	BAR RD:50 MM;316;SS BS 970;LG 3 M;6.43	KG	
258	0162260	KEY STOCK:WD 20 MM;LG 3 M;THK 20 MM;STL	EA	
259	0162358	PLATE MTL:MS BS 4360, SABS 1431;589 KG	KG	
260	0162359	PLATE MTL:MS;EN43A;BS 4360-1972 TABLE 6	KG	
261	0162366	SHEET MTL:WD 915 MM;LG 1.83 M;THK 0.6 MM	EA	
262	0162400	SHEET MTL:WD 1.5 M;LG 3 M;THK 3 MM	KG	
263	0162433	PLATE WEAR:STL HIGH CARBON SPECIAL	EA	
264	0162434	PLATE WEAR:STL HIGH CARBON SPECIAL	EA	
265	0162439	PLATE MTL:3CR12;HOT ROLLED;141 KG;3CR-12	KG	
266	0162451	PLATE MTL:SS ASTM A240;310;HOT ROLLED	KG	
267	0162453	PLATE MTL:SS;304;HOT ROLLED;153 KG	KG	

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268	0162459	PLATE MTL:SS;310;THK 8 MM;WD 1 M;LG 3 M	KG	
269	0162460	PLATE MTL:VRN500;CHUTE;760 KG	EA	
270	0162464	PLATE MTL:15MO3;THK 6 MM;WD 2 M;LG 4 M	KG	
271	0162466	SHIM STCK:THK 1 MM;WD 610 MM X LG 10 M	M	
272	0162467	SHIM STCK:THK 0.25 MM;WD 610 MM X LG 5 M	M	
273	0162468	SHIM STCK:THK 0.05 MM;SS GR 316	M	
274	0162469	SHIM STCK:THK 0.15 MM;SS GR 316	M	
275	0162470	SHIM STCK:THK 0.3 MM;WD 610 MM X LG 10 M	M	
276	0162472	SHIM STCK:THK 0.2 MM;WD 610 MM X LG 10 M	M	
277	0162475	SHIM STCK:THK 0.38 MM;WD 305 MM	M	
278	0162476	SHIM STCK:THK 0.4 MM;WD 610 MM X LG 10 M	M	
279	0162478	SHIM STCK:THK 0.7 MM;WD 610 MM X LG 10 M	M	
280	0162479	SHIM STCK:THK 0.1 MM;WD 610 MM X LG 10 M	M	
281	0162481	SHEET MTL:WD 1.2 M;LG 2.4 M;THK 2 MM	M2	
282	0162482	SHEET MTL:WD 415 MM;LG 1 M;COLD ROLLED	M2	

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283	0162497	SHEET MTL:WD 1.25 M;LG 2.5 M;THK 1.6 MM	KG	
284	0162499	PLATE MTL:MS;EN43A;BS 4360-1972 TABLE 6	KG	
285	0162576	PLATE MTL:15MO3;HOT ROLLED;360 KG	KG	
286	0162645	BAR RD:25 MM;CU SABS 182;LG 3 M;ANNEALED	KG	
287	0162650	BAR RD:13 MM;CZ121;BRS BS 249;LG 6 M	KG	
288	0162652	BAR RD:19 MM;CZ121;BRS BS 249;LG 6 M	KG	
289	0162654	BAR RD:25 MM;CZ121;BRS BS 249;LG 6 M	KG	
290	0162656	BAR RD:50 MM;CZ121;BRS BS 249;LG 3 M	KG	
291	0162657	BAR RD:76 MM;CZ121;BRS BS 249;LG 2 M;39	KG	
292	0162667	BAR RD:38 MM;CU SABS 182-1968;LG 6 M	KG	
293	0162678	BAR RD:20 MM;CU SABS 182-1968;LG 4 M	KG	
294	0162679	BAR RD:50 MM;CU SABS 182-1968;LG 500 MM	KG	
295	0162680	BAR RD:64 MM;CU;LG 1 M;ANNEALED;30 KG/M	KG	
296	0162682	BAR RD:12 MM;CU;LG 3 M;1.1 KG/M;SABS 182	KG	
297	0162713	BAR RD:76.2 MM;PB1C;LG 2 M;41.05 KG/M	KG	

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298	0162714	BAR RD:128 MM;BRZ PHOSPHOR BS 1400	KG	
299	0162715	BAR RD:154 MM;BRZ PHOSPHOR SABS 202	KG	
300	0162718	BAR RD:230 MM;PB1;LG 250 MM	KG	
301	0162736	BAR RD:38 MM;CZ121;BRS BS 249;LG 4 M	KG	
302	0162757	BAR RD:38 MM;BRZ PHOSPHOR;LG 165 MM	KG	
303	0162817	SHIM STCK:THK 0.072 MM;WD 152 MM;BRS	KG	
304	0162818	SHIM STCK:THK 0.101 MM;WD 150 MM;BRS	KG	
305	0162821	SHIM STCK:THK 0.254 MM;WD 152 MM;BRS	KG	
306	0162843	SHIM STCK:THK 0.15 MM;WD 150 MM	M	
307	0222771	ADAPTOR PIPE:50 MM;NPT;25 MM;FPT;MI GALV	EA	
308	0222772	ADAPTOR PIPE:32 MM;NPT;15 MM;FPT;MI GALV	EA	
309	0222774	ADAPTOR PIPE:15 MM;NPT;8 MM;FPT;MI GALV	EA	
310	0222813	REDUCER PIPE:BUSH;100 X 75 MM;STL	EA	
311	0222814	REDUCER PIPE:BUSH;25 X 20 MM;GALV	EA	
312	0227371	SHIM STCK:THK 0.38 MM;WD 152 MM;BRS	KG	

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313	0227372	SHIM STCK:THK 0.5 MM;WD 152 MM;BRS	KG	
314	0227373	SHIM STCK:THK 0.75 MM;WD 152 MM;BRS	KG	
315	0227374	SHIM STCK:THK 0.65 MM;WD 152 MM;BRS	KG	
316	0251233	PIPE MTLC:ID 500 MM;LG 6-10 M;15.5 MM;BW	M	
317	0578671	PIPE MTLC:ID 438 MM;10CRM09-10 (1.7380)	M	
318	0578673	PIPE MTLC:ID 470 MM;LG 6-11.8 M;70 MM	M	
319	0578674	PIPE MTLC:ID 990 MM;10CRM0910 1.7380;540	M	
320	0578676	PIPE MTLC:ID 245 MM;10CRM0910 1.7380;80	M	
321	0578677	PIPE MTLC:ID 446 MM;10CRM09-10 (1.7380)	M	
322	0578678	PIPE MTLC:ID 245 MM;LG 6-11.8 M;60 MM;17	M	
323	0578679	BAR RD:OD 270 MM;X20CRM0910-1 (1.4922)	M	
324	0578680	PIPE MTLC:ID 460 MM;LG 6-11.8 M;57 MM;17	M	
325	0578681	PIPE MTLC:ID 290.5 MM;LG 6-11.8 M;15.2	M	
326	0578682	PIPE MTLC:ID 500 MM;LG 6-11.8 M;18 MM;17	M	
327	0578683	PIPE MTLC:ID 250 MM;LG 6-11.8 M;59 MM;17	EA	

Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

328	0632361	GRATING:CATWALK;WD 1.2 X LG 2.4 M;40 X 6	EA	
329	0662187	FLANGE PIPE:1CES032X039001-1;BUTTWELD;SS	EA	
330	0662857	BAR FLAT:WD 570 MM;LG 1.36 M;THK 50 MM	EA	
331	0665171	PIPE MTLC:25 MM;SS 1.4539;LG 6 M;4.55 MM	M	
332	0665172	PIPE MTLC:50 MM;SS 1.4539;LG 6 M;3.91 MM	M	
333	0665173	PIPE MTLC:80 MM;SS 1.4539;LG 6 M;5.49 MM	M	
334	0665174	PIPE MTLC:100 MM;SS 1.4539;LG 6 M;6.02	M	
335	0665178	FLANGE PIPE:SLIP ON;33.7 MM;25 MM;SS;16	EA	
336	0665185	FLANGE PIPE:SLIP ON;60.3 MM;50 MM;SS;16	EA	
337	0665187	FLANGE PIPE:SLIP ON;88.9 MM;80 MM;SS;16	EA	
338	0665189	FLANGE PIPE:SLIP ON;114.3 MM;100 MM;SS;8	EA	
339	0665206	ELBOW PIPE:25 MM;SW;SS;90;10 BAR;80;904L	EA	
340	0665207	ELBOW PIPE:50 MM;BW;SS;90;LONG;10 BAR;40	EA	
341	0665208	ELBOW PIPE:80 MM;BW;SS;90;LONG;10 BAR;40	EA	
342	0665210	ELBOW PIPE:100 MM;BW;SS;90;LONG;10 BAR	EA	

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343	0674964	ELBOW PIPE:50 MM;BEVELLED ENDS;SS;90;10	EA	
344	0674969	FLANGE PIPE:FLAT FACE;60.3 MM;50 MM;SS;4	EA	
345	0674972	PIPE MTLC:50 MM;SS;LG 6 MM;3.91 MM;1000	M	
346	0683256	ADAPTOR PIPE:1/2 IN;JIC MALE;3/4 IN	EA	
347	0683258	ADAPTOR PIPE:3/4 IN;3/4 IN JIC MALE;3/4	EA	
348	0683263	ADAPTOR PIPE:1/2 IN;JIC MALE;1/2 IN	EA	
349	0683265	ADAPTOR PIPE:1/2 IN;1/2 IN JIC MALE;1/2	EA	
350	0683268	ADAPTOR PIPE:3/4 IN;3/4 IN JIC MALE;3/4	EA	
351	0683298	ELBOW PIPE ADPTR:1/2 IN;1/2 IN NPTF MALE	EA	
352	691872	BEND, PIPE: OUTSIDE DIAMETER: 13 MM; CONNECTION: FERRULE; MATERIAL: ACRILIC 12/8; DEGREE: 90; RADIUS: 2 M; TYPE: U-TUBE	EA	
353	691886	COUPLING, PIPE: SIZE: ID 336 X OD 342 MM; CONNECTION: BOLTED; MATERIAL: STEEL; RATING: 750 KPA; SPECIFICATION: (VJ); SCHEDULE: 80; GRADE: 106; STYLE: STRAIGHT; COLOR CODING: GREEN; MEDIA FOR WHICH DESIGNED: POTABLE WATER	EA	
354	697482	BENDER, TUBING: TYPE: HAND; SIZE: 12 MM; MS-HTB-12 MM, 12 MM TUBE OD, 38 MM BEND RADIUS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	

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355	722054	GRATING: TYPE: EN-9; DIMENSIONS: WD 860 X LG 910 X THK 20 MM; OPENING SIZE: 20 MM; MATERIAL: STAINLESS STEEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	
356	724511	MALE THREAD TO TUBE FITTING ADAPTER; MATERIAL: S/S; HIGH PRESSURE MALE THREAD TO FEMALE PIPE CONNECTORS ; 316 S/S IPT SERIES ADAPTER ; HIGH PRESSURE MALE THREAD TO TUBE FITTING ADAPTER TUBE ; OD 1/4 TO THREAD SIZE 9 /16 10200 PSI (702 BAR).	EA	
357	0731146	PIPE MTLC:100 MM;CAST STEEL;LG 6 MM;1;B	EA	
358	731628	CHANNEL, STRUCTURAL: WIDTH: 90 MM; LENGTH: 13 M; HEIGHT: 230 MM; MATERIAL: MILD STEEL; BASIC SHAPE STYLE: PARALLEL FLANGE; PROCESS: AS ROLLED; GRADE: S355 JR+AR; WEIGHT: 32.2 KG/M; WALL THICKNESS: 14 MM; TO BE SUPPLIED WITH 2.1 MATERIAL CERTIFICATE	EA	
359	0732916	PLATE MTL:CARBON STEEL;HOT ROLLED;150 KG	KG	
360	0747542	PIPE MTLC:NB 350 MM;CARBON STEEL;LG 6 M	EA	
361	0747543	PIPE MTLC:300NB MM;LG 6 M;10.31 MM;16;40	EA	
362	0747547	PIPE MTLC:NB 400 MM;CARBON STEEL;LG 6 M	EA	
363	0747553	PIPE MTLC:600 MM;CARBON STEEL;LG 6 M;16	EA	
364	750510	GRATING: TYPE: MILD CARBON STEEL GALVANISED; DIMENSIONS: WD 1000 X LG 480 X HT 60X THK 10 MM; OPENING SIZE: 40 X 35 MM; MATERIAL: MILD STEEL; BEARER BAR SIZE: 10 MM; SUPPLIER TO PROVIDE MATERIAL CERTIFICATION; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	

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365	756562	BAR, ROUND: NOMINAL DIAMETER: 80 MM; MATERIAL: 10CR MO; LENGTH: 1000 MM	EA	
366	758150	ANGLE, STRUCTURAL: LEG LENGTH: 70 MM; MATERIAL THICKNESS: 10 MM; LENGTH: 6 M; MATERIAL: MILD STEEL; PROCESS: HOT DIPPED GALVANISED; WEIGHT: 10.3 KG/M; SPECIFICATION: BS4360; GRADE: EN43A	KG	
	759281	BEAM: TYPE: BEAM; LENGTH: 13 M; MATERIAL: S355 JR; WIDTH: 73 MM; HEIGHT: 140 MM; THICKNESS: 73 MM; SPECIFICATION: S355 JR+AR EN 10025-2 AS ROLLED; LOAD CAPACITY: 150; MATERIAL CARTIFICATE MUST BE SUPPLIED WITH DELIVERY	EA	
367	0761054	BEND:LONG RADIUS;UST 37-2;90 DEG	EA	
368	0761055	BEND:SHORT RADIUS;UST 37-2;45 DEG	EA	
369	0761280	CHANNEL:PARALLEL FLANGE;STL	EA	
370	767425	GRATING: TYPE: STEEL; DIMENSIONS: WD 1.2 M X LG 2.4M X 4.5MM; OPENING SIZE: 40 X 4.5 MM; MATERIAL: STAINLESS STEEL; BEARER BAR SIZE: 40 MM; MATERIAL CRTIFICATE TO BE SUPPLIED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	
371	114888	POST: TYPE: HANDRAIL STANCHION; DIMENSIONS: DIA 42 MM X LG 1.04 M; MATERIAL: STL ZN CHROMATE PAINTED; REFERENCE NO: T90; PLATFORM MOUNTED, SIZE 1000MM HIGH, SUITABLE TO FIT SIZE 33.5MM OUTSIDE DIAMETER PIPE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE)	EA	
372	0759281	BEAM:BEAM;LG 13 M;S355 JR;WD 73 MM;150	EA	

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373	0762011	BEAM:BEAM;LG 13 M;STL;WD 165.1 MM;THK 41	EA	
374	0762031	BEAM:BEAM;LG 13 M;STL;WD 146.1 MM;THK 31	EA	

PART 3: SCOPE OF WORK

Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

Document reference	Title
	This cover page
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C3.2	<i>Supplier's</i> Goods Information

Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

C3.1: *PURCHASER'S* GOODS INFORMATION

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Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station

1 Overview and purpose of the goods and services

Supply, Test & Delivery of Structural and Industrial Steel on and as and when required basis for a period of 5 years.

The Contractor will be expected to provide structural steel on an as and when required basis, as per the details, specifications

2 Specification and description of the goods

As per full technical specification given on Goods Information / Price schedule Specifications (and drawing Numbers (where applicable). The *Supplier* implements a quality system and maintains the quality system until the delivery of all consumables. The system will be to the *Purchaser's* satisfaction and will be accepted prior to the signing of the *contract*. The *Supplier* will be subject to periodic audits by the *Purchaser* in order to ensure compliance with the system. Any deviations will be corrected to the *Purchaser's* satisfaction.

