



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 FIELD CONTROL
INSTRUMENTATION 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 Field Control Instrumentation 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 *conditions of contract* are the core clauses and the clauses for Options

X1: Price adjustment for inflation

X2: Changes in the law

X7: Delay damages

Z: Additional conditions of contract

of the NEC3 Supply Contract (April 2013) 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 and Delivery of Conveyor Belt Control Spares
11.2(13)	The <i>services</i> are	Supply and Delivery of Field Control Instrumentation 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
13.1	The <i>language of this contract</i> is	English

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

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	R[•] [This is a commercial decision, but consider using at least

the excluded matters, is limited to

the total of the Prices. Delete this note after inserting the Rand amount]

88.5 The *end of liability date* is

1 year after Delivery of the whole of the goods and services.

9 Termination and dispute resolution

94.1 The *Adjudicator* 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 *Adjudicator nominating body* 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 *tribunal* is:

arbitration

94.4(5) The *arbitration procedure* 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 *base date* 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 Price Adjustment Factor are:

proportion	linked to index for	Index prepared by
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	0.5% of full cost for 10days of delay of purchase order value up to maximum of 10% of total value.	
Z	The additional conditions of contract are			
	Z1 to Z15 always apply for Eskom			

Z1 Cession delegation and assignment

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

Z2 Joint ventures

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

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

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

Z4 Confidentiality

- Z4.1 The *Supplier* does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Supplier*, enters the public domain or to information which was already in the possession of the *Supplier* at the time of disclosure (evidenced by written records in existence at that time). Should the *Supplier* disclose information to Others in terms of clause 23.1, the *Supplier* ensures that the provisions of this clause are complied with by the recipient.
- Z4.2 If the *Supplier* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Supply Manager*.
- Z4.3 In the event that the *Supplier* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Supplier*, to the extent permitted by law prior to

disclosure, notifies the *Purchaser* so that an appropriate protection order and/or any other action can be taken if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the *Supplier* may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.

Z4.4 The taking of images (whether photographs, video footage or otherwise) of the *goods* or any portion thereof, in the course of Providing the Goods and Services and after Delivery, requires the prior written consent of the *Supply Manager*. All rights in and to all such images vests exclusively in the *Purchaser*.

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

Z5 Waiver and estoppel: Add to core clause 12.3:

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

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

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

Without limitation the *Supplier*:

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

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

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

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

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

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

Z8 Notifying compensation events

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

Z9 Purchaser’s limitation of liability

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

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

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

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

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

Z12 Ethics

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

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

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

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

Z13 Insurance

Z 13.1 Replace core clause 84 with the following:

Insurance cover 84

- 84.1** When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this contract are in force.
- 84.2** The *Supplier* provides the insurances stated in the Insurance Table A for events which are at the *Supplier's* risk from the *starting date* until the last *defects date* or a termination certificate has been issued.

INSURANCE TABLE A

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

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

87

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

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

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 <i>Purchaser's</i> Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos

Containing Material, Equipment and Articles.

SANAS means the South African National Accreditation System.

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

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

Z15.2 Upon written request by the *Supplier*, the *Purchaser* certifies that these conditions prevail. All measurements and reporting are 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:

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

[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

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 <i>Supplier</i>	Title of document	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	
For international procurement	Licences, authorisations and other formalities associated with export of the <i>goods</i>	
	Air Waybill or Bill of Lading with associated landing, delivery and forwarding order	
	The Bill of Entry endorsed by the importation authority	
	Customs work sheets, showing tax, duties and surcharges which the law of the country into which the <i>goods</i> are being imported requires the importer to pay	
	Invoice from the importation clearing agent showing airline fees, landing charges, wharfage and dock dues as applicable	
	Specify other import documents required by authorised officials.	

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

C1.2 Contract Data

Part two - Data provided by the *Supplier*

[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 and 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 it's 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>.
		Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.

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

Function of the Price Schedule

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

Preparing the *price schedule*

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

It will be assumed that the tendering supplier has

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

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

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

Format of the *price schedule*

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

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

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

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

C2.2 the *price schedule*

As per pricelist attached.

Material	Long Text	Total Qnty	Unit Price	Total Price
0649049	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 8 MM; POTENTIAL: 10-36 VDC; CURRENT: 100 MA; CONTACT ARRANGEMENT: 1NO 1NC; DIMENSIONS: DIA 18 X LG 46 MM; CONNECTION: M12; APPLICATION: BLOWER; SUPPL P/N: IGC209			
0651942	SWITCH, PROXIMITY: TYPE: INDUCTIVE; APPLICATION: COAL BELT CONVEYOR LEVEL MILLING; SUPPL P/N: SP-KUS-F2- 05033			
0662937	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-15 MM; POTENTIAL: 10-30 V; CURRENT: 0.2 A; ACTION: SPDT; CONTACT ARRANGEMENT: 2NO 2NC; APPLICATION: LUFFING CYLINDER LHS STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-8.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0662938	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-30 MM; POTENTIAL: 10-30 V; CURRENT: 0.2 A; ACTION: SPDT; CONTACT ARRANGEMENT: 2NO 2NC; APPLICATION: LUFFING CYLINDER LHS STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-8.3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0662939	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 100 MM; POTENTIAL: 10-30 V; CURRENT: 0.2 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO; APPLICATION: LUFFING CYLINDER LHS STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-8.4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0663889	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 200 MM; POTENTIAL: 10-30 V; CURRENT: 0.2 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NC; APPLICATION: LUFFING CYLINDER LHS STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-8.5; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0663890	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-25 MM; POTENTIAL: 355 V; CURRENT: 0.2 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: LUFFING CYLINDER RHS STACKER HYDRAULIC SYSTEM0; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-9.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0663891	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 10-100 MM; POTENTIAL: 355 V; CURRENT: 0.2 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: LUFFING CYLINDER RHS STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-9.3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0663892	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-20 MM; POTENTIAL: 220 V; CURRENT: 2 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: LUFFING CYLINDER RHS STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-9.4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0663893	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-20 MM; POTENTIAL: 240 V; CURRENT: 4 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: LUFFING CYLINDER RHS STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-9.5; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0663918	SWITCH, PROXIMITY: TYPE: INDUCTIVE SENSOR; SENSING RANGE: 20 MM; POTENTIAL: 20-250 VDC; CURRENT: 2MA; 8A; ACTION: PNP; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 250 VDC; DIMENSIONS: DIA 40 X LG 114 MM; CONNECTION: THD; APPLICATION: COAL STACKER PIN; CLASSIFICATION: IP67; SPECIFICATION: DDBNH; REFERENCE NO: 281997; PART NO: LSI-Q40P-F20-CA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0664038	SWITCH, PROXIMITY: TYPE: INDUCTIVE LINEAR SENSOR; SENSING RANGE: 102 MM; POTENTIAL: 220-240 V; CURRENT: 10 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-68.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0664039	SWITCH, PROXIMITY: TYPE: INDUCTIVE LINEAR SENSOR; SENSING RANGE: 189-200 MM; POTENTIAL: 240 V; CURRENT: 6.4 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-67.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0664042	SWITCH, PROXIMITY: TYPE: INDUCTIVE LINEAR SENSOR; SENSING RANGE: 170 MM; POTENTIAL: 220 V; CURRENT: 6 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-66.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0664043	SWITCH, PROXIMITY: TYPE: INDUCTIVE LINEAR SENSOR; SENSING RANGE: 201 MM; POTENTIAL: 135 V; CURRENT: 7 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-65.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0250191	MODULE, POWER SUPPLY: TYPE: ISOLATION; INPUT: 0-20 MA; OUTPUT: 0-20 MA; APPLICATION: REPEATER; MANUF P/N: X1006390; SPECIFICATION: C.O.C; Q4:NFC:NC:0; MODEL NO: MINI MCR-SL-RPS-1-1; VOLTS: 19.2-30VDC RATING: 600MW, TEMP.RANGE: OPERATING:-20 TO +60 DEG C STORAGE:-40 TO +85 DEG C, DIMENSIONS: WD 6.2 MM X HT 93.1 MM X DP 102.5 MM			
0621443	CONTROLLER, ELECTRONIC: TYPE: UNIVERSAL PROCESS CONDUCTIVITY; POTENTIAL: 230 VAC; OUTPUT: 2 VAC; INPUT: 4-20 MA; CLASSIFICATION: NON HAZARDOUS; MOUNTING: DIN 43700; RANGE: 7-230 VAC; SPECIFICATION: KS90; REFERENCE NO: 147123; SUPPL P/N: 2661444			

