



NEC3 Supply Contract (SC3)

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

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

for **KUSILE POWER STATION SUPPLY & DELIVERY OF
PNEUMATIC ACTUATORS SPARES AS AND WHEN
REQUIRED**

Contents:	No of pages
Part C1 Agreements & Contract Data	[•]
Part C2 Pricing Data	[•]
Part C3 Scope of Work	[•]

CONTRACT No. [Insert at award stage]

PART C1: AGREEMENTS & CONTRACT DATA

Contents:	No of pages
C1.1 Form of Offer and Acceptance	[•]
[to be inserted from Returnable Documents at award stage]	
C1.2a Contract Data provided by the <i>Purchaser</i>	[•]
C1.2b Contract Data provided by the <i>Supplier</i>	[•]
[to be inserted from Returnable Documents at award stage]	
C1.3 Proforma Guarantees	[•]

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:

Kusile Power Station Pneumatic Actuators Spares As And When Required

The tenderer, identified in the Offer signature block, has

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

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

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

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

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)

Name(s)	Bonga Mashazi	
Capacity	General Manager: Kusile Power Station	
for the Purchaser	Eskom Holdings SOC Limited Kusile Power Station R545 Kendal/Balmoral Rd Haartebeesfontein Farm Witbank	

Name &
signature of
witness

Date

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

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

Note:

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

No.	Subject	Details
1	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)*Name &
signature
of witness

Date

Bonga Mashazi

General Manager: Kusile Power Station

 Eskom Holdings SOC Limited
 Kusile Power Station
 R545 Kendal/Balmoral Rd
 Haartebeesfontein Farm
 Witbank
C1.2 SC3 Contract Data**Part one - Data provided by the *Purchaser***

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	
		X1: Price adjustment for inflation
		X2: Changes in the law
		X4: Parent company guarantee
		X7: Delay 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.	+27 11 800 8111
	Fax No.	N/A
10.1	The <i>Supply Manager</i> is (name):	Msizi Mhlongo
	Address	Kusile Power Station
	Tel	+27 13 699 7614
	Fax	N/A
	e-mail	MhlongMi@eskom.co.za
11.2(13)	The <i>goods</i> are	Supply & Delivery of Pneumatic Actuators Spares
11.2(13)	The <i>services</i> are	Supply & Delivery of Pneumatic Actuators Spares on an as and when required basis
11.2(14)	The following matters will be included in the Risk Register	All risks will be identified prior, addressed, and registered during the risk register meeting that will take place as agreed between the parties
11.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it refers.
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

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

13.1	The <i>language of this contract</i> is	English	
13.3	The <i>period for reply</i> is	2 weeks	
2	The <i>Supplier's</i> main responsibilities	Data required by this section of the core clauses is provided by the <i>Supplier</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.	
3	Time		
30.1	The <i>starting date</i> is.	TBC	
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>
		As per purchase order	As per purchase order
30.2	The <i>Supplier</i> does not bring the <i>goods</i> to the Delivery Place more than one week before the Delivery Date.	As per agreed date on purchase order	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	1 weeks of the Contract Date.	
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	2 weeks.	
4	Testing and defects		
42	The <i>defects date</i> is	52 weeks after Delivery.	
43.2	The <i>defect correction period</i> is	To be agreed within 48 hours, on the first working day from receipt of the purchaser's written defects notification	
42.2	The <i>defects access period</i> is	5 days	
5	Payment		
50.1	The <i>assessment interval</i> is	between the 25th day of each successive month.	
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	N/A
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (zero Rand)
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event and (2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last defects date is limited to:	R[●] [This is a commercial decision, but consider using the total of the Prices. Delete this note after inserting a Rand amount]

88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	R[•] [This is a commercial decision, but consider using at least the total of the Prices. Delete this note after inserting the Rand amount]
88.5	The <i>end of liability date</i> is	1 year after Delivery of the whole of the <i>goods and services</i> .

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	1st Floor, Maisels Chamber, 4 Protea Place, Sandton
	Tel No.	011 320 0600
	Fax No.	011 320 0533
	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	Rates are fixed and firm for first 12 months after first order placement date. There after CPA escalation will apply. Base date will be the month before the month which the enquiry closes.
	The proportions used to calculate the	proport linked to index Index prepared by

	Price Adjustment Factor are:	ion	for	
		15%.	non-adjustable	[•]
		0.	[•]	[•]
		0.	[•]	[•]
		0.	[•]	[•]
		0.	[•]	[•]
		1.00		
X2	Changes in the law			
X2.1	A change in the law of	[•] is a compensation event if it occurs after the Contract Date		
X3	Multiple currencies			
X3.1	The Purchaser will pay for these items in the currencies stated	Items	Other currency	Total maximum payment in the currency
		[•]	TBC	
		[•]		
		[•]		
X3.1	The exchange rates are those published in	[•] on [•] (date)		
		The items will be paid in the other currency - to a foreign Bank account nominated by the Supplier - to a valid SARB approved CFC account in South Africa - in accordance with an alternative payment method agreed with the Purchaser before the Contract Date.		
		(select one of the three methods as agreed with the successful tenderer prior to contract award and delete the others and this note)		
X4	Parent company guarantee	There is no reference to Contract Data in this Option and terms in italics are identified elsewhere in this Contract Data.		
X7	Delay damages			
X7.1	Delay damages for Delivery are	Delivery of	amount per day	
		Late delivery of spares	5% of full cost for 10days of delay of purchase order value up to maximum of 10% of total value.	

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	means any unlawfully or illegally intentional act or omission that misleads, or attempts

Action to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,

Obstructive Action means a Committing Party unlawfully or illegally destroying, falsifying, altering or concealing information or making false statements to materially impede an investigation into allegations of Prohibited Action, and

Prohibited Action means any one or more of a Coercive Action, Collusive Action Corrupt Action, Fraudulent Action or Obstructive Action.

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

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

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

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

Z13Insurance

Z 13.1 Replace core clause 84 with the following:

Insurance cover 84

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

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

INSURANCE TABLE A

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

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

87

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

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

Terrorism	
-----------	--

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 44 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 44 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:

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

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

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

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

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

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

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

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

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	[State the constraints on how the <i>Supplier</i> manufactures, prototypes, tests and stores the <i>goods</i> including order and timing]	
2. The requirements for transport are	[State the extent to which the <i>Supplier</i> transports the <i>goods</i> and the mode of transport]	
3. The delivery place is	[State the location where the <i>goods</i> are to be placed by the <i>Supplier</i> , such as whether it is a dispatch department at the <i>Supplier's</i> premises, the <i>Purchaser</i> is to collect or other location the <i>Purchaser</i> may require. If the delivery place for the <i>services</i> is different to the <i>goods</i> state it here]	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	
	Checking packing and marking before dispatch	
	Contracting for transport	
	Pay costs of transport	
	Arrange access to delivery place	
	Loading the <i>goods</i>	
	Unloading the <i>goods</i>	
For international procurement	Undertake export requirements	
	Undertake import requirements	
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*

[Instructions to the contract compiler: (delete this note before issue to tenderers with an enquiry)

Whenever a cell is shaded in the left hand column it denotes this data is optional and would be required in relation to the option selected. In the event that the option is not required select and delete the whole row.]

Notes to a tendering supplier:

1. Please read both the NEC3 Supply Contract (SC3)⁴ and the relevant parts of its Guidance Notes (SC3-GN)⁵ in order to understand the implications of this Data which the tenderer is required to complete.
2. The number of the clause which requires the data is shown in the left hand column for each statement however other clauses may also use the same data
3. Where a form field like this [] appears, data is required to be inserted relevant to the option selected. Click on the form field **once** and type in the data. Otherwise complete by hand and in ink.

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

Clause	Statement	Data
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.	
11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:	
11.2(11)	The tendered total of the Prices is	R , (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	TBC
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are	TBC
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<i>goods and services</i> 1 [•] <i>delivery date</i> [•]
31.1	The programme identified in the Contract Data is contained in:	TBC
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%

⁴ Either April 2013 or December 2009 Edition as stated by *Purchaser* in Contract Data part 1.

⁵ Available from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902, or www.ecs.co.za

C1.3 Forms of Securities

Pro formas for Bonds & Guarantees

For use with the NEC3 Supply Contract (SC3)

[Note to contract compiler:

Once it has been decided which securities are required for this contract delete from this file the ones not required, revise the notes below accordingly and delete this note.]

The *conditions of contract* stated in the Contract Data Part 1 may include the following Options:

Option X4: Parent company guarantee

These Options require a bond or guarantee "in the form set out in the Goods Information".

Pro forma documents for these bonds and guarantees are provided here for convenience but are to be treated as part of the Goods Information.

The organisation providing the bond / guarantee does so by copying the pro forma document onto its letterhead without any change to the text or format and completing the required details. The completed document is then given to the *Purchaser* within the time stated in the contract.

Pro forma Parent Company Guarantee (for use with Option X4)

(to be reproduced exactly as shown below on the letterhead of the Supplier's Parent Company)

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

Date:

Dear Sirs,

Parent Company Guarantee for Contract No

With reference to the above numbered contract made or to be made between

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

(the *Purchaser*) and

[Insert registered name and address of the *Supplier*]

(the *Supplier*), for

[Insert details of the goods and services from the Contract Data]

(the *goods and services*).

I/We the undersigned

on behalf of the *Supplier's*
parent company (name)

of physical address

and duly authorised thereto do hereby unconditionally guarantee to the *Purchaser* that the *Supplier* shall Provide the Goods and Services in accordance with the above numbered Contract.

