



NEC3 Supply Contract (SC3)

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

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

for Various spares for Outage Department (Unit 1 Outage)

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CONTRACT No. [Insert at award stage]

PART C1: AGREEMENTS & CONTRACT DATA

Contents:

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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:

Various spares for Outage Department (Unit 1 Outage)

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	Rate Based
	Value Added Tax @ 15% is	Rate Based
	The offered total of the amount due inclusive of VAT is ¹	Rate Based
	(in words) [•]	

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

Signature(s)

Name(s) _____

Capacity _____

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)

Name(s)

Capacity

for the
Purchaser

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

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

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

No.	Subject	Details
1	N/A	N/A

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

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
		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	Various spares for Outage Department (Unit 1 Outage)
11.2(13)	The <i>services</i> are	Supply and deliver of Various spares for Outage Department (Unit 1 Outage)
11.2(14)	The following matters will be included in the Risk Register	1) Delays on delivery 2) Quality of deliverables
11.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.

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

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	24 Hours	
2	The Supplier's main responsibilities	Data required by this section of the core clauses is provided by the Supplier in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.	
3	Time		
30.1	The <i>starting date</i> is.	TBA	
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<i>goods and services</i>	<i>delivery date</i>
		1 Various spares for Outage Department (Unit 1 Outage)	31 August 2024
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.	[no data required]	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	On delivery.	
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	1 week.	
4	Testing and defects		
42	The <i>defects date</i> is	12 months after Installation	
43.2	The <i>defect correction period</i> is	1 weeks (To be negotiated between <i>Purchaser</i> and <i>Supplier</i> based on criticality of spares)	
	except that the <i>defect correction period</i> for	1 week	
	and the <i>defect correction period</i> for	1 week	
42.2	The <i>defects access period</i> is	To be negotiated between <i>Purchaser</i> and <i>Supplier</i>	
	except that the <i>defect access period</i> for		
	and the <i>defect access period</i> for		
5	Payment		
50.1	The <i>assessment interval</i> is	After each delivery and acceptance of spares.	
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.	
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 *mutatis mutandis* every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.

6	Compensation events	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
7	Title	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
8	Risks, liabilities, indemnities and insurance	
80.1	These are additional <i>Purchaser's</i> risks	<ol style="list-style-type: none"> 1. Delivery of incorrect spares 2. Delivery of defective spares
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (zero Rand)
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	<p>(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event and</p> <p>(2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date</p>
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last	

defects date is limited to:

88.4 The *Supplier's* total liability to the *Purchaser*, for all matters arising under or in connection with this contract, other than the excluded matters, is limited to

88.5 The *end of liability date* is **52 weeks after Delivery of the whole of the goods and services.**

9 Termination and dispute resolution

94.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
	Address	[•]
	Tel No.	[•]
	Fax No.	[•]
	e-mail	[•]
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)
94.4(2)	The <i>tribunal</i> is:	arbitration
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
94.4(5)	The place where arbitration is to be held is	South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	
	- if the arbitration procedure does not state who selects an arbitrator, is	the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.

10 Data for Option clauses

X1	Price adjustment for inflation			
X1.1	The <i>base date</i> for indices is	The month prior to the enquiry closing date.		
	The proportions used to calculate the Price Adjustment Factor are:	proportion	linked to index for	Index prepared by
		0.	[•]	[•]
		0.	[•]	[•]

		0.	[•]	[•]
		0.	[•]	[•]
		0.	[•]	[•]
		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	0.5% (zero point five per centum) increments of the batch order value per calendar day late, until damages have accumulated to 10% of the batch order.		
X17	Low performance damages			
X17.1	The amounts for low performance damages are:	Stated in the Purchaser's goods information		
Z	The <i>additional conditions of contract</i> are			
	Z1 to Z15 always apply for Eskom			

Z1 Cession delegation and assignment

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

Z2 Joint ventures

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

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

- Z3.1 Where a change in the *Supplier's* legal status, ownership or any other change to his business

composition or business dealings results in a change to the *Supplier's* B-BBEE status, the *Supplier* notifies the *Purchaser* within seven days of the change.

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

Z4 Confidentiality

- Z4.1 The *Supplier* does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Supplier*, enters the public domain or to information which was already in the possession of the *Supplier* at the time of disclosure (evidenced by written records in existence at that time). Should the *Supplier* disclose information to Others in terms of clause 23.1, the *Supplier* ensures that the provisions of this clause are complied with by the recipient.
- Z4.2 If the *Supplier* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Supply Manager*.
- Z4.3 In the event that the *Supplier* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Supplier*, to the extent permitted by law prior to disclosure, notifies the *Purchaser* so that an appropriate protection order and/or any other action can be taken if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Supplier* may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.
- Z4.4 The taking of images (whether photographs, video footage or otherwise) of the *goods* or any portion thereof, in the course of Providing the Goods and Services and after Delivery, requires the prior written consent of the *Supply Manager*. All rights in and to all such images vests exclusively in the *Purchaser*.
- Z4.5 The *Supplier* ensures that all his subcontractors abide by the undertakings in this clause.

Z5 Waiver and estoppel: Add to core clause 12.3:

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

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

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

Without limitation the *Supplier*:

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

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

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

- Z7.1 Within one week of receiving a payment certificate from the *Supply Manager* in terms of core clause 51.1, the *Supplier* provides the *Purchaser* with a tax invoice in accordance with the *Purchaser's* procedures stated in the Goods Information, showing the amount due for payment equal to that stated in the payment certificate.
- Z7.2 If the *Supplier* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Purchaser* is to make a payment is extended by a period equal in time to the delayed submission of the correct tax invoice. Interest due by the *Purchaser* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.
- Z7.3 The *Supplier* (if registered in South Africa in terms of the companies Act) is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the *Purchaser's* VAT number 4740101508 on each invoice he submits for payment.

Z8 Notifying compensation events

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

Z9 Purchaser's limitation of liability

- Z9.1 The *Purchaser's* liability to the *Supplier* for the *Supplier's* indirect or consequential loss is limited to R0.00 (zero Rand)
- Z9.2 The *Supplier's* entitlement under the indemnity in 83.1 is provided for in 60.1(12) and the *Purchaser's* liability under the indemnity is limited.

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

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

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

- Z11.1 If the amount due for the *Supplier's* payment of delay damages reaches the limits stated in this Contract Data for Option X7, the *Purchaser* may terminate the *Supplier's* obligation to Provide

the Goods and Services using the same procedures and payment on termination as those applied for reasons R1 to R15 or R18 stated in the Termination Table.

Z12 Ethics

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

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

- Z12.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.
- Z12.2 The *Purchaser* may terminate the *Supplier's* obligation to Provide the Services if a Committing Party has taken such Prohibited Action and the *Supplier* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Purchaser* has. It is not required that the Committing Party had to have been found guilty, in court or in any other similar process, of such Prohibited Action before the *Purchaser* can terminate the *Supplier's* obligation to Provide the Services for this reason.
- Z12.3 If the *Purchaser* terminates the *Supplier's* obligation to Provide the Services for this reason, the amounts due on termination are those intended in core clauses 92.1 and 92.2.
- Z12.4 A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited Action. Where the *Purchaser* does not have a contractual bond with the Committing Party, the *Supplier* ensures that the Committing Party co-operates fully with an investigation.

Z13 Insurance

Z 13.1 Replace core clause 84 with the following:

Insurance cover	84
	84.1 When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this

contract are in force.

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

INSURANCE TABLE A

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

Z 13.2 Replace core clause 87 with the following:

**Insurance by
the *Purchaser***

87

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

INSURANCE TABLE B

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

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

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

Z15 Asbestos

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

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

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

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

SANAS means the South African National Accreditation System.

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

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

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

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

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

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

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

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

Annexure A: Supply Requirements

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

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

The *Supplier* supplies the *goods* in accordance with INCOTERMS 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

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

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

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

The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

1. The requirements for the supply are	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

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 and services</i> is:	<table><thead><tr><th></th><th><i>goods and services</i></th><th><i>delivery date</i></th></tr></thead><tbody><tr><td>1</td><td>[•]</td><td>[•]</td></tr><tr><td>2</td><td>[•]</td><td>[•]</td></tr><tr><td>3</td><td>[•]</td><td>[•]</td></tr></tbody></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	No of pages
C2.1	Pricing assumptions	2
C2.2	The <i>price schedule</i>	[•]

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
		<ul style="list-style-type: none">• the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed,• where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate,• plus other amounts to be paid to the <i>Supplier</i>,• less amounts to be paid by or retained from the <i>Supplier</i>.
		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;
- 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.

C2.2 the *price schedule*

Reverse e-auction

Document reference

No of
pages

	This cover page	1
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C3.2	<i>Supplier's</i> Goods Information	
	Total number of pages	

C3.1: *PURCHASER'S* GOODS INFORMATION

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1 Overview and purpose of the *goods and services*

Supply and deliver of Various spares for Outage Department (Unit 1 Outage)

2 Specification and description of the *goods*

- As per full technical specification given on Goods Information / Price schedule Specifications (include Environmental specification) 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 No	Description
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 (IFAPPLICABLE) .
0017102	BAR, ROUND: NOMINAL DIAMETER: 16 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 1.58 KG/M
0017103	BAR, ROUND: NOMINAL DIAMETER: 20 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 2.47 KG/M; (DSG-310-048; Q2:2:1: NEV)
0017117	BAR, ROUND: NOMINAL DIAMETER: 8 MM; LENGTH: 6 M; MATERIAL: MS BS 4360; PROCESS: HOT ROLLED; GRADE: EN43A; WEIGHT: 0.39 KG/M
0017129	BAR, FLAT: WIDTH: 40 MM; LENGTH: 6 M; THICKNESS: 16 MM; MATERIAL: MS BS 4360-1986; PROCESS: HOT ROLLED; GRADE: 43A; WEIGHT: 5.02KG/M; 30.12KG/LENGTH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IFAPPLICABLE) .
0033019	BEARING, SLEEVE: TYPE: BUSH; INSIDE DIAMETER: 50 MM; OUTSIDE DIAMETER: 93 MM; LENGTH: 90 MM; MATERIAL: STL; SUPPL P/N: RHK-30100-030; FOR USE WITH DUST HANDLING PLANT BOOT STATION
0034713	BEARING, PILLOW BLOCK: INSIDE DIAMETER: 294 MM; BOLT MOUNTING: 4; BOLT DIAMETER: M20; BLOCK SIZE: WD 175 X LG 550 X HT 420 MM; SHAFT HEIGHT: 180 MM; ROLLING ELEMENT: SPHERICAL; HOUSING MATERIAL: CI; SUPPL P/N: 02BCP130EX; COOPER SPLIT PLUMMER BLOCK, ITEM:140,130 UNLOCATED, SET; DUTY: HEAVY
0034840	BEARING, FLANGE BLOCK: INSIDE DIAMETER: 75 MM; SHAPE: SQ; BLOCK SIZE: LG 200 X THK 80 MM; BOLT MOUNTING: 4; BOLT DIAMETER: M19; HOUSING MATERIAL: CI; SUPPL P/N: FY75; REFERENCE NO: UCF215; SPHERICAL