0621441	CONTROLLER, ELECTRONIC: TYPE: LOW LEVEL SWITCH; POTENTIAL: 230 VAC; OUTPUT: 2 VAC; INPUT: 4-20 MA; CLASSIFICATION: NON HAZARDOUS; MOUNTING: DIN; SPECIFICATION: NRS 1-7; ELECTRODE INPUT			
0621440	CONTROLLER, ELECTRONIC: TYPE: ENERGY MANAGER; POTENTIAL: 230 VAC; OUTPUT: 4-20 MA; INPUT: 4-20 MA; CLASSIFICATION: NON HAZARDOUS; MOUNTING: DIN RAIL; SPECIFICATION: EN1434-1; SUPPL P/N: RMS621-21BAA1211; 90-250VAC; 1-2X4-20MA; 2XPT100/500/1000; 0-2X4-20MA; MATERIAL NO: 51003589; ALPHANUMERIC DISPLAY: 8 BUTTON			
0621439	CONTROLLER, ELECTRONIC: TYPE: TEMPERATURE SWITCH; POTENTIAL: 230 VAC; OUTPUT: 2 VAC; INPUT: 4-20 MA; CLASSIFICATION: NON HAZARDOUS; MOUNTING: DIN RAIL; RANGE: 251-540 DEG C; SPECIFICATION: TRS 5-6; PT100; DIN.STW(STB).985-93S			
0621352	SWITCH, PUSHBUTTON: HEAD STYLE: ROUND; COLOR: RED; ELECTRICAL RATING: 600 V 6 KV 10 A; ACTION: 6PST; CONTACT ARRANGEMENT: 1NC; MOUNT: PANEL; APPLICATION: EMERGENCY STOP; WITH UNLOCKING KEY; PART NO: L22-BPVS40-601; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0150940	CABLE ASSEMBLY, POWER ELECTRICAL: TYPE: INSTRUMENT; OVERALL LENGTH: 10 M; CONDUCTOR QUANTITY: 4; SUPPL P/N: CYK10-A101; FOR ELECTRODES WITH BUILT IN PT100, VERSION STANDARD; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED			

0622158	MAGNET, ELECTRO: POTENTIAL: 200 VDC; STRENGTH: 300 KGS; DIMENSIONS: DIA 3/8 IN; POWER: 6 W; CURRENT: 100 MA; SUPPL P/N: A0007; APPLICATION: ACCESS CONTROL SYSTEM; DISTANCE: MAX 15 MM; TYPE: MAGNETIC SWITCH MSEW DOOR MONITOR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0622159	MAGNET, ELECTRO: POTENTIAL: 12 VDC; STRENGTH: 400 KGS; DIMENSIONS: WD 50 X LG 255 X HT 27 MM; POWER: 3 W; CURRENT: 630 MA; SUPPL P/N: S400; APPLICATION: ACCESS CONTROL SYSTEM; TYPE: ELECTROMAGNETIC DOOR LOCK; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0574970	UNIT: TYPE: INDOOR CALL POINT; APPLICATION: ALARM; MANUF P/N: MCP4A-G000SG-K013-11; NO/NC CONTACT; MAX CURRENT: 2A; MAX VOLTAGE: 30VDC; OPERATIONAL TEMP: -10 DEG CEL TO 55 DEG CEL; IP RATING: 24D			
0630013	VALVE: TYPE: GAUGE; VALVE SIZE: G1/2 IN; DESIGN RATING: 300 KPA; TEMPERATURE RATING: 100 DEG C; CONNECTION: 1/2 IN; OPERATED: MANUAL; BODY MATERIAL: SS; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; PART NO: 1KGZ020341; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0622160	RELAY, SOLID STATE: TYPE: PROTECTION; COIL VOLTAGE: 24 VAC; CONTACT RATING: 6 A; POTENTIAL: 24 VDC; CURRENT: 45 MA; CONTACT ARRANGEMENT: 3NO 3NC; ACTION: 1P; MOUNT: PANEL; SPECIFICATION: EN50205; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; PART NO: PSRSCP-24UC/ESAM4/3X1/1X2/B; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0622157	RELAY, SOLID STATE: TYPE: UNIVERSAL SAFETY; COIL VOLTAGE: 24 VAC; CONTACT RATING: 6 A; POTENTIAL: 24 VDC; CURRENT: 45 MA; CONTACT ARRANGEMENT: 3NO 3NC; ACTION: 1P; MOUNT: PANEL; SPECIFICATION: EN50205; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; PART NO: PSRSCP-24UC/URM/3X1/3X2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0621297	DIODE: TYPE: RECTIFIER; INDUSTRY STANDARD: SKK162/08; POTENTIAL: 800 VAC; CURRENT: 310 A; CONNECTION: THD; SUPPL P/N: V1003110; FORWARD VOLTAGE: 1.5V			
0145069	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 4 CORE, CU; CONDUCTOR SIZE: 0.5 MM2; INSULATION: PVC; SUPPL P/N: UVG02ACV; COLOUR OUTER BLACK, INSIDE RED, BLUE, YELLOW AND GREY; PVC			