1. If for any reason the *Supplier* fails to Provide the Goods and Services, we hereby agree to Provide the Goods and Services at no additional cost to the *Purchaser*.
2. If we fail to comply with the terms of this Deed of Guarantee, the *Purchaser* may itself procure such performance (whether or not the Agreement be formally determined). The *Purchaser* is to notify us and we shall indemnify the *Purchaser* for any additional cost or expense it incurs.
3. Our liability shall be as primary obligor and not merely as surety and shall not be impaired or discharged by reason of any arrangement or change in relationship made between the *Supplier* and the *Purchaser* and/or between us and *Supplier*; nor any alteration in the obligations undertaken by the *Supplier* or in the terms of the Agreement; nor any indulgence, failure, delay by you as to any matter; nor any dissolution or liquidation or such other analogous event of the *Supplier*.
4. The *Purchaser* shall not be obliged before taking steps to enforce the terms of this Deed of Guarantee to obtain judgement against the *Supplier* in any court or other tribunal, to make or file any claim in liquidation (or analogous proceedings) or to seek any remedy or proceed first against the *Supplier*.
5. This Deed of Guarantee shall be governed by and construed in accordance with the laws of the Republic of South Africa and we hereby submit to the non-exclusive jurisdiction of the High Court of South Africa.

Signed at _____

on this _____

day of _____

20__

Signature(s)	
Name(s) (printed)	
Position in parent company	
Signature of Witness(s)	
Name(s) (printed)	
<i>below on the letterhead of the Bank providing the Bond / Guarantee)</i>	

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

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

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*

As per pricelist attached.

Material	Long Text	Total Qty	Unit Price	Total Price
614311	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 200 X LG 380 X HT 308 MM; PRESSURE RATING: MAX 7 BAR; TRAVEL: 80-100 DEG; OPERATED: ROTATIONAL; MATERIAL: ZINC ALLOY; INLET CONNECTION TYPE: G1/2 IN-BSPP AIR PORTS; INLET CONNECTION SIZE: 1/2" AIR PORTS; SUPPL P/N: 144-100; MATERIAL: DIE CAST ZINC ALLOY. FINISH: EPOXY STOVE ENAMEL. OUTPUT TORQUE: 1375 NM AT 7 BAR. DISPLACEMENT VOLUME: 33294CM3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	15		

614312	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 100 X LG 178 X HT 146 MM; PRESSURE RATING: MAX 7 BAR; TRAVEL: 80-100 DEG; OPERATED: ROTATIONAL; MATERIAL: ZINC ALLOY; INLET CONNECTION TYPE: G1/4 IN-BSP AIR PORTS; INLET CONNECTION SIZE: 1/4" AIR PORTS; SUPPL P/N: 074-100; MATERIAL: DIE CAST ZINC ALLOY. FINISH: EPOXY STOVE ENAMEL. OUTPUT TORQUE: 124 NM AT 7 BAR. DISPLACEMENT VOLUME: 300CM3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	11		
614313	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: 210.5 MM; PRESSURE RATING: MAX 8 BAR; TRAVEL: 90 DEG; OPERATED: PNEUMATIC, DUBBEL ACTING; MATERIAL: AL ALLOY EXTRUDED; REFERENCE NO: 12028865; 90 DEG ROTATION WITH STROKE ADJUSTMENT +/- 4 DEG VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	19		

617957	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 156 X LG 294 X HT 239 MM; PRESSURE RATING: MAX 7 BAR; TRAVEL: 80-102 DEG; OPERATED: ROTATIONAL; MATERIAL: ZINC ALLOY DIE CAST; INLET CONNECTION TYPE: G3/8 IN-BSPP AIR PORTS; OUTLET CONNECTION SIZE: 3/8 IN AIR PORTS; REFERENCE NO: 1236055; SUPPL P/N: 124-100; APPLICATION: ASH FLOW CONTROL VALVES; FINISH: EPOXY STOVE ENAMEL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		
617958	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: LG 158.5 X HT 85 MM; PRESSURE RATING: MAX 8 BAR; TRAVEL: 90 DEG; OPERATED: ROTATIONAL; MATERIAL: AL ALLOY EXTRUDED; SUPPL P/N: AT101UDB; APPLICATION: BUTTERFLY VALVE; CONVEYING AIR SUPPLY VALVESVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		

620047	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 166 X LG 394.5 X HT 177 MM; PRESSURE RATING: 0-8 BAR; TRAVEL: 90 DEG; OPERATED: ACTUATOR RACK/PINION, DOUBLE ACTING; MATERIAL: ALUMINIUM; INLET CONNECTION TYPE: G THREADED; INLET CONNECTION SIZE: 1/4 IN; OUTLET CONNECTION TYPE: G THREADED; OUTLET CONNECTION SIZE: 1/4 IN; SUPPL P/N: AT451U/D/B; APPLICATION: DRY ASH TRANSFER VENT VALVE ACTUATORVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		
620048	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 83 X LG 158.5 X HT 105 MM; PRESSURE RATING: 0-8 BAR; TRAVEL: 90 DEG; OPERATED: ACTUATOR RACK/PINION, DOUBLE ACTING; MATERIAL: ALUMINIUM; INLET CONNECTION TYPE: NPT; INLET CONNECTION SIZE: 1/4 IN; OUTLET CONNECTION TYPE: NPT; OUTLET CONNECTION SIZE: 1/4 IN; SUPPL P/N: RP63DA; APPLICATION: SILO AERATIONVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		

620049	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 94.5 X LG 210.5 X HT 122 MM; PRESSURE RATING: 0-8 BAR; TRAVEL: 90 DEG; OPERATED: ACTUATOR RACK/PINION, DOUBLE ACTING; MATERIAL: ALUMINIUM; INLET CONNECTION TYPE: NPT; INLET CONNECTION SIZE: 1/4 IN; OUTLET CONNECTION TYPE: NPT; OUTLET CONNECTION SIZE: 1/4 IN; SUPPL P/N: RP75DA; APPLICATION: SILO AERATIONVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	17		
620050	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 106.5 X LG 247.5 X HT 135 MM; PRESSURE RATING: 0-8 BAR; TRAVEL: 90 DEG; OPERATED: ACTUATOR RACK/PINION, DOUBLE ACTING; MATERIAL: ALUMINIUM; INLET CONNECTION TYPE: NPT; INLET CONNECTION SIZE: 1/4 IN; OUTLET CONNECTION TYPE: NPT; OUTLET CONNECTION SIZE: 1/4 IN; SUPPL P/N: RP88DA; AEROSLIDE AIR CROSSOVER VALVEVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	17		

621243	KIT, ACTUATOR REPAIR: TYPE: ROTARY; APPLICATION: ACTUATOR; COMPRISING: ACETAL-BEARING PAD; ACETAL-SPACER; LOWER BEARING; RETAINING RING; UPPER BEARING; WASHER NYLON; SUPPL P/N: 23807084	22		
621244	KIT, ACTUATOR REPAIR: TYPE: ROTARY; APPLICATION: ACTUATOR; COMPRISING: ACETAL-BEARING PAD; ACETAL-SPACER; LOWER BEARING; RETAINING RING; UPPER BEARING; WASHER NYLON; SUPPL P/N: 38454484	22		
621245	KIT, ACTUATOR REPAIR: TYPE: ROTARY; APPLICATION: ACTUATOR; COMPRISING: ACETAL-BEARING PAD; ACETAL-SPACER; LOWER BEARING; RETAINING RING; UPPER BEARING; WASHER NYLON; SUPPL P/N: 38454500	22		
621246	KIT, ACTUATOR REPAIR: TYPE: ROTARY; APPLICATION: ACTUATOR; COMPRISING: ACETAL-BEARING PAD; ACETAL-SPACER; LOWER BEARING; RETAINING RING; UPPER BEARING; WASHER NYLON; SUPPL P/N: 38451977	1		
629905	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 160 MM; PRESSURE RATING: MAX 10 BAR; TRAVEL: 220 MM; OPERATED: LINEAR; MATERIAL: AL; INLET CONNECTION SIZE: 1/4 IN; OUTLET CONNECTION SIZE: 1/4 IN; SUPPL P/N: 200NB-C160-220; DOUBLE ACTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

629906	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 100 MM; PRESSURE RATING: MAX 10 BAR; TRAVEL: 95 MM; OPERATED: LINEAR; MATERIAL: AL; INLET CONNECTION SIZE: 1/4 IN; OUTLET CONNECTION SIZE: 1/4 IN; SUPPL P/N: 80NB-C80- 95; DOUBLE ACTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
632080	PUSH BUTTON: TYPE: ILLUMINATION; OEM P/N: 1SFA611100R1001; 1SFA611605R1100; 1SFA611610R1001MCB10; 1SFA611610R1010MCB01; ACTUATOR COLOUR RED; SEALING IP66; BUTTON SHAPE FLAT; MANUFACTURE SERIES MP-10R; MOUNTING HOLE DIA 22.5 MM; SWITCH HOLDER STANDARD(MOUNTING UNIT) 22 MM; SUPPLY CIRCUIT 50 HZ; MODULAR CONTACT BLOCK MCB-01	1		
635432	ACTUATOR, HYDRAULIC: TYPE: ELECTRO; RATING: 19 MPA; TRAVEL: 519 MM; OPERATED: ELECTROHYDRAULIC; SPECIFICATION: 50-32-519; BORE DIA: 50MM X ROD DIA: 32MM; OUTSTROKE FORCE: 37KN; INSTROKE FORCE: 22KN; OUTSROKE SPEED: 60MM/S; INSTROKE SPEED: 100MM/S; DRIVE: 4W 4P 400VAC	1		

636474	GASKET SET: TYPE: VALVE ACTUATOR; APPLICATION: MAIN CONDENSATE CIRCUIT FILLING ISOLATING GLOBE VALVE ACTUATOR; REFERENCE NO: M26-026-100; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
636641	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 94.5 X LG 210.5 X HT 102 MM; PRESSURE RATING: 8 BAR; TRAVEL: 0.35 MM AT 90 DEG; OPERATED: DOUBLE ACTING; MATERIAL: AL EXTRUDED; SUPPL P/N: 4GAT204DA-B-F05/14 (80NB); DUAL PISTOL RACK AND PINIONVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
636642	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 83 X LG 158.5 X HT 85 MM; PRESSURE RATING: 8 BAR; TRAVEL: 0.3 SEC AT 90 DEG; OPERATED: DOUBLE ACTING; MATERIAL: AL EXTRUDED; SUPPL P/N: 4GAT104DA-B-F05/14 (50NB); DUAL PISTOL RACK AND PINIONVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