Technical Specifications

Material	Description	Base Unit of Measure
0000651	UNION, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: GI; SPECIFICATION: BS 1387; SABS 62	EA
0000652	UNION, PIPE: SIZE: 25; CONNECTION: FPT; MATERIAL: STEEL GALV; SPECIFICATION: SABS 763	EA
0000653	UNION, PIPE: SIZE: 15 MM; CONNECTION: FPT; MATERIAL: STL GALV; SPECIFICATION: SABS 763	EA
0000654	PLUG, PIPE: SIZE: 15 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15	EA
0000655	PLUG, PIPE: SIZE: 20 MM; HEAD: SQ; CONNECTION: THD; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15; BS 143:1952	EA
0000656	PLUG, PIPE: SIZE: 25 MM; HEAD: SQ; CONNECTION: THD; MATERIAL: STL GALV; SPECIFICATION: SABS 509-1955 TABLE 15; BS 143:1952	EA
0000659	COUPLING, PIPE: SIZE: 15 MM; CONNECTION: FBPT; MATERIAL: STL GALV	EA
0000660	COUPLING, PIPE: SIZE: 20 MM; CONNECTION: FPT; MATERIAL: MI GALV; SPECIFICATION: SABS 763; STYLE: SOCKET; 33 MM LONG	EA

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0000661	COUPLING, PIPE: SIZE: 25 MM; CONNECTION: FPT; MATERIAL: MI GALV; SPECIFICATION: SABS 509-1955 TABLE 13; STYLE: SOCKET	EA
0000662	ELBOW, PIPE: SIZE: 15 MM; CONNECTION: FNPT; MATERIAL: MI SABS 509 GALV HOT DIP; DEGREE: 90 DEG; RADIUS: SHORT	EA
0000663	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: NPT; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FNPT; MATERIAL: MI GALV; SPECIFICATION BS143/52, SABS 509/55; HEXAGON HEAD ONE END	EA

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0000664	BEND, PIPE: OUTSIDE DIAMETER: 20 MM; CONNECTION: NPT X FNPT; MATERIAL: MI SABS 509-1955 GALV HOT DIP; DEGREE: 90 DEG; RADIUS: LONG	EA
0000665	BEND, PIPE: OUTSIDE DIAMETER: 15 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV HOT DIP SABS 763; DEGREE: 90 DEG; RADIUS: LONG	EA
0017079	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~BAR,FLAT;25 MM,LG 6 M,6 MM,MS BS4360; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017081	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).	KG
0017082	BAR, FLAT: WIDTH: 50 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 2.36 KG/M; 14.16 KG/LENGTH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG

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0017083	BAR, FLAT: WIDTH: 80 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 3.77 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017084	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 (IF APPLICABLE).	KG
0017085	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).	KG
0017086	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 REVISION NUMBER (IF APPLICABLE).	KG
0017087	BAR, FLAT: WIDTH: 65 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 5.1 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017088	BAR, FLAT: WIDTH: 100 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 7.85 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017090	BAR, FLAT: WIDTH: 25 MM; LENGTH: 6 M; THICKNESS: 12 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 2.36 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017092	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 12 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 3.77 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017093	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).	KG
0017099	BAR, ROUND: NOMINAL DIAMETER: 6 MM; GRADE: EN43A; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; WEIGHT: 0.22 KG/M	KG

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0017100	BAR, ROUND: NOMINAL DIAMETER: 10 MM; GRADE: EN43A; MATERIAL: MS BS 4360; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 0.62 KG/M; 3.72 KG/LENGTH	KG
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0017101	BAR, ROUND: NOMINAL DIAMETER: 12 MM; GRADE: EN43A; MATERIAL: MS BS 4360; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 0.88 KG/M	KG
0017102	BAR, ROUND: NOMINAL DIAMETER: 16 MM; GRADE: EN43A; MATERIAL: MS BS 4360; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 1.58 KG/M	KG
0017103	BAR, ROUND: NOMINAL DIAMETER: 20 MM; GRADE: EN43A; MATERIAL: MS BS 4360; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 2.47 KG/M; (DSG-310-048; Q2:2:1: NEV)	KG
0017104	BAR, ROUND: NOMINAL DIAMETER: 25 MM; GRADE: EN43A; MATERIAL: MS BS 4360; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 3.85 KG/M	KG
0017105	BAR, ROUND: NOMINAL DIAMETER: 32 MM; GRADE: 43; MATERIAL: MS BS 4360; LENGTH: 6 M; PROCESS: HOT ROLLED. WEIGHT: 6.31 KG/M	KG
0017108	BAR, FLAT: WIDTH: 50 MM; LENGTH: 6 M; THICKNESS: 8 MM; MATERIAL: BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 3.14 KG/M; 080M50; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017110	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).	KG
0017117	BAR, ROUND: NOMINAL DIAMETER: 8 MM; GRADE: EN43A; MATERIAL: MS BS 4360; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 0.39 KG/M	KG

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0017120	BAR, FLAT: WIDTH: 50 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 4.03 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017121	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 NUMBER (IF APPLICABLE).	KG
0017126	BAR, FLAT: WIDTH: 65 MM; LENGTH: 6 M; THICKNESS: 6 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 3 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017127	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 8 MM; MATERIAL: MS BS 4360-1986; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 2.51 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0017128	BAR, FLAT: WIDTH: 65 MM; LENGTH: 6 M; THICKNESS: 12 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 6.12 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG

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0017129	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 NUMBER (IF APPLICABLE).	KG
0017140	PLATE, METAL: MATERIAL: CS; GRADE: 4.6; PROCESS: HOT ROLLED; WEIGHT: 148.64 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 6 MM; CHEQUER, RAISED FIGURE TYPE, FLAT BACK, 49.55 KG/METER SQUARE	KG
0017142	PLATE, METAL: MATERIAL: MS BS 4360, SABS 1431; GRADE: 300WA EN43A; PROCESS: HOT ROLLED; WEIGHT: 188.4 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 8 MM	KG
0017143	PLATE, METAL: MATERIAL: MILD STEEL; GRADE: EN43A; STANDARD: BS 4360-1972 TABLE 6; PROCESS: HOT ROLLED; WEIGHT: 282.6 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 12 MM	KG
0017144	PLATE, METAL: MATERIAL: MS BS 4360; GRADE: EN43A; PROCESS: HOT ROLLED; WEIGHT: 471 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 20 MM	KG
0017145	SHEET, METAL: WIDTH: 1.225 M; LENGTH: 2.45 M; THICKNESS: 3 MM; MATERIAL: MS GR EN43A; FABRICATION METHOD: HOT ROLLED; SPECIFICATION: BS 4360; 1 EACH= 72.38 KG	KG
0017147	PLATE, METAL: MATERIAL: MS BS 4360, SABS 1431; GRADE: 300WA EN43A; PROCESS: HOT ROLLED; WEIGHT: 141.3 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 6 MM	KG
0017148	PLATE, METAL: MATERIAL: MS SABS 1431; GRADE: 300WA EN43A; PROCESS: HOT ROLLED; WEIGHT: 376.8 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 16 MM	KG
0017150	PLATE, METAL: MATERIAL: MS BS 4360, SABS 1431; GRADE: 300WA EN43A; PROCESS: HOT ROLLED; WEIGHT: 753.6 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 32 MM	KG
0017151	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	KG
0017154	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).	KG
0017156	BAR, FLAT: WIDTH: 30 MM; LENGTH: 6 M; THICKNESS: 5 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.18 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG

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0017174	ANGLE, STRUCTURAL: LEG LENGTH: 40 MM; MATERIAL THICKNESS: 6 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 3.52 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 21.12 KG/LENGTH	KG
0017175	ANGLE, STRUCTURAL: LEG LENGTH: 50 MM; MATERIAL THICKNESS: 6 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 4.47 KG/M; SPECIFICATION: SABS 1431; GRADE: 300WA EN43A; 26.82 KG/LENGTH	KG
0017176	CHANNEL, STRUCTURAL: WIDTH: 76 MM; LENGTH: 6 M; HEIGHT: 152 MM; MATERIAL: MS; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 17.9 KG/M; SPECIFICATION: BS 4360; 5MM	KG
0017177	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	KG
0017178	ANGLE, STRUCTURAL: LEG LENGTH: 90 MM; MATERIAL THICKNESS: 10 MM; LENGTH: 6 M; MATERIAL: CS; PROCESS: HOT ROLLED; WEIGHT: 13.4 KG/M; GRADE: 43A	KG
0017179	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	KG
0017181	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; ISCOR FILE REFERENCE D1.2.1.1	KG
0017183	ANGLE, STRUCTURAL: LEG LENGTH: 100 MM; MATERIAL THICKNESS: 10 MM; LENGTH: 6 M; MATERIAL: CS; PROCESS: HOT ROLLED; WEIGHT: 15 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 90 KG PER LENGTH	KG
0017186	ANGLE, STRUCTURAL: LEG LENGTH: 150 X 90 MM; MATERIAL THICKNESS: 10 MM; LENGTH: 6 M; MATERIAL: CS; PROCESS: HOT ROLLED; WEIGHT: 18.2 KG/M; GRADE: 43A; SUPPL P/N: D1-2-1-1150X90X10	KG
0017188	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	KG
0017191	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	KG
0017192	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	KG
0017193	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	KG

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0017194	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	KG
0017196	ANGLE, STRUCTURAL: LEG LENGTH: 70 MM; MATERIAL THICKNESS: 6 MM; LENGTH: 6 M; MATERIAL: CS; PROCESS: HOT ROLLED; WEIGHT: 6.38 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A	KG
0017197	ANGLE, STRUCTURAL: LEG LENGTH: 60 MM; MATERIAL THICKNESS: 6 MM; LENGTH: 6 M; MATERIAL: CS; PROCESS: HOT ROLLED; WEIGHT: 5.42 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; SECTION: EQUAL; EACH LENGTH WEIGHTS 32.52; ISCOR FILE REFERENCE D1.2.1.1	KG
0017198	ANGLE, STRUCTURAL: LEG LENGTH: 80 MM; MATERIAL THICKNESS: 6 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 7.34 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 44.04KG/LENGTH	KG
0017199	ANGLE, STRUCTURAL: LEG LENGTH: 70 MM; MATERIAL THICKNESS: 10 MM; LENGTH: 6 M; MATERIAL: MS; PROCESS: HOT ROLLED; WEIGHT: 10.3 KG/M; SPECIFICATION: BS 4360; GRADE: EN43A; 61.80KG/LENGTH	KG
0017202	BAR, ROUND: NOMINAL DIAMETER: 10 MM; MATERIAL: CU SABS 182; LENGTH: 6 M	KG
0036199	PLATE, WEAR: DIMENSIONS: WD 166 MM X LG 1.148 M X THK 10 MM; MATERIAL: SS GR 10/200; TYPE: LINERS; SUPPL P/N: AKNS-83049-060; DRAWING NO: UKZ-10030 SH 24 REV 1; UKZ-10030 SHEET 24 ITEM 9 REV 1; HOPPER CONVEYOR PLATES WITH COUNTER SUNK HOLES; RIGHT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0038364	GRATING: TYPE: CATWALK; DIMENSIONS: WD 1.2 X LG 2.4 M; MATERIAL: STL; REFERENCE NO: RS40; GALVANIZED FINISH, SIZE: 25MM X 4.5MM, UNBANDED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0038365	GRATING: TYPE: CATWALK; DIMENSIONS: WD 1.2 X LG 2.4 M; MATERIAL: STL; GALVANIZED FINISH, SIZE: 40MM X 4.5MM, UNBANDED; MATERIAL CERTIFICATE TO BE INCLUDED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0038442	ANGLE, STRUCTURAL: MATERIAL THICKNESS: 10 MM; LENGTH: 772 MM; MATERIAL: STL; SUPPL P/N: AKCG85053-81; CROSS ANGLE, ITEM NUMBER: 63; SIZE: 80MM WD; COAL FEEDER	EA

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0044327	PLATE, WEAR: DIMENSIONS: ID 150 X OD 430 X THK 100 MM; MATERIAL: STAINLESS STEEL; SUPPL P/N: 52-318-343; 12SHT22; FOR USE ON PUMP TYPE PWO 8X4X17L, FOR ANION SUPPLY PUMPS ON THE WATER TREATMENT PLANT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0054979	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 15 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 3.2 MM; CONSTRUCTION: SEAMLESS; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SABS 62-1971 AMENDMENT 2 TABLE 3; FOR STEAM, SCREWED AND SOCKETED	M
0054980	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 20 MM; MATERIAL: STL SABS 62; LENGTH: 6 M; WALL THICKNESS: 2.87 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 40; STEAM; HEAVY DUTY	M
0054981	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 25 X OD 34 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4.05 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SABS 62-1971 AMENDMENT 2 TABLE 3; RATING MEDIUM STEAM, MATERIAL AND TEST CERTIFICATION TO BE SUPPLIED IN ACCORDANCE WITH THE RELEVANT SPECIFICATION	M
0054985	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 4.8 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387; SEAMLESS STEAM, TO THE LATEST EDITION OF SABS 62 AND BEARING THE MARK OF APPROVAL	M

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0054987	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	M
0054988	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 40 MM; MATERIAL: STL GALV; LENGTH: 6 M; WALL THICKNESS: 4 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62 AMEND 2 TABLE 3; ELECTRIC RESISTANCE	M
0054989	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, WALL THICKNESS 3.65 MM, CONSTRUCTION WELDED, END TYPE SOCKET X THD, LENGTH 6 M, SPECIFICATION SABS 763/62~PIPE, MTLC; 50 MM, GS, LG 6 M, THK 3.65 MM	M
0054992	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 150 MM; MATERIAL: CS; LENGTH: 6.1 M; WALL THICKNESS: 5.4 MM; CONSTRUCTION: SEAM WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS 62 AMEND 2 TABLE 3; RATING HEAVY DUTY, FOR STEAM, 4.83 MPA HYDROSTATIC TEST PRESSURE, SCREWED AND SOCKETED IN APPROXIMATELY 6 METRE LENGTHS, BEARING THE SABS MARK OF APPROVAL	M
0054997	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 34 MM; MATERIAL: MS GALV; LENGTH: 6 M; WALL THICKNESS: 2.8 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; HOT DIP GALVANISED NOT ACCEPTED	M
0055011	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 APPROVAL	M
0055270	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: STL; MANUF P/N: AKCG50201-01; SIZE 2 USE WITH COAL FEEDER SLIDE GATE	EA
0055312	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 4 IN X OD 114.3 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 3.05 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SCHEDULE: 10; GRADE: 316; MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY	M
0055313	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 80 X OD 88.9 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 3.05 MM; CONSTRUCTION: SEAMLESS; GRADE: 316; MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY	M
0055314	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 54.4 X OD 60.4 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 3 MM; CONSTRUCTION: SEAMLESS; SCHEDULE: 10; GRADE: 316L; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	M

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0055315	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 26.4 X OD 33.4 MM; MATERIAL: STAINLESS STEEL; WALL THICKNESS: 3.6 MM; CONSTRUCTION: SEAMLESS; GRADE: 316; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY	M
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0055516	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 5.4 MM; CONSTRUCTION: SEAMLESS; END TYPE: SOCKET X THD; SPECIFICATION: BS 1387-67; STEAM PIPE, TO THE LATEST EDITION OF SABS 62 AND BEARING THE SABS MARK OF APPROVAL	M
0055517	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 125 MM; MATERIAL: STL; LENGTH: 6 M; WALL THICKNESS: 5.4 MM; CONSTRUCTION: WELDED; END TYPE: SOCKET X THD; SPECIFICATION: SABS S62-1971 AMEND 2 TABLE 3; STEAM, SEAMLESS	M
0055520	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 15 X OD 21.03 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 M; WALL THICKNESS: 2.77 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; GRADE: 316; SIZE 12.03; MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY	M
0055644	PIPE, METALLIC: MATERIAL: CR13MO44; LENGTH: 6 M; WALL THICKNESS: 6.3 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; SIZE: 114.1MM OUTSIDE DIAMETER; TO BE STAMPED AND COLOUR CODED; TEST CERTIFICATES TO BE SUPPLIED WITH DELIVERY	M
0055645	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 60.3 MM; MATERIAL: CR13MO44; LENGTH: 6 M; WALL THICKNESS: 3.6 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; HOT DRAWN; TO BE STAMPED AND COLOUR CODED; TEST CERTIFICATES TO BE SUPPLIED WITH DELIVERY	M
0057099	PLUG, PIPE: SIZE: 8 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STEEL; GRADE: 4.6; SPECIFICATION: BS 1740; STEAM	EA
0057100	PLUG, PIPE: SIZE: 10 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; GRADE: 4.6; SPECIFICATION: BS 1740; STEAM	EA
0057108	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	EA
0057109	ADAPTOR, PIPE: INLET SIZE: 20 MM; INLET CONNECTION: BSP; OUTLET SIZE: 10 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA
0057110	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	EA
0057112	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: NPT; OUTLET SIZE: 10 MM; OUTLET CONNECTION: FPT; MATERIAL: MI GALV; SPECIFICATION BS143/52, SABS 509/55; HEXAGON HEAD ONE END	EA
0057113	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA
0057114	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52; FOR STEAM	EA