0145070	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 8 CORE, CU; CONDUCTOR SIZE: 0.5 MM2; INSULATION: PVC; SUPPL P/N: UVG04ACV; PVC			
0234031	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 8; CONDUCTOR SIZE: 0.5 MM; INSULATION: PVC; SUPPL P/N: UVG08ACV; FOR USE ON C AND I MAINTENANCE; PVC			
0145231	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 16 CU STRANDED TWISTED PR; CONDUCTOR SIZE: 0.5 MM2; SHEATH MATERIAL: PVC GRAY; INSULATION: PVC; SCREEN: AL MYLAR FOIL; SUPPL P/N: UVG16ACV; COLOUR CODED (1 X BLUE, 1 X RED 1 X GREY, 1 X YELLOW, 1 X GREEN, 1 X BROWN, 1 X WHITE AND 1 X BLACK), COMPLETE WITH DRAIN WIRE, CONTINUOUS LENGTH MARKINGS AT 1M INTERVALS(STARTING AT 1M AT BEGINNING OF ROLL) TO BE INDELIBLY PRINTED ON SHEATH AS PER ESKOM REFERENCE NWS 1525; PVC			
0234030	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 32; CONDUCTOR SIZE: 0.5 MM; INSULATION: PVC; SUPPL P/N: UVG32ACV; FOR USE ON C AND I MAINTENANCE; PVC			
0690704	BASE: TYPE: COMBINATION UNIT FOR RFID TAG READER; WIDTH: 80 MM; LENGTH: 161 MM; HEIGHT: 50 MM; MATERIAL: STAINLESS STEEL V4A; APPLICATION: SLAVE UNIT ON THE PROFIBUS DP; OEM P/N: 128232; RFID TAG READER BASE U-P6V4A-B6; COMPATIBLE WITH READER IPT1-FP (PART NUMBER 183956) IP67 (ONLY IN CONNECTION WITH WRITE/READ HEAD OR COVER) --- PROFIBUS DP ACC. TO EN 50170			

0690707	BASE: TYPE: COMBINATION UNIT FOR RFID TAG READER; WIDTH: 80 MM; LENGTH: 161 MM; HEIGHT: 50 MM; MATERIAL: ALUMINIUM BLACK ANODISED; APPLICATION: SLAVE UNIT ON THE PROFIBUS DP; OEM P/N: 095730; RFID TAG READER BASE U-P6-B6; COMPATIBLE WITH READER IPT1-FP OF (PART NUMBER 183956) IP67 ACCORDING TO EN 60529 WITH IPT*-FP PROFIBUS DP ACC. TO EN 50170			
0528905	BATTERY: TYPE: S7-400; POTENTIAL: 3.6 V; MANUF P/N: 6ES7971-OBA00; SIMATIC; BACK UP 3.6V/2.3AH FOR PS 405 4A/10A/20A; MUST BE CHECKED AT RECEIVING BEFORE PLACED ON THE SHELF			
0701998	COMPUTER: TYPE: WEIGHING; APPLICATION: WEIGH-FEEDER; SUPPL P/N: DWC-5C/0000; DISPLAY: LCD BACKGROUND LIT WITH 112X128 DOTS; KEYBOARD: AND PIECES FOIL KEYS WITH MULTIPLEXING; CONTROL INPUTS: 4 INPUTS WITH GALVANIC ISOLATION; CONTROL INPUT VOLTAGE: 12-28VDC, INTERRUPTION INPUTS: 2 X 12-28VDC GALVANIC ISOLATION; BCD DATA INPUTS: 2 X 4 DIGIT; 4 DATA LINES; 4 SCAN LINES; MAXIMUM CABLE LENGTH: 300M, CONTROL OUTPUTS: 6 X RELAY OUTPUTS, COUNTING PULSE OUTPUT: POTENTIAL FREE LOAD CELL SUPPLY: 10VDC WITH SENSE-INPUT FOR 5 CONDUCTOR WIRING, WEIGHING SIGNAL: 24 BIT A/D-CONVERTER, ANALOG INPUTS: 2 X 16-BIT A/D-CONVERTER; ANALOG OUTPUT: 8-BIT D/A-CONVERTER ON I/O CARD 1, 10 BIT D/A-CONVERTER ON I/O CARD 2, INTERFACE: RS232 AND PROFIBUS-DP, SUPPLY VOLTAGE: 220VAC			

0648465	SWITCH, PRESSURE: TYPE: HYDRAULIC/PNEUMATIC; RANGE: 0-100 BAR; POTENTIAL: 250 V; CURRENT: 5 A; ACTION: SPDT; CONNECTION: SCREW; CONTACT ARRANGEMENT: 1NC 1NO; POWER: 30-120 W; APPLICATION: BALL MILL SPEED REDUCER KV; ENCLOSURE RATING: IP65; PART NO: 0183-46245-9-061; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0646336	SWITCH, PROXIMITY: TYPE: INDUCTIVE SENSOR; REFERENCE NO: SP-KUS-F2-76225; PART NO: NJ2-12GM40-E2-V1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0549248	PROBE: TYPE: TEMP/FLOW CONTR ST10405; RATING: 3 TO 300 CM/S; TEMP RANGE: -20 TO 100 DEG C			
0659032	METER, FLOW: TYPE: PADDLE WHEEL; CONNECTION: 25 BSP-F IN; RANGE: 140 KPA; MATERIAL: SS GR 316L; SUPPL P/N: S030+8035; SENSOR BODY: PVC; O-RING: EPDM; ROTOR/PIN: PVC; TYPE: INLINE SENSOR FITTING WITH PADDLE WHEEL FOR FLOW MEASUREMENT; CALIBRATION CERTIFICATE REQUIRED ON EVERY DELIVERY			
0622166	CELL, CONDUCTIVITY: TYPE: FLOW; CELL CONSTANT: 1/CM; CELL MATERIAL: TI 3.7035; ELECTRODE: NICKEL; SUPPL P/N: 1KGZ038068; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHEDVENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0641422	AMPLIFIER: TYPE: FLOW SENSOR; INPUT: 115-230 VAC; OUTPUT: (2) RELAY/CHANGE OVER; POWER: 60 W; POTENTIAL: 230 V; REFERENCE NO: SKZ400WR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0645870	SWITCH: PART NO: SP-KUS-F2-22058; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0653346	INDICATOR, SIGHT FLOW: SUPPL P/N: VZO25S			
0645877	INDICATOR: TYPE: RESISTANCE THERMOMETER; RANGE: 0-100 DEG C; SCALE: GRADIENT; SPECIFICATION: TR88+TMT182+TW; SUPPL P/N: SP-KUS- F2-22036			
0153402	THERMOMETER: TYPE: INDICATING; RANGE: 0-70 DEG C; GRADUATIONS: 0.2 BAR; SUPPL P/N: PE02-40-00; PE2ADM/PE2/2ADMSQ; SPARES FOR THIEDIG SAMPLE COOLER			
0708417	DISPLAY UNIT: TYPE: DUST MONITOR; POWER SOURCE: 400 VAC; READOUT: 4 LINE LCD; DIMENSIONS: WD 600 X HT 1760 X DP 670 MM; SUPPL P/N: 4-LINE- LCDPFM97ED; WITH OPERATING KEYS; KEY SWITCH AND RS232 INTERFACE			
0708459	AMPLIFIER: TYPE: CARD; INPUT: 4-20 MA; OUTPUT: 15 VDC; POWER: 1.2 W; POTENTIAL: 50 V; CURRENT: 25 A; DRAWING NO: ASSY.02-326047 REV 0; SPECIFICATION: EEA-PAM-581-D-32; REFERENCE NO: EE-04058-042; SUPPL P/N: KHDG5V-5/7/8; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0708462	DEVICE: TYPE: PROBE; APPLICATION: CEMS DUST; SUPPL P/N: PFM97ED21131; EXTRACTIVE SAMPLING WITH GRP WEATHER PROTECTION CASING; PROTECTION: IP55; DIMENSIONS: WD 610 X HT 1050 X DP 1500MM; WEIGH: 45KG			
0152001	KIT: TYPE: GAS REGULATOR			
0613988	GAS, MIXTURES: TYPE: NITROGEN/OXYGEN; CONTAINER CAPACITY: 10 L; CONTAINER TYPE: CYLINDER; CONCENTRATION: N 81/O2 19 PCT; PHYSICAL FORM: GAS; TEST GAS; BALANCE NITROGEN; N2; MATERIAL SAFETY DATA SHEET WITH ENVIRONMENT INFORMATION IN THE 16 POINT FORMAT TO BE PROVIDED WITH EVERY DELIVERY AS REQUIRED BY THE OCCUPATION HEALTH AND SAFETY ACT			
0621981	GAS, MIXTURES: TYPE: NITROGEN/OXYGEN; CONTAINER CAPACITY: 10 L; CONTAINER TYPE: CYL; CONCENTRATION: N 98/O2 2 PCT; TEST GAS, BALANCE NITROGEN, N2; MATERIAL SAFETY DATA SHEETS WITH ENVIRONMENTAL INFORMATION IN THE 16 POINT FORMAT TO BE PROVIDED WITH EVERY DELIVERY AS REQUIRED BY THE OCCUPATIONAL HEALTH AND SAFETY ACT			