0036222	DONE ACCORDING TO THE STANDARD FOR WELDING REQUIREMENTS ON ESKOM PLANT; 240-106628253 THE LENGTH OF THE CONVOLUTIONS; LINER MATERIAL; CARBON STEEL; SEE ATTACHED DRAWING NO FOR THE BELOW; ALL THE MANUFACTURING SHALL BE EXPANSION: 8MM; PIPE MATERIAL: ASTM A106 GR B ACCORDING TO EN 10204 3.1; 2 X INSTALLED LINERS 1.6MM THK AND 380MM LENGTH TO COVER SIZE: 400NB SCH:40; FACE TO FACE: 1040MM; DESIGN TEMPERATURE 210 DEG C; DESIGN PRESSURE 1.8 MPA; LATERAL EXPANSION: 25MM; AXIAL COMPENSATOR: TYPE: DOUBLE EXPANSION BELLOW; APPLICATION: BOILER BDV; SUPPL P/N: 0.61/96312; DRAWING NO: NO:0.61/96312 REV 0; PIPE
0037326	SEGMENT: TYPE: FRICTION WHEEL; MANUF P/N: AKCG82590-01; ITEM 138 AND 146 BUCKET ELEVATOR HEAD AND BOOT SECTION; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0038485	DRAWING REVISION NUMBER (IF APPLICABLE). SIDE WALLS UPPER; DUST HANDLING PLANT; BENNOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT LINER: DIMENSIONS: WD 80 MM X LG 2.396 M X THK 10 MM; MATERIAL: SS 10/200; SUPPL P/N: RNS30005-01; REFERENCE NO: 107; FOR USE ON
0038487	LINER: DIMENSIONS: WD 80 MM X LG 1.396 M X THK 10 MM; MATERIAL: SS 10/200; SUPPL P/N: RNS30006-01; REFERENCE NO: 113; FOR USE ON SIDE WALLS UPPER, DUST HANDLING PLANT; BENNOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0038488	LINER: DIMENSIONS: WD 100 MM X LG 1.296 M X THK 10 MM; MATERIAL: SS 10/200; SUPPL P/N: RNS30006-02; ITEM NUMBER: 116; FOR USE ON SIDE WALLS LOWER, DUST HANDLING PLANT; BENNOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0038490	LINER: DIMENSIONS: WD 338 X LG 483 X THK 10 MM; MATERIAL: SS 10/200; SUPPL P/N: RNS30009-04; FOR USE ON DUST HANDLING PLANT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0038525	LINER: DIMENSIONS: WD 100 X LG 795 X THK 10 MM; MATERIAL: SS 10/200; SUPPL P/N: RNS 30009-02; SIDE WALL LOWER; ITEM NUMBER 123; FOR USE ON CONNECTION TROUGH; BENNOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0038526	LINER: DIMENSIONS: WD 80 X LG 796 X THK 10 MM; MATERIAL: SS 10/200; SUPPL P/N: RNS 30009-03; SIDE WALL UPPER; ITEM NUMBER: 124; FOR USE ON DUST HANDLING CONNECTION TROUGH; BENNOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0038756	GUIDE: TYPE: SEGMENT; APPLICATION: BUCKET ELEVATOR HEAD/BOOT SECTION; MANUF P/N: AKCG83537-81; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).

0039413	CHAIN, CONVEYOR: TYPE: PRECIPITATOR HOPPPER; PITCH: 145 MM; WIDTH: 15 IN; MATERIAL: STL; LENGTH: 39.5 M; SUPPL P/N: RAK83179-85; REFERENCE NO: 142V-BT-1-50/12; POWER TRANSMISSION; TYPE 15 IN
0040847	VALVE: TYPE: CONTROL; VALVE SIZE: 50 MM; DESIGN RATING: 16 BARS; TEMPERATURE RATING: 79 DEG C; CONNECTION: THD; OPERATED: WATER; BODY MATERIAL: BRASS; STYLE: 3 WAY; TRIM: BRASS; SPECIFICATION: FM APPROVED; REFERENCE NO: 2294-8-9; DATA SHEETS MUST BE SHAREDWITH ESKOM ENGINEERING FOR ACCEPTANCE, ESKOM ENEGINEERING MUST BE PART OF THE QC TEAM
0051083	DOG: TYPE: BURNER; MATERIAL: CI; DRAWING NO: ERIGER F3E35394 REV 1; F3E35394 REV 1; FOR USE WITH BOILER
0051088	BE STAMPED EVERY 500 MM AND VERIFIED BY THIRD PARTY STAMP, COLOUR CODED, END CAPS TO BE FITTEDPREPED, 5 MM WALL THICKNESS, CENTRE TO CENTRE SIZE 127 MM, LENGTH OF LEGS 200 MM; TEST CERTIFICATES TO BE SUPPLIED, ALL TUBING TOBEND, PIPE: MATERIAL: 15M03 HOT DRAWN; DEGREE: 180 DEG; GRADE: 3; SPECIFICATION: DIN 50049 TYPE 3.1A; 3.1C; TYPE ECONOMISER, TO BE
0053002	CAM: MATERIAL: STL; APPLICATION: PRECIP WIRE RAPPER; ITEM 2.1.8; FOR LURGI RELEASE MACHANISM; VENDORS ARE RESPONSIBLE FOR ENSURINGTHAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
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
0056215	TUBE, BOILER STRAIGHT: NOMINAL SIZE: 51 MM; WALL THICKNESS: 3.6 MM; MATERIAL: STL ALLOY X20CRMV121; LENGTH: 6 M; STRUCTURE: SMLS;ENDS: PLAIN FLAT SQ CUT; TYPE: FLOW 129, 130; GRADE: 3; SPECIFICATION: DIN 50049; EN 10216-2; TEST CERTIFICATES TO BE SUPPLIEDACCORDING TO DIN 50049 TYPE 3.1.A OR 3.1.C, ALL TUBING TO BE STAMPED, EVERY 500MM AND VERIFIED BY THIRD PARTY STAMP, AND COLOURCODED ALONG THE WHOLE LENGTH OF THE TUBE END CAPS TO BE FITTED, HEAT NUMBERS MUST BE PRESENT ON EACH TUBE, COLOUR CODE BLUE, EN3.2DOCUMENT CERTIFICATE ACCORDING TO EN10204
0083583	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 50 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 50MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; COARSE THREAD FREE FIT, ISOMETRIC; SPECIFICATION: SABS135
0083584	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 65 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 40MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; BOLT PROTECTIVE COATING: BLACK; SOLE SOURCE: CLYDE BERGEMANN AFRICA PTY LTD; SPECIFICATION: SABS 135

0083585	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 40 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 25MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION SABS 135
0083627	BOLT, ASSEMBLY: NOMINAL DIAMETER: M20; LENGTH: 90 MM; HEAD: HEX; MATERIAL: MS; THREAD: 2.5 MM; NUT QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; ISO METRIC THREAD, COARSE THREAD FREE FIT, TO THE LATEST EDITION OF SABS135 AND BEARING THE SABS MARK OF APPROVAL; SPECIFICATION: SABS135
0083716	BOLT, MACHINE: DIAMETER: M24; LENGTH: 150 MM; HEAD: HEX; GRADE: 8.8; MATERIAL: HTS; THREAD: 3 MM; SPECIFICATION: DIN 931; 65/75 TON
0084414	QUANTITY: 1; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 1143BOLT, ASSEMBLY: TYPE: NIB; NOMINAL DIAMETER: M16; LENGTH: 50 MM; HEAD: CSK KEYED; GRADE: 4.6; MATERIAL: MS; THREAD: 2 MM; NUT
0084561	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M10; LENGTH: 40 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 40MM; THREAD: 1.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084572	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 40 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 30MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084574	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 50 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 30MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084576	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 75 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 35MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION SABS 135
0084588	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 70 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 40MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; COARSE THREAD FREE FIT; SPECIFICATION: SABS 135
0084589	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 75 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 38MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135

0084590	40 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 100 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH:
0084601	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M20; LENGTH: 100 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 55 MM; THREAD: 2.5 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084677	BOLT, MACHINE: DIAMETER: M8; LENGTH: 30 MM; HEAD: HEX; MATERIAL: SS GR 316; THREAD: 1.25 MM
0085365	BOLT, MACHINE: DIAMETER: M6; LENGTH: 25 MM; HEAD: HEX; MATERIAL: SS GR 316; THREAD: 1 MM; SPECIFICATION: SABS 136; ISO METRIC; COARSE THREAD MEDIUM FIT
0087512	WASHER, LOCK: INSIDE DIAMETER: 8.6 MM; OUTSIDE DIAMETER: 12.8 MM; THICKNESS: 2 MM; NOMINAL SIZE: M8; MATERIAL: SPRING STL; TYPE: HELICAL SPRING, SPLIT
0087640	NUT, HEX: DIAMETER: M24; THREAD: 3 MM; NUT HEIGHT: 18 MM; MATERIAL: MS BLACK; SPECIFICATION: SABS 1143
0087701	BS 1449 PART 3BWASHER, FLAT: NOMINAL SIZE: M12; INSIDE DIAMETER: 13.5 MM; OUTER SIZE: 24 MM; THICKNESS: 2.5 MM; MATERIAL: MS BLACK; SPECIFICATION:
0087703	WASHER, FLAT: NOMINAL SIZE: M20; INSIDE DIAMETER: 21 MM; OUTER SIZE: 37 MM; THICKNESS: 3 MM; MATERIAL: MS BLACK BS 1449PT3B
0091822	WASHER, FLAT: INSIDE DIAMETER: 78 MM; OUTER SIZE: 95 MM; THICKNESS: 1.5 MM; MATERIAL: CU; PERIPHERAL SHAPE STYLE: RD; REFERENCE NO: 7BR7355815
0091884	NUT, CAP: DIAMETER: 5 IN; DRAWING NO: GEC M200(AO)40872 REV 1; REFERENCE NO: 3550-365; DESPATCHED SCHEDULE NUMBER 7B-R7355793; FORUSE WITH HIGH PRESSURE INNER CYLINDER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWINGREVISION NUMBER (IF APPLICABLE).
0091909	NUT: TYPE: RING; DIAMETER: 4 IN; THREAD: 6 TPI; MATERIAL: STL; REFERENCE NO: 2191
0091914	NUT: TYPE: RING; DIAMETER: 4-3/4 IN; THREAD: 6 TPI; MATERIAL: STL
0097322	PACKING, BULK: WIDTH: 20 MM; THICKNESS: 20 MM; LENGTH: 8 M; TYPE: GLAND; SHAPE: SQ; REFERENCE NO: GF0999; MATERIAL BRAIDED; CROSS SECTION
0097560	SEAL, MECHANICAL: TYPE: LABYRINTH; SHAFT DIAMETER: 148 MM; BODY MATERIAL: SS GR 316; APPLICATION: PUMP; SUPPL P/N: AKNS-84038-810; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).