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0057115	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: NPT; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FPT; MATERIAL: MI; HEXAGON HEAD ONE END, BEARING THE SABS MARK OF APPROVAL; SPECIFICATION: SABS 509/55	EA
0057116	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 40 X 20 MM; CONNECTION: BSP X FBSP; MATERIAL: MI CAST; SPECIFICATION: BS 143/52; SABS 509/55	EA
0057117	ADAPTOR, PIPE: INLET SIZE: 40 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	EA
0057119	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA
0057124	COUPLING, PIPE: SIZE: 6 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62; STYLE: SOCKET; FOR STEAM PIPE; PLAIN; TO THE LATEST EDITION OF BEARING THE SABS MARK	EA
0057125	COUPLING, PIPE: SIZE: 8 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62; STYLE: SOCKET; GRADE 4.6, STEAM PIPE	EA
0057126	COUPLING, PIPE: SIZE: 10 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; GRADE 4.6; STEAM	EA
0057127	COUPLING, PIPE: SIZE: 15 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; GRADE 4.6; STEAM PIPE	EA
0057128	COUPLING, PIPE: SIZE: 20 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; FOR STEAM PIPE; PLAIN	EA
0057129	COUPLING, PIPE: SIZE: 25 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 1740; STYLE: SOCKET; GRADE 4.6; STEAM PIPE	EA
0057130	COUPLING, PIPE: SIZE: 32 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62; STYLE: SOCKET; GRADE 4.6, STEAM PIPE	EA
0057131	COUPLING, PIPE: SIZE: 40 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; GRADE 4.6; STEAM PIPE	EA
0057132	COUPLING, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; GRADE 4.6; STEAM	EA

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0057133	COUPLING, PIPE: SIZE: 65 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62; STYLE: SOCKET; GRADE 4.6; STEAM PIPE	EA
0057134	COUPLING, PIPE: SIZE: 80 MM; CONNECTION: FNPT; MATERIAL: STEEL; SPECIFICATION: SABS 62-1971; STYLE: SOCKET; GRADE 4.6, STEAM PIPE	EA
0057135	COUPLING, PIPE: SIZE: 100 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 62; STYLE: SOCKET; GRADE 4.6; PLAIN; STEAM PIPE; TO THE LATEST EDITION OF SABS 62 AND BEARING THE SABS MARK OF APPROVAL	EA
0057138	PLUG, PIPE: SIZE: 50 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA
0057139	PLUG, PIPE: SIZE: 32 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA
0057140	PLUG, PIPE: SIZE: 40 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS 1740-1965; STEAM	EA
0057168	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 10 MM; CONNECTION: FPT; MATERIAL: STEEL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740-71; FOR STEAM APPLICATION	EA
0057169	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	EA
0057171	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 15 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740	EA

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0057172	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 15 X 10 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA
0057174	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 25 X 20 MM; CONNECTION: FPT; MATERIAL: STL; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13	EA
0057177	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 50 X 25 MM; CONNECTION: FNPT; MATERIAL: STEEL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA
0057179	REDUCER, PIPE: TYPE: CONCENTRIC BELL; NOMINAL SIZE: 25 X 15 MM; CONNECTION: FNPT; MATERIAL: STL; GRADE: WPB; SPECIFICATION: BS S1740; STEAM PSI, BSP THREAD	EA
0057181	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 10 X 8 MM; CONNECTION: NPT; MATERIAL: STL; SPECIFICATION: BS S1740-1965 AMENDMENT 1 TABLE 13; STEAM, SOCKET BSP THREAD	EA
0057185	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA
0057188	REDUCER, PIPE: TYPE: CONCENTRIC; NOMINAL SIZE: 20 X 10 MM; CONNECTION: FNPT; MATERIAL: STEEL; GRADE: WPB; RATING: 1000 KPA; SPECIFICATION: BS 1740-1965 AMENDMENT 1 TABLE 13; BSP THREAD	EA
0057191	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	EA

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0057192	ADAPTOR, PIPE: INLET SIZE: 10 MM; INLET CONNECTION: BSP; OUTLET SIZE: 8 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION SABS 509/55, BS 143/52	EA
0057194	BEND, PIPE: OUTSIDE DIAMETER: 8 MM; CONNECTION: SOCKET X NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62; STEAM	EA
0057195	BEND, PIPE: OUTSIDE DIAMETER: 10 MM; CONNECTION: SW X NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62; STEAM, TO THE LATEST EDITION; AND BEARING	EA
0057196	BEND, PIPE: OUTSIDE DIAMETER: 15 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62; STEAM; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA
0057197	BEND, PIPE: OUTSIDE DIAMETER: 20 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62-1971; STEAM; MALE THREAD WITH SOCKET ONE END	EA
0057198	BEND, PIPE: OUTSIDE DIAMETER: 25 MM; CONNECTION: SW X NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62-1971; STEAM	EA
0057199	BEND, PIPE: OUTSIDE DIAMETER: 32 MM; CONNECTION: MNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62; STEAM; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA
0057201	BEND, PIPE: OUTSIDE DIAMETER: 50 MM; CONNECTION: SW X NPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; SPECIFICATION: SABS 62-1971; STEAM	EA
0057203	BEND, PIPE: OUTSIDE DIAMETER: 80 MM; CONNECTION: NPT X FNPT; MATERIAL: STL; DEGREE: 90 DEG; RADIUS: LONG; GRADE: 4.6; SPECIFICATION: SABS 62-1971; STEAM; MALE AND FEMALE THREADED; TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	EA
0057207	ELBOW, PIPE: SIZE: 6 MM; CONNECTION: FNPT; MATERIAL: STL 13CRMO44 BS1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM; LEG LENGTH 16MM; AMENDMENT 1 TABLE 2	EA
0057208	ELBOW, PIPE: SIZE: 8 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; GRADE: 4.6; SPECIFICATION: BS 1740; STEAM	EA
0057209	ELBOW, PIPE: SIZE: 10 MM; CONNECTION: FNPT; MATERIAL: STL 13CRMO44; DEGREE: 90 DEG; RADIUS: SHORT; STEAM; TO BSS 1740	EA
0057211	ELBOW, PIPE: SIZE: 20 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM	EA

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0057212	ELBOW, PIPE: SIZE: 25 MM; CONNECTION: FNPT; MATERIAL: BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM	EA
0057213	ELBOW, PIPE: SIZE: 32 MM; CONNECTION: FNPT; MATERIAL: STL 13CRMO44 BS1740/1971; DEGREE: 90 DEG; RADIUS: SHORT; STEAM; BSS 1740	EA
0057214	ELBOW, PIPE: SIZE: 40 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM; TO BSS 1740-1971	EA
0057215	ELBOW, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: STL BS 1740; DEGREE: 90 DEG; RADIUS: SHORT; STEAM	EA
0057220	BEND, PIPE: OUTSIDE DIAMETER: 25 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV SABS 763; DEGREE: 90 DEG; RADIUS: LONG	EA
0057221	ELBOW, PIPE: SIZE: 20 MM; CONNECTION: FNPT; MATERIAL: STEEL GALVANIZED; DEGREE: 90 DEG; RADIUS: SHORT	EA
0057222	ELBOW, PIPE: SIZE: 25 MM; CONNECTION: FNPT; MATERIAL: MI GALV; DEGREE: 90 DEG; RADIUS: SHORT	EA
0057225	ELBOW, PIPE ADAPTOR: SIZE: 50 MM; INLET CONNECTION: NPT; OUTLET CONNECTION: FPT; MATERIAL: MI GALV; DEGREE: 90 DEG; RADIUS: LONG	EA
0057226	ELBOW, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: MI GALV; DEGREE: 90 DEG; RADIUS: SHORT; TYPE: WATER	EA
0057228	ELBOW, PIPE: SIZE: 40 MM; CONNECTION: FNPT; MATERIAL: MI GALV; DEGREE: 90 DEG; RADIUS: SHORT	EA
0057233	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: BSP; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI; HEX; SPECIFICATION: SABS 509/55; BS 143/52	EA
0057240	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: NPT; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FPT; MATERIAL: IRON GALV; HEXAGON HEAD ONE END	EA
0057243	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 38 X 20 MM; CONNECTION: BSP X FBSP; MATERIAL: MI GALVANIZED; RATING: 75 BAR; SPECIFICATION: EN10241	EA
0057247	ADAPTOR, PIPE: INLET SIZE: 25 MM; INLET CONNECTION: BSP; OUTLET SIZE: 20 MM; OUTLET CONNECTION: FBSP; MATERIAL: MI GALV; RATING 75 BAR; SPECIFICATION BS143/52, SABS 509/55; HEXAGON HEAD ONE END	EA

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0057271	PLUG, PIPE: SIZE: 6 MM; HEAD: SQ; CONNECTION: BSP; MATERIAL: STEEL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA
0057272	PLUG, PIPE: SIZE: 15 MM; HEAD: SQ; CONNECTION: PT; MATERIAL: STEEL; GRADE: B; SPECIFICATION: BS 1740; RATING PSI	EA
0057273	PLUG, PIPE: SIZE: 20 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS S1740	EA
0057274	PLUG, PIPE: SIZE: 25 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: STEEL; SPECIFICATION: BS 1740 AMENDMENT 1 TABLE 25; FOR STEAM APPLICATION	EA
0057275	PLUG, PIPE: SIZE: 50 MM; HEAD: SQ; CONNECTION: NPT; MATERIAL: IRON GALV; GRADE: B; SPECIFICATION: BS 1740; RATING PSI	EA
0057286	UNION, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: SABS 763	EA
0057289	UNION, PIPE: SIZE: 8; CONNECTION: FPT; MATERIAL: STEEL; RATING: 4830 KPA; SPECIFICATION: BS 1940; GRADE: B; FOR STEAM APPLICATION	EA
0057290	UNION, PIPE: SIZE: 10; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS 1740-1965 AMENDMENT 1 TABLE 20; FOR STEAM APPLICATION	EA
0057291	UNION, PIPE: SIZE: 40 MM; CONNECTION: FBSP; MATERIAL: MI GALV; SPECIFICATION: SABS 763; GRADE: B; FLAT FACED	EA
0057294	UNION, PIPE: SIZE: 50 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS S1740-1971	EA
0057295	UNION, PIPE: SIZE: 40 MM; CONNECTION: FPT; MATERIAL: STEEL; SPECIFICATION: BS 1740; GRADE: 4.6; FOR STEAM APPLICATION	EA
0057297	UNION, PIPE: SIZE: 20 MM; CONNECTION: FBSP; MATERIAL: STEEL; SPECIFICATION: BS 1740; FOR STEAM APPLICATION	EA
0057298	UNION, PIPE: SIZE: 25 MM; CONNECTION: FNPT; MATERIAL: STEEL; SPECIFICATION: BS 1740-1971	EA

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0057302	COUPLING, PIPE: SIZE: 40 MM; CONNECTION: FBPT; MATERIAL: STL GALV; STYLE: STRAIGHT	EA
0057304	COUPLING, PIPE: SIZE: 50 MM; CONNECTION: FNPT; MATERIAL: STL GALV; SPECIFICATION: SABS 763; STYLE: SOCKET; BSP	EA
0057387	BEND, PIPE: OUTSIDE DIAMETER: 32 MM; CONNECTION: NPT X FNPT; MATERIAL: MI GALV SABS 763; DEGREE: 90 DEG; RADIUS: LONG	EA
0057402	FLANGE, PIPE: TYPE: THD NECK; PIPE SIZE: 40 MM; MATERIAL: STEEL; STYLE: RF; GRADE: 4.6; FLANGE DIAMETER: 132 MM; STEAM, UNDRILLED, TABLE 3E	EA
0057403	FLANGE, PIPE: TYPE: THD NECK; PIPE SIZE: 32 MM; MATERIAL: STEEL; STYLE: RF; GRADE: 4.6; FLANGE DIAMETER: 120 MM; STEAM, TABLE 3E, BLANK	EA
0057405	FLANGE, PIPE: TYPE: THD COMPANION; BORE: 20 MM; MATERIAL: STL; FLANGE DIAMETER: 101.6 MM; STEAM, UNDRILLED TABLE 3E	EA
0057411	FLANGE, PIPE: TYPE: COMPANION THD; MATERIAL: STL A105; RATING: 20 BAR; SPECIFICATION: BS 4504; FLANGE DIAMETER: 114.3 MM; STEAM, DRILLED TO TABLE 3E, FEMALE SCREWED; SIZE: 25MM	EA
0057412	FLANGE, PIPE: TYPE: COMPANION THD; MATERIAL: STL; SPECIFICATION: BS 10 TABLE 3; FLANGE DIAMETER: 215.9 MM; STEAM PIPE, UNDRILLED TO TABLE 3E, FEMALE SCREWED; SIZE: 100MM	EA
0057413	FLANGE, PIPE: TYPE: COMPANION SCREWED; BORE: 80 MM; MATERIAL: STL; SPECIFICATION: BS 10-1962 TABLE 3; FLANGE DIAMETER: 184.1 MM; STEAM, E UNDRILLED	EA
0057414	FLANGE, PIPE: TYPE: COMPANION SCREWED; BORE: 50 MM; MATERIAL: MS; SPECIFICATION: BS TABLE D; BOLT HOLES: 4; BOLT HOLE SIZE: 12 MM; FLANGE DIAMETER: 152.4 MM; SIZE: 12MM THK	EA

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0057415	FLANGE, PIPE: TYPE: COMPANION THD; MATERIAL: STL; FLANGE DIAMETER: 279.4 MM; STEAM PIPE, UNDRILLED TO TABLE 3E, FEMALE SCREWED; SIZE: 150MM	EA
0057460	FLANGE, PIPE: TYPE: COMPANION THD; BORE: 40 MM; MATERIAL: STL; STYLE: BF; SPECIFICATION: BS 10 TABLE 3H; FLANGE DIAMETER: 134 MM; STEAM, UNDRILLED, 139.7MM OUTSIDE DIAMETER, 17.5MM THK, BOSS DIMENSION 12.7MM LENGTH, 61.9MM DIAMETER AT SMALL END, 69.9MM DIA AT ROOT	EA
0057461	FLANGE, PIPE: TYPE: THD NECK; BORE: 50 MM; MATERIAL: MS; STYLE: RF; SPECIFICATION: BS 10 TABLE 3H; FLANGE DIAMETER: 165 MM; STEAM, UNDRILLED, BOSSED FACE, 165.1MM OD, 19.1MM THK BOSS DIMENSIONS: 12.7MM LG, 74.6MM DIA AT SMALL END, 92.9MM DIA AT ROOT	EA
0058252	COUPLING, PIPE: SIZE: 200 MM; CONNECTION: BOLTED; MATERIAL: CI; STYLE: SHORT COLLAR; CLASS 18	EA
0058507	UNION, PIPE: SIZE: 32; CONNECTION: SOCKET SLIP ON; MATERIAL: PVC; RATING: 1600 KPA AT 20 DEG C; SPECIFICATION: DIN 8063; DURAPIPE UPVC, PLAIN ENDS	EA
0058510	ELBOW, PIPE: SIZE: 32 MM; CONNECTION: PLAIN; MATERIAL: PVC; DEGREE: 90 DEG; RADIUS: SHORT; RATING: 1600 KPA; SPECIFICATION: SABS 966-1976; DUROFLO; MATERIAL: UPVC; CLASS 16; SOLWELD; CODE: PVC115308	EA
0058513	ELBOW, PIPE: SIZE: 20 MM; CONNECTION: PLAIN; MATERIAL: PVC; DEGREE: 90 DEG; RADIUS: SHORT; RATING: 1600 KPA; SPECIFICATION: SABS 966-1976; DUROFLO; MATERIAL: UPVC; CLASS 16; SOLWELD; CODE: PVC115306	EA