0636869	SIGNAL: DIMENSIONS: WD 22.5 X LG 100 MM; COLOR: BLUE; MANUF P/N: GB-SP2/IA-IAIA/C; HEIGHT IS 13MM; DUAL OUTPUT PROCESS SIGNAL SPLITTER; AUXILIARY SUPPLY:24VDC; INPUT CURRENT 4 TO 20MA; OUTPUT CURRENT 2 X 4 TO 20MA; POWER ON; STATUS GREEN LED; INPUT STATUS AND ALARM LED'S; HIGH QUALITY PLUG IN SCREW TERMINALS; DIN RAIL MOUNTING ENCLOSURE-22.5 X 100 X 113MM; (WIDTH X LENGTH TOP TO BOTTOM X HIIGHT OF DIN RAIL)VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0705587	POTENTIOMETER: TYPE: KNOB; RESISTANCE: 5 K OHM; POWER: 5 W; TOLERANCE: 2 PCT; MATERIAL: PLASTIC; TURNS: 10; SUPPL P/N: LA42WQ-22			
0646332	SWITCH, LIMIT: POTENTIAL: 24 VDC; CURRENT: 10 A; ACTION: SPST; ACTUATOR: SNAP SWITCH ELEMENT; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: METAL; POWER: 230 W; CONTACT RATING: 1 A; APPLICATION: POSITIONER; ENCLOSURE RATING: IP67; SUPPL P/N: ZR355-11Z-1637; SNAP ACTION WITH CONSTANT CONTACT PRESSURE UP TO SWITCHING POINT			
0704344	MODULE, COMMUNICATION: TYPE: NETWORK; INPUT: 24 VDC; OUTPUT: OPTICAL DATA; APPLICATION: SCADA; HARDWARE: I/O CARDS, PLC; SPECIFICATION: EN 61000-6-2, EN 61000-6-4; MODEL NO: PROFIBUS OLM/P11 V4.0; OPTICAL LINK MODULE WITH 1 RS-485 AND 1 PLASTIC FOC INTERFACE (2 BFOC SOCKETS), WITH SIGNALING CONTACT AND TEST PORT			
0252822	MODULE: TYPE: 8 CHANNEL DIGITAL I/O; INPUT: 24 VDC; OUTPUT: 24 VDC; APPLICATION: SIMATIC S7-300; REFERENCE NO: SM323; SUPPL P/N: 6ES7323-1BH01-0AA0			

0703363	TRANSMITTER, PRESSURE: RANGE: 0-10 KPA; OUTPUT: 4-20 MA; SUPPLY: 8-33 VDC; CONNECTION: G1/4 SEAL AT BACK, DIN EN ISO 1179-2; ELECTRICAL CONNECTION: SWIFT CONNECTOR; BODY MATERIAL: STAINLESS STEEL; DIAPHRAGM MATERIAL: PPS; TYPE: RELATIVE AIR PRESSURE MEASUREMENT; APPLICATION: AIR PRESSURE; CLASSIFICATION: NON HAZARDOUS; SPECIFICATION: DIN EN ISO 1179-2; ENCLOSURE: STAINLESS STEEL; CONTACT ARRANGEMENT: UNRESTRICTED; SUPPL P/N: 511.930003141; PJFFP FOR GAS MEDIUM; SEALING MATERIAL - FPM; THUMB SIZE WITH QUARTER INCH CONNECTION; SWIFT ELECTRICAL CONNECTION; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0703359	MODULE: TYPE: ANALOGUE I/O CARD; INPUT: 0-10V 0-20MA; OUTPUT: 0-10V 0-20MA; POWER SOURCE: 24 VDC; APPLICATION: SCADA; DIMENSIONS: WD 40 X HT 125 X DP 117 MM; SPECIFICATION: ROHS; COMMERCIAL SIZE: 285 G; OEM P/N: S7-300 SM 334, OEM: SIEMENS; SM 334 NON-ISOLATED 4 AL/2 AO, 1 X 20 POLE; 6ES7334-0CE01-0AA0; CHARCOAL IN COLOUR			
0699982	PUMP: TYPE: PRESSURE TESTING; SIZE: WD 490 X LG 250 X HT 160 MM; CAPACITY: 66ML/STROKE; SPEED: 66 RPM; RATING: 120 BAR; DRIVER: MANUAL; CASING MATERIAL: STEEL; MANUF P/N: TP 120; MANUAL PRESSURE TESTING PUMP 0-120 BAR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0699981	SEALANT: TYPE: MICON FIRE RETARDANT MASTIC; CONTAINER: BUCKET; MATERIAL: FIRE RETARDANT PAINT; COLOR: BROWN; TEMPERATURE RATING: 300 DEG C; APPLICATION: ELECTRICAL CABLES; SETTING CONDITION: 6M2 PER L; MANUF P/N: Flamsayf 325; MICON FLAMSAYF 325 FIRE RETARDANT MASTIC; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0611428	GAS, MIXTURES: TYPE: CALIBRATION; CONTAINER CAPACITY: 10 L; CONTAINER TYPE: DISPOSABLE; CONCENTRATION: O2 2/N2 98 PCT; PHYSICAL FORM: GAS; REFERENCE NO: S-CAND-103/110 2% O2/N2; S-CAND-110 2% O2/N2; 16 POINT MATERIAL SAFETY DATA SHEET TO BE SUPPLIED WITH EVERY DELIVERY			
0648124	RESISTOR: RESISTANCE: 27 K OHM; RATING: 8 W; TOLERANCE: 5 PCT; TYPE: WIRE WOUND; CURRENT: 544 MA; MANUF P/N: 0416061308			
0611429	GAS, MIXTURES: TYPE: CALIBRATION; CONTAINER CAPACITY: 10 L; CONTAINER TYPE: DISPOSABLE; CONCENTRATION: O2 20/N2 80 PCT; PHYSICAL FORM: GAS; REFERENCE NO: S-CAND 103/110 20% O2/N2; S-CAND 110 20% O2/N2; 16 POINT MATERIAL SAFETY DATA SHEET TO BE SUPPLIED WITH EVERY DELIVERY			