0099480	(IF APPLICABLE). PRIMARY AIR FAN BEARING: VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER WASHER, THRUST: THICKNESS: 10.5 MM; MATERIAL: STL; DRAWING NO: 59444-3A REV 1; REFERENCE NO: A2240; TO AIRTEC HOWDEN; FOR USE WITH
0100190	GASKET, SPIRAL WOUND: STYLE: GF1; INNER RING INSIDE DIAMETER: 38 MM; FILLER OUTSIDE DIAMETER: 69 MM; FILLER INSIDE DIAMETER: 46 MM; OUTER RING OUTSIDE DIAMETER: 88 MM; FILLER MATERIAL: GRAPHITE; WINDING MATERIAL: STAINLESS STEEL; SHAPE: ROUND; METAFLEX, FABFLEX, INNER AND OUTER GUIDE RING, 4.78MM THK; SIZE: 4.7MM THK
0101336	GASKET, SPIRAL WOUND: INNER RING INSIDE DIAMETER: 51 MM; FILLER OUTSIDE DIAMETER: 86 MM; FILLER INSIDE DIAMETER: 68 MM; OUTER RING OUTSIDE DIAMETER: 109 MM; PRESSURE RATING: 150 LB; INNER RING MATERIAL: SS GR 316; FILLER MATERIAL: GRAPHITE; WINDING MATERIAL: STAINLESS STEEL; SHAPE: ROUND; METAFLEX, CLASS 150, GFI, INNER RING 316SS, OUTER RING CARBON STEEL, TEMPERATURE 530 C, FOR USE WITH MIAN TURBINE IP ESV, GOVENDER VALVE LEAK OFF LINES; SIZE: 5MM THK
0106334	ACCORDANCE WITH DRAWING, 1 EACH CONSISTING OF A TOP HALF AND BOTTOM HALF A4-78-2320-04C A1-78-3350-01; DRAWING NO: A1-78-3350-01, A4-78-2320-04C REV 1; A1-78-3350-01 A4-78-2320-04C REV 1; ID FAN, INSEAL, RING: TYPE: SHAFT; INSIDE DIAMETER: 675 MM; OUTSIDE DIAMETER: 850 MM; THICKNESS: 5 MM; MATERIAL: BRASS; SUPPL P/N:
0107799	GASKET, SPIRAL WOUND: STYLE: FI; INNER RING INSIDE DIAMETER: 750 MM; OUTER RING OUTSIDE DIAMETER: 805 MM; PRESSURE RATING: 3 MPA; FILLER MATERIAL: GRAPHITE; WINDING MATERIAL: STAINLESS STEEL; SHAPE: ROUND; METAFLEX, FABFLEX, WITH INNER GUIDE RING; SIZE: 5MM THK
0113053	RING: TYPE: AXIAL FRICTION; INSIDE DIAMETER: 530 MM; OUTSIDE DIAMETER: 550 MM; WIDTH: 5 MM; MATERIAL: STAINLESS STEEL; DRAWING NO: 202(AO)3229 REV 1; GEC 202(AO)3229 REV 1; FOR USE WITH MAIN TURBINE HIGH PRESSURE TEE PIECE
0124053	REVISION NUMBER (IF APPLICABLE). LOCATION, CONVEYORS AND ELEVATORS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING MOUNT: TYPE: END; DIMENSIONS: DIA 100 X LG 78 MM; MATERIAL: RUBBER; SUPPL P/N: UKXN-48109-150; BUFFER, BUHLER-MIAG FOR DRIVE UNITS
0136189	BUSH, VALVE: TYPE: GUIDE; MATERIAL: STL; SUPPL P/N: EL016014; SIZE 26MM ID X 44MM OD X 48MM LG
0162008	BAR, ROUND: NOMINAL DIAMETER: 20 MM; LENGTH: 6 M; MATERIAL: STL BRIGHT GR 070M20 BS 970 PART 1; PROCESS: HOT ROLLED; GRADE: EN3B; WEIGHT: 2.46 KG/M; SHAFTING.
0162104	KEY STOCK: WIDTH: 10 MM; LENGTH: 3 M; THICKNESS: 10 MM; MATERIAL: STL; PROCESS: HOT ROLLED

0162231	BAR, ROUND: NOMINAL DIAMETER: 30 MM; LENGTH: 6 M; MATERIAL: MS BRIGHT GR 070M20 BS 970 PART 1; PROCESS: HOT ROLLED; GRADE: EN3B; WEIGHT: 5.549 KG/M; 5.55KG PER METRE
0162249	1100 DEGREES CENTIGRADE IN AIR OR WATER 1 LENGTH = APPROXIMATELY 39,0KGPART4 CODE RED AND YELLOW FORGED BETWEEN 850 DEGREES CENTIGRADE AND 1150 DEGREES CENTIGRADE HARDEN AT 1050 DEGREES CENTIGRADE ANDBAR, ROUND: NOMINAL DIAMETER: 32 MM; LENGTH: 6 M; MATERIAL: SS BS 970-1972; GRADE: 316; S16; WEIGHT: 6.439 KG/M; ANTI-MAGNETIC TO:
0162482	SHEET, METAL: WIDTH: 415 MM; LENGTH: 1 M; MATERIAL: SS GR 304 ANNEALED; FABRICATION METHOD: COLD ROLLED; SMALL GENERAL PURPOSEEXPANDED MESH, SS GR 304L, MESH DIMENSIONS: 1.2MM STRAND DIAMETER 3.15 SQAURE MILLIMETRE OPENING
0179658	SEAL: TYPE: BONNET; DIMENSIONS: ID 530 X OD 560 X THK 30 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPEDTO PREVENT DAMAGE
0179659	SEAL: TYPE: BONNET; DIMENSIONS: ID 700 X OD 740 X THK 30 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPEDTO PREVENT DAMAGE
0210778	
0217685	CHAIN, CONVEYOR: PITCH: 140 MM; MATERIAL: STL; LENGTH: 2.84 M; SUPPL P/N: AKWC-95188-850; POWER TRANSMISSION
0217795	BEARING, FLANGE BLOCK: ROLLING ELEMENT: BALL; INSIDE DIAMETER: 25 MM; SHAPE: SQ; BLOCK SIZE: SQ 95 X THK 13 MM; BOLT MOUNTING: 4; BOLT DIAMETER: M12; HOUSING MATERIAL: CI; SUPPL P/N: F205; FOR USE ON DAMPERS, MUST HAVE GRUB SCREWS TO LOCK
0556121	STRIP: TYPE: SEALANT; WIDTH: 38 MM; LENGTH: 20 M; THICKNESS: 3 MM; MATERIAL: PUTTY; APPLICATION: DUST TRANSFER MILLS; PUTTY LIKEADHESIVE (SIMILAR TO PRESTIK); COLOUR: WHITE; +/- 3 KG
0562187	SUPPORT: TYPE: DORSAL FIN; DIMENSIONS: WD 60 X THK 12 MM; MATERIAL: CARBON STL; APPLICATION: ID FAN; DRAWING NO: 21.61/56638 REV 1; A1.013.004338 REV 1; THE SUPPORTS CONSIST OF THREE PARTS DETAIL 1: LG 1.026M; DETAIL 2:LG 660MM AND DETAIL 3:LG 100MM

0570518	SEAL: TYPE: DUST; DIMENSIONS: ID 85 X OD 110.4 X THK 9.5 MM; MATERIAL: RUBBER; APPLICATION: HOPPER CONVEYORS; REFERENCE NO: UVV-00120-798; GACO SPLIT; S820 WITH COTTON REINFORCED NBR; SPRING AISI 302; OPERATING TEMP: -30 TO 120DEG C
0598165	VERIFIED BY POWER STATION AIA THE MATERIAL; NOTE MATERIAL WILL NOT BE ACCEPTED WITHOUT THE MATERIAL CERTIFICATES AND THE SPECTROMETER TEST CERTIFICATE SIGNED AND BE EVALUATED BY ENGINEERING INCLUDING THE SPECTROMETER TEST RESULTS SIGNED BY POWER STATION AIA UPON DELIVERY BEFORE ACCEPTANCE OF REQUIREMENTS WILL BE REJECTED; THE SPECTROMETER RESULTS MUST CORRESPOND WITH THE MATERIAL CERTIFICATE; ALL THE DOCUMENTATION WILL BE THE POWER STATION; THE POWER STATION AIA WILL BE PRESENT TO REVIEW AND VERIFIED THE SPECTROMETER RESULTS. MATERIAL NOT MEETING THE EN10204/3.2; CONDUCT A MATERIAL ANALYSIS (SPECTROMETER TEST) ON EACH BATCH OF MATERIAL AT THE SUPPLIER'S PREMISES PRIOR DELIVERY TO PIPEWORK AND BOILER TUBING MATERIAL STANDARD IN THE GENERATION DIVISION 240-87733094 LATEST REVISION); MATERIAL CERTIFICATION TO ESKOM GOODS INFORMATION REQUIREMENTS AND THE SUPPLIER WILL COMPLY TO THE FOLLOWING STANDARD (SEE PROCUREMENT OF HIGH PRESSURE EVAPORATOR/BURNERS CONNECTING; DELIVER AS PER SPEC UNIQUE IDENTIFIER: 474-10206 REV 2; EN10204 3.2 MATERIAL CERTIFICATE; ADHERE TO TUBE, BOILER STRAIGHT: NOMINAL SIZE: 44.5 MM; WALL THICKNESS: 5.6 MM; MATERIAL: 16MO3; LENGTH: 6-11.8 M; STRUCTURE: SMLS; TYPE:
0598318	AIA WILL NOT BE ACCEPTED WITHOUT THE MATERIAL CERTIFICATES AND THE SPECTROMETER TEST CERTIFICATE SIGNED AND VERIFIED BY POWER STATION INCLUDING THE SPECTROMETER TEST RESULTS SIGNED BY POWER STATION AIA UPON DELIVERY BEFORE ACCEPTANCE OF THE MATERIAL; NOTE MATERIALS SPECTROMETER RESULTS MUST CORRESPOND WITH THE MATERIAL CERTIFICATE; ALL THE DOCUMENTATION WILL BE EVALUATED BY ENGINEERING WILL BE PRESENT TO REVIEW AND VERIFIED THE SPECTROMETER RESULTS. MATERIAL NOT MEETING THE REQUIREMENTS WILL BE REJECTED; THE (SPECTROMETER TEST) ON EACH BATCH OF MATERIAL AT THE SUPPLIER'S PREMISES PRIOR DELIVERY TO THE POWER STATION; THE POWER STATION AIA THE GENERATION DIVISION 240-87733094 LATEST REVISION); MATERIAL CERTIFICATION TO EN10204/3.2; CONDUCT A MATERIAL ANALYSIS SUPPLIER WILL COMPLY TO THE FOLLOWING STANDARD (SEE PROCUREMENT OF HIGH PRESSURE PIPEWORK AND BOILER TUBING MATERIAL STANDARD IN DELIVER AS PER SPEC UNIQUE IDENTIFIER: 474-10206 REV 2; EN10204 3.2; ADHERE TO ESKOM GOODS INFORMATION REQUIREMENTS AND THE TUBE, BOILER STRAIGHT: NOMINAL SIZE: 38 MM; WALL THICKNESS: 4 MM; MATERIAL: X20CRMV11-1; LENGTH: 6-11.8 M; STRUCTURE: SMLS;