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0058517	COUPLING, PIPE: SIZE: 63 MM; CONNECTION: SLIP ON; MATERIAL: PVC; RATING: 1600 KPA; SPECIFICATION: DIN 8063; STYLE: SOCKET; DURAPIPE UPVC; OPERATING TEMPERATURE 20 DEG C	EA
0058606	FLANGE, PIPE: TYPE: WELD NECK; PIPE SIZE: 50 MM; MATERIAL: STAINLESS STEEL; RATING: SCH 10; STYLE: RF; GRADE: 316L; FLANGE DIAMETER: 152.4 MM; UNDRILLED TO ASA 150 SCHEDULE 10, 19.1MM THK, WELDING NECK 63.5MM HIGH; SIZE: 50MM	EA
0058764	FLANGE, PIPE: TYPE: WELD ON; PIPE SIZE: 50 MM; MATERIAL: STAINLESS STEEL; STYLE: FF; GRADE: 316L; SPECIFICATION: BS 10 TABLE F; PCD: 127 MM; BOLT HOLES: 4; FLANGE DIAMETER: 165.1 MM; THK OF FLANGE: 15.9MM, DIA OF BOLTS M16; SIZE: 60.3MM	EA
0058797	ELBOW, PIPE: SIZE: ID 50 MM; CONNECTION: BW; MATERIAL: STAINLESS STEEL; DEGREE: 90 DEG; RADIUS: LONG; SCHEDULE: 40; GRADE: 316L	EA
0058843	ELBOW, PIPE: SIZE: 32 MM; CONNECTION: SOCKET FUSION; MATERIAL: PVC; DEGREE: 90 DEG; RADIUS: SHORT; RATING: 10 BAR; SPECIFICATION: SABS 1315-1981; POLYPROPYLENE; CLASS 16; 1600 KPA; PLAIN	EA
0058935	FLANGE, PIPE: BORE: 220 MM; MATERIAL: STAINLESS STEEL; GRADE: 316L; BOLT HOLES: 8; FLANGE DIAMETER: 340 MM; TYPE DRILLED, 10/3, 761537 ALBIS, 25MM THK	EA
0058937	FLANGE, PIPE: TYPE: WELD NECK; PIPE SIZE: 100 MM; MATERIAL: STAINLESS STEEL; STYLE: RF; GRADE: 316L; PCD: 180 MM; BOLT HOLES: 8; FLANGE DIAMETER: 220 MM; DRILLED TO BS4504 TABLE 16:3, APPROXIMATELY OUTSIDE DIAMETER OF PIPE: 114.3MM, THK OF FLANGE: 17MM; DIAMETER OF BOLTS M18, WELD ON TYPE; SIZE: 114.3MM	EA
0059003	PLUG, PIPE: SIZE: 3/8 IN; HEAD: SQ; CONNECTION: NPT; MATERIAL: STAINLESS STEEL; GRADE: 316; REFERENCE NO: 394387-1024; CONNECTOR; MALE; SIZE 3/8 IN X 1/4 IN; FOR USE WITH VENT POPPET VALVE ON DIAMOND POWER RETRACTABLE SOOTBLOWER TYPE IK545	EA
0059038	UNION, PIPE: SIZE: 1-1/2 IN; CONNECTION: FBSP; MATERIAL: STAINLESS STEEL; GRADE: 316	EA
0059092	UNION, PIPE: SIZE: 1-1/2 IN; CONNECTION: FBSP; MATERIAL: STAINLESS STEEL; GRADE: 316; 11TPI	EA
0059093	UNION, PIPE: SIZE: 3/4 IN; CONNECTION: FBSP; MATERIAL: STAINLESS STEEL; GRADE: 316; 14TPI	EA
0059168	FLANGE, PIPE: BORE: 55 MM; MATERIAL: BRASS; PCD: 160 MM; BOLT HOLES: 8; FLANGE DIAMETER: 200 MM; TYPE DRILLED, COUPLING INSTANTANEOUS FEMALE, COMPLETE ASSEMBLY, DOWN OBLIQUE, DIMENSIONS: 20MM THK, TO FIT 16MM BOLTS, FOR USE WITH RIGHT ANGLE FIRE HYDRANT VALVE	EA

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0059383	PLUG, PIPE: SIZE: 1/4 IN; HEAD: HEX; CONNECTION: THD; MATERIAL: STAINLESS STEEL; REFERENCE NO: SS400-P	EA
0059384	PLUG, PIPE: SIZE: 3/8 IN; HEAD: HEX; CONNECTION: THD; MATERIAL: STAINLESS STEEL; REFERENCE NO: SS600-P	EA
0059387	PLUG, PIPE: SIZE: 10 MM; HEAD: HEX; CONNECTION: THD; MATERIAL: STAINLESS STEEL; REFERENCE NO: SS10M0-P	EA
0059595	BEND, PIPE: OUTSIDE DIAMETER: 35 MM; MATERIAL: STL; DEGREE: 90 DEG; FEMALE; FOR MACLOCK TYPE B HANDRAIL; THIN WALLED; VH90; LG 540 MM	EA
0059903	COUPLING, PIPE: SIZE: 20 MM; CONNECTION: COMPRESSION; MATERIAL: GALVANISED STEEL; COMPLETE WITH RUBBER SEALS	EA
0061207	COUPLING, PIPE: SIZE: 750 MM; CONNECTION: BOLTED; MATERIAL: STEEL; REFERENCE NO: JOHNSON VIKING	EA
0061756	UNION, PIPE: SIZE: 3/4 IN; CONNECTION: SW; MATERIAL: STEEL; DRAWING NO: GEC M200(A0)40872 REV 1; REFERENCE NO: 2349; TO GEC DESPATCH SCHEDULE 7ABR7355459	EA
0061771	ADAPTOR, PIPE: INLET SIZE: 3 IN; INLET CONNECTION: NPT; OUTLET SIZE: 2 IN; OUTLET CONNECTION: FPT; MATERIAL: MI GALV; HEXAGON HEAD ONE END; TO THE LATEST EDITION OF SABS 509 AND BEARING THE SABS MARK OF APPROVAL	EA
0086466	REDUCER, PIPE: TYPE: STUD; NOMINAL SIZE: 29 X 25 MM; CONNECTION: NPT; MATERIAL: STAINLESS STEEL; SUPPL P/N: 930711-9035; FOR DIAMOND POWER SOOTBLOWER POPPET VALVE, AIR RELIEF VALVE, SERIES 60	EA
0086523	BAR, ROUND: NOMINAL DIAMETER: 6 MM; GRADE: 43; MATERIAL: MS BS 4360; LENGTH: 1 M; PROCESS: HOT ROLLED; THREADED	EA
0086560	BAR, ROUND: NOMINAL DIAMETER: 24 MM; GRADE: 43; MATERIAL: MS BS 4360; LENGTH: 250 MM; PROCESS: HOT ROLLED; FULLY THREADED, IN 1 METER LENGTH	EA
0087379	COUPLING, PIPE: SIZE: 3/4 IN; CONNECTION: 14BSP; STYLE: STRAIGHT MALE STUD; SUPPL P/N: S6897HC HNO1075S; DRAWING NO: GEC R200(AO)6420 REV 1; DESPATCHED SCHEDULE NUMBER: 7SR7113811; PARALLEL	EA
0090541	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 USE ON SULZER FEED PUMP	EA

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0113061	PLATE, METAL: MATERIAL: STEEL; THICKNESS: 22 MM; WIDTH: 42 MM; LENGTH: 50 MM; DIMENSIONS: WD 42 X LG 50 X THK 22 MM; DRAWING NO: GEC M212(A0)40908 REV 1; M212(A0)40908 REV 1; STOP; FOR USE WITH HIGH PRESSURE CYLINDER FRONT GLAND	EA
0114888	POST: TYPE: HANDRAIL STANCHION; DIMENSIONS: DIA 42 MM X LG 1.04 M; MATERIAL: STL ZN CHROMATE PAINTED; REFERENCE NO: T90; PLATFORM MOUNTED, SIZE 1000MM HIGH, SUITABLE TO FIT SIZE 33.5MM OUTSIDE DIAMETER PIPE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0135297	BAR, ROUND: NOMINAL DIAMETER: 75 MM; MATERIAL: TUFNOL; LENGTH: 1.2 M; WEIGHT: 7 KG/M	KG
0136071	BAR, ROUND: NOMINAL DIAMETER: 50 MM; MATERIAL: TUFNOL; LENGTH: 1 M; WEIGHT: 2 KG/M	KG
0143924	BAR, FLAT: WIDTH: 16 MM; LENGTH: 1.9 M; THICKNESS: 5 MM; MATERIAL: STL; PROCESS: HOT ROLLED; GRADE: 43A; SUPPL P/N: 203501-1; DRAWING NO: 158S2125/07/820 REV 1; COOLER SEAL, GEC, SCHEDULE NUMBER: TASG01-116; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0161950	BAR, ROUND: NOMINAL DIAMETER: 12 MM; GRADE: EN3B; MATERIAL: STL 070M20 BS970 PART 1; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 0.88 KG/M; SHAFTING TURNED, 28/32 TON TENSILE	KG
0161953	BAR, ROUND: NOMINAL DIAMETER: 25 MM; GRADE: EN3B; MATERIAL: MS BS 970; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 3.85 KG/M; 28 TO 32 TON TENSILE	KG
0161955	BAR, ROUND: NOMINAL DIAMETER: 32 MM; GRADE: EN3B; MATERIAL: STL BS 970; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 6.31 KG/M; SHAFTING TURNED PART 1 070M20	KG
0161957	BAR, ROUND: NOMINAL DIAMETER: 50 MM; GRADE: EN3B; MATERIAL: STL 070M20 BS970 PART 1; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 15.4 KG/M	KG
0161958	BAR, ROUND: NOMINAL DIAMETER: 65 MM; GRADE: EN3B; MATERIAL: MS BS 970 PART 1; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 26 KG/M; REFERENCE NO: 070M20; EN3B	KG
0161960	BAR, ROUND: NOMINAL DIAMETER: 76 MM; GRADE: EN3B; MATERIAL: STL 070M20 BS970 PART 1; LENGTH: 3 M; PROCESS: HOT ROLLED; WEIGHT: 37 KG/M	KG
0161962	BAR, ROUND: GRADE: EN3B; MATERIAL: STL 070M20 BS970 PART 1; LENGTH: 2 M; PROCESS: HOT ROLLED; WEIGHT: 61.7 KG/M	KG

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0161967	BAR, FLAT: WIDTH: 80 MM; LENGTH: 6 M; THICKNESS: 12 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 7.54 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0162008	BAR, ROUND: NOMINAL DIAMETER: 20 MM; GRADE: EN3B; MATERIAL: STL BRIGHT GR 070M20 BS 970 PART 1; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 2.46 KG/M; SHAFTING	KG
0162058	BAR, ROUND: NOMINAL DIAMETER: 75 MM; GRADE: 316; MATERIAL: SS BS 970; LENGTH: 3 M; PROCESS: HOT ROLLED; WEIGHT: 35.5 KG/M	KG

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0162075	BAR, ROUND: NOMINAL DIAMETER: 40 MM; GRADE: EN3B; MATERIAL: CS BRIGHT GR 070M20 BS 970; LENGTH: 6 M; PROCESS: HOT ROLLED/HEAT TREATED; WEIGHT: 9.865 KG/M; MILD; "20"; 1 LENGTH= APPROXIMATELY 60KG	KG
0162082	BAR, FLAT: WIDTH: 25 MM; LENGTH: 3 M; THICKNESS: 6 MM; MATERIAL: STAINLESS STEEL; GRADE: 304; WEIGHT: 1.2 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0162085	BAR, FLAT: WIDTH: 60 MM; LENGTH: 6 M; THICKNESS: 10 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 4.71 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0162086	BAR, FLAT: WIDTH: 60 MM; LENGTH: 3 M; THICKNESS: 6 MM; MATERIAL: STAINLESS STEEL; GRADE: 310; WEIGHT: 2.83 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0162087	BAR, FLAT: WIDTH: 150 MM; LENGTH: 6 M; THICKNESS: 8 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 9.8 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG

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0162088	BAR, FLAT: WIDTH: 130 MM; LENGTH: 6 M; THICKNESS: 8 MM; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 8.13 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0162092	BAR, FLAT: WIDTH: 50 MM; LENGTH: 3 M; THICKNESS: 6 MM; MATERIAL: 3CR12; WEIGHT: 2.4 KG/M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0162095	BAR, ROUND: NOMINAL DIAMETER: 60 MM; GRADE: EN3B; MATERIAL: GR 070M20 BS 970; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 10 KG/M	KG
0162096	KEY STOCK: WIDTH: 6 MM; LENGTH: 3 M; THICKNESS: 6 MM; MATERIAL: STL; PROCESS: HOT ROLLED	EA
0162097	KEY STOCK: WIDTH: 28 MM; LENGTH: 3 M; THICKNESS: 50 MM; MATERIAL: STL; PROCESS: HOT ROLLED; FLAT BAR	EA
0162098	KEY STOCK: WIDTH: 20 MM; LENGTH: 3 M; THICKNESS: 36 MM; MATERIAL: STL; PROCESS: HOT ROLLED; FLAT BAR	EA
0162100	KEY STOCK: WIDTH: 30 MM; LENGTH: 3 M; THICKNESS: 30 MM; MATERIAL: STL; PROCESS: HOT ROLLED	EA
0162101	KEY STOCK: WIDTH: 25 MM; LENGTH: 3 M; THICKNESS: 25 MM; MATERIAL: STL; PROCESS: HOT ROLLED	EA
0162102	KEY STOCK: WIDTH: 16 MM; LENGTH: 3 M; THICKNESS: 16 MM; MATERIAL: STL; PROCESS: HOT ROLLED	EA
0162103	KEY STOCK: WIDTH: 12 MM; LENGTH: 3 M; THICKNESS: 12 MM; MATERIAL: STL; PROCESS: HOT ROLLED	EA
0162104	KEY STOCK: WIDTH: 10 MM; LENGTH: 3 M; THICKNESS: 10 MM; MATERIAL: STL; PROCESS: HOT ROLLED	EA

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0162106	BAR, ROUND: NOMINAL DIAMETER: 30 MM; GRADE: EN3B; MATERIAL: 13CRMO44; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 5.5 KG/M; STANDARD: BS 970	KG
0162113	KEY STOCK: WIDTH: 8 MM; LENGTH: 3 M; THICKNESS: 10 MM; MATERIAL: STL; PROCESS: HOT ROLLED	EA
0162128	BAR, ROUND: NOMINAL DIAMETER: 160 MM; GRADE: EN3B; MATERIAL: STL BRIGHT GR 070M20 BS 970; LENGTH: 3 M; PROCESS: HOT ROLLED; WEIGHT: 160 KG/M; SHAFTING, ("20" CARBON STEEL) 1 LENGTH = APPROXIMATELY 480KG	KG
0162201	KEY STOCK: WIDTH: 15.8 MM; LENGTH: 3 M; THICKNESS: 15.8 MM; MATERIAL: STL; PROCESS: HOT ROLLED; 1,997 KG/METER	KG
0162202	KEY STOCK: WIDTH: 12.7 MM; LENGTH: 4 M; THICKNESS: 12.7 MM; MATERIAL: KEY STL; 1,256 KG/METRE	KG
0162203	KEY STOCK: WIDTH: 25.4 MM; LENGTH: 3 M; THICKNESS: 25.4 MM; MATERIAL: KEY STL; PROCESS: AIR HARDENED; BAR	KG
0162231	BAR, ROUND: NOMINAL DIAMETER: 30 MM; GRADE: EN3B; MATERIAL: MS BRIGHT GR 070M20 BS 970 PART 1; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 5.549 KG/M; 5.55KG PER METRE	KG
0162240	BAR, ROUND: NOMINAL DIAMETER: 6 MM; GRADE: S15; MATERIAL: SS BS 970-972 PART 4; LENGTH: 3 M; PROCESS: FORGED; WEIGHT: 0.226 KG/M; ANTI-MAGNETIC, FORGED BETWEEN 900 TO 1150 DEGREES CELCIUS, HARDENED BETWEEN 1000 DEGREES TO 1050 DEGREES CELCIUS	KG