636643	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 94.5 X LG 210.5 X HT 102 MM; PRESSURE RATING: 8 BAR; TRAVEL: 0.35 SEC AT 90 DEG; OPERATED: DOUBLE ACTING; MATERIAL: AL EXTRUDED; SUPPL P/N: 4GAT204DA-B-F05/14 (100NB); DUAL PISTON RACK AND PINIONVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	1		
636644	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 141 X LG 315 X HT 145 MM; PRESSURE RATING: 8 BAR; TRAVEL: 0.8 SEC AT 90 DEG; OPERATED: DOUBLE ACTING; MATERIAL: AL EXTRUDED; SUPPL P/N: 4GAT354DA-B-F07/22 (150NB); DUAL PISTON RACK AND PINIONVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	1		
636645	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: WD 171.5 X LG 408.5 X HT 177 MM; PRESSURE RATING: 8 BAR; TRAVEL: 0.8 SEC AT 90 DEG; OPERATED: DOUBLE ACTING; MATERIAL: AL EXTRUDED; SUPPL P/N: 4GAT454DA-B-F10/27 (200NB); DUAL PISTON RACK AND PINIONVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	1		

637718	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 140 X HT 308 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 92-119; SUPPL P/N: 92-1190-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637719	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 161 X HT 313 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; DRAWING NO: BV-8 REV 0; MODEL NO: 93-1285; SUPPL P/N: 93-1285-11375-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637720	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 117 X HT 218 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; MODEL NO: 93-934; SUPPL P/N: 93-0934-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

637721	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 88 X HT 142 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 92-63; SUPPL P/N: 92-0630-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637722	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 140 X HT 302 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 93-1194; SUPPL P/N: 93-1194-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637723	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 198 X HT 395 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 92-160; SUPPL P/N: 92-1600-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

637724	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 108 X HT 188 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; MODEL NO: 93-834; SUPPL P/N: 93-0834-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637725	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 306 X HT 731 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 93-2554; SUPPL P/N: 93-2554-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637726	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 258 X HT 497 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO OPEN; MODEL NO: 93-2104; SUPPL P/N: 93-2104-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

642599	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 200 MM; PRESSURE RATING: 8 BAR; 120 PSI; TRAVEL: 680 MM; OPERATED: AIR; SUPPL P/N: SA/8200/M/680; COMPLETE DOUBLE ACTING CYLINDER; WITH 2 X BALL VALVE COCKS; LOCKABLE G1/2 IN TYPE 04321321; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
643442	ACTUATOR: APPLICATION: U1 CO2 EXPANSION DEVICE ISOLATING VALVE MOTOR; SUPPL P/N: DPMC59-L/D-8; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
645243	ACTUATOR, PNEUMATIC: DRAWING NO: C-357186 REV 0; SUPPL P/N: CV700RA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
645244	ACTUATOR, PNEUMATIC: SUPPL P/N: CV700DA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

648744	SOLENOID: TYPE: ACTUATOR ELECTRIC; COIL VOLTAGE: 230 VAC; 24 VDC; REFERENCE NO: MN1H-5/2-D-1-C; PART NO: 159688; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
654720	DIAPHRAGM, ACTUATOR: SUPPL P/N: 0340-C-8-B-G1/4- 24V/DC	1		
655652	ACTUATOR, PNEUMATIC: DIMENSIONS: DN150; PRESSURE RATING: PN16; TRAVEL: 200-250 MM; OPERATED: AIR TORQUE; SUPPL P/N: SC450-6/DN150/ PN16; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
659399	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 173 X LG 395 X HT 198 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO OPEN; DRAWING NO: BV-7 REV 0; SUPPL P/N: 93-1605- 11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

659400	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 273 X LG 731 X HT 306 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; SUPPL P/N: 93-2553-11375-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
659401	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 273 X LG 731 X HT 306 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: DOUBLE ACTING; DRAWING NO: BV-6 REV 0; SUPPL P/N: 92-2550-11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
659402	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 97 X LG 188 X HT 108 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; SUPPL P/N: 92-0830-11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

659403	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 97 X LG 188 X HT 108 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; DRAWING NO: BV-8A REV 0; SUPPL P/N: 93-0832- 11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
659404	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 97 X LG 188 X HT 108 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: DOUBLE ACTING; SUPPL P/N: 93-0835- 11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
662116	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 510MM X LG 1M X HT 320MM; PRESSURE RATING: 10 BAR; TRAVEL: 64 MM; OPERATED: AIR TO OPEN; MODEL NO: CA100DS; REFERENCE NO: 27765; PISTOL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

662117	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 510MM X LG 1M X HT 320MM; PRESSURE RATING: 10 BAR; TRAVEL: 100 MM; OPERATED: AIR TO OPEN; MODEL NO: CW100DS; REFERENCE NO: 27904; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
662118	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 350 X LG 580 X HT 228 MM; PRESSURE RATING: 10 BAR; TRAVEL: 38 MM; OPERATED: AIR TO OPEN; MODEL NO: CA050DS; REFERENCE NO: 27763; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
663542	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 200 X LG 863 MM; PRESSURE RATING: 500-800 KPA; TRAVEL: 100 MM AT 100 DEG; OPERATED: SPRING LOADED; REFERENCE NO: RPS60-S2-B1-CL; SUPPL P/N: Q2200604001; SINGLE ACTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

664699	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 330 MM; PRESSURE RATING: 6 BAR; TRAVEL: 2971MM AT 90DEG; 2207MM AT 0DEG; OPERATED: SPRING RETURN; SUPPL P/N: SC05000-6F2555-RE/ME; DOUBLE ACTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
665913	KIT, ACTUATOR REPAIR: TYPE: DRIVE; APPLICATION: ACTUATORS; SPECIFICATION: 877101; 877102; COMPRISING: GASKETS; O- RINGS; SUPPL P/N: 400RA- SOFT	22		
666080	ACTUATOR, PNEUMATIC: DIMENSIONS: SQ 45 MM; PRESSURE RATING: 0.2-1 BAR; TRAVEL: 1/4 TURN; OPERATED: PNEUMATIC CYLINDER DIA 125MM; DRAWING NO: VDD-251-00 REV 0; SUPPL P/N: VDD-250- 00-S08; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
666246	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 63 MM; PRESSURE RATING: 0.5-7 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MATERIAL: AL; SPECIFICATION: VDD-080- 00; SUPPL P/N: 1319-063-125- 01; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

666509	PUSH BUTTON: TYPE: BLACK ACTUATOR; MANUF P/N: M22-D-S; DEGREE OF PROTECTION IP67, IP69K; TEMPERATURE - 25 TO 70 DEG C; SHAPE ROUND; CUTOUT DIA 22.5MM; PUSH BUTTON ACTUATION MOMENTARY; PUSH BUTTON DIAMETER 29.7MM	22		
666533	PUSH BUTTON: TYPE: WHITE FLUSH ACTUATOR; MANUF P/N: M22-D-W; FLAT DESIGN; IP66; BEZEL TITANIUM; IEC 60947; ROUND; DIAMETER 22MM	22		
667138	ACTUATOR, PNEUMATIC: DIMENSIONS: SQ 10 X LG 12 IN; PRESSURE RATING: 4.2 BAR; TRAVEL: 2.5 IN; OPERATED: AIR TO OPEN; MATERIAL: STL; SUPPL P/N: 400152404; SIZE 18 MODEL; OTHER MATERIALS: YOKE: STL; DIAPHRAGM: ELASTOMER WITH FABRIC INSERT; HANDWHEEL SIDE MOUNTED; SPRING DIAPHRAGM; BENCH RANGE: 1.7-3.5BAR; SHUTOFF PRESSURE: 31BAR; FOR USE ON AUXILIARY STEAM TO FEED WATER TANK PRESSURE CONTROL VALVE 38-41495; 2X GASKETS SYNTHETIC FIBRES NITRILE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

667903	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 476 MM; PRESSURE RATING: 1.4-3.10 BAR G; TRAVEL: 1.5 IN; OPERATED: AIR TO OPEN; DRAWING NO: 88-41415A REV 0; REFERENCE NO: 21.00235; SIDE MOUNTED HAND WHEEL; SPRING DIAPHRAGM: SIZE 16VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
669829	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 330 MM; PRESSURE RATING: 7 BAR; TRAVEL: 900 MM; OPERATED: PNEUMATIC; DOUBLE ACTING WITH MAGNETIC PISTOL; SUPPL P/N: SA8125/M/900; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
669853	KIT, VALVE REPAIR: TYPE: PNEUMATIC ACTUATOR; APPLICATION: EMERGENCY DRAIN CONTROL VALVE HP 6A/B; COMPRISING: 8 X PREFORMED PACKING RINGS- KEVLAR WITH PTFE PART B006; 1 X PREFORMED BODY GASKET-AISI 316L WITH GRAPHITE FILLER PART B010; 1 X PREFORMED SEAL RING- ASTM A439 TYD3 PART B011; 1 X PREFORMED SEAT RING GASKET-AISI 316L WITH GRAPHITE FILLER PART B014; DRAWING NO: 88- 41415/14"X4"X14" REV 0; SIZE: 8 X 4 X 8 IN; 72 BAR; DESIGN TEMP: 286DEG C	22		

669854	KIT, VALVE REPAIR: TYPE: PNEUMATIC ACTUATOR; APPLICATION: NORMAL DRAIN CONTROL VALVE HPH 5A/B; COMPRISING: 8 X PREFORMED PACKING RINGS-KEVLAR WITH PTFE PART B006; 1 X PREFORMED BODY GASKET- AISI 316L WITH GRAPHITE FILLER PART B010; 1 X PREFORMED SEAL RING-ASTM A439 TYD3 PART B011; 1 X PREFORMED SEAT RING GASKET-AISI 316L WITH GRAPHITE FILLER PART B014; DRAWING NO: 88- 41415/12"X3"X12" REV 0; SIZE: 6 X 5 X 6 IN; 37 BAR; DESIGN TEMP: 254 DEG C	22		
669855	KIT, VALVE REPAIR: TYPE: PNEUMATIC ACTUATOR; APPLICATION: NORMAL DRAIN CONTROL VALVE HPH 6A/B; COMPRISING: 8 X PREFORMED PACKING RINGS-KEVLAR WITH PTFE PART B006; 1 X PREFORMED BODY GASKET- AISI 316L WITH GRAPHITE FILLER PART B010; 1 X PREFORMED SEAL RING-ASTM A439 TYD3 PART B011; 1 X PREFORMED SEAT RING GASKET-AISI 316L WITH GRAPHITE FILLER PART B014; DRAWING NO: 88- 41415A/10"X3"X10" REV 0; SIZE: 6 X 3 X 6 IN; 72 BAR; DESIGN TEMP: 286 DEG C	22		