0620574	MOTOR, GEARED: POWER: 0.06 KW; CURRENT: 0.35 A; OUTPUT SPEED: 0.65 RPM; RATIO: 2024:1; POTENTIAL: 400 V; MOTOR SPEED: 1350 RPM; MOUNTING: H1; ENCLOSURE RATING: IP65; PHASE: 3; GEARBOX TYPE: BEVEL HELICAL; INSULATION CLASS: F; SHAFT: DIA 40 X LG 80 MM; POLES: 4; SERVICE FACTOR: S1; SUPPL P/N: BK30G06-13UW/D06LA4; FOOT PLATE TO BE SUPPLIED WITH UNIT
0644556	SHIELD, HEAT PROTECTIVE: TYPE: INSERT; DIMENSIONS: ID 51 MM X OD 57 MM X LG 3.6 M X THK 3 MM; MATERIAL: SS GR 310; MOUNT: BANGLESX6; APPLICATION: BOILER R/HTR 1; DRAWING NO: TUT-PP-GEN-001 REV 0; TUBE REPLACEMENT; TO BE MANUFACTURED ACCORDING TO THE DRAWING NOSUPPLIED; 6 BANGLES NEED TO BE SUPPLIED ON EVERY SHILED ON DELIVERY; MUST BE CERTIFIED ACCORDING TO EN3.1; DOCUMENTATION AND CERTIFICATES OF EN10204 MUST BE SUPPLIED WITH DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0665724	REQUIRED ON EVERY DELIVERY 325A; BASIC SHAPE STYLE: RECT; SPECIFICATION: EN1024; STRAND WIDTH: 6 MM; STRAND THICKNESS: 4.5 MM; MATERIAL CERTIFICATE 3.1 METAL, EXPANDED: SIZE: WD 1.2 X LG 2.4 M; SHORTWAY: 27 MM; LONGWAY: 60 MM; MATERIAL: SS 304; FABRICATION METHOD: MENTEX 70/ VEM
0665726	SHIELD, TUBE: DIMENSIONS: DIA 50.5MM X LG 2.45M; STYLE: BEND; MATERIAL: SS GR310; DRAWING NO: TUT-PP-GEN-122 REV 0; 0.61-02133 REV2 REV 0; PROTECTION LHS SHIELD: ID 44.5MM X WALL THICKNESS 3MM; VENDOR TO CONFIRM LATEST REVISION DRAWING BEFORE COMMENCING WITH MANUFACTURING; PROTECTING SHIELD TO COVER 180DEG AND THE BANGLE 180DEG RADIUS TO FIT TIGHT AROUND THE APPLICABLE BOILER TUBE; BANGLES AND THE PROTECTION SHIELDS TO BE INCLUDED IN THE DELIVERY; AND BE CHARGED; BUT SUPPLIED AS SEPARATE ITEMS; QCP FOR PRESSING TO BE APPROVED BY ESKOM BEFORE COMMENCING WITH ANY MANIPULATION; PROCURING OF HP PIPEWORK SHOULD BE IN LINE WITH ESKOM STANDARD: 204-87733094; MATERIAL: SS 310; DIMENSIONS: OD 50.5 X WT 3MM; EACH BANGLE AND SHIELD SHOULD BE HARD STAMPED; HEAT NUMBER WITH LOW STRESS STAMPS; MATERIAL CERTIFICATE 3.1 I.A.W REQUIRED ON EVERY DELIVERY; STANDARD EN1024 3.1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0665727	PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). CERTIFICATE 3.1 I.A.W REQUIRED ON EVERY DELIVERY; STANDARD EN1024 3.1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE 310; DIMENSIONS: OD 44 X WT 3MM; EACH BANGLE AND SHIELD SHOULD BE HARD STAMPED; HEAT NUMBER WITH LOW STRESS STAMPS; MATERIAL BEFORE COMMENCING WITH ANY MANIPULATION; PROCURING OF HP PIPEWORK SHOULD BE IN LINE WITH ESKOM STANDARD: 204-87733094; MATERIAL: SS SHIELD, TUBE: DIMENSIONS: DIA 45MM X LG 2.45M; STYLE: STRAIGHT; MATERIAL: SS GR310; DRAWING NO: 67.SH2.SD.08.11 REV 0; PROTECTION SHIELD: ID 38MM X WALL THICKNESS 3MM; VENDOR TO CONFIRM LATEST REVISION DRAWING BEFORE COMMENCING WITH MANUFACTURING; PROTECTING SHIELDS TO BE INCLUDED IN THE DELIVERY; AND BE CHARGED; BUT SUPPLIED AS

	SEPARATE ITEMS; QCP FOR PRESSING TO BE APPROVED BY ESKOMSHIELD TO COVER 180DEG AND THE BANGLE 180DEG RADIUS TO FIT TIGHT AROUND THE APPLICABLE BOILER TUBE; BANGLES AND THE PROTECTION
0665728	WT 3MM; EACH BANGLE AND SHIELD SHOULD BE HARD STAMPED; HEAT NUMBER WITH LOW STRESS STAMPS; MATERIAL CERTIFICATE 3.1 I.A.W REQUIREDMANIPULATION; PROCURING OF HP PIPEWORK SHOULD BE IN LINE WITH ESKOM STANDARD: 204-87733094; MATERIAL: SS 310; DIMENSIONS: OD 50.5 XON EVERY DELIVERY; STANDARD EN1024 3.1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWINGREVISION NUMBER (IF APPLICABLE).DELIVERY; AND BE CHARGED; BUT SUPPLIED AS SEPARATE ITEMS; QCP FOR PRESSING TO BE APPROVED BY ESKOM BEFORE COMMENCING WITH ANYBANGLE 180DEG RADIUS TO FIT TIGHT AROUND THE APPLICABLE BOILER TUBE; BANGLES AND THE PROTECTION SHIELDS TO BE INCLUDED IN THEOFFSET; VENDOR TO CONFIRM LATEST REVISION DRAWING BEFORE COMMENCING WITH MANUFACTURING; PROTECTING SHIELD TO COVER 180DEG AND THE60.ST.SDBIF3PB.10.11 REV 0; TUT-PP-GEN-119 REV 0; 60.ST.SDBIF3PB.08.11 REV 0; PROTECTION SHIELD: ID 44.5MM X WALL THICKNESS 3MM; RHSHIELD, TUBE: DIMENSIONS: DIA 50.5MM X LG 2.45M; STYLE: BIFURCATION; MATERIAL: SS GR310; DRAWING NO: TUT-PP-GEN-118 REV 0;
0665729	PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).MATERIAL CERTIFICATE 3.1 I.A.W REQUIRED ON EVERY DELIVERY; STANDARD EN1024 3.1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY AREMATERIAL: SS 310; DIMENSIONS: OD 57 X WT 3MM; EACH BANGLE AND SHIELD SHOULD BE HARD STAMPED; HEAT NUMBER WITH LOW STRESS STAMPS;BY ESKOM BEFORE COMMENCING WITH ANY MANIPULATION; PROCURING OF HP PIPEWORK SHOULD BE IN LINE WITH ESKOM STANDARD: 204-87733094;PROTECTION SHIELDS TO BE INCLUDED IN THE DELIVERY; AND BE CHARGED; BUT SUPPLIED AS SEPARATE ITEMS; QCP FOR PRESSING TO BE APPROVEDPROTECTING SHIELD TO COVER 180DEG AND THE BANGLE 180DEG RADIUS TO FIT TIGHT AROUND THE APPLICABLE BOILER TUBE; BANGLES AND THESHIELD: ID 51MM X WALL THICKNESS 3MM; RH OFFSET; VENDOR TO CONFIRM LATEST REVISION DRAWING BEFRE COMMENCING WITH MANUFACTURING;SHIELD, TUBE: DIMENSIONS: DIA 57MM X LG 2.45M; STYLE: STRAIGHT; MATERIAL: SS GR310; DRAWING NO: 67.RH2.SD.08.11 REV 0; PROTECTION

0665730	<p>SHIELD, TUBE: DIMENSIONS: DIA 54.3MM X LG 2.45M; STYLE: STRAIGHT; MATERIAL: SS GR310; DRAWING NO: 71.RH1.SD48.08.11 REV 0; PROTECTION SHIELD: ID 48.3MM X WALL THICKNESS 3MM; RH OFFSET; VENDOR TO CONFIRM LATEST REVISION DRAWING BEFORE COMMENCING WITH MANUFACTURING; PROTECTING SHIELD TO COVER 180DEG AND THE BANGLE 180DEG RADIUS TO FIT TIGHT AROUND THE APPLICABLE BOILER TUBE; BANGLES AND THE PROTECTION SHIELDS TO BE INCLUDED IN THE DELIVERY; AND BE CHARGED; BUT SUPPLIED AS SEPARATE ITEMS; QCP FOR PRESSING TO BE APPROVED BY ESKOM BEFORE COMMENCING WITH ANY MANIPULATION; PROCURING OF HP PIPEWORK SHOULD BE IN LINE WITH ESKOM STANDARD: 204-87733094; MATERIAL: SS 310; DIMENSIONS: OD 52 X WT 3MM; EACH BANGLE AND SHIELD SHOULD BE HARD STAMPED; HEAT NUMBER WITH LOW STRESS STAMPS; MATERIAL CERTIFICATE 3.1 I.A.W REQUIRED ON EVERY DELIVERY; STANDARD EN1024 3.1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>
0665731	<p>APPLICABLE). EN1024 3.1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF SHOULD BE HARD STAMPED; HEAT NUMBER WITH LOW STRESS STAMPS; MATERIAL CERTIFICATE 3.1 I.A.W REQUIRED ON EVERY DELIVERY; STANDARD BE APPROVED BY ESKOM BEFORE COMMENCING WITH ANY MANIPULATION; MATERIAL: SS 310; DIMENSIONS: OD 44 X WT 3MM; EACH BANGLE AND SHIELD COVER 180DEG AND THE BANGLE 180DEG + 10 DEG BOTH SIDES; RADIUS TO FIT TIGHT AROUND THE APPLICABLE BOILER TUBE; QCP FOR PRESSING TO SHIELD, TUBE: DIMENSIONS: DIA 44MM X LG 2.45M; STYLE: BEND; MATERIAL: SS GR310; PROTECTION SHIELD BANGLE; PROTECTING SHIELD TO</p>
0665745	<p>SPACER: TYPE: PLATTEN SLIP; DIMENSIONS: DIA 20 MM; MATERIAL: INCOLOY 800; APPLICATION: SUPERHEATER 1 PLATTEN ELEMENT SET; SPECIFICATION: EN10204; SPECIAL FEATURES: GUIDE BLOCK; SPACER AND STOPPER BLOCK; DRAWING NO: TUT-PP-SLP-001 REV 0; SUPPLY MATERIAL AND MACHINE AS PER DRAWING; INSIDE MACHINING; NO SHARP CORNERS; RADIUS CUTTING REQUIRED; MATERIAL CERTIFICATE 3.1 (10) IS REQUIRED ON EVERY DELIVERY; IF PWHT IS REQUIRED; PROCEDURE TO BE APPROVED BY ESKOM AND AIA BEFORE COMMENCING MANUFACTURING</p>
0665748	<p>BRACKET: TYPE: ALIGNMENT; MATERIAL: INCOLOY 800; DIMENSIONS: DIA 20 X LG 940 MM; APPLICATION: SUPERHEATER 2 SUPPORT; RADIUS: 27.5; CONSIST OF ROD AND HOOK; MATERIAL CERTIFICATE 3.1 IS REQUIRED ON EVERY DELIVERY; STAMPED; ESKOM WELDING STANDARD REQUIRED 240-106628253; WPS I.A.W EN ISO 15609-6 REQUIRED; QCP/ITP TO BE APPROVED BY ESKOM BEFORE WORK COMMENCE BENDING METHOD AND QCP TO BE APPROVED</p>