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0162248	BAR, ROUND: NOMINAL DIAMETER: 25 MM; GRADE: 316; MATERIAL: SS BS 970; LENGTH: 6 M; PROCESS: HOT ROLLED; WEIGHT: 1.305 KG/M; ANTI-MAGNETIC. FORGED BETWEEN 850 DEGREES CENTIGRADE AND 1150 DEGREES CENTIGRADE, HARDEN AT 1050 DEGREES CENTIGRADE AND 1100 DEGREES CENTIGRADE, IN AIR OR WATER, COLOUR CODED RED AND YELLOW, PART 4, ONE LENGTH = APPROXIMATELY 7.83KG	KG
0162249	BAR, ROUND: NOMINAL DIAMETER: 32 MM; GRADE: 316; S16; MATERIAL: SS BS 970-1972; LENGTH: 6 M; WEIGHT: 6.439 KG/M; ANTI-MAGNETIC TO: PART4 CODE RED AND YELLOW FORGED BETWEEN 850 DEGREES CENTIGRADE AND 1150 DEGREES CENTIGRADE HARDEN AT 1050 DEGREES CENTIGRADE AND 1100 DEGREES CENTIGRADE IN AIR OR WATER 1 LENGTH = APPROXIMATELY 39,0KG	KG
0162250	BAR, ROUND: NOMINAL DIAMETER: 50 MM; GRADE: 316; MATERIAL: SS BS 970; LENGTH: 3 M; PROCESS: HOT ROLLED; WEIGHT: 6.43 KG/M; COLOUR CODE: RED AND YELLOW, ANTI MAGNETIC, CERTIFICATES TO BE SUPPLIED WITH EVERY CONSIGNMENT	KG
0162260	KEY STOCK: WIDTH: 20 MM; LENGTH: 3 M; THICKNESS: 20 MM; MATERIAL: STL	EA
0162358	PLATE, METAL: MATERIAL: MS BS 4360, SABS 1431; GRADE: 300WA EN43A; PROCESS: HOT ROLLED; WEIGHT: 589 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 25 MM	KG
0162359	PLATE, METAL: MATERIAL: MILD STEEL; GRADE: EN43A; STANDARD: BS 4360-1972 TABLE 6; PROCESS: HOT ROLLED; WEIGHT: 235.5 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 10 MM	KG
0162366	SHEET, METAL: WIDTH: 915 MM; LENGTH: 1.83 M; THICKNESS: 0.6 MM; MATERIAL: GALV; FABRICATION METHOD: HOT ROLLED	EA
0162400	SHEET, METAL: WIDTH: 1.5 M; LENGTH: 3 M; THICKNESS: 3 MM; MATERIAL: SS GR 316; WEIGHT 107.86KG MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY	KG
0162433	PLATE, WEAR: DIMENSIONS: WD 90 MM X LG 1.72 M X THK 10 MM; MATERIAL: STL HIGH CARBON SPECIAL; 80 X 10, 1720MM LONG; SPARES FOR WET ASH SCRAPER CONVEYOR FLIGHT BAR; MATERIAL: V.R.N. 500; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0162434	PLATE, WEAR: DIMENSIONS: WD 80 MM X LG 1.72 M X THK 10 MM; MATERIAL: STL HIGH CARBON SPECIAL; SUPPL P/N: UVV-00095-709; REFERENCE NO: 500; FLIGHT BAR; GRADE 90MN4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0162439	PLATE, METAL: MATERIAL: 3CR12; PROCESS: HOT ROLLED; WEIGHT: 141 KG; DIMENSIONS: WD 1.25 M X LG 2.5 M X THK 6 MM; REFERENCE NO: 3CR-12	KG

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0162451	PLATE, METAL: MATERIAL: SS ASTM A240; GRADE: 310; PROCESS: HOT ROLLED; WEIGHT: 369 KG; DIMENSIONS: WD 1.5 M X LG 3 M X THK 10 MM; REFERENCE NO: 310; MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY	KG
0162453	PLATE, METAL: MATERIAL: STAINLESS STEEL; GRADE: 304; PROCESS: HOT ROLLED; WEIGHT: 153 KG; DIMENSIONS: WD 1.25 M X LG 2.5 M X THK 6 MM; MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY	KG

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0162459	PLATE, METAL: MATERIAL: STAINLESS STEEL; GRADE: 310; THICKNESS: 8 MM; WIDTH: 1 M; LENGTH: 3 M; PROCESS: HOT ROLLED; WEIGHT: 193.68 KG; WEIGHT 193.68 KG MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY	KG
0162460	PLATE, METAL: MATERIAL: VRN500; TYPE: CHUTE; WEIGHT: 760 KG; DIMENSIONS: WD 2.4 M X LG 2.5 M X THK 16 MM; MATERIAL CERTIFICATE TO BE SUPPLIED WHEN DELIVERED; AS WELL AS HARDNESS TEST	EA
0162464	PLATE, METAL: MATERIAL: 15MO3; THICKNESS: 6 MM; WIDTH: 2 M; LENGTH: 4 M; PROCESS: HOT ROLLED; WEIGHT: 640 KG; DIMENSIONS: WD 2 M X LG 4 M X THK 6 MM; FLAT STEEL, MATERIAL TEST CERTIFICATES TO BE SUPPLIED ACCORDING TO DIN 50049 TYPE 3.1.A OR 3.1.C, ALL PLATES TO BE HARD STAMPED WITH HEAT NUMBERS	KG
0162466	SHIM, STOCK: THICKNESS: 1 MM; DIMENSIONS: WD 610 MM X LG 10 M; MATERIAL: SS GR 321; BRIGHT ANNEALED STRIP IN COILS WITH SHEARED EDGES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0162467	SHIM, STOCK: THICKNESS: 0.25 MM; DIMENSIONS: WD 610 MM X LG 5 M; MATERIAL: SS GR 316; MATERIAL CERTIFICATE TO BE SUPPLIED ON DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M

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0162468	SHIM, STOCK: THICKNESS: 0.05 MM; DIMENSIONS: WD 610 MM X LG 10 M; MATERIAL: SS GR 316; MATERIAL CERTIFICATE TO BE SUPPLIED ON DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0162469	SHIM, STOCK: THICKNESS: 0.15 MM; DIMENSIONS: WD 610 MM X LG 10 M; MATERIAL: SS GR 316; MATERIAL CERTIFICATE TO BE SUPPLIED ON DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0162470	SHIM, STOCK: THICKNESS: 0.3 MM; DIMENSIONS: WD 610 MM X LG 10 M; MATERIAL: SS GR 321; BRIGHT ANNEALED STRIP IN COILS WITH SHEARED EDGES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0162472	SHIM, STOCK: THICKNESS: 0.2 MM; DIMENSIONS: WD 610 MM X LG 10 M; MATERIAL: SS GR 321; BRIGHT ANNEALED STRIP IN COILS WITH SHEARED EDGES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0162475	SHIM, STOCK: THICKNESS: 0.38 MM; DIMENSIONS: WD 305 MM; MATERIAL: SS GR 304; MATERIAL CERTIFICATE TO BE SUPPLIED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M

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0162476	SHIM, STOCK: THICKNESS: 0.4 MM; DIMENSIONS: WD 610 MM X LG 10 M; MATERIAL: SS GR 321; BRIGHT ANNEALED STRIP IN COILS WITH SHEARED EDGES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0162478	SHIM, STOCK: THICKNESS: 0.7 MM; DIMENSIONS: WD 610 MM X LG 10 M; MATERIAL: SS GR 321; BRIGHT ANNEALED STRIP IN COILS WITH SHEARED EDGES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0162479	SHIM, STOCK: THICKNESS: 0.1 MM; DIMENSIONS: WD 610 MM X LG 10 M; MATERIAL: SS GR 321; BRIGHT ANNEALED STRIP IN COILS WITH SHEARED EDGES, FOR TURBINES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0162481	SHEET, METAL: WIDTH: 1.2 M; LENGTH: 2.4 M; THICKNESS: 2 MM; MATERIAL: STL ANNEALED; FABRICATION METHOD: COLD ROLLED; REFERENCE NO: VEM317G; SMALL GENERAL PURPOSE EXPANDED MESH, SHORT WAY OF MESH 25MM, LONG WAY 50MM, STRAND WIDTH 4.5MM, MASS 12KG	M2
0162482	SHEET, METAL: WIDTH: 415 MM; LENGTH: 1 M; MATERIAL: SS GR 304 ANNEALED; FABRICATION METHOD: COLD ROLLED; SMALL GENERAL PURPOSE EXPANDED MESH, SS GR 304L, MESH DIMENSIONS: 1.2MM STRAND DIAMETER 3.15 SQAURE MILLIMETRE OPENING	M2

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0162497	SHEET, METAL: WIDTH: 1.25 M; LENGTH: 2.5 M; THICKNESS: 1.6 MM; MATERIAL: SS GR 304; FABRICATION METHOD: HOT ROLLED; SPECIFICATION: ASTM A240; BS 970-1972 PART 4; WEIGHT 39.65 KG ANTI MAGNETIC, MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY	KG
0162499	PLATE, METAL: MATERIAL: MILD STEEL; GRADE: EN43A; STANDARD: BS 4360-1972 TABLE 6; PROCESS: HOT ROLLED; WEIGHT: 942 KG; DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 40 MM; 080M50	KG
0162576	PLATE, METAL: MATERIAL: 15MO3; PROCESS: HOT ROLLED; WEIGHT: 360 KG; DIMENSIONS: WD 1.25 M X LG 2.5 M X THK 10 MM; FLAT STEEL, NOTE! MATERIAL CERTIFICATES TO BE SUPPLIED AND PLATES TO BE MARKED	KG
0162645	BAR, ROUND: NOMINAL DIAMETER: 25 MM; MATERIAL: CU SABS 182; LENGTH: 3 M; PROCESS: ANNEALED; WEIGHT: 4.5 KG/M; (N/A; Q5:NSF:NC:NEV)	KG
0162650	BAR, ROUND: NOMINAL DIAMETER: 13 MM; GRADE: CZ121; MATERIAL: BRS BS 249; LENGTH: 6 M; PROCESS: CAST CONTINUOUS; WEIGHT: 1.26 KG/M	KG
0162652	BAR, ROUND: NOMINAL DIAMETER: 19 MM; GRADE: CZ121; MATERIAL: BRS BS 249; LENGTH: 6 M; PROCESS: CAST CONTINUOUS; WEIGHT: 2.33 KG/M	KG
0162654	BAR, ROUND: NOMINAL DIAMETER: 25 MM; GRADE: CZ121; MATERIAL: BRS BS 249; LENGTH: 6 M; PROCESS: CAST CONTINUOUS; REFERENCE NO: CZ121	KG
0162656	BAR, ROUND: NOMINAL DIAMETER: 50 MM; GRADE: CZ121; MATERIAL: BRS BS 249; LENGTH: 3 M; PROCESS: CAST CONTINUOUS; WEIGHT: 16.3 KG/M; (BS249 1963; Q4:NSF:NC:NEV)	KG
0162657	BAR, ROUND: NOMINAL DIAMETER: 76 MM; GRADE: CZ121; MATERIAL: BRS BS 249; LENGTH: 2 M; PROCESS: CAST CONTINUOUS; WEIGHT: 39 KG/M	KG

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0162667	BAR, ROUND: NOMINAL DIAMETER: 38 MM; MATERIAL: CU SABS 182-1968; LENGTH: 6 M; PROCESS: ANNEALED; TO THE LATEST EDITION AND BEARING THE MARK OF APPROVAL	KG
0162678	BAR, ROUND: NOMINAL DIAMETER: 20 MM; MATERIAL: CU SABS 182-1968; LENGTH: 4 M; PROCESS: ANNEALED; WEIGHT: 2.725 KG/M; TO THE LATEST EDITION OF, AND BEARING THE SABS MARK OF APPROVAL	KG
0162679	BAR, ROUND: NOMINAL DIAMETER: 50 MM; MATERIAL: CU SABS 182-1968; LENGTH: 500 MM; PROCESS: ANNEALED; (N/A; Q5:NSF:NC:NEV;) TO THE LATEST EDITION AND BEARING THE SABS MARK OF APPROVAL	KG
0162680	BAR, ROUND: NOMINAL DIAMETER: 64 MM; MATERIAL: CU; LENGTH: 1 M; PROCESS: ANNEALED; WEIGHT: 30 KG/M	KG
0162682	BAR, ROUND: NOMINAL DIAMETER: 12 MM; MATERIAL: CU; LENGTH: 3 M; WEIGHT: 1.1 KG/M; STANDARD: SABS 182; TO THE LATEST EDITION OF THE SABS 182-1968 AND BEARING THE SABS MARK OF APPROVAL	KG
0162713	BAR, ROUND: NOMINAL DIAMETER: 76.2 MM; GRADE: PB1C; MATERIAL: BRZ PHOSPHOR BS 1400-1961; LENGTH: 2 M; PROCESS: CAST CONTINUOUS; WEIGHT: 41.05 KG/M; TO TABLE 6	KG
0162714	BAR, ROUND: NOMINAL DIAMETER: 128 MM; MATERIAL: BRZ PHOSPHOR BS 1400; PROCESS: CAST CONTINUOUS; WEIGHT: 119.33 KG/M; TO 1961 TABLE 6 TYPE	KG
0162715	BAR, ROUND: NOMINAL DIAMETER: 154 MM; MATERIAL: BRZ PHOSPHOR SABS 202; LENGTH: 500 MM; PROCESS: CAST CONTINUOUS; TO BS1400:1961 TABLE 6:TYPE PB1	KG
0162718	BAR, ROUND: NOMINAL DIAMETER: 230 MM; GRADE: PB1; MATERIAL: BRZ PHOSPHOR BS 1400-1961; LENGTH: 250 MM; PROCESS: CAST CONTINUOUS; TABLE 6	KG
0162736	BAR, ROUND: NOMINAL DIAMETER: 38 MM; GRADE: CZ121; MATERIAL: BRS BS 249; LENGTH: 4 M; PROCESS: CAST CONTINUOUS; WEIGHT: 9.56 KG/M	KG
0162757	BAR, ROUND: NOMINAL DIAMETER: 38 MM; MATERIAL: BRZ PHOSPHOR; LENGTH: 165 MM; PROCESS: CAST CONTINUOUS; OILITE	KG
0162817	SHIM, STOCK: THICKNESS: 0.072 MM; DIMENSIONS: WD 152 MM; MATERIAL: BRASS; HARD TEMPERED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0162818	SHIM, STOCK: THICKNESS: 0.101 MM; DIMENSIONS: WD 150 MM; MATERIAL: BRASS; NOTE: ITEM MUST BE PROTECTIVE PACKED AND MARKED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG

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0162821	SHIM, STOCK: THICKNESS: 0.254 MM; DIMENSIONS: WD 152 MM; MATERIAL: BRASS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0162843	SHIM, STOCK: THICKNESS: 0.15 MM; DIMENSIONS: WD 150 MM; MATERIAL: BRS TEMPERED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	M
0222771	ADAPTOR, PIPE: INLET SIZE: 50 MM; INLET CONNECTION: NPT; OUTLET SIZE: 25 MM; OUTLET CONNECTION: FPT; MATERIAL: MI GALV; HEX; SPECIFICATION BS143/52, SABS 509/55	EA

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0222772	ADAPTOR, PIPE: INLET SIZE: 32 MM; INLET CONNECTION: NPT; OUTLET SIZE: 15 MM; OUTLET CONNECTION: FPT; MATERIAL: MI GALV; HEX; SPECIFICATION BS143/52, SABS 509/55	EA
0222774	ADAPTOR, PIPE: INLET SIZE: 15 MM; INLET CONNECTION: NPT; OUTLET SIZE: 8 MM; OUTLET CONNECTION: FPT; MATERIAL: MI GALV; HEX; SPECIFICATION BS143/52, SABS 509/55	EA
0222813	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 100 X 75 MM; CONNECTION: SOCKET FUSION; MATERIAL: STL; SPECIFICATION: SABS 509-1955 TABLE 15; FEMALE BOTH ENDS	EA
0222814	REDUCER, PIPE: TYPE: BUSH; NOMINAL SIZE: 25 X 20 MM; CONNECTION: SOCKET FUSION; MATERIAL: GALV; SPECIFICATION: SABS 509-1955 TABLE 15	EA
0227371	SHIM, STOCK: THICKNESS: 0.38 MM; DIMENSIONS: WD 152 MM; MATERIAL: BRASS; WEIGHT 0.07 KG MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0227372	SHIM, STOCK: THICKNESS: 0.5 MM; DIMENSIONS: WD 152 MM; MATERIAL: BRASS; WEIGHT 0.09 KG; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0227373	SHIM, STOCK: THICKNESS: 0.75 MM; DIMENSIONS: WD 152 MM; MATERIAL: BRASS; WEIGHT 0.15 KG; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG
0227374	SHIM, STOCK: THICKNESS: 0.65 MM; DIMENSIONS: WD 152 MM; MATERIAL: BRASS; WEIGHT 0.13 KG; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	KG