0699976	AMPLIFIER: TYPE: 4 QUADRANT; INPUT: 11-70 VDC; OUTPUT: 5 (100), 15(20) VDC; POWER: 700 W; POTENTIAL: 70 VDC; CURRENT: 10 A; MANUF P/N: SCA-B4-70-10; FOUR QUADRANT SERVOR BRUSHLESS SERVO AMPLIFIER, FULLY ENCLOSED WITH RUGGED ALUMINIUM CASE; SERVO AMPLIFIER WITH OPERATION MODES: TORQUE CONTROL, SPEED CONTROL BY HALL SENSOR, SPEED CONTROL BY ENCODER; DIMENSIONS: LENGTH = 180 MM, WIDTH = 100 MM, HEIGHT = 40 MM; BLACK IN COLOUR, WITH JUMPERS, GAIN SETTINGS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0699984	PIPE, ASSEMBLY: CONNECTION: CONNECTING CABLE WITH PLUG; DIMENSIONS: DIA 28 MM; MATERIAL: MULTILAYER THERMAL FLEECE INSULATION; APPLICATION: ANALYTICAL EQUIPMENT INSTALLED TO MONITOR AIR POLLUTANTS; TYPE: HEATED HOSE; MANUF P/N: BEBX8KSP+YA4WKSX8; SPECIFICATION: 1603140206; STAINLESS STEEL TUBE END, HEATED HOSE 2800W, 200 DEG C, 230V(AC); 28M BEMW2C24#1T040000; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0646336	SWITCH, PROXIMITY: TYPE: INDUCTIVE SENSOR; REFERENCE NO: SP-KUS-F2-76225; PART NO: NJ2-12GM40-E2-V1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0694335	FUSE, CARTRIDGE: CURRENT: 440 MA; POTENTIAL: 1000 V; CONNECTION TYPE: WIRE LEAD; DIMENSIONS: DIA 10.3 X LG 35 MM; INTERRUPT CAPACITY: 10 KA; TYPE: MULTIMETER; CASE MATERIAL: CERAMIC HBC; SPECIFICATION: 201- 0251; SUPPL P/N: 440MA/1000V-B1			
0694291	FUSE, ASSORTMENT: FUSE TYPE: GLASS CYL; FUSE QUANTITY: 180; SUPPL P/N: 893-8534; RS PRO F; T FUSE KIT GLASS DIA 6.3 X LG 32MM FUSES			
0694290	FUSE, ASSORTMENT: FUSE TYPE: CYL; FUSE QUANTITY: 180; SUPPL P/N: 893- 8537; RS PRO F; T FUSE KIT CERAMIC DIA 5 X LG 20MM FUSES			
0693381	CABLE: TYPE: UL AWM-STYLE 4476; DIAMETER: 11 ±0.6 MM; LENGTH: 6 M; MATERIAL: SILICONE; OEM P/N: 101271; USED WITH COAL AND OIL FLAME SCANNERS FOR UNIT MAIN BOILER BURNERS; COMES WITH UL AWM STYLE PLUG TO THE IGNITOR; COMES WITH UL AWM STYLE PLUG TO THE IGNITOR; CORES: 8 X 0.5 MM ² (SQUARE MM); WEIGHT: CA. 170 KG/KM; UL, CSA APPROVALS			
0669187	METER, FLOW: TYPE: VARIABLE; CONNECTION: 1/8 IN; RANGE: 5-50 CCA; MATERIAL: SS; DESIGN RATING: 20 BAR G; MEDIUM: LIQUID; GAS; SUPPL P/N: 1000SV			
0687435	CARTRIDGE: TYPE: CELL; MATERIAL: PLASTIC; DIMENSIONS: OD 23.2 X LG 50 MM; CAPACITY: 0-100PCT OXYGEN; APPLICATION: EMISSIONS ANALYSERS AT THE STACK/CHIMNEY; SUPPL P/N: KE-25F-3; COLOR: WHITE; HANDHELD; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0583354	VENTILATOR: TYPE: FAN/FILTER UNIT; DIMENSIONS: 323 X 12.5 MM; CAPACITY: 22.05 DM3; MANUF P/N: SK3327.107; 700-720 M3/H; 230V; PANEL; RAL7035; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0669187	METER, FLOW: TYPE: VARIABLE; CONNECTION: 1/8 IN; RANGE: 5-50 CCA; MATERIAL: SS; DESIGN RATING: 20 BAR G; MEDIUM: LIQUID; GAS; SUPPL P/N: 1000SV			
0640288	VALVE, SOLENOID: PIPE SIZE: 24 MM; STYLE: 3 PORT CONNECTIONS; POTENTIAL: 230 VAC; DESIGN RATING: 500 BAR; CONNECTION: SOCKET WELD; BODY MATERIAL: STL; OPERATED: SOLENOID; ENCLOSURE RATING: IP65; MEDIUM: OIL; POWER: 26 W; DIRECTIONAL SEAT VALVE; PART NO: WSE3EOC.X/W230-Z4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0665771	ANALYZER, GAS: TYPE: MULTIGAS ANALYZER; DISPLAY: LCD; APPLICATION: FGD; DIMENSIONS: WD 438 X HT 133 X DP 418 MM; SPECIFICATION: ZRE			
0668408	BLOWER, ELECTRICAL: TYPE: SINGLE STAGE; CAPACITY: 1.25-1.6 M3/MIN; SIZE: DIA 200 MM; POTENTIAL: 346- 440V; +/-5PCT; CURRENT: 2.15- 2.70/1.25-1.55 A; POWER: 500 W; OEM P/N: SD2N/M; SINGLE STAGE SIDE CHANEL; SPEED: 2850RPM; NOISE PRESSURE LEVEL: 62DB(A)VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0660212	ANALYZER, GAS: TYPE: MULTI; APPLICATION: MEASURE O ₂ , CO, SOX, NOX, CO ₂ ; DIMENSIONS: WD 483 X HT 133 X DP 350 MM; MANUF P/N: MGA 12; INFRARED PHOTOMETER; THERMOSTATED; AMBIENT TEMPERATURE 5-30 DEG C; MEASURING METHODS ELECTROCHEMICAL CELL (O ₂ , H ₂ S); INFRARED PHOTOMETER (CO, CO ₂ , SO ₂ , NO, NO ₂ , CH ₄ , H ₂ O) PARAMAGNETIC MEASURING METHOD (O ₂); ACCURACY <2% OF RESPECTIVE MEASURING RANGE; DIGITAL INPUT 8; DIGITAL OUTPUTS 16; ANALOGUE OUTPUTS 5; POWER SUPPLY 110/230VAC 50-60HZ; 40W			
0660214	ANALYZER, GAS: TYPE: MULTI; APPLICATION: MEASURE O ₂ , CO, SOX, NOX, CO ₂ ; DIMENSIONS: WD 483 X HT 133 X DP 350 MM; MANUF P/N: MGA 12; INFRARED PHOTOMETER; THERMOSTATED; AMBIENT TEMPERATURE 5-30 DEG C; MEASURING METHODS ELECTROCHEMICAL CELL (O ₂ , H ₂ S); INFRARED PHOTOMETER (CO, CO ₂ , SO ₂ , NO, NO ₂ , CH ₄ , H ₂ O) PARAMAGNETIC MEASURING METHOD (O ₂); ACCURACY <2% OF RESPECTIVE MEASURING RANGE; DIGITAL INPUT 8; DIGITAL OUTPUTS 16; ANALOGUE OUTPUTS 5; POWER SUPPLY 110/230VAC 50-60HZ; 40W			
0660216	ANALYZER, GAS: TYPE: MULTI; DISPLAY: LCD; APPLICATION: MEASURE CO ₂ , O ₂ , CO, SOX, NOX; DIMENSIONS: WD 483 X HT 177 X DP 339 MM; SPECIFICATION: NAMUR NE21, EN 50081-1/EN 50082-2; MANUF P/N: MGA 23; IP21; ANALOG OUTPUTS 4 X 4.20 MA; DIGITAL OUTPUTS 8X 24V, 1A; BINARY INPUTS 3; SERIAL INTERFACE RS485; POWER SUPPLY 110/230VAC, 50-60HZ; SAMPLE GAS PRESSURE 0.5 TO 1.5 BAR; SAMPLE GAS TEMPERATURE 0-50 DEG C; SAMPLE GAS HUMIDITY <90% RELATIVE HUMIDITY			