0665749	APPROVED 240-106628253; WPS I.A.W EN ISO 15609-6 REQUIRED; QCP/ITP TO BE APPROVED BY ESKOM BEFORE WORK COMMENCE BENDING METHOD AND QCP TO BECONSIST OF ROD AND HOOK; MATERIAL CERTIFICATE 3.1 IS REQUIRED ON EVERY DELIVERY; STAMPED; ESKOM WELDING STANDARD REQUIRED BRACKET: TYPE: ALIGNMENT; MATERIAL: INCOLOY 800; DIMENSIONS: DIA 20 X LG 70 MM; APPLICATION: REHEATER 2 SUPPORT; RADIUS: 22.5.
0665750	BRACKET: TYPE: RETAINING; MATERIAL: INCOLOY 800; DIMENSIONS: WD 30 X LG 69 X THK 6 MM; SPECIFICATION: EN10216-2; APPLICATION: REHEATER LUG SUPPORT; MATERIAL CERTIFICATE 3.1A IS REQUIRED ON EVERY DELIVERY; I.A.W STANDARD EN1024 3.1; HARD STAMPED WITH LOW STRESS STAMPS; HEAT NUMBERS
0665753	LUG: TYPE: CASTLE; DIMENSIONS: WD 40 X HT 25 MM; MATERIAL: INCOLOY 800; RADIUS 24 MM; WALL THICKNESS: 12 MM; SMALL CASTLE LUG WITH 40 MM BASE SUPERHEATER 3; MATERIAL CERTIFICATE EN10204 3.1 IS REQUIRED; STANDARD EN10216-2
0727955	GREASE: TYPE: HIGH TEMPERATURE; TEMPERATURE RATING: 0 UP TO ABOUT 350; CONTAINER: 7KG; TRADE NAME: MOLUB-ALLOY PASTE PL
0053506	ITEM 17; WITH CLIP; HEAD WEIGHT WITH CLIP; FOR USE AT LURGI 4-6 ELECTROSTATIC PRECIP SHAMMER: TYPE: S.E CLIP TYPE; HEAD WEIGHT: 8.30 KG; HEAD MATERIAL: STL; HANDLE: STL; DRAWING NO: RRSM-00-6969 REV 1; REFERENCE NO:
0034840	BEARING, FLANGE BLOCK: INSIDE DIAMETER: 75 MM; SHAPE: SQ; BLOCK SIZE: LG 200 X THK 80 MM; BOLT MOUNTING: 4; BOLT DIAMETER: M19; HOUSING MATERIAL: CI; SUPPL P/N: FY75; REFERENCE NO: UCF215; SPHERICAL
0053155	JOINT, EXPANSION: SIZE: 270 MM; LENGTH: 19.8 M; CONNECTION: CLAMP; MATERIAL: EPDM; DESIGN RATING: -30 TO 40 MBAR AT 200 DEG C; DRAWING NO: 25 REV 1; DOUBLE PLY 6MM THK; ECONOMISER GAS OUTLET TO PRECIP
0063215	VALVE, GLOBE: VALVE SIZE: DN50 MM; DESIGN PRESSURE: 185 BAR; DESIGN TEMPERATURE: 455 DEG C; FACE TO FACE LENGTH: 300 MM; OPERATED: HANDWHEEL; CONNECTION: BW; BODY MATERIAL: 13CRMO44; TRIM: SEAT STELLITED; STEM 17CR; SOFTGOODS: COMPOSITE BRAIDED/GRAPHITE PREFORMED; STEM DESIGN: NON RISING; STYLE: INTEGRAL BONNET; APPLICATION: SOOTBLOWER SUPERHEATER HAND AND MOTORISED ISOLATION VALVE NV1S101 AND NV01S001; SPECIFICATION: DIN1.7335; DESIGN RATING: PN250; TEMPERATURE RATING: 450 DEG C; REFERENCE NO: VA500-10-250-50-GS; VKS1-250-50-10-43; HIGH PRESSURE STOP; SEMPELL; SPECIFICATIONS 500NV01S101; 45MM ID X 61MM OD; MATERIAL 10; MATERIAL CERTIFICATE AND OEM SIGNED LETTER REQUIRED ON EVERY DELIVERY
0066368	VALVE: TYPE: PARALLEL SLIDE; VALVE SIZE: 20 MM; DESIGN RATING: CL1690; CONNECTION: BW; OPERATED: HANDWHEEL; BODY MATERIAL: 3840TPB; STYLE: UNION BONNET; TRIM: DISC/STEM SS; SEAT 2320; FIG NO: 5096; REFERENCE NO: P781H020NFDA

0066384	VALVE, GLOBE: VALVE SIZE: 50 MM; OPERATED: HANDWHEEL; CONNECTION: BW; BODY MATERIAL: 10CRMO910; TRIM: SEAT STELLITED; SOFTGOODS: COMPOSITE BRAIDED/GRAPHITE PREFORMED; STEM DESIGN: NON RISING SPINDLE; STYLE: INTEGRAL BONNET; DESIGN RATING: 250 BAR; TEMPERATURE RATING: 540 DEG C; SUPPL P/N: VKS11-160-50-13; SEMPELL; 52.5MM ID X 61MM OD; MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY; NO CHANGES TO BE MADE TO DESCRIPTION UNLESS AUTHORISED BY WELDING ADMINISTRATOR; MATERIAL 13:
0066396	VALVE, GLOBE: VALVE SIZE: 25 MM; FACE TO FACE LENGTH: 24 X 47 MM; OPERATED: HANDWHEEL; CONNECTION: BW; BODY MATERIAL: 10CRMO910; TRIM: SEAT STELLITED; SOFTGOODS: COMPOSITE BRAIDED/GRAPHITE PREFORMED; STEM DESIGN: NON RISING SPINDLE; STYLE: INTEGRAL BONNET; DESIGN RATING: 500 BAR; TEMPERATURE RATING: 450 DEG C; SUPPL P/N: VKS1-500-25-13; REFERENCE NO: 356NC54S101; HIGH PRESSURE STOP; MATERIAL CERTIFICATES MUST BE SUPPLIED WITH DELIVERY; NO CHANGES TO BE MADE TO DESCRIPTION UNLESS AUTHORISED BY WELDING ADMINISTRATOR; MATERIAL 13
0066400	VALVE, GLOBE: VALVE SIZE: 50 MM; OPERATED: HANDWHEEL; CONNECTION: BW; BODY MATERIAL: 10CRMO910; TRIM: SEAT STELLITED; SOFTGOODS: COMPOSITE BRAIDED/GRAPHITE PREFORMED; STEM DESIGN: RISING; STYLE: INTEGRAL BONNET; DESIGN RATING: 500 BAR; TEMPERATURE RATING: 547 DEG C; SUPPL P/N: VKS1-500-40-13; HIGH PRESSURE STOP; SEMPELL; SPECIFICATIONS 02/14.11RA80S103; 195BAR WORKING; 4MM ID X 89MM OD; MATERIAL 13
0066408	STEM, VALVE: VALVE STYLE: GLOBE; VALVE SIZE: 25 MM; DIAMETER: 20 MM; LENGTH: 225 MM; MATERIAL: STL X35CRMO17; REFERENCE NO: VKS11.20-25; AND FOR NUT SEMPELL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0066635	VALVE, GATE: VALVE SIZE: 200 MM; TYPE: PARALLEL SLIDE; CONNECTION: BW; BODY MATERIAL: A216; TRIM: DISC/SEAT HF; STEM GR 18.2; OPERATED: HANDWHEEL; SOFTGOODS: PACKING GRAPHITE EXPANDED; GRADE: WCB; SUPPL P/N: P51EH200NVDA; TEMPERATURE RATING 1500 AT 100DEG F; ANSI B1634; CLASS 600; WELDED WITH BYPASS
0066664	STEM, VALVE: VALVE SIZE: 150 X 100 MM; DIAMETER: 25 MM; LENGTH: 755 MM; MATERIAL: STL; REFERENCE NO: A32107; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0067562	DISC, VALVE: MATERIAL: PT; VALVE SIZE: 2 IN; PRESSURE RATING: 70 BAR AT 450 DEG; SUPPL P/N: 32332-703; FIG NO: 2199; PARALLEL SLIDE; FOR USE WITH HOPKINSON; TYPE: MALE
0067563	DISC, VALVE: MATERIAL: STL; DIMENSIONS: DIA 70 MM; VALVE SIZE: 2 IN; FIG NO: 21928W; REFERENCE NO: 32332-707; PARALLEL SLIDE; MALE
0067582	ASSEMBLY: TYPE: BELT; SUPPL P/N: 32532701; DRAWING NO: E18918A/18 REV 1; R17955/18 REV 1; FIG NO: 21914W; FOR 2INCH HOPKINSON PARRALEL SLIDE VALVE; WORKING PRESSURE 4.55MPA
0067626	STEM, VALVE: VALVE SIZE: 20 MM; DIAMETER: 12.5 MM; LENGTH: 207 MM; MATERIAL: STL; REFERENCE NO: 0041171; FOR USE WITH MOTORIZED VALVE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0067635	SPRING, COMPRESSION: INSIDE DIAMETER: 43 MM; OUTSIDE DIAMETER: 52 MM; LENGTH: 42 MM; COILS: 4; MATERIAL: STL; SUPPL P/N: 5H530-52F0560131; DISC, FOR USE WITH DEWRANCE VALVE