671828	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 107.5 X LG 393.7 X HT 137.5 MM; PRESSURE RATING: 4.2-8.4 BAR; TRAVEL: 90 DEG C; OPERATED: AIR TO OPEN; SPRING TO CLOSE; MATERIAL: AL; SUPPL P/N: SR90-F05-F07; OUTPUT TORQUE: 90NM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
579223	VALVE, SOLENOID: PIPE SIZE: DIA 50 MM; STYLE: 2 WAY; 1 SOLENOID; POTENTIAL: 230 VAC; DESIGN RATING: 0-16 BAR; CONNECTION: G1/4-G6; BODY MATERIAL: BRASS; ENCLOSURE RATING: IP65 DIN40050; MEDIUM: GAS; SPECIFICATION: DIN ISO 228; MANUF P/N: B4328/1001/242	22		
607745	SOLENOID, ELECTRICAL: DUTY TYPE: CONTINUOUS; COIL VOLTAGE: 24 VDC; SUPPL P/N: 3BHB006872P0001; AZM170 DOOR SAFETY LOCK	22		
636166	KIT: TYPE: SOLENOID VALVE; APPLICATION: WLB 100 WATER CANNON; COMPRISING: O-RINGS; SEALING RINGS; SEAT; SPINDLE; SPRINGS; MANUF P/N: 004.1138; REFERENCE NO: 0HCC 21/22/31/32/41/42/51/52 AT001; 123878	8		

648744	SOLENOID: TYPE: ACTUATOR ELECTRIC; COIL VOLTAGE: 230 VAC; 24 VDC; REFERENCE NO: MN1H-5/2-D-1-C; PART NO: 159688; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
653266	VALVE, SOLENOID: APPLICATION: AUXILIARY BOILER 1 BURNER 1 LOW PRESSURE GAS SUPPLY; PART NO: SP-KUS-F2-05442; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
653267	VALVE, SOLENOID: APPLICATION: AUXILIARY BOILER 1 BURNER 1 LOW PRESSURE GAS SUPPLY; PART NO: SP-KUS-F2-05443; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		

655696	VALVE, SOLENOID: PIPE SIZE: 1/4 NPT IN; STYLE: 1 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 10.34 BAR; CONNECTION: M20; BODY MATERIAL: BLACK ANODIZED AL; OPERATED: PNEUMATIC; ENCLOSURE RATING: IP65; MEDIUM: AIR; APPLICATION: WTP; TYPE: NAMUR; 5/2; SINGLE COIL; AIR CONNECTION: 1/4 IN NPT; PART NO: SC8551A001MS.24DC; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
655697	VALVE, SOLENOID: PIPE SIZE: 1/4 NPT IN; STYLE: 2 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 10.34 BAR; CONNECTION: M20; BODY MATERIAL: BLACK ANODIZED AL; OPERATED: PNEUMATIC; ENCLOSURE RATING: IP65; MEDIUM: AIR; APPLICATION: WTP; PART NO: SC8551A002MS.24DC; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
655966	SOLENOID: PART NO: SP-KUS-F2-05404; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

659021	<p>VALVE, SOLENOID: PIPE SIZE: 1/2 IN; STYLE: 2 WAY; LEFT ASSISTED; POTENTIAL: 24 VDC; DESIGN RATING: 25 BAR; CONNECTION: G1/2 IN-BSPP; BODY MATERIAL: SS; OPERATED: DIRECT ACTING; ENCLOSURE RATING: IP65; MEDIUM: GAS/LIQUID; COIL: B7; WINDING WIRING CLASS: H 180DEG C; ISOLATION CLASS: F 155DEG C; SEAL MATERIAL: BUNA NBR; PART NO: L39I-12FOP-APH; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		
659022	<p>VALVE, SOLENOID: PIPE SIZE: 3/4 IN; STYLE: 2 WAY; LEFT ASSISTED; POTENTIAL: 24 VDC; DESIGN RATING: 25 BAR; CONNECTION: 3/4 IN; BODY MATERIAL: SS; OPERATED: DIRECT ACTING; ENCLOSURE RATING: IP65; MEDIUM: GAS/LIQUID; COIL: B7; WINDING WIRING CLASS: H 180DEG C; ISOLATION CLASS: F 155DEG C; SEAL MATERIAL: BUNA NBR; PART NO: L39I-18HOP-H; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		

659023	VALVE, SOLENOID: PIPE SIZE: G1/4 IN; STYLE: 3/2 NC-5/2 SPOOL; POTENTIAL: 24 VDC; DESIGN RATING: 10 BAR; CONNECTION: 11 M; BODY MATERIAL: BLACK ANODIZED AL; OPERATED: PILOT AIR/RETURN SPRING; ENCLOSURE RATING: IP65; MEDIUM: FLUIDS; ORIFICE SIZE: 6 MM; SPECIFICATION: EN175301-803; PART NO: SCG551A002-MS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
659024	VALVE, SOLENOID: PIPE SIZE: G1/4 IN; STYLE: 2 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 10 BAR; CONNECTION: 11 MM; BODY MATERIAL: BLACK ANODIZED AL; OPERATED: PILOT AIR/RETURN SPRING; ENCLOSURE RATING: IP65; MEDIUM: FLUIDS; ORIFICE SIZE: 6 MM; SPECIFICATION: EN175301-803; PART NO: SCG551A001-MS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

659025	VALVE, SOLENOID: PIPE SIZE: 1/2 IN; STYLE: 2/2 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 16 BAR; CONNECTION: G1/2 IN-BSPP; BODY MATERIAL: BRS DIN EN 50930-6; OPERATED: AIR; ENCLOSURE RATING: IP65; MEDIUM: FLUIDS; PART NO: 6281-221989; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
659026	VALVE, SOLENOID: PIPE SIZE: G1-1/2 IN; STYLE: 2/2 WAY NC; POTENTIAL: 24 VDC; DESIGN RATING: 16 BAR; CONNECTION: M20; BODY MATERIAL: SS 316 AISI; OPERATED: DIRECT ACTING; ENCLOSURE RATING: IP65; MEDIUM: FLUIDS; PART NO: 21IH8K1V400; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
659027	VALVE, SOLENOID: PIPE SIZE: G1 IN; STYLE: 2/2 WAY NC; POTENTIAL: 24 VDC; DESIGN RATING: 16 BAR; CONNECTION: M20; BODY MATERIAL: SS 316 AISI; OPERATED: DIRECT ACTING; ENCLOSURE RATING: IP65; MEDIUM: FLUIDS; PART NO: 21IH6K1V250; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

659028	VALVE, SOLENOID: PIPE SIZE: 1/4 IN; STYLE: 1 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 1-3 BAR; CONNECTION: BSP 1/4 IN; BODY MATERIAL: BRS; OPERATED: AIR; ENCLOSURE RATING: IP65; MEDIUM: FLUIDS; PART NO: GEMB33; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
659102	SOLENOID, ELECTRICAL: DUTY TYPE: COIL; COIL VOLTAGE: 24 V; PROTECTION: IP65; ELECTRIC CONNECTION: PLUG VANES FOR MSSD-F 3PIN; MOUNTING: WITH KNURLED NUT; MATERIAL WINDING: COPPER; SERIAL NO: MSFG-24/42-50/60-OD; PART NO: 34411; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

659105	VALVE, SOLENOID: PIPE SIZE: 8 MM; STYLE: 5/2 WAY; BISTABLE; POTENTIAL: 24 V; DESIGN RATING: 10 BAR; CONNECTION: G1/4 IN; BODY MATERIAL: DIE-CAST AL; POLYACETARE; OPERATED: ELECTRIC; ENCLOSURE RATING: IP65; MEDIUM: AIR; APPLICATION: PJFFP; SPECIFICATION: ISO 5599-1; ELECTRICAL CONNECTION: VIA F COIL; SERIAL NO: JMFH-5/2-D-1-C; PART NO: 150980; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
659107	VALVE, SOLENOID: PIPE SIZE: 8 MM; STYLE: 5/2 WAY; MONOSTABLE; POTENTIAL: 24 V; DESIGN RATING: 10 BAR; CONNECTION: G1/4 IN; BODY MATERIAL: DIE-CAST AL; POLYACETARE; OPERATED: ELECTRIC; ENCLOSURE RATING: IP65; MEDIUM: AIR; APPLICATION: PJFFP; SPECIFICATION: ISO 5599-1; ELECTRICAL CONNECTION: VIA F COIL; SERIAL NO: MFH-5/2-D-1-C; PART NO: 150981; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

660157	SOLENOID, ELECTRICAL: DUTY TYPE: BLOW BACK; COIL VOLTAGE: 24 VAC; MODEL NO: 123060; PART NO: MSN1G-24V; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
672701	SOLENOID, ELECTRICAL: DUTY TYPE: OPERATING; COIL VOLTAGE: 24 VDC; PART NO: 00552283; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
674258	PLUG, VALVE: VALVE STYLE: SOLENOID; VALVE SIZE: DN 25; MATERIAL: STL; COMPLETE UNIT OF AUXILIARY BOILER; SWITCH TYPE: S870W1G4R; VOLTAGE: 120-230VAC; SWITCH TYPE: UNI 4-EVSA 10NH-4.P.02.32.64; MODEL NO: AR028211; PART NO: 709084-GDA3YVL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
659048	POSITIONER, VALVE: TYPE: ELECTROPNEUMATIC; SUPPLY PRESSURE: 1.4-7 BAR; INPUT: 24 VDC; SUPPL P/N: 6A-6DR5020-ONG01-5KA0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