0660219	<p>DEVICE: TYPE: FLOW MEASURING; APPLICATION: MEASURE FLOW/PRESSURE/TEMPERATURE OF EMMISSIONS; MANUF P/N: FMD 99; RANGE VELOCITY 3-100 M/S; VOLUME FLOW 10-3200 000 M3/H; DIFF PRESSURE 1-100MBAR; TEMPERATURE - 30 TO 600 DEG C; CONNECTION DN80 PN6; POWER SUPPLY 110/230VAC; 50- 60HZ; 24 VDC, 5W; MEDIA TEMPERATURE 280 DEG C; AMBIENT TEMPERATURE -20 TO 50 DEG C; ANALOG OUTPUTS 3 X 4.20MA; DIGITAL OUTPUT 24VDC AT 0.1A</p>			
0670080	<p>GASKET, PRE CUT: DIMENSIONS: ID 21.5 X OD 50.5 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; REFERENCE NO: NOVAPRESS MULTI II; MEDIA: GAS; PROVIDE TECHNICAL SPECIFICATION (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKET WILL BE CUT</p>			
0670082	<p>GASKET, PRE CUT: DIMENSIONS: ID 26.5 X OD 37 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; REFERENCE NO: NOVAPRESS MULTI II; MEDIA: GAS; PROVIDE THE TECHNICAL SPECIFICATIONS (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT</p>			

0670083	GASKET, PRE CUT: DIMENSIONS: ID 21 X OD 30 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; REFERENCE NO: NOVAPRESS MULTI II; MEDIA: GAS; PROVIDE THE TECHNICAL SPECIFICATION (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT			
0670084	GASKET, PRE CUT: DIMENSIONS: ID 37 X OD 60 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; HOLES: 4; REFERENCE NO: NOVAPRESS MULTI II; MEDIA: GAS; HOLE SIZE ID 7MM; PROVIDE THE TECHNICAL SPECIFICATION (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT			
0670086	GASKET, PRE CUT: DIMENSIONS: ID 116 X OD 190 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; HOLES: 4; REFERENCE NO: NOVAPRESS MULTI II; HOLE SIZE ID 18MM; MEDIA GAS; PROVIDE THE TECHNICAL SPECIFICATION (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT			
0670087	GASKET, PRE CUT: DIMENSIONS: ID 27.5 X OD 38 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; REFERENCE NO: NOVAPRESS MULTI II; MEDIA: GAS; PROVIDE THE TECHNICAL SPECIFICATIONS (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT			

0670088	GASKET, PRE CUT: DIMENSIONS: ID 22 X OD 65 MM; THICKNESS: 2 MM; TYPE: HIGH PRESSURE; MATERIAL: ARAMIDE FIBRES/GRAPHITE FILLER/NBR; PRESSURE RATING: 40 BAR; TEMPERATURE RATING: 250 DEG C; HOLES: 4; REFERENCE NO: NOVAPRESS MULTI II; HOLE SIZE ID 7MM; MEDIA GAS; PROVIDE THE TECHNICAL SPECIFICATION (DATASHEET) OF THE MATERIAL FROM WHICH THE GASKETS WILL BE CUT			
0670109	FILTER: TYPE: UNIVERSAL; DIMENSIONS: WD 58 X LG 54 X HT 221 MM; MATERIAL: PVDF,VITON,GLASS,PTFE; MICRON: 2; MEDIUM: GAS; MANUF P/N: 02F1000; REFERENCE NO: FP-2T-D; WITH GL25 CONDENSATE OUTLET IN THE GLASS BODY AND IN DEPTH FILTER ELEMENT MADE OF PTFE; FILTER POROSITY 2 MICRON; CONNECTION G 1/4 INCH;			
0670110	SENSOR, FLOW: MEDIUM: GAS; DIMENSIONS: LG 115 MM; FLOW RATE: 0-1000 LPH; PRESSURE RATING: 0-4 BAR G; MATERIAL: PVDF, GLASS, PLATINUM; MANUF P/N: 03 E 3001; REFERENCE NO: LA 1S; LIQUID ALARM SENSOR; SERIES LA; CONNECTION CABLE 4 M; OPERATING TEMPERATURE 80 DEG C; GAS CONNECTIONS 12MM; TYPE OF MOUNTING CLAMPING; MOUNTING POSITION VERTICAL; WITHOUT CONTROLLER; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0670114	CONTROLLER, ELECTRONIC: TYPE: SIGNAL; POTENTIAL: 24 V; OUTPUT: 250 V; INPUT: 500 VA; CLASSIFICATION: IP20; MOUNTING: RAIL; CURRENT: 2 A; POWER: 1 VA; SPECIFICATION: EN60529; MANUF P/N: 03 E 2006 D; REFERENCE NO: LA-1.4; DC 45W; AC 5000VA; RAIL MOUNTING HOUSING EN 50022; FOR SENSOR LA1S/LA25S; WITH FAULT AND OPERATION INDICATION AND TWO OUTPUT CONTACTS			
0671046	COOLER: TYPE: GAS; DIMENSIONS: WD 449 X HT 266 X DP 321 MM; RATING: 300W @ 45 DEG C; SERIES: MAK 10; MANUF P/N: MAK 10-3303-5-00-F; NUMBER OF GAS PATHS 3; COOLING TRANSFER TUBE ALUMINIUM; COOLING SURFACE PTFE COATING; HOUSING/SEALINGS PVDF/VITON; IP20; EN 60529 / EN 61010; HOUSING RAL 7035 - WALL MOUNTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0671047	FILTER: TYPE: FLUID PARTICLE; DIMENSIONS: WD 60 X LG 80 X HT 310 MM; MATERIAL: PVDF, GLASS, FPM, PTFE, POLYMER; MICRON: 0.1 uM; MEDIUM: GAS; MANUF P/N: CLF-5/W; REFERENCE NO: 03F3005			