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0251233	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 500 MM; MATERIAL: X20CRMOV11-1 GR 1.4922; LENGTH: 6-10 M; WALL THICKNESS: 15.5 MM; CONSTRUCTION: SEAMLESS; END TYPE: BW; SPECIFICATION: EN10216-2; MATERIAL CERTIFICATION TO EN10204/3.2; TECHNICAL REQUIREMENTS REFER TO ESKOM ORDER SPECIFICATION; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS AND THE SUPPLIER WILL COMPLY TO THE FOLLOWING STANDARD (SEE PROCUREMENT OF HIGH PRESSURE PIPEWORK AND BOILER TUBING MATERIAL STANDARD IN THE GENERATION DIVISION 240-87733094 LATEST REVISION); MATERIAL CERTIFICATION TO EN10204/3.2; CONDUCT A MATERIAL ANALYSIS (SPECTROMETER TEST) ON EACH BATCH OF MATERIAL AT THE SUPPLIER'S PREMISES PRIOR DELIVERY TO THE POWER STATION; THE POWER STATION AIA WILL BE PRESENT TO REVIEW AND VERIFIED THE SPECTROMETER RESULTS. MATERIAL NOT MEETING THE REQUIREMENTS WILL BE REJECTED; THE SPECTROMETER RESULTS MUST	M
0578671	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 438 MM; MATERIAL: 10CRM09-10 (1.7380); LENGTH: 6-11.8 M; WALL THICKNESS: 30 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 3.79 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS	M
0578673	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 470 MM; MATERIAL: X20CRMOV111-1 (1.4922); LENGTH: 6-11.8 M; WALL THICKNESS: 70 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 3.79 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS REQUIREMENTS	M
0578674	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 990 MM; MATERIAL: 10CRM0910 1.7380; LENGTH: 6-11.8 M; WALL THICKNESS: 57.6 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 3.79 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS REQUIREMENTS	M
0578676	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 245 MM; MATERIAL: 10CRM0910 1.7380; LENGTH: 6-11.8 M; WALL THICKNESS: 80 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 17 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS	M
0578677	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 446 MM; MATERIAL: 10CRM09-10 (1.7380); LENGTH: 6-11.8 M; WALL THICKNESS: 22.5 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 3.79 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS REQUIREMENTS	M

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0578678	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 245 MM; MATERIAL: X20CRMOV111-1 (1.4922); LENGTH: 6-11.8 M; WALL THICKNESS: 60 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 17 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS	M
0578679	BAR, ROUND: NOMINAL DIAMETER: OD 270 MM; MATERIAL: X20CRMOV11-1 (1.4922); LENGTH: 6-11.8 M; STANDARD: EN 10222-2; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING TEMP: 540 DEG C; MAXIMUM OPERATING PRESSURE: 17 MPA; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS	M
0578680	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 460 MM; MATERIAL: X20CRMOV11-1 GR 1.4922; LENGTH: 6-11.8 M; WALL THICKNESS: 57 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 17 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS	M
0578681	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 290.5 MM; MATERIAL: 10CRM09-10 (1.7380); LENGTH: 6-11.8 M; WALL THICKNESS: 15.2 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 0.375 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10222-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS	M

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0578682	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 500 MM; MATERIAL: X20CRMOV111-1 (1.4922); LENGTH: 6-11.8 M; WALL THICKNESS: 18 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 17 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS	M
0578683	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: ID 250 MM; MATERIAL: X20CRMOV111-1 (1.4922); LENGTH: 6-11.8 M; WALL THICKNESS: 59 MM; CONSTRUCTION: SEAMLESS; MAXIMUM OPERATING PRESSURE: 17 MPA; MAXIMUM OPERATING TEMP: 540 DEG C; SPECIFICATION: EN10216-2; STRAIGHT PIPE; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS	M
0632361	GRATING: TYPE: CATWALK; DIMENSIONS: WD 1.2 X LG 2.4 M; OPENING SIZE: 40 X 6 MM; MATERIAL: STL GALV; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0662187	FLANGE, PIPE: TYPE: BUTTWELD; BORE: 134 MM; PIPE SIZE: 133 MM; MATERIAL: STAINLESS STEEL; RATING: 5.5 BAR; STYLE: FLAT ROUND FACE; PCD: 209.55 MM; BOLT HOLES: 8; BOLT HOLE SIZE: 17.5 MM; FLANGE DIAMETER: 260 MM; USAGE DESIGN: STATOR WATER BELLOWS; OEM P/N: 1CES032X039001-1, OEM: GE STEAM POWER SERVICE; 1CES032/0390, OEM: GE STEAM POWER SERVICE; DRAWING NO: 1CES032M0538 REV 0; 1CES032/0390-1 REV 0; 1CES032/0390-2 REV 0; WITH STAINLESS STEEL BELLOWS PART NO: 1CES032X0390-1	EA

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0662857	BAR, FLAT: WIDTH: 570 MM; LENGTH: 1.36 M; THICKNESS: 50 MM; MATERIAL: CU; REFERENCE NO: TG6421; DELTA BAR TRANSFORMER WINDING CONNECTION; USED ON 11KV/400V GEOFOL RESIN ENCAPSULATED TRANSFORMER; 1600KVA; DYN11; CLASS 10N; CURRENT RATINGS PRIMARY: 84A; SECONDARY: 2309A, THE SUPPLIER SHOULD ARRANGE WITH TUTUKA ENGINEERING AND MAINTENANCE TO WITNESS TESTS AND ACCEPT THEM BEFORE THE DELTA BAR CAN BE RELEASED TO SITE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0665171	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 25 MM; MATERIAL: SS 1.4539; LENGTH: 6 M; WALL THICKNESS: 4.55 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; MAXIMUM OPERATING PRESSURE: 1000 KPA; SCHEDULE: 80; MAXIMUM OPERATING TEMP: 70 DEG C; GRADE: 904L; SPECIFICATION: ASME B36.19; 3.2 MATERIAL CERTIFICATE TO BE PROVIDED ON EVERY DELIVERY	M
0665172	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: SS 1.4539; LENGTH: 6 M; WALL THICKNESS: 3.91 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; MAXIMUM OPERATING PRESSURE: 1000 KPA; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 70 DEG C; GRADE: 904L; SPECIFICATION: ASME B36.19; 3.2 MATERIAL CERTIFICATE TO BE PROVIDED ON EVERY DELIVERY	M

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0665173	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 80 MM; MATERIAL: SS 1.4539; LENGTH: 6 M; WALL THICKNESS: 5.49 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; MAXIMUM OPERATING PRESSURE: 1000 KPA; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 70 DEG C; GRADE: 904L; SPECIFICATION: ASME B36.19; 3.2 MATERIAL CERTIFICATE TO BE PROVIDED ON EVERY DELIVERY	M
0665174	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: SS 1.4539; LENGTH: 6 M; WALL THICKNESS: 6.02 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN; MAXIMUM OPERATING PRESSURE: 1000 KPA; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 70 DEG C; GRADE: 904L; SPECIFICATION: ASME B36.19; 3.2 MATERIAL CERTIFICATE TO BE PROVIDED ON EVERY DELIVERY	M
0665178	FLANGE, PIPE: TYPE: SLIP ON; BORE: 33.7 MM; PIPE SIZE: 25 MM; MATERIAL: STAINLESS STEEL; RATING: 16 BAR; STYLE: FF; GRADE: 904L; SPECIFICATION: BS4504-16/3; PCD: 85 MM; BOLT HOLES: 4; SCHEDULE: 80; BOLT HOLE SIZE: 14 MM; FLANGE DIAMETER: 115 MM; USAGE DESIGN: PIPE CONNECTOR; UNSN08904; FLANGE THK: 16MM; MATERIAL CERTIFICATE 3.2 TO BE PROVIDED ON EVERY DELIVERY	EA
0665185	FLANGE, PIPE: TYPE: SLIP ON; BORE: 60.3 MM; PIPE SIZE: 50 MM; MATERIAL: STAINLESS STEEL; RATING: 16 BAR; STYLE: FF; GRADE: 904L; SPECIFICATION: BS4504-16/3; PCD: 125 MM; BOLT HOLES: 4; SCHEDULE: 40; BOLT HOLE SIZE: 18 MM; FLANGE DIAMETER: 165 MM; USAGE DESIGN: PIPE CONNECTOR; UNSN08904; FLANGE THK: 18MM; MATERIAL CERTIFICATE 3.2 TO BE PROVIDED ON EVERY DELIVERY	EA
0665187	FLANGE, PIPE: TYPE: SLIP ON; BORE: 88.9 MM; PIPE SIZE: 80 MM; MATERIAL: STAINLESS STEEL; RATING: 16 BAR; STYLE: FF; GRADE: 904L; SPECIFICATION: BS4504-16/3; PCD: 160 MM; BOLT HOLES: 8; SCHEDULE: 40; BOLT HOLE SIZE: 18 MM; FLANGE DIAMETER: 200 MM; USAGE DESIGN: PIPE CONNECTOR; UNSN08904; FLANGE THK: 20MM; MATERIAL CERTIFICATE 3.2 TO BE PROVIDED ON EVERY DELIVERY	EA
0665189	FLANGE, PIPE: TYPE: SLIP ON; BORE: 114.3 MM; PIPE SIZE: 100 MM; MATERIAL: STAINLESS STEEL; RATING: 16 BAR; STYLE: FF; GRADE: 904L; SPECIFICATION: BS4504-16/3; PCD: 180 MM; BOLT HOLES: 8; SCHEDULE: 40; BOLT HOLE SIZE: 18 MM; FLANGE DIAMETER: 220 MM; USAGE DESIGN: PIPE CONNECTOR; UNSN08904; FLANGE THK: 20MM; MATERIAL CERTIFICATE 3.2 TO BE PROVIDED ON EVERY DELIVERY	EA
0665206	ELBOW, PIPE: SIZE: 25 MM; CONNECTION: SW; MATERIAL: STAINLESS STEEL; DEGREE: 90; RATING: 10 BAR; SCHEDULE: 80; GRADE: 904L; SPECIFICATION: ASME B16.11; WALL THICKNESS: 4.55 MM; TYPE: FORGE BEND; UNSN08904; MATERIAL CERTIFICATE 3.2 TO BE PROVIDED ON EVERY DELIVERY	EA
0665207	ELBOW, PIPE: SIZE: 50 MM; CONNECTION: BW; MATERIAL: STAINLESS STEEL; DEGREE: 90; RADIUS: LONG; RATING: 10 BAR; SCHEDULE: 40; GRADE: 904L; SPECIFICATION: ASME B16.11; WALL THICKNESS: 3.91 MM; TYPE: BEVEL; UNSN08904; MATERIAL CERTIFICATE 3.2 TO BE PROVIDED ON EVERY DELIVERY	EA

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0665208	ELBOW, PIPE: SIZE: 80 MM; CONNECTION: BW; MATERIAL: STAINLESS STEEL; DEGREE: 90; RADIUS: LONG; RATING: 10 BAR; SCHEDULE: 40; GRADE: 904L; SPECIFICATION: ASME B16.11; WALL THICKNESS: 5.49 MM; TYPE: BEVEL; UNSN08904; MATERIAL CERTIFICATE 3.2 TO BE PROVIDED ON EVERY DELIVERY	EA
0665210	ELBOW, PIPE: SIZE: 100 MM; CONNECTION: BW; MATERIAL: STAINLESS STEEL; DEGREE: 90; RADIUS: LONG; RATING: 10 BAR; SCHEDULE: 40; GRADE: 904L; SPECIFICATION: ASME B16.11; WALL THICKNESS: 6.02 MM; TYPE: BEVEL; UNSN08904; MATERIAL CERTIFICATE 3.2 TO BE PROVIDED ON EVERY DELIVERY	EA
0674964	ELBOW, PIPE: SIZE: 50 MM; CONNECTION: BEVELLED ENDS; MATERIAL: STAINLESS STEEL; DEGREE: 90 DEG C; RADIUS: LONG; RATING: 10 BAR; SCHEDULE: 40; GRADE: 316; SPECIFICATION: BS1640; WALL THICKNESS: 3.91 MM; TYPE: BUTT WELD; TYPE 3.1 MATERIAL CERTIFICATE TO BE PROVIDED ON DELIVERY	EA
0674969	FLANGE, PIPE: TYPE: FLAT FACE; BORE: 60.3 MM; PIPE SIZE: 50 MM; MATERIAL: STAINLESS STEEL; RATING: 16 BAR; STYLE: FF; GRADE: 316L; SPECIFICATION: BS 4504-16/3; PCD: 125 MM; BOLT HOLES: 4; SCHEDULE: 40; BOLT HOLE SIZE: 18 MM; FLANGE DIAMETER: 165 MM; USAGE DESIGN: 18 MM; TYPE 3.1 MATERIAL CERTIFICATE TO BE PROVIDED ON DELIVERY	EA

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0674972	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 50 MM; MATERIAL: STAINLESS STEEL; LENGTH: 6 MM; WALL THICKNESS: 3.91 MM; CONSTRUCTION: SEAMLESS; END TYPE: PLAIN END; MAXIMUM OPERATING PRESSURE: 1000 KPA; SCHEDULE: 40; RATING: 10 BAR; MAXIMUM OPERATING TEMP: 70 DEG C; GRADE: 316; SPECIFICATION: BS 3605; TYPE 3.1 MATERIAL CERTIFICATE TO BE PROVIDED ON DELIVERY	M
0683256	ADAPTOR, PIPE: INLET SIZE: 1/2 IN; INLET CONNECTION: JIC MALE; OUTLET SIZE: 3/4 IN; OUTLET CONNECTION: JIC MALE; MATERIAL: GALVANIZED; STRAIGHT 37 LIC SAE FLARE MALE TUBE UNION	EA
0683258	ADAPTOR, PIPE: INLET SIZE: 3/4 IN; INLET CONNECTION: 3/4 IN JIC MALE; OUTLET SIZE: 3/4 IN; OUTLET CONNECTION: 3/4 IN NPT MALE; MATERIAL: GALVANIZED; STRAIGHT 37 MALE JIC X NPTF MALE PIPE CONNECTOR	EA
0683263	ADAPTOR, PIPE: INLET SIZE: 1/2 IN; INLET CONNECTION: JIC MALE; OUTLET SIZE: 1/2 IN; OUTLET CONNECTION: NPTF MALE; MATERIAL: GALVANIZED; STRAIGHT CONNECTION 37 MALE JIC NPT MALE PIPE CONNECTOR	EA
0683265	ADAPTOR, PIPE: INLET SIZE: 1/2 IN; INLET CONNECTION: 1/2 IN JIC MALE; OUTLET SIZE: 1/2 IN; OUTLET CONNECTION: 1/2 IN JIC MALE; MATERIAL: GALVANIZED; STRAIGHT 37 JIC SAE FLARE MALE TUBE UNION	EA
0683268	ADAPTOR, PIPE: INLET SIZE: 3/4 IN; INLET CONNECTION: 3/4 IN JIC MALE; OUTLET SIZE: 3/4 IN; OUTLET CONNECTION: 3/4 IN JIC MALE; MATERIAL: GALVANIZED; STRAIGHT 37 JIC SAE FLARE MALE TUBE UNION	EA