659050	POSITIONER, VALVE: TYPE: ELECTROPNEUMATIC; SUPPLY PRESSURE: 0.4-1.2 BAR; INPUT: 4-20 MA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
662112	POSITIONER, VALVE: TYPE: ELECTRO-PNEUMATIC; SUPPLY PRESSURE: 1.4-7 BAR; INPUT: 4-20 MA; DRAWINGS; DATA SHEET AND MANUAL TO BE PROVIDED ON EVERY DELIVERY; SPECIFICATION: 6A6DR5010; SERIAL NO: N1F1027530549; PART NO: 6A-6DR5010-ONG0-5KA0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
662113	POSITIONER, VALVE: TYPE: ELECTRO-PNEUMATIC; SUPPLY PRESSURE: 7 BAR; INPUT: 4-20 MA; DRAWINGS; DATA SHEET; MANUALS TO BE SUPPLIED ON EVERY DELIVERY; MODEL NO: MP512E; SERIAL NO: 27764; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

665091	POSITIONER, VALVE: TYPE: GLOBE HD200-40; SUPPLY PRESSURE: 2917 BAR; INPUT: 4-20 MA; TEMP: 491DEG C; VALVE SPEC: TYPE: 202LM63-2; OPERATED: ACTUATOR; MATERIAL: 1.4903; SIZE: DN40; DRAWING NO: 164657; REFERENCE NO: B114109-01-99-GM03-00010; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
665917	POSITIONER, VALVE: TYPE: PNEUMATIC; SUPPLY PRESSURE: 5 BAR G; INPUT: 4-20 MA; SIPART PS2 HART 1/4"; SPECIFICATION: 102102AT-01-102102AT-04; PART NO: 55028; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
665918	POSITIONER, VALVE: TYPE: PNEUMATIC; SUPPLY PRESSURE: 3.5 BAR G; INPUT: 0-20 MA; SIPART PS2 HART 1/4"; SPECIFICATION: 877101-877102; PART NO: 6201000122; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
646275	VALVE, SOLENOID: PART NO: 9711205.0763.024.00; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

646274	VALVE, SOLENOID: PART NO: 9713235.0763/24VDC; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
646195	VALVE, SOLENOID: SUPPL P/N: 9710235.0763/24VDC	22		
659015	VALVE, GLOBE: VALVE SIZE: 100 MM; DESIGN PRESSURE: 14 BAR; DESIGN TEMPERATURE: 42 DEG C; FACE TO FACE LENGTH: 292 MM; OPERATED: AUTOMATIC; CONNECTION: FLANGE EN1092 PN16 RF; BODY MATERIAL: A216 WBC + 13CR; TRIM: DISC A05 + 13CR; STEM A182 F6; BOLT A193 B7; NUT A194 2H; SOFTGOODS: GASKET SS + FLEXIBLE GRAPHITE; PACKING: FLEXIBLE GRAPHITE; DRAWINGS; DATASHEET AND MANUAL TO BE PROVIDED ON EVERY DELIVERY; DRAWING NO: 0.90/45768; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

659020	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 300 MM; DESIGN RATING: 14 BAR; TEMPERATURE RATING: 42 DEG C; CONNECTION: FLANGE SANS1123 PN16 FF; BODY MATERIAL: CAST IRON; FACE TO FACE LENGTH: 699 MM; OPERATED: WATER; STYLE: BOLTED COVER; TRIM: COVER ASTM A216 GR B; DISC ASTM A216 GR B; BODY SEAT RINGS CS 1020 + TP410; HINGE ASTM A479 TP410; SOFTGOODS: GASKET SOFT STEEL; APPLICATION: RAW WATER; GRADE: B; DATASHEET AND MANUAL TO BE PROVIDED ON EVERY DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
--------	---	----	--	--

659019	<p>VALVE, CHECK: TYPE: SWING; VALVE SIZE: 250 MM; DESIGN RATING: 10 BAR; TEMPERATURE RATING: 42 DEG C; CONNECTION: FLANGE SANS1123 PN16 FF; BODY MATERIAL: CAST IRON; FACE TO FACE LENGTH: 622 MM; OPERATED: WATER; STYLE: BOLTED COVER; TRIM: COVER ASTM A216 GR B; DISC ASTM A216 GR B; BODY SEAT RINGS CS 1020 + TP410; HINGE ASTM A479 TP410; SOFTGOODS: GASKET SOFT STEEL; APPLICATION: RAW WATER; GRADE: B; DATASHEET AND MANUAL TO BE PROVIDED ON EVERY DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		
669855	<p>KIT, VALVE REPAIR: TYPE: PNEUMATIC ACTUATOR; APPLICATION: NORMAL DRAIN CONTROL VALVE HPH 6A/B; COMPRISING: 8 X PREFORMED PACKING RINGS-KEVLAR WITH PTFE PART B006; 1 X PREFORMED BODY GASKET- AISI 316L WITH GRAPHITE FILLER PART B010; 1 X PREFORMED SEAL RING-ASTM A439 TYD3 PART B011; 1 X PREFORMED SEAT RING GASKET-AISI 316L WITH GRAPHITE FILLER PART B014; DRAWING NO: 88- 41415A/10"X3"X10" REV 0; SIZE: 6 X 3 X 6 IN; 72 BAR; DESIGN TEMP: 286 DEG C</p>	22		

669853	KIT, VALVE REPAIR: TYPE: PNEUMATIC ACTUATOR; APPLICATION: EMERGENCY DRAIN CONTROL VALVE HP 6A/B; COMPRISING: 8 X PREFORMED PACKING RINGS- KEVLAR WITH PTFE PART B006; 1 X PREFORMED BODY GASKET-AISI 316L WITH GRAPHITE FILLER PART B010; 1 X PREFORMED SEAL RING- ASTM A439 TYD3 PART B011; 1 X PREFORMED SEAT RING GASKET-AISI 316L WITH GRAPHITE FILLER PART B014; DRAWING NO: 88-41415/14"X4"X14" REV 0; SIZE: 8 X 4 X 8 IN; 72 BAR; DESIGN TEMP: 286DEG C	22		
666666	VALVE, GLOBE: VALVE SIZE: 300 X 250 MM; DESIGN PRESSURE: 32 BAR; DESIGN TEMPERATURE: 30 DEG C; FACE TO FACE LENGTH: 210 MM; OPERATED: ACTUATOR PNEUMATIC; CONNECTION: FLANGE; BODY MATERIAL: A26; TRIM: LODB 2STAGE; LINEAR; SEAT RING 410ST ST; STEM A638 GR660; GUIDE 440C; GRADE: WCC; SOFTGOODS: SEAT RING GASKETS ST ST 316L WITH GRAPHITE FILLER; PACKING GRAPHITE PRE-FORMED; ACTUATOR TO VALVE GASKET NITRILE; SYNTHETIC FIBRES; APPLICATION: AUXILIARY STEAM TO FEED WATER TANK CONROL VALVE; TYPE: RECIPROCATING; DESIGN RATING: CLASS 300; SERIAL NO: 21-00235-01; PART NO: 38-41495; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

669556	<p>KIT, VALVE REPAIR: TYPE: GLOBE RECIRCULATING; APPLICATION: AUXILIARY STEAM TO FEED TANK CONTROL VALVES LBG32AA001; COMPRISING: 1 X B010 BODY GASKET: 316 ST W/GRAPHITE FILLER; 1 X B014 SEAT RING GASKET: ST ST W/GRAPHITE FILLER; 4 X B006 PREFORMED PACKING RINGS: LATTYGRAPH E1 GRAPHITE; 2 X B080 PREFORMED RINGS: LATTYGRAPH F6940 GRAPHITE; 1 X B011 SEAL RING: ASTM A439 TYD3; DRAWING NO: 10"X10"X20" REV 0; REFERENCE NO: 38- 41495; DESIGN PRESSURE: 31 BAR; DESIGN TEMP: 350 DEG C</p>	22		
669854	<p>KIT, VALVE REPAIR: TYPE: PNEUMATIC ACTUATOR; APPLICATION: NORMAL DRAIN CONTROL VALVE HPH 5A/B; COMPRISING: 8 X PREFORMED PACKING RINGS-KEVLAR WITH PTFE PART B006; 1 X PREFORMED BODY GASKET- AISI 316L WITH GRAPHITE FILLER PART B010; 1 X PREFORMED SEAL RING-ASTM A439 TYD3 PART B011; 1 X PREFORMED SEAT RING GASKET-AISI 316L WITH GRAPHITE FILLER PART B014; DRAWING NO: 88- 41415/12"X3"X12" REV 0; SIZE: 6 X 5 X 6 IN; 37 BAR; DESIGN TEMP: 254 DEG C</p>	22		

667903	<p>ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 476 MM; PRESSURE RATING: 1.4-3.10 BAR G; TRAVEL: 1.5 IN; OPERATED: AIR TO OPEN; DRAWING NO: 88-41415A REV 0; REFERENCE NO: 21.00235; SIDE MOUNTED HAND WHEEL; SPRING DIAPHRAGM: SIZE 16VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		
635086	<p>VALVE, GATE: VALVE SIZE: 450 MM; TYPE: ISOLATING; DESIGN PRESSURE: 16 BAR; DESIGN TEMPERATURE: 105 DEG C; CONNECTION: BW; FACE TO FACE LENGTH: 914.5 MM; BODY MATERIAL: STL A216 GR WCB; TRIM: SS; OPERATED: ELECTRIC MOTOR; TEMPERATURE RATING: 121 DEG C; DESIGN RATING: 3000 KPA; REFERENCE NO: LCA60AA101; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>	22		