0671048	UNIT: TYPE: VACUUM PUMP; COMPRESSOR; APPLICATION: SAMPLING; MANUF P/N: N 87 TTE; REFERENCE NO: PM22657-816; FLOW RATE 7.5 L/MIN; ULTIMATE VACUUM 140 MBAR; MAX OPERATING PRESSURE 21.8 PSIG; PUMP HEAD MATERIAL PVDF; DIAPHRAGM MATERIAL CR, PTFE COATED; INTERNAL VALVE MATERIAL FFPM; ULTIMATE VACUUM 140 MBAR ABS; AMBIENT TEMPERATURE 5-40 DEG C; MEDIA TEMPERATURE 5-40 DEG C; CAPACITOR MOTOR 230V, 50HZ, 60W, IP54, RUNNING AT MAXIMUM CURRENT 0.30A			
0627333	SENSOR, CONDUCTIVITY: TYPE: ELECTRODE; CELL CONSTANT: 1 S/CM; CABLE LENGTH: 10 M; MATERIAL: PLASTIC; CONNECTION: G1 IN; MOUNT: PANEL; ELECTRODE: GRAPHITE; SENSOR SHAFT: POLYETHER SULFONE (PES- GF20); APPLICATION: WATER; PART NO: 1KGZ049809; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0655108	SENSOR, VIBRATION: FREQUENCY RESPONSE: 2HZ TO 1KHZ; OPERATING TEMPERATURE: -25 TO 90 DEG C; OUTPUT: 4-20 MA DC; POTENTIAL: 12- 32 VDC; CONNECTION: DCS; MOUNT: BOLTED; DIMENSIONS: DIA 28MM X LG 5.7M; ENCLOSURE: IP67; VELOCITY TRANSDUCER WITH DC OUTPUT FOR CONTINUOUS VIBRATION; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0655123	TRANSMITTER: TYPE: SENSOR; RANGE: NONE; OUTPUT: 4-20 MA; SUPPLY: 250 VAC; APPLICATION: MICROTECH 2001 INTEGRATER; BELT SCALE - MODEL LT 400 LOAD CELL; COAL PLANT; ENCLOSURE: IP65; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0655303	CABLE, FIBER OPTIC: TYPE: UV FLAME SENSOR; REFERENCE NO: SP-KUS-F2-16003; SUPPL P/N: D-LL 703 UV-55IP; WITHOUT OUTER CARRIER VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0663918	SWITCH, PROXIMITY: TYPE: INDUCTIVE SENSOR; SENSING RANGE: 20 MM; POTENTIAL: 20-250 VDC; CURRENT: 2MA; 8A; ACTION: PNP; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 250 VDC; DIMENSIONS: DIA 40 X LG 114 MM; CONNECTION: THD; APPLICATION: COAL STACKER PIN; CLASSIFICATION: IP67; SPECIFICATION: DDBNH; REFERENCE NO: 281997; PART NO: LSI-Q40P-F20-CA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0664038	SWITCH, PROXIMITY: TYPE: INDUCTIVE LINEAR SENSOR; SENSING RANGE: 102 MM; POTENTIAL: 220-240 V; CURRENT: 10 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-68.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0664039	SWITCH, PROXIMITY: TYPE: INDUCTIVE LINEAR SENSOR; SENSING RANGE: 189-200 MM; POTENTIAL: 240 V; CURRENT: 6.4 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-67.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0664042	SWITCH, PROXIMITY: TYPE: INDUCTIVE LINEAR SENSOR; SENSING RANGE: 170 MM; POTENTIAL: 220 V; CURRENT: 6 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-66.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0664043	SWITCH, PROXIMITY: TYPE: INDUCTIVE LINEAR SENSOR; SENSING RANGE: 201 MM; POTENTIAL: 135 V; CURRENT: 7 A; ACTION: SPDT; CONTACT ARRANGEMENT: 1NO 1NC; APPLICATION: STACKER HYDRAULIC SYSTEM; SPECIFICATION: 0973 0 07404-1; PART NO: 0973 0 07404-1-65.2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0665772	CABLE: TYPE: VIBRATION SENSOR; DIAMETER: 8 MM; LENGTH: 10 M; MATERIAL: SILICON; SPECIFICATION: CV211/CV160; SUPPL P/N: VMD-10.01-A14-B24-06-10(S01); SENSITIVITY OF 100MV/S			

0648913	ENCODER: TYPE: SPEED SENSOR; CLASSIFICATION: DUST PROTECTION; POTENTIAL: 0-10 VDC; CURRENT: 0-20 MA; POWER: 9 W; SUPPL P/N: 3053CU0015; ENSURE TO VERIFY DRAWINGS BEFORE QUOTE ON SITE			
0649048	SENSOR: TYPE: INDUCTIVE; RANGE: 250 MA; M12 CONNECTOR WITH 2 LOCK NUTS; DISPLAY: YELLOW LED; SENSING RANGE: 5MM; MODEL NO: IGA3005- APKG/US; PART NO: IG5555; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0654589	SENSOR: TYPE: HOLLOW SHAFT ENCODER; MATERIAL: 1.4104; SWITCHING FREQUENCY: 300KHZ; PHASE DIFFERENCE: 900; PART NO: RP- 6410; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0641422	AMPLIFIER: TYPE: FLOW SENSOR; INPUT: 115-230 VAC; OUTPUT: (2) RELAY/CHANGE OVER; POWER: 60 W; POTENTIAL: 230 V; REFERENCE NO: SKZ400WR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0639230	<p>SENSOR, VIBRATION: FREQUENCY RESPONSE: 50-60 HZ; OPERATING TEMPERATURE: -45 TO 85 DEG C; OUTPUT: 4-20 MA; POTENTIAL: 250 VAC; CONNECTION: M20 X 1.5 CABLE MM; MOUNT: VERTICAL; MECHANICAL VIBRATION SWITCH WITH MANUAL RESET BUTTON; BOTTOM USING FIXINGS SIZE: M5 AND ANTI-VIBRATION WASHERS; DRAWING NO: KUS/16/N/MAG-B05/WD/006; REFERENCE NO: 3171MR-ELECTRO; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>			
0641846	<p>SENSOR, CURRENT: CURRENT: 10 A; POTENTIAL: 24 VAC; TERMINAL TYPE: LUG; MOUNT: BRACKET; PART NO: 107020043; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>			
0642433	<p>SENSOR, VIBRATION: FREQUENCY RESPONSE: 10-100 HZ; OPERATING TEMPERATURE: -25 TO 80 DEG C; OUTPUT: 23 MV/MIL; POTENTIAL: 20-30 VDC; ENCLOSURE: IP66; VELOCITY TRANSDUCER: CV211; COIL RESISTANCE: 300 OHM; HOUSING: SS; MAX DISPLACEMENT: 2MM P-P; PART NO: VMD-CV211-V-CT-020; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>			