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0683298	ELBOW, PIPE ADAPTOR: SIZE: 1/2 IN; INLET CONNECTION: 1/2 IN NPTF MALE; OUTLET CONNECTION: JIC MALE; MATERIAL: GALVANISED; DEGREE: 45; 37 DEG JIC MALE 1/2 X NPTF MALE 1/2 INCH 45 DEG ELBOW	EA
0691872	BEND, PIPE: OUTSIDE DIAMETER: 13 MM; CONNECTION: FERRULE; MATERIAL: ACRILIC 12/8; DEGREE: 90; RADIUS: 2 M; TYPE: U-TUBE	EA
0691886	COUPLING, PIPE: SIZE: ID 336 X OD 342 MM; CONNECTION: BOLTED; MATERIAL: STEEL; RATING: 750 KPA; SPECIFICATION: (VJ); SCHEDULE: 80; GRADE: 106; STYLE: STRAIGHT; COLOR CODING: GREEN; MEDIA FOR WHICH DESIGNED: POTABLE WATER	EA
0697482	BEND, CONDUIT: TYPE: RIGID; OUTSIDE DIAMETER: 20 MM; MATERIAL: PVC; DEGREE: 90 DEG; RADIUS: 135 MM; CONNECTION: PUSH ON; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0722054	GRATING: TYPE: EN-9; DIMENSIONS: WD 860 X LG 910 X THK 20 MM; OPENING SIZE: 20 MM; MATERIAL: STAINLESS STEEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0724511	ADAPTOR, PIPE: INLET SIZE: 1/4 IN; INLET CONNECTION: STRIATE; OUTLET SIZE: 9/16 IN; OUTLET CONNECTION: MALE THREAD TO TUBE FITTING ADAPTER; MATERIAL: S/S; HIGH PRESSURE MALE THREAD TO FEMALE PIPE CONNECTORS; 316 S/S IPT SERIES ADAPTER; HIGH PRESSURE MALE THREAD TO TUBE FITTING ADAPTER TUBE ; OD 1/4 TO THREAD SIZE 9/16 10200 PSI (702 BAR).	EA

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0731146	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 100 MM; MATERIAL: CAST STEEL; LENGTH: 6 MM; WALL THICKNESS: 1 MM; CONSTRUCTION: ROUND; END TYPE: BEVELLED; MAXIMUM OPERATING PRESSURE: 10 BAR; MAXIMUM OPERATING TEMP: 120 DEG C; GRADE: B; MANUF P/N: R-20TK1001; MUST BE STAMPED WITH CODES; MEET THE CONNECTION SANS 1123; PROVIDE QUALITY MANUFACTURING DOCUMENTS WELDING TEST RESULTS AND PRESSURE CERTIFICATES	EA
0731628	CHANNEL, STRUCTURAL: WIDTH: 90 MM; LENGTH: 13 M; HEIGHT: 230 MM; MATERIAL: MILD STEEL; BASIC SHAPE STYLE: PARALLEL FLANGE; PROCESS: AS ROLLED; GRADE: S355 JR+AR; WEIGHT: 32.2 KG/M; WALL THICKNESS: 14 MM; TO BE SUPPLIED WITH 2.1 MATERIAL CERTIFICATE	EA
0732916	PLATE, METAL: MATERIAL: CARBON STEEL; PROCESS: HOT ROLLED; WEIGHT: 150 KG; DIMENSIONS: WD1250 x LG 2500 x THK 6 MM	KG
0747542	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB 350 MM; MATERIAL: CARBON STEEL; LENGTH: 6 M; WALL THICKNESS: 11.3 MM; CONSTRUCTION: GALVANIZED; END TYPE: FLANGED; MAXIMUM OPERATING PRESSURE: 16 BAR; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 80 DEG C; GRADE: ASTM A795	EA

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0747543	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 300NB MM; MATERIAL: CARBON STEEL ASTM A795; LENGTH: 6 M; WALL THICKNESS: 10.31 MM; CONSTRUCTION: GALVANIZED; END TYPE: FLANGE; MAXIMUM OPERATING PRESSURE: 16 BAR; SCHEDULE: 40; RATING: CLASS 150; MAXIMUM OPERATING TEMP: 80 DEG C; GRADE: ASTM A795; SPECIFICATION: 300NB, SCHEDULE 40, 6MM LONG, SW END FLANGES, GALVANIZED; BLACK AND HOT GALVANIZED; SW END FLANGES; APPLICATION: FIRE PROTECTION SYSTEM; EXTERNAL APPEARANCE: RED COATED AS PER FIRE SYSTEM STANDARD; OUTSIDE DIAMETER: 323.8MM; STANDARD: ASME B36.10M; WEIGHT: 79.73 KG/M	EA
0747547	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: NB 400 MM; MATERIAL: CARBON STEEL; LENGTH: 6 M; WALL THICKNESS: 12.7 MM; CONSTRUCTION: GALVANIZED; END TYPE: FLANGE; MAXIMUM OPERATING PRESSURE: 16 BAR; SCHEDULE: 40; MAXIMUM OPERATING TEMP: 80 DEG C; GRADE: ASTM A795	EA
0747553	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 600 MM; MATERIAL: CARBON STEEL; LENGTH: 6 M; WALL THICKNESS: 17.48 MM; CONSTRUCTION: GALVANIZED; END TYPE: FLANGED; MAXIMUM OPERATING PRESSURE: 16 BAR; SCHEDULE: 40; RATING: CLASS 150; MAXIMUM OPERATING TEMP: 80 DEG C; GRADE: ASTM A795	EA

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0750510	GRATING: TYPE: MILD CARBON STEEL GALVANISED; DIMENSIONS: WD 1000 X LG 480 X HT 60X THK 10 MM; OPENING SIZE: 40 X 35 MM; MATERIAL: MILD STEEL; BEARER BAR SIZE: 10 MM; SUPPLIER TO PROVIDE MATERIAL CERTIFICATION; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0756562	BAR, ROUND: NOMINAL DIAMETER: 80 MM; MATERIAL: 10CRMO; LENGTH: 1000 MM	EA
0758150	ANGLE, STRUCTURAL: LEG LENGTH: 70 MM; MATERIAL THICKNESS: 10 MM; LENGTH: 6 M; MATERIAL: MILD STEEL; PROCESS: HOT DIPPED GALVANISED; WEIGHT: 10.3 KG/M; SPECIFICATION: BS4360; GRADE: EN43A	KG
0759281	BEAM: TYPE: BEAM; LENGTH: 13 M; MATERIAL: S355 JR; WIDTH: 73 MM; HEIGHT: 140 MM; THICKNESS: 73 MM; SPECIFICATION: S355 JR+AR EN 10025-2 AS ROLLED; LOAD CAPACITY: 150; MATERIAL CARTIFICATE MUST BE SUPPLIED WITH DELIVERY	EA
0761054	BEND: TYPE: LONG RADIUS; DIMENSIONS: DIA 686 X LG 1693 X THK 25 MM; MATERIAL: UST 37-2; DEGREE: 90 DEG; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0761055	BEND: TYPE: SHORT RADIUS; DIMENSIONS: DIA 686 X LG 1390 X THK 25 MM; MATERIAL: UST 37-2; DEGREE: 45 DEG; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA

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0761280	CHANNEL: TYPE: PARALLEL FLANGE; MATERIAL: STEEL; GRADE: S355JR + AR EN 10025-2; DIMENSIONS: 230MM X 90MM, 13M LONG; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA
0762011	BEAM: TYPE: BEAM; LENGTH: 13 M; MATERIAL: STEEL; WIDTH: 165.1 MM; HEIGHT: 303.8 MM; THICKNESS: 41 MM; SPECIFICATION: S355 JR+AR EN 10025-2 AS ROLLED; LOAD CAPACITY: 40.5 KG/M	EA
0762031	BEAM: TYPE: BEAM; LENGTH: 13 M; MATERIAL: STEEL; WIDTH: 146.1 MM; HEIGHT: 251.5 MM; THICKNESS: 31 MM; SPECIFICATION: S355 JR+AR EN 10025-2 AS ROLLED; LOAD CAPACITY: 31.3 KG/M	EA
0767425	GRATING: TYPE: STEEL; DIMENSIONS: WD 1.2 M X LG 2.4 M X 4.5 MM; OPENING SIZE: 40 X 4.5 MM; MATERIAL: STAINLESS STEEL; BEARER BAR SIZE: 40 MM; MATERIAL CRTIFICATE TO BE SUPPLIED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA

Method Statement indicating Adherence to National Standards and Regulations

The SANS Classification System/South African Bureau of Standards (SABS) has developed and instituted standards that reflect international best practice while addressing local requirements for structural steel. Governing standards for steel fabrication and testing that the contractor shall adhere to include but are not limited to:

- SANS 50025 (Equivalent to EN 10025): Hot-rolled products of structural steels
- SANS 50031 (Equivalent to EN 10031): Cold formed structural hollow sections
- SANS 1431: Weldable structural steel
- SANS 52 (Equivalent to ISO 630): Structural steels
- SANS 1700: Fastener steels
- ISO 17638 Non-destructive testing of welds — Magnetic particle testing
- SANS 14713: Protection against corrosion of iron and steel in structures-Zinc and aluminium coatings-Guidelines

The Supplier

1. Adheres to the South African Environment Protection Act, the waste management code of practice and the South African Occupational Health and Safety Act No. 85 of 1993, the regulations promulgated thereunder and Eskom Safety, Health, Environment and Quality (SHEQ) Policy 32-727 and Waste Management Procedure, as well as the plan from KWS for all works.
2. Submits a comprehensive programme including lead times of the entire works to the *Supply Manager* for acceptance prior to the start of the works.
3. Submit a project specific safety file to the *Purchaser* for acceptance, prior to the start of the works.
4. Submit a detailed level 4 schedule for the works to the *Supply Manager* for acceptance after contract award.
5. Manage his access to the working areas and the site to ensure none of the existing plant that is not in the scope is damaged during execution of scope.

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6. Manage his activities on Site to ensure that no interference takes place between his work and that of others.
7. Maintain and promote labour harmony on the Site and in the working environment.
8. Immediately report any potential labour disharmony to the *Supply Manager*..

2.1 Purchaser's design

As per OEM. The *Supplier* must supply the *Purchaser* with warrantee certificates, test certificates and the complete data book of the steel at the time of delivery which shall be uploaded into the SAP system Goods Receipt document with delivery by the *Supplier*.

The *Contractor* shall conduct all necessary testing to ensure that the supplied equipment is in a serviceable state prior to delivery on site. The performance of the equipment maintenance sheets/schedules to be submitted to the *Purchaser* for approval prior to the delivery of equipment on site.

Data Pack must consist of the following but not limited to:

Coupon testing to be conducted on steel coupons (samples), testing shall include the following (but not limited to):

- **Corrosion Coupon Testing:** To evaluate the corrosion rate of steel in a specific environment (Tutuka Power Station)
- **Mechanical and Chemical Coupon Testing:** To determine the basic properties of the steel material (i.e Tensile Strength, Yield Strength, Young's Modulus, Fracture Toughness, Fatigue Life etc.)
- **Weldability:** For weldable structural steels like those under SABS 1431, tests and certifications confirm they can be readily welded using common arc welding processes.
- **Impact Testing:** For certain applications requiring enhanced toughness, steel grades with specific impact test requirements are available and specified.
- **Radiographic Testing**
- **Magnetic Particle Testing to ISO 17638**
- **Welder performance certificate and specification - SAQCC- Competent Persons as per ISO (where applicable)**

2.2 Procedure for submission and acceptance of Supplier's design

Prior to commencement of manufacture *Supplier* must ensure the following:

- 1) Technical Data Sheets seen, discussed and approved by the *Purchaser's* representative.
- 2) Quality control plan approved by the *Purchaser's* representative

2.3 Other requirements of the Supplier's design

As per OEM and *Purchaser's* specifications (Data pack as specified in section 2.1 of the works information)

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Not Applicable

2.5 Manufacture & fabrication

- QC to be done with the end user before delivery to site. *Supplier* will be required to provide data Pack for all manufactured and assembled components where applicable. *The Purchaser* reserves the right to conduct site/workshop inspections as any stage of the manufacture

2.6 Factory acceptance testing (FAT)

1. Materials not meeting the requirements will be rejected
2. All the documentation will be evaluated by engineering upon delivery before acceptance of the

Note material will not be accepted without the material certificates

2.7 Other tests and inspections and commissioning in place of use

Not applicable

2.8 Operating manuals and maintenance schedules

The *Supplier* to provide Handling and storage requirements for all steel delivered

Supply Requirements

- a) The supply of Steel is on an as and when required basis
- b) All equipment / spares must be on time of required order date.
- c) Transported to Tutuka by *Supplier's* costs and means.
- d) End user to be informed when delivery will be done at least 2 days upfront.
- e) No deliveries to be done on a Weekend or public holiday except on an emergency basis indicated by the *Purchaser*.
- f) The *Supplier* must deliver the steel between 08:30 to 15:30 Mondays to Thursdays and 8:30 to 11:30 on Fridays. No deliveries to be done on weekends unless prior arrangements done with the *Supplier*, *Purchaser* and stores.
- g) Pallets to convey the steel must be strong enough to carry and transport load at any time.
- h) The *Supplier* will ensure proper handling of the steel (from procurement of equipment, storage and transportation).
- i) The *Supplier* shall supply preservation and storage procedures.
- j) steel to be clearly marked and packed according to the required specifications.
- k) The *Supplier* must ensure that the supply and preservation of steel is done in compliance with preservation specifications and good engineering practice.
- l) The *Supplier* to advise the *Purchaser's* warehouse/stores on effective storage of spares and preservation.
- m) *Contractor* on site must supply a SAPS clearance certificate to the *Employer* before contract start and every 12 months thereafter for all *Contractor's* employees to ensure continued access to site. This will also be handed in to security for *Contractor* to obtain access permits.
- n) Acceptance of this tender is subject to the condition that both the contracting company's management and its employees will provide Eskom with a clear criminal record not older than thirty (30) days from a reputable screening company. If the principal *Contractor* appoints a subcontractor, the same provisions

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and measures will apply to the subcontractor. Acceptance of the tender is also subject to the condition that the *Contractor* will implement all such security measures for the safe performance of the work as required in the scope of the contract.

- o) *Contractors* are to submit proof of verification record(s) (Security clearance) from SAPS or accredited supplier linked to SAPS AFIS system not older than thirty (30) days, as part of Risk Management process in order to curb any threats against the Installation. It is compulsory for these documents to be submitted to Security for verification before access to site is granted. Only individuals with clear criminal records will be considered.
- p) *Contractors* are required to submit the SAPS Clearance Certificate obtained by the employee along with a copy of his/her Identity Document or Passport to the site Security Manager. The Security Manager is required to verify the authenticity of the CRC Certificate with SAPS and to cross reference the employee seeking access against known HR databases and site databases to determine if the employee in question has in the past participated in disruptive labour actions and if the individual was dismissed from Eskom and the reason for such dismissal. Every employee applying for access must be evaluated as an individual and subsequent finding recorded. A risk analysis of the employee profile indicating whether the employee is a risk to the installation must be completed. Any risk rating allocated above a level III will be deemed unsuitable.
- q) The process shall be repeated every 12 months for low-risk employees (Risk Rating 5, 4) and every 6 months for medium to high-risk employees.

Packaging / Crating

- a) All supplied steel shall be packaged in such a manner that they will be transported and stored without damage. This includes preventing damage due to moisture ingress, dust and foreign objects. The *Supplier's* procedure shall be used Transportation and Storage.
- b) Where possible, packaging to be such that procured steel can be positively identified through the packaging. Where this is not possible, the packaging to be such that it allows opening and closing of packaging and still maintain the packaging integrity thereafter.

4 Specification of the services to be provided.

- a) Access to site to be arranged before delivery date.
- b) No Delivery will be accepted without an official contract release order.
- c) *Supplier* delivery note must indicate partial delivery if partial delivery is made.
- d) The stock number, quantity and material short description must be stated on the delivery note.
- e) Each delivery to be recorded on receiving register and each delivery note must have unique number.
- f) material must be well packaged and safely transported.

5 Constraints on how the Supplier Provides the Goods**5.1 Programming constraints**

- a) All supplied steel must be on time of required order date.
- b) End user to be informed when delivery will be done at least 2 days upfront to allow for access and offloading arrangements
- c) Lead time to be negotiated upfront to ensure that end user will receive the steel on time.
- d) All vehicles to be roadworthy.
- e) The *Supplier* will be responsible for the safe transportation of all steel from the *Supplier's* site to the *Purchaser* offloading point and liable for any damages or stolen goods.