694062	VALVE, GLOBE: VALVE SIZE: 4 IN; DESIGN PRESSURE: 30 BAR G; DESIGN TEMPERATURE: 105 DEG C; FACE TO FACE LENGTH: 355.6 MM; OPERATED: MOTORIZED; CONNECTION: BW; BODY MATERIAL: A351CF3; TRIM: A351CF3; APPLICATION: WATER; SNRI-MALBRANQUE; 3.1 MATERIAL CERTIFICATES AND PRESSURE TEST CERTIFICATE REQUIRED ON EVERY DELIVERY; REFERENCE NO: M26-026-100; PART NO: 3197-77; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
636474	GASKET SET: TYPE: VALVE ACTUATOR; APPLICATION: MAIN CONDENSATE CIRCUIT FILLING ISOLATING GLOBE VALVE ACTUATOR; REFERENCE NO: M26-026-100; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
642125	KIT, VALVE REPAIR: TYPE: GLOBE RECIPROCATING VALVE 18 X 16 X 18 IN CL 300; APPLICATION: CONDENSATE WATER MINIMUM FLOW CONTROL VALVE; COMPRISING: BACK UP RING; BODY GASKET; CAGE GASKET; DIAPHRAGM; GASKET SET; O-RING; PACKING; SEAT RING GASKET; MODEL NO: 68-41335; SUPPL P/N: 16M.M10-EA-021	22		

642123	KIT, VALVE REPAIR: TYPE: ELECTRIC MOTORIZED BUTTERFLY VALVE 26 IN; CL 150; APPLICATION: STEAM TURBINE EXTRACTION ISOLATING VALVE; COMPRISING: ACTUATOR GASKET SET; BODY GASKET; COMPLETE PACKING RINGS; SUPPL P/N: 16M.M45-EA-012	22		
642126	KIT, VALVE REPAIR: TYPE: ANGLE RECIPROCATING VALVE 12 X 8 X 12 IN; CL 150; APPLICATION: LP HEATER 1 NORMAL DRAIN LEVEL CONTROL VALVE; COMPRISING: BACK UP RING; BODY GASKET; CAGE GASKET; DIAPHRAGM; GASKET SET; O- RING; PACKING; SEAT RING GASKET; MODEL NO: 87- 41315A; SUPPL P/N: 16M.M10-EA-012	14		
640983	KIT, VALVE REPAIR: TYPE: RECIPROCATING GLOBE VALVE 12 X 6 X 12 IN; APPLICATION: 10LCJ21AA001 LP HEATER 2 DRAIN RECOVERY TANK EMERGENCY DRAIN CONTROL VALVE; SPECIFICATION: 21.00235/37/38/39/21.0040; COMPRISING: BODY GASKET; CAGE GASKET; DIAPHRAGM STEM WIPER; GASKET SET; O- RING SETS; PACKING; RETAINING RING; SEAL RING; SEAT RING; SEAT RING GASKET; TEC; MODEL NO: 87- 21114-CL300	14		

640987	KIT, VALVE REPAIR: TYPE: RECIPROCATING GLOBE VALVE 8 X 6 X 8 IN; APPLICATION: 10LCJ22AA001 LP HEATER 2 DRAIN COVER TANK LEVEL CONTROL VALVE; SPECIFICATION: 21.00235/37/38/39/21.0040; COMPRISING: BODY GASKET; CAGE GASKET; DIAPHRAGM STEM WIPER; GASKET SET; O- RING SETS; PACKING; RETAINING RING; SEAL RING; SEAT RING; SEAT RING GASKET; TEC; MODEL NO: 88- 41395-CL150	14		
640985	KIT, VALVE REPAIR: TYPE: RECIPROCATING GLOBE VALVE 8 X 4 X 8 IN; APPLICATION: 10LCJ31AA001 LP HEATER 3 NORMAL DRAIN CONTROL VALVE; SPECIFICATION: 21.00235/37/38/39/21.0040; COMPRISING: BODY GASKET; CAGE GASKET; DIAPHRAGM STEM WIPER; GASKET SET; O- RING SETS; PACKING; RETAINING RING; SEAL RING; SEAT RING; SEAT RING GASKET; TEC; MODEL NO: 88- 41315-CL150	14		

640984	KIT, VALVE REPAIR: TYPE: RECIPROCATING GLOBE VALVE 10 X 6 X 10 IN; APPLICATION: 10LCJ32AA001 LP HEATER 3 DRAIN RECOVERY TANK EMERGENCY DRAIN CONTROL VALVE; SPECIFICATION: 21.00235/37/38/39/21.0040; COMPRISING: BODY GASKET; CAGE GASKET; DIAPHRAGM STEM WIPER; GASKET SET; O- RING SETS; PACKING; RETAINING RING; SEAL RING; SEAT RING; SEAT RING GASKET; TEC; MODEL NO: 87- 41315-CL150	14		
640986	KIT, VALVE REPAIR: TYPE: RECIPROCATING GLOBE VALVE 8 X 4 X 8 IN; APPLICATION: CONDENSATE SURPLUS CONTROL VALVE 10LCA40AA002; SPECIFICATION: 21.00235/37/38/39/21.0040; COMPRISING: BODY GASKET; CAGE GASKET; DIAPHRAGM STEM WIPER; GASKET SET; O- RING SETS; PACKING; RETAINING RING; SEAL RING; SEAT RING; SEAT RING GASKET; TEC; MODEL NO: 88- 41395-CL300	14		
661442	REGULATOR, FILTER: TYPE: AIR; BODY MATERIAL: AL ALLOY; INLET PRESSURE: 0-8 BAR; OUTLET PRESSURE: 0.5- 8.6 BAR; CONNECTION: G1/4 IN; MEDIA FOR WHICH DESIGNED: AIR; SERIES 55; PART NO: 551000-74605533; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	14		

661446	CONTROL ASSEMBLY: TYPE: 2/2 WAY BALL VALVE WITH PNEUMATIC ROTARY ACTUATOR; DIMENSIONS: DN25 MM; MATERIAL: PVDF; SULPHURIC ACID 98PCTVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	14		
661445	CONTROL ASSEMBLY: TYPE: 2/2 WAY BALL VALVE WITH PNEUMATIC ROTARY ACTUATOR; DIMENSIONS: DN40 MM; MATERIAL: PVDF; SPECIFICATION: 2658; SUPPL P/N: 976-034-79; SULPHURIC ACID 98PCT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	14		
659048	POSITIONER, VALVE: TYPE: ELECTROPNEUMATIC; SUPPLY PRESSURE: 1.4-7 BAR; INPUT: 24 VDC; SUPPL P/N: 6A- 6DR5020-ONG01-5KA0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		

662112	POSITIONER, VALVE: TYPE: ELECTRO-PNEUMATIC; SUPPLY PRESSURE: 1.4-7 BAR; INPUT: 4-20 MA; DRAWINGS; DATA SHEET AND MANUAL TO BE PROVIDED ON EVERY DELIVERY; SPECIFICATION: 6A6DR5010; SERIAL NO: N1F1027530549; PART NO: 6A-6DR5010-ONG0-5KA0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
655697	VALVE, SOLENOID: PIPE SIZE: 1/4 NPT IN; STYLE: 2 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 10.34 BAR; CONNECTION: M20; BODY MATERIAL: BLACK ANODIZED AL; OPERATED: PNEUMATIC; ENCLOSURE RATING: IP65; MEDIUM: AIR; APPLICATION: WTP; PART NO: SC8551A002MS.24DC; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		

655696	VALVE, SOLENOID: PIPE SIZE: 1/4 NPT IN; STYLE: 1 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 10.34 BAR; CONNECTION: M20; BODY MATERIAL: BLACK ANODIZED AL; OPERATED: PNEUMATIC; ENCLOSURE RATING: IP65; MEDIUM: AIR; APPLICATION: WTP; TYPE: NAMUR; 5/2; SINGLE COIL; AIR CONNECTION: 1/4 IN NPT; PART NO: SC8551A001MS.24DC; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
637721	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 88 X HT 142 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 92-63; SUPPL P/N: 92-0630-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
659402	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 97 X LG 188 X HT 108 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; SUPPL P/N: 92-0830-11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

637718	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 140 X HT 308 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 92-119; SUPPL P/N: 92-1190-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637723	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 198 X HT 395 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 92-160; SUPPL P/N: 92-1600-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
659401	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 273 X LG 731 X HT 306 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: DOUBLE ACTING; DRAWING NO: BV-6 REV 0; SUPPL P/N: 92-2550-11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

659403	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 97 X LG 188 X HT 108 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; DRAWING NO: BV-8A REV 0; SUPPL P/N: 93-0832- 11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
659404	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 97 X LG 188 X HT 108 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: DOUBLE ACTING; SUPPL P/N: 93-0835- 11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637724	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 108 X HT 188 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; MODEL NO: 93-834; SUPPL P/N: 93-0834-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

637720	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 117 X HT 218 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; MODEL NO: 93-934; SUPPL P/N: 93-0934-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637722	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 140 X HT 302 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 93-1194; SUPPL P/N: 93-1194-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637719	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 161 X HT 313 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO CLOSE; DRAWING NO: BV-8 REV 0; MODEL NO: 93-1285; SUPPL P/N: 93-1285-11375-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

659399	ACTUATOR, PNEUMATIC: DIMENSIONS: WD 173 X LG 395 X HT 198 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO OPEN; DRAWING NO: BV-7 REV 0; SUPPL P/N: 93-1605-11350-532; ON EVERY DELIVERY PLEASE PROVIDE DRAWINGS; DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637726	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 258 X HT 497 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR TO OPEN; MODEL NO: 93-2104; SUPPL P/N: 93-2104-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		
637725	ACTUATOR, PNEUMATIC: DIMENSIONS: DIA 306 X HT 731 MM; PRESSURE RATING: 10 BAR; TRAVEL: 0-90 DEG; OPERATED: AIR OPEN/CLOSE; MODEL NO: 93-2554; SUPPL P/N: 93-2554-11350-532; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	1		

625732	VALVE, GLOBE: VALVE SIZE: 80 MM; DESIGN PRESSURE: 11 BAR; DESIGN TEMPERATURE: 42 DEG C; FACE TO FACE LENGTH: 310 MM; OPERATED: MOTOR; CONNECTION: FLANGE SANS 1123; BODY MATERIAL: CS; TRIM: BONNET STL CAST GR WCC ASTM A216; CAGE/GUIDE SS CB7CU-1; DISC/SEAT SS GR 416; STEM SS GR 316; SOFTGOODS: PACKING PTFE ENVIROSEAL; APPLICATION: MILL REJECT/SSC MAKE UP WATER PUMPS RECIRCULATING ELECTRICAL VALVE; SPECIFICATION: 203-12589; PN16 RAISED FACED FLANGE; DRAWING NO: 0.90/83838; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