0642434	SENSOR, VIBRATION: FREQUENCY RESPONSE: 10-100 HZ; OPERATING TEMPERATURE: -25 TO 80 DEG C; OUTPUT: 23 MV/MIL; POTENTIAL: 18-30 VDC; ENCLOSURE: IP66; VELOCITY TRANSDUCER: CV211; COIL RESISTANCE: 300 OHM; HOUSING: SS; MAX DISPLACEMENT: 2MM P-P; PART NO: VMD-CV211-H-CT-020; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0642435	SENSOR, VIBRATION: FREQUENCY RESPONSE: 5-4 HZ; OPERATING TEMPERATURE: -25 TO 140 DEG C; OUTPUT: 4 MV/MIL; POTENTIAL: 18-30 VDC; CONNECTION: 1/4 IN-UNF; MOUNT: TOP; CURRENT: 0.5-8 MA; ENCLOSURE: IP67; VELOCITY TRANSDUCER: CV160; HUMIDITY: 100PCT; ELECTRICAL NOISE: 0.3MG MAX; BIAS VOLTAGE: 12VDC (NOMINAL); VELOCITY RANGE: 1200MM/S PEAK; SENSITIVITY: 4MV/MMPS; PART NO: PNR-VMD160-4-CT-S; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0642867	SENSOR, VIBRATION: FREQUENCY RESPONSE: 0-13 MM/S; OPERATING TEMPERATURE: -40 TO 85 DEG C; OUTPUT: 4-20 MA; POTENTIAL: 24 V; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0634163	SENSOR: TYPE: INDUCTIVE; RANGE: 0-5 MM; RATING: 8 VDC; PART NO: NJ5-18GK-SN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0634164	SENSOR: TYPE: INDUCTIVE; RANGE: 0-10 MM; RATING: 10-60 VDC; PART NO: NJ10-30GM50-E2-V1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0634166	SENSOR: TYPE: NON CONTACT POSITION; RANGE: 0-600 MM; RATING: 15-20 VDC; IP65; OUTPUT 4-20MA; SENSOR ROD STYLE: M18 X 1.5 HEX 46; PART NO: RD4-C-R6-B-0600M-D60-A01; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0636060	SENSOR, CONDUCTIVITY: TYPE: ELECTROMAGNETIC ANALYZER; CELL CONSTANT: 1 MS/CM; CABLE LENGTH: 5 M; MATERIAL: GRP VINYLLESTER; CONNECTION: M20 X 1.5; MOUNT: YOKE; SPECIFICATION: ISO; CHLORINE BLOWDOWN LIQUID; 2 WIRE OUTPUT HART; PART NO: CM42-KAA000EAEO; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0638994	SENSOR: TYPE: INDUCTIVE; RANGE: 0-50 MM; RATING: IP68; ELECTRICAL CONNECTION: M12 X 1; 4 PIN; MOUNT: SLOT; DIMENSIONS: SQ 84 X WD 40 MM; SPECIFICATION: SUFFIX M; PART NO: NCB50-FP-Z4-V1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0643519	SENSOR: TYPE: PRESSURE; PART NO: 3051CG-4A07A1BS5I1M5Q4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0643520	SENSOR: TYPE: LEVEL; PART NO: NMG125-ARV 1,5-VK5/TEH-L1400/12-V44R-EX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0643521	SENSOR: TYPE: LEVEL; PART NO: NMG125-ARV 1,5-VK5/TEH-L220/12-V44R-EX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0643522	SENSOR, CONDUCTIVITY: PART NO: TB27-0.0111100C2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0643532	SENSOR: TYPE: LEVEL; SUPPL P/N: NMG125-ARV 1,5-VK5/TEH-L500/12-V44R-EX			
0643534	SENSOR, FLOW: PART NO: EJX910A-EL5J-714DB-2B/KS2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0643535	SENSOR, FLOW: PART NO: RAMCO2-D4SS-63L2-T90NNN/BG/SD/Z; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0705599	CABLE, ELECTRICAL: VOLTAGE: 250 V; CORE QUANTITY: 2; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 0.64 MM; ARMOR: ARMORED; DESIGN TYPE: UNITRONIC BUS PB; TYPE: UV - RESISTANT; WEIGHT PER UNIT MEASURE: 74KG/KM; LENGTH: 500 M; APPLICATION: PROFIBUS-DP; SUPPL P/N: 2170220			

0643887	SENSOR, CURRENT: CURRENT: 100 A; HALL EFFECT CURRENT SENSOR OPEN LOOP (30-250A); PART NO: 107020040; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0643888	SENSOR, CURRENT: CURRENT: 300 A; HALL EFFECT CURRENT SENSOR OPEN LOOP (250-700A); PART NO: 0107020042; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0645190	SENSOR: TYPE: INDUCTIVE; PART NO: NJ2-12GK-N; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0646038	SENSOR: TYPE: MAGNETIC FIELD M; RANGE: 0-1600 RPM; RATING: 4-20 MA; CABLE LENGTH: 10 M; SUPPL P/N: A5S07T120-10M; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0646039	SENSOR: TYPE: MAGNETIC FIELD; RANGE: 0-6200 RPM; RATING: 4-20 MA; SUPPL P/N: A5S33-85792; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0646413	SENSOR: TYPE: FREQUENCY CONVERTER; PART NO: NJ10-30GM-E2- V1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0646871	SENSOR, CURRENT: OEM P/N: GME6019805, OEM: GE STEAM POWER SERVICE; REED-RELAY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0647814	SENSOR: TYPE: OXYGEN; RANGE: 0-20 PCT; SPECIFICATION: ZFK8; O2 ZIRCONIA SENSOR; PART NO: ZKF8R235-0Y0YY-1E; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0648247	SENSOR: TYPE: INDUCTIVE PROXIMITY; RANGE: 8 MM; RATING: 20-250 VDC; ELECTRICAL CONNECTION: CABLE 2 X 0.5 MM ² ; DIMENSIONS: LG 80 MM; SPECIFICATION: EN 60947-5-2 CL B; CABLE LENGTH: 2 M; 1X LED DISPLAY; PROTECTION CLASS II; NORMALLY OPEN; IP67; MATERIAL: PBT; SUPPLY WITH TWO LOCKNUTS; PART NO: IG-2008-ABOA(IG0006); VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0648308	SENSOR: TYPE: OXYGEN; RANGE: 0-20 PCT; SPECIFICATION: ZFK7; PART NO: ZKF8R34-0Y0YY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

0648367	SENSOR: TYPE: INDUCTIVE; RANGE: 2 MM; RATING: 10-60 VDC; ELECTRICAL CONNECTION: PUR CABLE; MOUNT: FLUSH; DIMENSIONS: WD 14 X LG 51.5 MM; PISTON DETECTOR; 3 WIRE; PUR CABLE/0.3M; 12 CONNECTOR; WITH M12 CONNECTOR; SHAFT DIA: 5MM; DAMPING WITH PISTON: 6MM; PART NO: X2N2A5; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
0648386	SENSOR: TYPE: INDUCTIVE; RANGE: 5 MM; RATING: 20-250 VDC; ELECTRICAL CONNECTION: CABLE; MOUNT: FLUSH; DIMENSIONS: WD 18 X LG 98 MM; CABLE LENGTH: 2 M; SCALE: 0-4.05 MM; PROTECTION: IP67; PART NO: A2B3A4; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			

The total of the Prices

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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 Maintenance Management intends to establish a partnership with a suitably qualified, experienced and well-established *Contractor* for the Supply, Delivery of Field Control Instrumentation Spares 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 Field Control Instrumentation Spares which Kusile Power Station is procuring, are correct.

Supply, Delivery of Field Control Instrumentation Spares

All field control instrumentation and accessories delivered must be complete instrument, ready for installation. Instruments must meet the specifications of Kusile Power Station Field Control Instrumentation. All deliveries must only occur after the receipt of an official order. All instruments must be Quality Checked by an approved QC nominee from the End-User list of spares inspectors. No instrument 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)
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- 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