0067662	VALVE, GATE: VALVE SIZE: 32 MM; TYPE: PARALLEL SLIDE; CONNECTION: BW; BODY MATERIAL: 15M03; TRIM: SEAT STELLITED; OPERATED: HANDWHEEL; SOFTGOODS: PACKING GRAPHITE EXPANDED; STEM DESIGN: RISING SPINDLE; STYLE: COMPRESSION SEAL BONNET; TEMPERATURE RATING: 450 DEG C; DESIGN RATING: CL1690; FIG NO: 5096-MTG-EQ; REFERENCE NO: P781H032NFDA; RF11/12/21/31; P743H; P730H032SYDA; HATTERSLEY HEATON; SUPPLY MATERIAL CERTIFICATE ACORDING TO DIN 50049.3.1.A OR 3.1.C, WITH 7A ROTORK MOUNTING PLATE EQUULISING BYPASS
0067690	SEAT, VALVE: VALVE STYLE: CONTROL; VALVE SIZE: 200 X 250 MM; DIMENSIONS: ID 150 X OD 220 X THK 55 MM; MATERIAL: STL; SPECIFICATION: PED MODULE G; SUPPL P/N: -46009-046; DRAWING NO: 0.46009E REV 0; FOR USE WITH VALVE TYPE NB13S001 OR NB13S002; CERTIFICATE/SIGNED LETTER TO CONFIRM ITEMS REQUIRED ON EVERY DELIVERY
0068983	VALVE, GLOBE: VALVE SIZE: 25 MM; OPERATED: HANDWHEEL; CONNECTION: BW; BODY MATERIAL: 15MO3; TRIM: SEAT STELLITED; SOFTGOODS: COMPOSITE BRAIDED/GRAPHITE PREFORMED; STEM DESIGN: NON RISING SPINDLE; STYLE: WELDED BONNET; DESIGN RATING: 64 BAR; TEMPERATURE RATING: 300 DEG C; REFERENCE NO: VKS1/64.25.11; (11) 28MM ID X 35MM OD; TEST CERTIFICATE TO BE SUPPLIED ON DELIVER
0069079	GASKET, PRE-CUT: DIMENSIONS: ID 337 X OD 355 X THK 1 MM; MATERIAL: SILVER; SHAPE: RD; FISHER VALVE AKZ NO:SG10S007, TYPE NO:667 ED, 1 NO: 10A4154X012, 2 NO:10A4155X012, PISTON RING NO:1U2300X0012
0070043	VALVE, GLOBE: VALVE SIZE: 50 MM; OPERATED: ACTUATOR; CONNECTION: BW; BODY MATERIAL: 15MO3; TRIM: SEAT STELLITED; SOFTGOODS: COMPOSITE BRAIDED/GRAPHITE PREFORMED; STEM DESIGN: NON-RISING SPINDLE; STYLE: INTEGRAL BONNET; DESIGN RATING: 160 BAR; TEMPERATURE RATING: 200 DEG C; SUPPL P/N: VKS1/160; HIGH PRESSURE STOP; SEMPELL TYPE; SPECIFICATIONS 515 NV 12 S002; 50MM ID X 60MM OD; MATERIAL 11
0070044	VALVE, GLOBE: VALVE SIZE: 50 MM; OPERATED: ACTUATOR; CONNECTION: BW; TRIM: SEAT STELLITED; GRADE: C22.8; SOFTGOODS: PACKING P3/P1; STEM DESIGN: NON-RISING SPINDLE; STYLE: INTEGRAL BONNET; Y BODY; TEMPERATURE RATING: 200 DEG C; REFERENCE NO: RP51S104; 16.7 ABS; HIGH PRESSURE STOP; SEMPELL TYPE VKS1; SPECIFICATIONS RP51S104/RP51S138; MATERIAL 01
0070050	VALVE, GLOBE: VALVE SIZE: 50 MM; OPERATED: ACTUATOR; CONNECTION: BW; TRIM: SEAT STELLITED; GRADE: C22.8; SOFTGOODS: PACKING P3/P1; STEM DESIGN: NON-RISING SPINDLE; STYLE: INTEGRAL BONNET; Y BODY; TEMPERATURE RATING: 200 DEG C; REFERENCE NO: RP51S104; 16.7 ABS; HIGH PRESSURE STOP; SEMPELL TYPE VKS1; SPECIFICATIONS RP51S104/RP51S138; MATERIAL 01
0070051	VALVE, GLOBE: VALVE SIZE: 50 MM; OPERATED: HANDWHEEL; CONNECTION: BW; BODY MATERIAL: 10CRMO910; TRIM: BONNET CI; SOFTGOODS: COMPOSITE BRAIDED/GRAPHITE PREFORMED; STEM DESIGN: NON RISING SPINDLE; STYLE: WELDED BONNET; DESIGN RATING: 50 BAR; TEMPERATURE RATING: 540 DEG C; SUPPL P/N: VKS11-250-50-13; VKS11-250-50-13; (13) HIGH PRESSURE STOP; 66MM ID X 76.8MM OD; MATERIAL CERTIFICATES TO BE SUPPLIED WITH DELIVERY; NO CHANGES TO BE MADE UNLESS AUTHORISED BY WELDING ADMINSTRATOR

0070102	VALVE, GLOBE: VALVE SIZE: 25 MM; OPERATED: HANDWHEEL; CONNECTION: BW; BODY MATERIAL: 15MO3; SOFTGOODS: COMPOSITE BRAIDED/GRAPHITE PREFORMED; STYLE: WELDED BONNET; DESIGN RATING: 500 BAR; TEMPERATURE RATING: 250 DEG C; REFERENCE NO: VKS11-320-25-11; HIGH PRESSURE STOP; SEMPELL; 24MM ID X 35MM OD; MATERIAL CERTIFICATE TO BE SUPPLIED WITH DELIVERY; NO CHANGES TO BE MADE UNLESS AUTHORISED BY WELDING ADMINISTRATOR; MATERIAL 11
0084555	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M8; LENGTH: 50 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 25 MM; THREAD: 1.25 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084572	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 40 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 30 MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084574	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M12; LENGTH: 50 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 30 MM; THREAD: 1.75 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0084589	BOLT, ASSEMBLY: TYPE: GENERAL PURPOSE; NOMINAL DIAMETER: M16; LENGTH: 75 MM; HEAD: HEX; GRADE: 4.6; MATERIAL: MS; THREAD LENGTH: 38 MM; THREAD: 2 MM; NUT QUANTITY: 1; NUT MATERIAL: MS; NUT GRADE: 4.6; BOLT PROTECTIVE COATING: BLACK; SPECIFICATION: SABS 135
0089519	NUT, HEX: DIAMETER: M16; THREAD: 2 MM; NUT HEIGHT: 12.5 MM; MATERIAL: STAINLESS STEEL; GRADE: 316; SPECIFICATION: SABS 136; OEM P/N: 5160-250, OEM: GE STEAM POWER SERVICE
0097322	PACKING, BULK: WIDTH: 20 MM; THICKNESS: 20 MM; LENGTH: 8 M; TYPE: GLAND; SHAPE: SQ; REFERENCE NO: GF0999; MATERIAL BRAIDED; CROSS SECTION
178064	VALVE, RELIEF: VALVE SIZE: 500 X 350 MM; TEMPERATURE RATING: 538 DEG C; CONNECTION: BW; BODY MATERIAL: 12CRMO910; TRIM: STL; OPERATED: HANDWHEEL, SPRING; DESIGN RATING: 4.83 MPA
0179572	GLAND, PACKING: DIMENSIONS: ID 16.5 X OD 25.5 X THK 3 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/16.5X25.5/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
179575	GLAND, PACKING: DIMENSIONS: ID 16 X OD 28 X THK 31 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/16X28/CAR/DIE/PRE/NC/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179576	GLAND, PACKING: DIMENSIONS: ID 20.4 X OD 30 X THK 48 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/20.4X30/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179578	GLAND, PACKING: DIMENSIONS: ID 20 X OD 32 X THK 50 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/20X32/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE

0179586	PACKING, PREFORMED: INSIDE DIAMETER: 26 MM; OUTSIDE DIAMETER: 42 MM; THICKNESS: 54 MM; TYPE: GLAND; MATERIAL: GRAPHITE; SUPPL P/N: AES/26X42/CAR/DIE/PRE/C/340/360; LIVE LOADING CART RIDGE; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0179589	PACKING, PREFORMED: INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 44 MM; THICKNESS: 56 MM; TYPE: GLAND; MATERIAL: GRAPHITE; SUPPL P/N: AES/32X44/CAR/DIE/PRE/C/340/360; LIVE LOADING CARTRIDGE; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0179590	GLAND, PACKING: DIMENSIONS: ID 27 X OD 45 X THK 52 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/27X45/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179591	GLAND, PACKING: DIMENSIONS: ID 30 X OD 45 X THK 75 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE PURE 99.8 PCT; SUPPL P/N: AES/30X45/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179596	PACKING, PREFORMED: INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 48 MM; THICKNESS: 82 MM; TYPE: GLAND; MATERIAL: GRAPHITE; SUPPL P/N: AES/32X48/CAR/DIE/PRE/C/340/360; IVE LOADING CART RIDGE; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0179597	GLAND, PACKING: DIMENSIONS: ID 40 X OD 48 X THK 58 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/40X48/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179598	GLAND, PACKING: DIMENSIONS: ID 32 X OD 50 X THK 80 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/32X50/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179599	GLAND, PACKING: DIMENSIONS: ID 35 X OD 50 X THK 70 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/35X50/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179608	GLAND, PACKING: DIMENSIONS: ID 45 X OD 65 X LG 130 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/45X65/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179610	PACKING, PREFORMED: INSIDE DIAMETER: 52 MM; OUTSIDE DIAMETER: 68 MM; THICKNESS: 70 MM; TYPE: GLAND; MATERIAL: GRAPHITE; SUPPL P/N: AES/52X68/CAR/DIE/PRE/C/340/360; LIVE LOADING CART RIDGE; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0179611	GLAND, PACKING: DIMENSIONS: ID 50 X OD 70 X THK 150 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/50X70/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE

0179616	PACKING, PREFORMED: INSIDE DIAMETER: 32 MM; OUTSIDE DIAMETER: 45 MM; THICKNESS: 70 MM; TYPE: GLAND; MATERIAL: GRAPHITE; SUPPL P/N: AES/32X45/CAR/DIE/PRE/C/340/360; LIVE LOADING CART RIDGE; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0179617	GLAND, PACKING: DIMENSIONS: ID 60 X OD 84 X THK 125 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/60X84/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179618	PACKING, PREFORMED: INSIDE DIAMETER: 65 MM; OUTSIDE DIAMETER: 85 MM; THICKNESS: 70 MM; TYPE: GLAND; MATERIAL: GRAPHITE; SUPPL P/N: AES/65X85/CAR/DIE/PRE/C/340/360; LIVE LOADING CART RIDGE; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0179620	PACKING, PREFORMED: INSIDE DIAMETER: 80 MM; OUTSIDE DIAMETER: 109 MM; THICKNESS: 210 MM; TYPE: GLAND; MATERIAL: GRAPHITE; SUPPL P/N: AES/80X109/CAR/DIE/PRE/C/340/360; LIVE LOADING CARTRIDGE; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
0179621	GLAND, PACKING: DIMENSIONS: ID 100 X OD 130 X THK 300 MM; TYPE: LIVE LOADING CARTRIDGE; MATERIAL: GRAPHITE; SUPPL P/N: AES/100X130/CAR/DIE/PRE/C/340/360; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0179622	SEAL: TYPE: BONNET; DIMENSIONS: ID 60 X OD 70 X THK 10 MM; MATERIAL: SS LAMELLAE GR 1-454 REINFORCED GRAPHITE 100 PCT; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179623	SEAL: TYPE: BONNET; DIMENSIONS: ID 70 X OD 80 X THK 10 MM; MATERIAL: SS LAMELLAE GR 1-454 REINFORCED GRAPHITE 100 PCT; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179626	SEAL: TYPE: BONNET; DIMENSIONS: ID 93.2 X OD 102.4 X THK 14 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179627	SEAL, RING: TYPE: BONNET; INSIDE DIAMETER: 100 MM; OUTSIDE DIAMETER: 110 MM; THICKNESS: 12 MM; MATERIAL: GRAPHITE; WITH 45DEG TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179628	SEAL: TYPE: BONNET; DIMENSIONS: ID 100 X OD 110.3 X THK 14 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179634	SEAL, RING: TYPE: BONNET; INSIDE DIAMETER: 155 MM; OUTSIDE DIAMETER: 171 MM; THICKNESS: 15 MM; MATERIAL: GRAPHITE; WITH 45DEG TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179635	SEAL: TYPE: BONNET; DIMENSIONS: ID 185 X OD 200 X THK 12 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179637	SEAL: TYPE: BONNET; DIMENSIONS: ID 205 X OD 220 X THK 15 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179643	SEAL: TYPE: BONNET; DIMENSIONS: ID 220 X OD 240 X THK 15 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE

0179644	SEAL: TYPE: BONNET; DIMENSIONS: ID 220 X OD 240 X THK 20 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179645	SEAL: TYPE: BONNET; DIMENSIONS: ID 260 X OD 280 X THK 19 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179647	SEAL: TYPE: BONNET; DIMENSIONS: ID 280 X OD 300 X THK 19 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179649	SEAL: TYPE: BONNET; DIMENSIONS: ID 300 X OD 320 X THK 15 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179651	GASKET, RING JOINT: CROSS-SECTIONAL SHAPE: SQ; INSIDE DIAMETER: 320 MM; OUTSIDE DIAMETER: 350 MM; THICKNESS: 20 MM; MATERIAL: GRAPHITE; REINFORCED WITH LAMELLA OF SS PREPRESSED TO BE WRAPPED TO PREVENT DAMAGE; TYPE: PRESSURE
0179652	SEAL: TYPE: BONNET; DIMENSIONS: ID 335 X OD 380 X THK 30 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179653	SEAL: TYPE: BONNET; DIMENSIONS: ID 350 X OD 380 X THK 30 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179654	SEAL: TYPE: BONNET; DIMENSIONS: ID 395 X OD 440 X THK 27 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0179657	SEAL: TYPE: BONNET; DIMENSIONS: ID 430 X OD 460 X THK 30 MM; MATERIAL: GRAPHITE; WITH 45 DEGREES TO INNER DIAMETER, TO BE WRAPPED TO PREVENT DAMAGE
0184361	SEAL: TYPE: BONNET; DIMENSIONS: ID 307 X OD 359 X THK 40 MM; MATERIAL: GRAPHITE SS REINFORCED; FINE FINISH, STAINLESS STEEL CUPS SQUARE, FOR STEAM USAGE
0205418	PENETRANT: CONTAINER: CAN AEROSOL 650 ML; SUPPL P/N: 814; FLUID
0210778	PACKING, BULK: WIDTH: 13 MM; THICKNESS: 13 MM; MATERIAL: GRAPHITE BRAIDED; SHAPE: SQ; SUPPL P/N: AES/S/P/350/13MM/2.5KG; TO BE BOXED, WRAPPED AND DUST SEALED TO PREVENT ANY DAMAGE
0217795	BEARING, FLANGE BLOCK: ROLLING ELEMENT: BALL; INSIDE DIAMETER: 25 MM; SHAPE: SQ; BLOCK SIZE: SQ 95 X THK 13 MM; BOLT MOUNTING: 4; BOLT DIAMETER: M12; HOUSING MATERIAL: CI; SUPPL P/N: F205; FOR USE ON DAMPERS, MUST HAVE GRUB SCREWS TO LOCK
0666662	VALVE ASSEMBLY: TYPE: CONTROL; SIZE: 200 X 250 MM; BODY MATERIAL: 13CRMO44; PRESSURE RATING: 400 BAR; CONNECTION SIZE: (ID 194.5 X OD 245) X (ID 252.5 X OD 332) MM; CONNECTION TYPE: BW; OPERATED: ELECTRIC ACTUATOR; VALVE QUANTITY: 1; FACE TO FACE LENGTH: 400 MM; FLOW RATE: 360 UMHO/CM; TRIM: X35CRMO17; SOFTGOODS: GRPHITE; MEDIUM: DEMIN WATER; APPLICATION: CIRCULATION DRAIN SYSTEM; SPECIFICATION: NB13S001/002; STANDARD: DIN; DRAWING NO: 0.46009E REV 0; COMPLETE CIRCULATING DRAIN VALVE; MATERIAL CERTIFICATE AND FULL DATA PACK REQUIRED ON EVERY DELIVERY AND A SIGNED LETTER TO CONFIRM ITEMS

0670058	VALVE ASSEMBLY: TYPE: CONTROL; SIZE: DN65 MM; BODY MATERIAL: 15MO3; PRESSURE RATING: 500 KPA; CONNECTION SIZE: OD 83 X ID 61.5 MM; CONNECTION TYPE: BW; OPERATED: ELECTRIC ACTUATOR; FACE TO FACE LENGTH: 500 MM; FLOW RATE: 27 T/HR; TRIM: X35CRMO17; SOFTGOODS: GRAPHITE; MEDIUM: CONDENSATE; APPLICATION: SPRAY WATER; SPECIFICATION: 0.46012-E; STANDARD: PEG MODULE G; DRAWING NO: NW11/12/32/33/34S001/S011 REV 0; A LETTER AND CERTIFICATE ENSURING THE QUALITY IS REQUIRED ON EVERY DELIVERY PER ITEM
0670062	VALVE ASSEMBLY: TYPE: CONTROL; SIZE: DN50 MM; BODY MATERIAL: 15MO3; PRESSURE RATING: PN 250; CONNECTION SIZE: OD 51 X ID 44 MM; CONNECTION TYPE: BW; OPERATED: ELECTRIC ACTUATOR; FACE TO FACE LENGTH: 400 MM; FLOW RATE: 9.5 KGS; TRIM: X35CRMO17; SOFTGOODS: GRAPHITE; MEDIUM: RH SPRAYWATER REG VALVE 46014; APPLICATION: SPRAY WATER; SPECIFICATION: 0.46014-E; STANDARD: PEG MODULE G; DRAWING NO: NW51/52/53/54S001/S011 REV 0; A LETTER AND CERTIFICATE ENSURING THE QUALITY IS REQUIRED ON EVERY DELIVERY PER ITEM
0670595	VALVE, GATE: VALVE SIZE: 101.6 X 5 MM; TYPE: DISC; DESIGN PRESSURE: 26 BAR; DESIGN TEMPERATURE: 430 DEG C; CONNECTION: BW; FACE TO FACE LENGTH: 300 MM; BODY MATERIAL: GS-17CRMO55; TRIM: STELLITE 6 SEAT; WEDGE 13CR; OPERATED: ACTUATED; APPLICATION: LANCEBLOWER SECTION ISOLATING VALVE; SPECIFICATION: DN100; GRADE: DIN 1.7357; DESIGN RATING: 40 BAR; SUPPL P/N: GA100.10.40.80.S; NV12S001 AND NV22S001; MATERIAL CERTIFICATES AND SIGNED OEM LETTER
0670596	VALVE, GATE: VALVE SIZE: 88.9 X 4 MM; TYPE: DISC; DESIGN PRESSURE: 26 BAR; DESIGN TEMPERATURE: 430 DEG C; CONNECTION: BW; FACE TO FACE LENGTH: 300 MM; BODY MATERIAL: GS-17CRMO55; TRIM: STELLITE 6 SEAT; WEDGE 13CR; OPERATED: ACTUATED; APPLICATION: LANCEBLOWER SECTION ISOLATING VALVE; SPECIFICATION: DN80; GRADE: DIN 1.7357; DESIGN RATING: 40 BAR; SUPPL P/N: GA100.10.40.80; NV11S001; NV21S001 AND NV40S001; MATERIAL CERTIFICATES AND SIGNED OEM LETTER
0670597	VALVE, GATE: VALVE SIZE: 114.4 X 6.3 MM; TYPE: DISC; DESIGN PRESSURE: 26 BAR; DESIGN TEMPERATURE: 130 DEG C; CONNECTION: BW; FACE TO FACE LENGTH: 300 MM; BODY MATERIAL: GS-17CRMO55; TRIM: STELLITE 6 SEAT; WEDGE 13CR; OPERATED: ACTUATED; APPLICATION: SOOTBLOWER MAIN DRAIN ISOLATING VALVE; SPECIFICATION: DN100; GRADE: DIN 1.7357; DESIGN RATING: 40 BAR; SUPPL P/N: GA100.40.100.S; NV30S001; MATERIAL CERTIFICATES AND SIGNED OEM LETTER
178064	VALVE, RELIEF: VALVE SIZE: 500 X 350 MM; TEMPERATURE RATING: 538 DEG C; CONNECTION: BW; BODY MATERIAL: 12CRMO910; TRIM: STL; OPERATED: HANDWHEEL, SPRING; DESIGN RATING: 4.83 MPA
178101	BASKET, STRAINER: DIMENSIONS: DIA 300 X LG 670 MM; MATERIAL: ASTM A182 GR F91; PERFORATION SIZE: 9/11 MM; MEDIA FOR WHICH DESIGNED: STEAM; SHAPE: ROUND; SUPPL P/N: 2-18-00884-01; DRAWING NO: 1-18-01754 REV 1; REFERENCE NO: 3-38-13148-000; COMPLETE WITH STUFFING BOX FOR BOPP; REUTHER HP BYPASS VALVE SIRA 2507; MATERIAL CERTIFICATE REQUIRE AS WELL AS LETTER FROM OEM, MATERIAL: ASTM-A182 GRD F91; MATERIAL CERTIFICATE: EN10204/3.2; ITP WELDING DATA EN10204 3.1; MEDIA:MAIN STEAM AND WATER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).