620153	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 50 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 100 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 43 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC ASTM A747 TYPE CB7CU EPDM; SEAT EPDM; STEM BUSHING BUNA-N; STEM SEAL ACETAL; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S20-328; STYLE: WAFER; DRAWING NO: BV-1A/BV-7A&BV-8A REV 0; SUPPL P/N: DN50/200200-110AT328/CF69; POSSIBLE SUPPLIER: BRAY ARMATUREN AND ANTRIEBE EUROPA	8		
--------	---	---	--	--

620154	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 65 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 100 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 46 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC ASTM A747 TYPE CB7CU EPDM; SEAT EPDM; STEM ACETAL; STEM BUSHING BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S20-328; STYLE: WAFER; POSSIBLE SUPPLIER: BRAY ARMATUREN AND ANTRIEBE EUROPA; DRAWING NO: BV-1A&BV-7A; PART NO: DN65/200250-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

621109	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 80 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 100 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 46 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC ASTM A747 TYPE CB7CU EPDM; SEAT EPDM; STEM ACETAL; STEM BUSHING BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S20-328; STYLE: WAFER; DRAWING NO: BV-1A/BV-6A/BV-7A; PART NO: 200300-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

620152	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 80 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 100 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 46 MM; OPERATED: MANUAL; TRIM: DISC ASTM A747 TYPE CB7CU EPDM; SEAT EPDM; STEM ACETAL; STEM BUSHING BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S21-328; STYLE: LUG; PART NO: DN80/210300-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

621111	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 80 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 46 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S30-324; STYLE: WAFER; DRAWING NO: BV-1/BV-6/BV-7/BV-8 REV 0; SUPPL P/N: 300300- 110AT324/CF69	8		
--------	---	---	--	--

621110	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 80 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 46 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S31-324; STYLE: LUG; DRAWING NO: BV-3; PART NO: 310300-110AT324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	---	---	--	--

621108	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 100 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 100 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 52 MM; OPERATED: MANUAL; TRIM: DISC ASTM A351 GR CF8M; SEAT EPDM; STEM ASTM A276 GR 316; STEM SEAL BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S20-328; STYLE: WAFER; DRAWING NO: BV-1A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	---	---	--	--

659838	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: DN100 MM; DESIGN RATING: 1000 KPA G; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: DUCTILE IRON; FACE TO FACE LENGTH: 52 MM; OPERATED: MANUAL; TRIM: DISC: SS 316 (PASSIVATING STL); STEM: SS 316; STEM BUSING: ACETAL; SPLIT RING: BRASS; THRUST WASHER: BRASS; RETAINING RING: ASTM SS304; SOFTGOODS: STEM SEAL: BUNA-N; APPLICATION: WTP; STYLE: WAFER; BRAY ARMATUREN AND ANTRIEBE EUROPA; DRAWING NO: S03-0400-2-S01-136712-10; PART NO: S03-31G; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

620151	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 100 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 52 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER TREATMENT PLANT; GRADE: 65-45-12; SPECIFICATION: S30- 324; STYLE: WAFER; DRAWING NO: BV-1/BV-6/BV-7&BV-8; PART NO: DN100/200400- 110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	---	---	--	--

621105	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 150 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 100 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 56 MM; OPERATED: MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S21-328; STYLE: LUG; DRAWING NO: BV-3A; PART NO: 210600-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

621107	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 150 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 56 MM; OPERATED: MANUAL; TRIM: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S31-324; STYLE: LUG; DRAWING NO: BV-3; PART NO: 310600-110AT324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

620163	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 200 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 100 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: DISC SS GR CF8M ASTM A351; SEAT EPDM; STEM BUSHING ACETAL; FACE TO FACE LENGTH: 60 MM; OPERATED: MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S20-328; STYLE: WAFER; PART NO: DN200/200800-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

621104	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 200 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 60 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S30-324; STYLE: WAFER; PART NO: 201000-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

621103	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 250 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 68 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S20-328; STYLE: WAFER; DRAWING NO: BV-6A; PART NO: 2012000-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	---	---	--	--

620156	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 250 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 68 MM; OPERATED: MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S21-328; STYLE: LUG; POSSIBLE SUPPLIER: BRAY ARMATUREN AND ANTRIEBE EUROPA; PART NO: DN250/211000-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

621102	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 250 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 68 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S30-324; STYLE: WAFER; PART NO: 301000-110AT324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

621100	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 300 MM; DESIGN RATING: 1000 KPA G; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 78 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC ASTM A747 TYPE CB7CU EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S20-328; STYLE: WAFER; PART NO: 201200-11AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	---	---	--	--

621101	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 300 MM; DESIGN RATING: 1000 KPA G; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 78 MM; OPERATED: MANUAL; TRIM: DISC ASTM A747 TYPE CB7CU EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: CHEMICAL; GRADE: 65-45-12; SPECIFICATION: S21-328; STYLE: LUG; PART NO: 211200-110AT328/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

620155	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 300 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A536 POLYESTER COATED; FACE TO FACE LENGTH: 78 MM; OPERATED: ACTUATOR PNEUMATIC, MANUAL; TRIM: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S30-324; STYLE: WAFER; PART NO: DN300/301200-110AT324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

620162	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 350 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; FACE TO FACE LENGTH: 78 MM; OPERATED: MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S30-324; STYLE: WAFER; PART NO: DN350/301400-110AT324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	---	---	--	--

620161	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 400 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; FACE TO FACE LENGTH: 102 MM; OPERATED: MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S30-324; STYLE: WAFER; PART NO: ND400/301600- 110AT324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

620160	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 450 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; FACE TO FACE LENGTH: 108 MM; OPERATED: MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S30-324; STYLE: WAFER; PART NO: DN450/301800-110AT324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

636525	VALVE, BUTTERFLY: TYPE: HIGH PERFORMANCE; VALVE SIZE: 500 MM; DESIGN RATING: 1000 KPA G; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A351 GR CF8M; FACE TO FACE LENGTH: 104 MM; OPERATED: MANUAL/PNEUMATIC; TRIM: DISC/GLAND RETAINER/SEAT RETAINER ASTM A351 GR CF8M; RETAINING RING/WASHER SS GR 18-8; SEAT RPTFE; STEM ASTM A564 TYPE 630; SOFTGOODS: STEM SEAL RING CARBON FIBER/PTFE; APPLICATION: WATER; SPECIFICATION: 41-2000; STYLE: LUG; DRAWING NO: BGY-000285; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	---	---	--	--

620159	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 500 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; FACE TO FACE LENGTH: 127 MM; OPERATED: MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S30-324; STYLE: WAFER; PART NO: DN500/302000- 110AT324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

636524	VALVE, BUTTERFLY: TYPE: HIGH PERFORMANCE; VALVE SIZE: 400 MM; DESIGN RATING: 400 KPA G; TEMPERATURE RATING: 50 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: ASTM A351 GR CF8M; FACE TO FACE LENGTH: 104 MM; OPERATED: MANUAL/PNEUMATIC; TRIM: DISC/GLAND RETAINER/SEAT RETAINER ASTM A351 GR CF8M; RETAINING RING/WASHER SS GR 18-8; SEAT RPTFE; STEM ASTM A564 TYPE 630; SOFTGOODS: STEM SEAL RING CARBON FIBER/PTFE; APPLICATION: WATER; SPECIFICATION: 41- 1600; STYLE: LUG; DRAWING NO: BGY-000284; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
--------	--	---	--	--

620158	VALVE, BUTTERFLY: TYPE: RESILIENT SEATED; VALVE SIZE: 600 MM; DESIGN RATING: 1000 KPA; TEMPERATURE RATING: 110 DEG C; CONNECTION: FLANGE ANSI 150; BODY MATERIAL: DISC SS GR CF8M ASTM A351; RETAINING RING SS GR 304; SEAT EPDM; STEM BUSHING ACETAL; STEM RETAINER BRS; STEM SS GR 316 ASTM A276; THRUST WASHER BRS; FACE TO FACE LENGTH: 151 MM; OPERATED: MANUAL; TRIM: DISC STEM ASTM A747 TYPE CB7CU-1/EPDM; SEAT EPDM; STEM BUSHING ACETAL; SOFTGOODS: STEM SEAL BUNA-N; APPLICATION: WATER; GRADE: 65-45-12; SPECIFICATION: S36-324; STYLE: FLANGED WAFER; PART NO: DN600/362400-11075324/CF69; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		
649052	VALVE, SOLENOID: PIPE SIZE: 3 IN; STYLE: 3 WAY; SPECIFICATION: 88-80385; SUPPL P/N: 15-40000-01	8		
649053	VALVE, SOLENOID: PIPE SIZE: 4 IN; STYLE: 3 WAY; SPECIFICATION: 88-80385; PART NO: 15-40000-02; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	8		

659024	VALVE, SOLENOID: PIPE SIZE: G1/4 IN; STYLE: 2 WAY; POTENTIAL: 24 VDC; DESIGN RATING: 10 BAR; CONNECTION: 11 MM; BODY MATERIAL: BLACK ANODIZED AL; OPERATED: PILOT AIR/RETURN SPRING; ENCLOSURE RATING: IP65; MEDIUM: FLUIDS; ORIFICE SIZE: 6 MM; SPECIFICATION: EN175301-803; PART NO: SCG551A001-MS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	22		
--------	--	----	--	--

The total of the Prices

PART 3: SCOPE OF WORK

Document reference	Title	No of pages
	This cover page	1
C3.1	<i>Purchaser's</i> Goods Information	
C3.2	<i>Supplier's</i> Goods Information	
	Total number of pages	