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- a) Transported by road on *Supplier's* costs and transport.
- b) The *Purchaser* to acknowledge receipt of goods by stamping and signing the delivery note of the *Supplier* upon delivery, rejected items to be communicated after the official quality inspection is done on site by the end user of the spares rejected goods must be collected and the corrected within 7. days
- c) Only steel specified will be accepted. Any steel that does not meet the specifications will be rejected.
- d) QC to be conducted prior to acceptance of goods, no incorrect, damaged, or faulty spares will be accepted
- e) Ensure that the delivered goods are signed for.
- f) All the spares will be inspected and accepted by Purchaser QC and / or Engineering before payment can be processed
- g) Upon delivery of the steel at the Eskom stores, an inspection of goods and the receipt must be conducted by the End-user and the *Supplier* with 48 hours of delivery.

5.3 Marking the goods

materials to be clearly mark and packed according to the required specifications as follows:

- a) Purchase Order Number
- b) Part Description
- c) Part number
- d) Drawing number, where applicable
- e) Physical address of Tutuka Power Station and the *Supplier*
- f) Contact details of the *Supplier*
- g) Delivery note number
- h) Certificates according to EN 10204-3.2.

5.4 Constraints at the delivery place and place of use

- a) The *Purchaser* will determine the offloading point at time.
- b) All deliveries shall be arranged within Tutuka Power Station during normal working hours
- c) The *Supplier* applies for temporary access permits (Contractor's Permit) at the Security gate, prior to the Possession Date.
- d) The *Supplier's* personnel are required to be always in possession of Permit.
- e) All *Supplier's* personnel are issued with a temporary access permit which contains the following information:

- Name
- ID Number
- Company
- Validity date

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Roles and Responsibilities

5.4.1.1 Supplier

1. To Supply and Delivery of steel for Tutuka Power Station in accordance to specifications and technical requirements on this document.
2. *Supplier* shall submit all documentation as requested by the *Purchaser* during manufacturing and before delivery from manufacturer.
3. *Supplier* to provide schedule on deliveries of spares and lead times.
4. Material certification shall be in accordance with EN 10204 3.2 in all cases

5.4.1.2 Purchaser

- a) Compiles and submit scope of work with technical specifications and technical drawings where required.
- b) Performs Quality Control of all steel on delivery at the *Purchaser* premises.

5.5 Cooperating with Others

- a) The Supplier cooperates with the store's personnel during Delivery.
- b) The Supplier co-operates with the Purchaser's 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) The *Purchaser* will determine the offloading point and time.
- b) The *Purchaser* will provide resources to offload the spares being delivered (Forklift and cranes)
- c) The *Supplier* will offload small spares.
- d) *Purchaser* to ensure access to site for deliveries during normal hours.
- e) *Purchaser* to arrange induction.
- f) *Supplier* to provide proper transportation for spares.
- g) Forklift/ overhead crane with driver will be supplied by *Purchaser* for offloading.
- h) The availability of rigging equipment, cranes or forklift and the relevant operators must be confirmed with the Tutuka Power Station (*Supply manager*) before dispatching the *goods*.

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:
Kick-off meeting	1 week after contract date	Tutuka Power Station	<i>Supply Manager</i> and <i>Supplier</i>
Risk Register and Compensation Events	As and when required	Tutuka Power Station	Supply Manager and Supplier
Overall contract progress and feedback	Monthly	Tutuka Power Station	Supply Manager and Supplier

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

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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.

Attendance of meetings as required by *Purchaser* Such as: -

- a) Any meeting requested by the *Purchaser* or *Supplier*

5.8 Documentation control

- a) 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 e mail itself.
- b) The *Supplier* will supply any additional information such as brochure, general arrangement drawing, certificates, detailed specification, data sheet, Settings Document for programmable electronic cards etc. Check sheets or drawings for quality inspections
- c) The *Supplier* shall supply preservation and storage procedure/s, where applicable.
- d) Each instruction, certificate, submission, proposal, record, acceptance, notification, reply and other communication which this contract requires is communicated in a form which can be read, copied and recorded.
- e) Writing is in the Language of this contract.
- f) All reports to be discussed, compiled, and handed in to the *Purchaser*.
- g) All communications must be printed and filed in the *Purchaser* file

5.9 Health and safety risk management

The *Supplier* shall comply with the health and safety requirements contained in Annexure SHE Specification 14RISK SRM – 084 to this Service Information.

- a) All The *Purchaser's* health and safety procedures and regulations to be adhered to by the *Supplier*.
- b) A SHEQ file to be handed in at the SHEQ department for approval prior to work commencement and kept up to date for the duration of the contract.

SHEQ Policy

Eskom SHEQ Policy

The *Purchaser* has made a commitment to conduct business with respect and care for people, the environment and assets and that no operating condition or urgency of service justifies exposing anyone to negative risks arising from the *Purchaser* business.

Compliance with the *Purchaser's* SHEQ Policy and applicable regulations is the responsibility of every employee and *Supplier*.

Supplier's SHEQ Policy

All *Contractors* shall have an OHS policy signed by the CEO of the *Supplier* and prominently displayed where employees normally report for duty.

Signed copy of the OHS policy shall form part of the SHEQ file.

SHE PLAN REQUIREMENTS: -

- a) Principal *Contractors* shall develop a suitable and sufficiently documented site specific SHE plans, based on the scope of work and client SHEQ specification.
- b) The SHE plans must be pre-approved by the client for implementation. The principal *Supplier/ Supplier* has a responsibility to send the SHE plans to the client for approval prior to commencement of work.

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- c) The SHE plans must be applied from the commencement of and for the duration the construction work, which must be updated / reviewed as the work progresses / changes.

When a principal *Supplier* intends appointing *Contractor*, the principal *Supplier* shall ensure that the *Supplier* provides and demonstrate a suitable, sufficiently documented and coherent site-specific health and safety plan, based on the client's SHEQ specifications and scope of work.

Health and Safety Arrangements

The *Supplier* ensures that all his personnel attend a Health and Safety Induction Course prior to contract starting date, and annual re- induction. The Induction Course is presented by the *Employer's* Safety Risk Department at the *Employer*. Arrangements are made with Safety Risk Management, by the *Contractor*.

The *Employer's* Safety Risk Manager visits and inspects the *Contractor's* workplace or site yard and the working areas to ensure that tools; machinery and Equipment comply with the minimum safety requirements.

The *Supply Manager* may instruct the *Supplier* to stop work, where the *Contractor's* personnel fail to conform to safety standards or contravene health and safety regulations. Such stop-work order is not a compensation event. The *Supply Manager* may instruct the *Supplier* to discipline his employees and to submit a disciplinary action report to the *Supply Manager*. The *Supplier* implements additional health and safety precautions where necessary.

Health and safety

The *Supplier* complies with the Occupational Health and Safety Act 85 of 1993, as well as per the *Employer's* procedure as stipulated below:

- d) SHEQ Policy 32-727
- e) The *Purchaser's* Procurement and Supply Chain Management Procedure 32-1034
- f) SHE Requirements for the *Purchaser's* Commercial Process 32-726
- g) *Supplier* Health and Safety Requirements 32-136
- h) Integrated SHE Organization, Roles and Responsibilities and Statutory Appointments 32- 296
- i) Live-saving Rules 240-62196227
- j) Working at Heights 32-418
- k) The *Purchaser's* Vehicle Safety Specifications 32-345
- l) the *PurchaserSupplier* SHEQ Specifications 14RISK SRM - 084

Site Regulations and Procedures**Site Regulations**

The latest revision the *Purchaser's* Site Regulations form part of this contract.

Copies of these procedures are available on request.

(Any additional site regulations implemented will be applicable)

Safety risk management

"Standard for health and safety at Tutuka Power Station - requirements to be met by *Contractors*".

Vehicle and driver safety

All drivers, passengers and pedestrians must obey vehicle safety requirements in terms of the National Road Traffic Act, Act No 93 of 1996, as amended, including other relevant provincial or local requirements.

Speed Limit

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All vehicles must be driven with due consideration for personnel and property. All speed limits will be adhered to on the premises at all times.

Transportation of passengers: open LDV's:

With effect from 31 May 2006 no *purchaser's* employee or *Supplier* would be allowed to transport passengers on the back of open light delivery vehicles (LDV's). It is a legal requirement to provide safe transportation of the *purchasers* and *Supplier* employees – therefore the following will be enforced:

The Employer's Life Saving Rules:

Five Life Saving Rules have been developed that will apply to all the *Employer's* employees, agents, Consultants and Contractors.

- a) Rule 1: Open, Isolate, Test, Earth, Bond, And / Or Insulate before touch - that is any plant operating above 1 000 V.
- b) Rule 2: Hook up at heights - no person may work at height where there is a risk of falling.
- c) Rule 3: Buckle up – no person may drive any vehicle for the *Employer's* business and/or on the *Employer's* premises: unless the driver and all passengers are wearing seat belts.

The *Purchaser* takes a "ZERO TOLERANCE" attitude to drivers and passengers who do not wear safety belts when driving in a vehicle for the *Employer's* Business and / or on the *Employer's* premises. The violation of this very important safety rule as well as any safety rule while performing work for or on behalf of the *Purchaser* may result in the *Purchaser* terminating your obligation to perform work in terms of your contract with the *Employer*.

All occupants must wear their safety belts properly and must never put the shoulder belt under their arm or behind their backs. Drivers and all passengers must buckle-up at all times for the sake of themselves and their families.

- d) Rule 4: Be sober (no person is allowed to work under the influence of drugs and Alcohol.
- e) Rule 5: Use a permit to work – where an authorization limitation exists, no person shall work without the required permit to work.

The *Supplier* acknowledges that it is fully aware of the requirements of all the above and undertakes to employ only people who have been duly authorised in terms thereof and who have received sufficient safety training to ensure that they can comply therewith.

The *Supplier* undertakes not to do, or not to allow anything to be done which will contravene any of the provisions of the Act, Regulations or Safety and Operating Procedures.

The *Supplier* shall appoint a person who will liaise with the *Purchaser's* Safety Officer responsible for the premises relevant to this contract.

Do safety audits at the *Contractor's* premises, its workplaces and on its employees;

Refuse any employee, sub-*Supplier* or agent of the *Supplier* access to its premises if such person has been found to commit any unlawful act or any unsafe working practice or is found to be not authorised or qualifies in terms of the OHSACT.

Issue the *Supplier* with a work stop order or a compliance order should *Purchaser* become aware of any unsafe working procedures or conditions or any non-compliance with the Act, Regulations and Procedures by the *Supplier* or any of its employees, sub-Contractors or agents.

The *Contractors* Health and safety file is to be submitted for approval to the *Purchaser's* Safety Officer before contract commencement.

All work stoppages called by the *Purchaser* to be adhered to

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Supplier's Responsible to ensure that his Letter of Good standing is valid at all times as stipulated in the construction regulations point 7 (C) (iv) and she specifications 2.5.2 (iv) and 3.10 *Supplier* will not be allowed on site if his letter of good standing is not valid.

Security, fire protection and safety

The *Supplier* shall be responsible for ensuring the security of the works, and of his plant, equipment and materials. To that end he shall make adequate provision for access control, lighting and watchman to the works where required.

Fire protection

The provision of the *Employer's* standard NWS 1494 "Fire Prevention and Protection of *Contractor's* premises at New Works sites" shall be applicable.

Safety and incident prevention

The *Supplier* shall implement and maintain an active Site Safety and Accident Prevention Programme in accordance with the the *Puchaser's* SHEQ Specifications. The overriding regulations will however be the Occupational Health and Safety Act.

Incident Management, Corrective & Prevention Action Procedure to be adhered to – 14Risk IM PC-019

Reporting of accidents

The *Purchaser* follows an accident prevention policy that includes the investigation of all accidents involving personnel and property. This is done with the intention of introducing control measures to prevent a recurrence of the same incidents. The *Supplier's* expected to fully co-operate to achieve this objective. The *Supply Manager* must be informed immediately of any incidents. A written report to be submitted to the *Purchaser* within 24 Hours of incidents and any damage to property or equipment.

NOTE! This report does not relieve the *Supplier* of his legal obligations to report certain incidents to the Department of Labour, or to keep records in terms of the Occupational Health and Safety Act, and Compensation for Occupational Injuries and Diseases Act.

Occupational Health and Safety Act 85 Of 1993 – SECTION 37

In accordance with Section 37 (2) of the Act, the *Supplier's* appointed by the *Purchaser's* mandatory to assume Health and Safety duties and responsibilities. The *Supplier* ensures compliance with all requirements of the Act and any instruction or notification that enhances those requirements.

The *Supplier* acknowledges that he is fully aware of all the requirements of the Occupational Health and Safety Act and undertakes to employ only staff who have been duly authorised in terms thereof and who receive sufficient safety training to ensure that they can comply therewith.

The *Supplier* undertakes not to do, and not to allow anything to be done which will contravene any of the provisions of the Act, Regulations or Safety and Operating Procedures.

5.10 Environmental constraints and management

The *Supplier* shall comply with Tutuka Power Station environmental management system. This includes the identification, collection, storage, transportation and disposal of waste. Hazardous waste shall be disposed of in line with the applicable environmental legislation. It is important to note that all spillages must be cleaned immediately and reported to the *Supply Manager* as soon as possible. It is the responsibility of the polluter to clean all spillages and for the rehabilitation of the polluted land. The clean-up cost is for the *Contractor's* account.

Supply, Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years at Tutuka Power Station**5.11 Quality**

1. The *Supplier* will work according to the *Purchaser's* standards, specifications, guidelines and procedures. Where no standards, specifications, guidelines, and procedures are available, the *Supplier* will work according to the Generation Quality manual and professional guidelines.
2. The *Supplier* compiles the baseline Quality Control plan
3. 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
4. Material certificates, mechanical testing certificate and NDT certificates should be part of the data package accompanying the QCPs.
5. All delivered goods will be subjected to QC verification by *Purchaser* Quality personnel at receiving
6. The *Supplier* must comply with Eskom's Supply Quality Management Specification (Document No: 240-105658000) and ISO 9001:2015 requirements.
7. The *Purchaser* will on frequent basis conduct the *Supplier's* performance/ compliance in accordance with QM 58 and ISO 9001 and NCR will be raised for non-compliance

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:

- a) Name and address of the *Supplier* and the *Supply Manager*.
- b) The contract number and title.
- c) *Contractor's* VAT registration number.
- d) The *Purchaser's* VAT registration number 4740101508.
- e) Description of service provided for each item invoiced based on the Price List.
- f) Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT.
- g) Purchase order number
- h) CPA calculation sheet
- i) CPA calculation sheet and the Invoice for CPA on the Invoice to be send to the financial department as per the *Employer's* Invoicing procedure / instruction.

5.13 Insurance provided by the *Purchaser*.

As per Clause Z13

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.

5.15 Provision of bonds and guarantees.

Not Applicable

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

- Documents and to be kept by the *Supplier* for record keeping

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6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

-

6.1.2 Limitations on subcontracting

- As per SDL&I requirements

6.1.3 Spares and consumables.

6.1.4 Other requirements related to procurement.

- As per SDL&I requirements

6.1.5 Cataloguing requirements by the *Supplier*

- Not Applicable

7 List of drawings

7.1 Drawings issued by the *Purchaser*.

None

C3.2 SUPPLIER'S GOODS INFORMATION

- a) As per OEM specifications
- b) All relevant documentation to be handed in as requested from *Purchaser / Supply Manager*

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CONTRACT NUMBER _____

Table 1: Risk Register

Description of the risk		Action to avoid or reduce the risk
Risk event	Cause & possible outcome	Action to be taken and who in terms of the contract is responsible for taking it
Delays on delivery	Load and production loss	Any expected delays must be communicated 2 days before delivering or earlier
Delivery of defective steel	Load and production loss	QC, tests and inspections to be done by <i>Purchaser</i> on day of delivery
Delivery of incorrect steel	Load and production loss	QC, tests and inspections to be done by <i>Purchaser</i> on delivery

Test & Delivery of Structural and Industrial Steel on an as and when required 'basis' for a period of 5 years**Appendix A: KPI**

	KPA	Objective	Weight	Poor	Good	Excellent
				2	3	5
1	On time delivery	To ensure deliveries are always on time as per the delivery schedule	40%	Behind schedule	On time	Early delivery of components
3	Quality of deliverables	Quality of deliverables	30%	Non-Compliance to quality & Technical Specifications	Compliant	Exceeding Quality & Technical Expectations
4	Customer satisfaction	If the customer is satisfied with the service	30%	Customer not satisfied	Customer satisfied	Exceeding Expectations