178198	VALVE, PLUG: VALVE SIZE: 6 IN; DESIGN RATING: CL300; TEMPERATURE RATING: 450 DEG F; CONNECTION: BW; BODY MATERIAL: A216; OPERATED: AIR ACTUATOR; STYLE: BOLTED BONNET; TRIM: SS GR 416; SOFTGOODS: PACKING TFE; GRADE: WCC; TYPE: CONTROL; SUPPL P/N: 657-EAT; REFERENCE NO: 0178199
0017143	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 12 MM; MATERIAL: MS; WEIGHT: 282.6 KG; PROCESS: HOT ROLLED; SPECIFICATION: BS 4360-1972 TABLE 6; GRADE: EN43A
0017142	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 12 MM; MATERIAL: MS; WEIGHT: 282.6 KG; PROCESS: HOT ROLLED; SPECIFICATION: BS 4360-1972 TABLE 6; GRADE: EN43A
0017148	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 16 MM; MATERIAL: MS SABS 1431; WEIGHT: 376.8 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A.
0017147	PLATE, METAL: DIMENSIONS: WD 1.2 M X LG 2.5 M X THK 6 MM; MATERIAL: MS BS 4360, SABS 1431; WEIGHT: 141.3 KG; PROCESS: HOT ROLLED; GRADE: 300WA EN43A

2.1 Purchaser's design

Purchaser has no design. Data pack for all the various spares for outages to be supplied with delivery by the supplier.

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

- a) QCP documents
- b) Technical Data sheet
- c) Technical Drawings
- d) Material certificate
- e) Pressure Test certificate

2.2 Procedure for submission and acceptance of *Supplier's* design

Before the *Supplier* can deliver must ensure that it's the correct spares. The *Supplier* will still be liable to supply the correct spares that will precisely be applicable to the Mill plant standards.

2.3 Other requirements of the *Supplier's* design

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

2.4 Use of *Supplier's* design

Not Applicable

2.5 Manufacture & fabrication

Supplier will be required to provide data pack (as specified in section 2.1 of the works information) will then be the property of the *Purchaser*. As per *Purchaser's* specifications

2.6 Factory acceptance testing (FAT)

QC to be done with the end user after delivery. *Supplier* will be required to provide data Pack for all manufactured and assembled components where applicable.

2.7 Other tests and inspections and commissioning in place of use

The installation and commissioning will be done by the *Purchaser*.

2.8 Operating manuals and maintenance schedules

Supplier to provide operating and maintenance manuals.

3 Supply Requirements

- a) The supply of various spares for outages is on an as and when require basis.
- b) Requests for delivery will be made on a contract release order starting with a Order number
- c) All equipment / spares must be on time of required order date.
- d) Transported by road on supplier's costs and transport.
- e) End user to be informed when delivery will be done at least 2 days upfront.
- f) No deliveries to be done on a Weekend or public holiday except on an emergency basis indicated by the *Purchaser*.
- g) The *Supplier* must deliver the components 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.
- h) Pallets to convey the batch must be strong enough to carry and transport load at any time.
- i) Batches to be clearly marked and packed according to the required specifications.
- j) The stock number, quantity and material short description must be stated on the delivery note.
- k) Each delivery to be recorded on receiving register and each delivery note must have unique number.
- l) Supplier delivery note must indicate partial delivery if partial delivery is made.
- m) The stock number, quantity and material short description must be stated on the delivery note.

- n) *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.

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 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.

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.

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 labor 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.

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) The *Supplier* shall be responsible for the packaging of all Spares delivered to Tutuka Power Station – Main Stores.
- b) All the spares supplied *shall* be individually wrapped or crated.

Delivery to Site

- a) The *Supplier* shall be responsible for the transportation of all Spares delivered to Tutuka Power Station – Main Stores.
- b) Ownership will only be transferred to the *Purchaser* upon payment.

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) Spares must be well packaged and safely transported.

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

- a) All equipment / spares must be on time of required order date.
- b) End user to be informed when delivery will be done at least 2 days upfront.
- c) Lead time to be negotiated upfront to ensure that end user will receive materials, spares / equipment in time. No adherence to Lead times.
- d) All vehicles to be roadworthy.
- e) The *Supplier* will be responsible for the safe transportation of all goods from the supplier's site to the Purchaser offloading point and liable for any damages or stolen goods.
- f) No gate pass or access arranged - *Supply Manager/* Supervisor to be informed when delivery will be done at least 2 days upfront.
- g) No driver available for off-loading - *Supply Manager/* Supervisor to be informed when delivery will be done at least 2 days upfront.
- h) Programme not submitted within agreed time.
- i) Late deliveries due to transportation or labour strikes
- j) Goods not packed correctly.

5.2 Work to be done by the Delivery Date

- a) All equipment / spares must be on time of required order date.
- b) Transported by road on supplier's costs and transport.
- c) 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 must be collected and the correct supplied within 7. days
- d) Only spares specified will be accepted. Any spares that do not meet the specifications will be rejected.
- e) Acceptance, off-loading and QC.
- f) *Purchaser* arranges gate access for the *Supplier*.
- g) *Purchaser* arranges Induction for the *Supplier*
- h) Acceptance, off-loading by personnel at Main Stores and QC by Technical Team / End User
- i) Ensure that the delivered equipment is signed for.

5.3 Marking the goods

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

- a) Name of *Supplier*
- b) Purchase order number
- c) Material number
- d) Serial / part number
- e) Quantity delivered.
- f) And each Component must have a unique identification linked to the relevant *Supplier*.
- g) Short description

The *Supplier* shall be responsible for the packaging of all Spares delivered to Tutuka Power Station – Main Stores.

5.4 Constraints at the delivery place and place of use

- a) *Supplier* to have the correct access to site approved.
- b) End user will determine the offloading point at time.
- c) Forklift / crane with driver will be supplied for offloading.
- d) Pallets to convey the batch must be strong enough to carry and transport load at any time.
- e) Supplier might not be the only supplier delivering on that day and has to wait for assistance.

- f) No gate pass or access arranged - *Supply Manager/* Supervisor to be informed when delivery will be done at least 2 days upfront and arrange access control permit at the gate.
- g) No driver available for off-loading - *Supply Manager/* Supervisor to be informed when delivery will be done at least 2 days upfront.

5.5 Cooperating with Others

Co-operation with others will be from time to time and on a as and when required basis on request by the *Purchaser*.

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

- a) The *Purchaser* will determine the offloading point at 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.

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:
Risk registers and compensation events	TBC	Tutuka Power Station	<i>Supply Manager</i> and <i>Supplier</i>
Overall contract progress and feedback	TBC	Tutuka Power Station	<i>Supply Manager</i> and <i>Supplier</i>
Kick-off meeting	TBC	Tutuka Power Station	<i>Supply Manager</i> and <i>Supplier</i>

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

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

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

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

5.8 Documentation control

- a) 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.

- b) Writing is in the Language of this contract.
- c) All reports to be discussed, compiled and handed in to the *Purchaser*.
- d) 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.
- 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 Tutaka 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

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 work-places 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

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 *Purchaser'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

Not Applicable

5.11 Quality

- The *Supplier* must conform to Quality Management System-ISO 9001:2015 requirements.
- The *Supplier* to conforms to ISO 9001:2015 requirements (Quality Management System). *Supplier* is bound to conform to Eskom documented information such as procedures (Control of non-conforming output products and services), policies etc.
- *Supplier* to ensure all quality checks are done prior dispatch of components and where needed proof to be provided to the client.
- The *Supplier* will fully conform to the requirement of the *Supplier* Quality Requirement Specification (QM-58), standards, procedures, Eskom policies and etc.
- The *Supplier* might be subjected to audits and as part of monitoring.
- All documents that will be arising from this project must remain with the client such as manuals.
- Where applicable the service provider must conform to any statutory requirements

Where the principal service provider will be sub-contracting, the principal service provider must provide the documented information on how to control sub-contracted service provider.

For safe keeping of components packaging must be accordingly and manuals must be part of deliveries so that client will know how to preserve items.

Supplier to deliver according to client specification. Where ITP (Inspection Tests Plans) are required, *Supplier* to submit all test results to the client.

Quality control on components to be done by the end user, to confirm components received was based on the specification given.

Supplier to conform to QM58- *Supplier* Quality Management Specification, where possible or needed the *Supplier* might be audited.

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*.

- NEC3 SC Insurance Core Clauses shall be applied and Z13 Insurance clause.

5.14 Contract change management.

- a) In a case where one *Supplier* takes over from another *Contractor*, the Site *Supply Manager* must be notified in writing immediately.
- b) The *Supplier* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Purchaser*.
- c) Changing the Service Information
- d) Access
- e) Provision by the *Purchaser*
- f) Stopping work
- g) Work of the *Purchaser* or others
- h) Reply to communication.
- i) Changing a decision
- j) Withholding acceptance
- k) Delayed tests or inspections
- l) Change of Affected property
- m) Materials, facilities, etc. for tests
- n) *Purchaser* risks
- o) Assumption about Compensation Events
- p) *Purchaser* breach of contract

5.15 Provision of bonds and guarantees.

Not Applicable

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

Will be done as per the *Employer's* invoicing and payment procedure and requirements.

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

Not Applicable

6.1.2 Limitations on subcontracting

Not Applicable

6.1.3 Spares and consumables.

Not Applicable

6.1.4 Other requirements related to procurement.

To be negotiated with *Supply Manager*

6.1.5 Cataloguing requirements by the *Supplier*

For new stock or change in stock numbers *Supplier* to discuss with the *Purchaser* for catalogue requirements

7 List of drawings

7.1 Drawings issued by the *Purchaser*.

This is the list of drawings issued by the *Purchaser* at or before the Contract Date and which apply to this contract.

Purchaser will not issue any drawings. As per OEM specifications

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*

- Low performance damages

X17.1 SERVICE LEVEL TABLE			
No	DESRICPTION OF TASK	QUALITY OF PERFORMANCE REASON FOR DAMAGES	DAMAGES TO BE IMPLEMENTED
1	Components performance	Failure to meet design performance requirements within warranty period.	Components to be collected, repaired and/or replaced by the <i>Contractor</i> .
2	Packing and preliminary marking of goods before delivery	All items must be wrapped with clear, plastic, bubble wrap that is clear or be placed inside cardboards for preservations purposes. The marking should be as follows Name of Supplier, Purchase order number, Part number and delivery date	2 % of order value and to be taken back for preservations

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
Natural Disasters	Delay completion	Supplier assesses the risks that are likely and plan accordingly.
Correct material use	Premature failure of component	Material certificates for each new component used on the equipment to be submitted to Eskom with the data pack.
Delivery of defective spares	Load and production loss	QC, tests and inspections to be done by Purchaser prior delivery
Delivery of incorrect spares	Load and production loss	QC, tests and inspections to be done by Purchaser on delivery