C3.1: *PURCHASER'S* GOODS INFORMATION

Contents

Part 3: Scope of Work 78

C3.1: *Purchaser's* Goods Information 79

1	Overview and purpose of the <i>goods</i> and <i>services</i>	80
2	Specification and description of the <i>goods</i>	80
2.1	<i>Purchaser's</i> design	80
2.2	Procedure for submission and acceptance of <i>Supplier's</i> design	80
2.3	Other requirements of the <i>Supplier's</i> design	80
2.4	Use of <i>Supplier's</i> design	80
2.5	Manufacture & fabrication	81
2.6	Factory acceptance testing (FAT)	81
2.7	Other tests and inspections and commissioning in place of use	81
2.8	Operating manuals and maintenance schedules	81
3	Supply Requirements	81
4	Specification of the <i>services</i> to be provided	81
5	Constraints on how the <i>Supplier</i> Provides the Goods	81
5.1	Programming constraints	81
5.2	Work to be done by the Delivery Date	81
5.3	Marking the <i>goods</i>	81
5.4	Constraints at the delivery place and place of use	81
5.5	Cooperating with Others	81
5.6	Services & other things to be provided by the <i>Purchaser</i> or <i>Supplier</i>	81
5.7	Management meetings	82
5.8	Documentation control	82
5.9	Health and safety risk management	82
5.10	Environmental constraints and management	82
5.11	Quality	83
5.12	Invoicing and payment	83
5.13	Insurance provided by the <i>Purchaser</i>	84
5.14	Contract change management	84
5.15	Provision of bonds and guarantees	84
5.16	Records of Defined Cost, payments & assessments of compensation events to be kept by the <i>Supplier</i>	84
6	Procurement	85
6.1	Subcontracting	85
6.1.1	Preferred subcontractors	85
6.1.2	Limitations on subcontracting	85
6.1.3	Spares and consumables	85
6.1.4	Other requirements related to procurement	85
6.1.5	Cataloguing requirements	85
7	List of drawings	85
7.1	Drawings issued by the <i>Purchaser</i>	85
C3.2	<i>Supplier's</i> Goods Information	lxxxvi

Overview and purpose of the *goods and services*

Kusile Power Station Supply & Delivery of Conveyor Belt Control Spares Procurement and Service As and When Required

Specification and description of the *goods*

1. Introduction

Introduction

Kusile Power Station Materials Management intends to establish a partnership with a suitably qualified, experienced and well established *Contractor* for the Supply & Delivery of Pneumatic Actuators in operating units, associated BOP. This document describes the details of the requirements, standards, scope of work and the terms and conditions of the maintenance partnership.

Supporting Clauses

Scope

The scope of work (SOW) specifies the required spares to be supplied by the Supplier on an as and when required basis and conditions for acceptance. The scope included here does not substitute procurement procedures that will be followed during the procurement process.

Purpose

The purpose of this document is to provide scope of work and technical information for the purchase of Supply, Delivery of Pneumatic Actuators which Kusile Power Station is procuring, are correct.

Supply and Delivery of Pneumatic Actuators Spares

All actuators and accessories delivered must be complete actuators, ready for installation. Actuators must meet the specifications of Kusile Power Station Pneumatic actuators. All deliveries must only occur after the receipt of an official order. All actuators must be Quality Checked by an approved QC nominee from the End-User list of spares inspectors. No actuator spare or accessory shall be accepted without prior inspection and specification verification. All costs prior to delivery associated with complete spare shall be handled by the supplier concerned.

Purchaser's design

TBC

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

TBC

Other requirements of the *Supplier's design*

TBC

Use of *Supplier's design*

TBC

Manufacture & fabrication

TBC

Factory acceptance testing (FAT)

TBC

Other tests and inspections and commissioning in place of use

TBC

Operating manuals and maintenance schedules

Supplier to provide all operating manuals and maintenance schedules for the items procured from them.

Supply Requirements

TBC

Specification of the *services* to be provided

TBC

Constraints on how the *Supplier* Provides the Goods

Programming constraints

As per order

Work to be done by the Delivery Date

Supply and Delivery of spares as per task order

Marking the *goods*

Items to be properly market and packed

Constraints at the delivery place and place of use

Deliveries will only be accepted during the following working hours:

Monday to Thursday = 07:00 to 15:00

Friday = 07:00 to 11:00

Kindly contact the following person when deliveries are made:

Senior Store Person – TBC

Senior Warehouse Supervisor - Tarries Spangenberg: 073 065 8367

Cooperating with Others

TBC

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

Stores need to be informed of the delivery, in order to arrange for the offloading of the goods

Management meetings

TBC

The *conditions of contract* (e.g. Clause 16.2) require and other sections of the Goods Information (e.g. safety risk management) may require (mandate) that a meeting shall be held. However the intention of all NEC contracts is that the Parties and their agents use the techniques of partnering to manage the contract by holding meetings designed to pro actively and jointly manage the administration of the contract with the objective of minimising the adverse effects of risks and surprises for both Parties.

Depending on the complexity of the *goods*, it is probably beneficial for the *Supply Manager* to hold a regular risk register meeting (Clause 16.2). This could be used to discuss safety, compensation events, subcontracting, overall co-ordination and other matters of a general nature. Separate meetings for specialist activities such as programming, engineering and design management, may also be warranted.

Describe here the general meetings and their purpose. Provide particulars of approximate times, days, location, and attendance requirements, stipulating that attendees shall have the necessary delegated authority to make decisions in respect of matters raised at such meetings.

The right to hold specialist meetings should be stated generically and in such a way that ambiguity with other parts of the Goods Information is avoided.

The following text could be used as a model for this section:

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 register and compensation events	Weekly on _____ at _____		
Overall contract progress and feedback	Monthly on _____ at _____		<i>Purchaser, Supplier, and _____</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.

Documentation control

All delivery documentation will be kept by Materials Management (Receiving Section) and be filed on the central cabinet according their numerical order numbers

Health and safety risk management

The *Supplier* shall comply with the health and safety requirements of the *Purchaser*.

Environmental constraints and management

The *Supplier* shall comply with the environmental criteria and constraints required by the *Purchaser*.

Quality

The *Supplier* shall comply with the quality assurance requirements from the *Purchaser*. The supplier will provide a complete Quality Plan in accordance with the requirements of QM-58 (Supplier Contract Quality Requirements Specification).

Invoicing and payment

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

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

- Name and address of the *Supplier* and the *Supply Manager*;
 - The contract number and title;
 - *Supplier's* VAT registration number;
 - The *Purchaser's* VAT registration number.
 - Description of *goods* and *services* provided for each item invoiced based on the Price Schedule;
 - Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
 - (add other as required)
-
- A full proper description of the goods and/or services supplied.
 - *The quantity or volume of goods or services supplied.
 - *These two requirements do not apply where the consideration (VAT inclusive amount) is less than R3 000,00.
-
- All Electronic invoices must be sent in PDF format only.
 - Each PDF file should contain one invoice; or one debit note; or one credit note only as Eskom's SAP system does not support more than one PDF being linked into workflow at a time.
 - Your E-mail may contain more than one PDF file (e.g. 2 invoices on 2 separate PDF files in one e-mail)
 - With effect from 16 November 2014, send all invoices in PDF straight from your system to an Eskom email address (see email addresses below)
-
- For Foreign invoices, suppliers will still be required to physically deliver hard copies of original documents to the respective documentation management centres even though you have e-mailed those invoices (**Eskom is still seeking clarity from the South African Reserve Bank regarding e-invoicing for Foreign Invoices or invoices in foreign currency. Current requirements are that these manual invoices should still be submitted. You can send the invoice copy to the email addresses indicated below).**
-
- Tax Requirement
 - A PDF file that was **created directly from a system** meets the definition of **original document** and is allowed (including saving documents from excel to PDF, word to PDF etc.)
 - An Invoice that was **printed and then scanned to PDF** by the Vendor is **not acceptable** as this is not an original tax invoice by SARS definition but a copy.
 - The following wording needs to appear on the invoice: **"Your invoice is encrypted in order to comply with SARS requirements that invoices and statements sent electronically are tamperproof."**

- If there is Cost Price Adjustment (CPA) on your invoice we recommend that you issue a separate invoice for CPA so that if there are any issues on the CPA the rest of the invoice can be paid while resolving the CPA issues.
- Introduction of electronic invoicing does not guarantee payment but will ensure visibility of all invoices and ensure that no invoices get lost. If the goods receipt is not done the invoice will be parked and the system will automatically send an e-mail to the end user to do the goods receipt. This is also tracked by Eskom through the park invoice report.
- Your company can request a park invoice report from the Finance Shared Services (FSS) contact centre which can then be followed up and corrected. You are welcome to forward the details of invoices corrected to the FSS contact centre.
- Email addresses for invoice submission:

Local Eskom invoices: invoiceseskomlocal@eskom.co.za

Foreign Eskom invoices: invoiceseskomforeign@eskom.co.za

If your Invoice is not submitted immediately after you have delivered goods or rendered a service, it might happen that you will only get paid within 90 days after receipt of your Invoice without Eskom paying any interest on late payment

Refer to Station Specific information Item 22.13.

- **You do not require a goods receipt (GR) number to submit your invoices. When the GR number is received you can then send the GR number to the FSS contact centre**
- All queries and follow up on invoice payments should be made by contacting the FSS Contact Centre:
 - Tel: 011 800 5060
 - e-mail: fss@eskom.co.za

PLEASE NOTE

- That if your Invoice Amount is different than our Order value, it will delay payment. It is important that the line numbers, as per the Order reflect on your Delivery Note and Invoice. It is strongly recommended that if there are any discrepancies on the Invoice, it must be sorted out with the Buyer BEFORE it is submitted for payment.
- No invoice will be submitted to any Eskom Warehouse personnel. Only in cases where invoices are used as a delivery note

VALUE ADDED TAX:

VAT is applicable to this order and "TAX INVOICES" in compliance with the Value A

Insurance provided by the *Purchaser*

TBC

Contract change management

Any major Scope change or amendments will be dealt with as per section 6 of the contract core clauses.

Provision of bonds and guarantees

TBC

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

TBC

Procurement

Subcontracting

Preferred subcontractors

TBC

Limitations on subcontracting

TBC

Spares and consumables

N/A

Other requirements related to procurement

TBC

Cataloguing requirements by the *Supplier*

Where applicable Material numbers need to be clearly visible on item and invoice.

Data Capturing Forms are part of the returnables at completion of spares manufacturing.

List of drawings

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.

Drawing number	Revision	Title

C3.2 *SUPPLIER'S* GOODS INFORMATION

As per price list
