



NEC3 Supply Contract (SC3)

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

and
(Reg No. _____)

for SUPPLY & DELIVERY OF FIRE PROTECTION
SYSTEM SPARES FOR 60 MONTHS

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CONTRACT No.

PART C1: AGREEMENTS & CONTRACT DATA

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C1.1 Form of Offer & Acceptance

Section 1.01 Offer

The Purchaser, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of:

Article II. Supply and Delivery of Fire Protection System Spares

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

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*.

Section 2.01 Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)

Name(s)

Capacity

**for the
Purchaser**

General Manager
Medupi Generation Division
Eskom Holdings SOC Limited
Medupi Power Station
Private Bag x9003
LEPHALALE
Limpopo
0555

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

Section 2.02 Schedule of Deviations to be completed by the *Purchaser* prior to contract award

Note:

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

No.	Subject	Details
1	[•]	[•]
2	[•]	[•]
3	[•]	[•]
4	[•]	[•]
5	[•]	[•]
6	[•]	[•]
7	[•]	[•]

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

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

(i) For the tenderer:

(ii) For the Purchaser

Signature	_____	_____
Name	_____	_____
Capacity	_____	General Manager: Medupi Generation Division
On behalf of	(Insert name and address of organisation)	Eskom Holdings SOC Limited Medupi Power Station Private Bag x9003 LEPHALALE Limpopo 0555
Name & signature of witness	_____	Manager: Procurement
Date	_____	_____

C1.2 SC3 Contract Data

Article III. Part one - Data provided by the *Purchaser*

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

Clause	Section 3.01 Statement	Section 3.02 Data
1	Section 3.03 General	Section 3.04
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	<p>X1: Price adjustment for inflation</p> <p>X2: Changes in the law</p> <p>X3: Multiple currencies</p> <p>X7: Delay damages</p> <p>Z: Additional conditions of contract</p>
	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.	011 800 8111
	Fax No.	N/A
10.1	The <i>Supply Manager</i> is (name):	
	Address	Medupi Power Station
	Tel	
	e-mail	
11.2(13)	The <i>goods</i> are	Fire Protection System Spares
11.2(14)	The following matters will be included in the Risk Register	<ul style="list-style-type: none"> • Force Majeure • Climate change • Labour strike and Community Unrest • Lead time of material • Poor quality of material • Wrong material delivered • Early warning will be used by both Parties

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

		for new risks			
11.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.			
11.2(15)	The Supply Requirements as part of the Goods Information is in	Annexure A to this Contract Data			
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa			
13.1	The <i>language of this contract</i> is	English			
13.3	The <i>period for reply</i> is	Five working days			
Section 3	Section 3.06 The Supplier's main responsibilities	Data required by this section of the core clauses is provided by the <i>Supplier</i> in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.			
Section 3	Section 3.08 Time	Section 3.09			
30.1	The <i>starting date</i> is.	TBC			
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	<table> <tr> <td>1</td><td>Article IV. Supply and delivery of Fire Protection System Spares</td><td>To be agreed as per order</td></tr> </table>	1	Article IV. Supply and delivery of Fire Protection System Spares	To be agreed as per order
1	Article IV. Supply and delivery of Fire Protection System Spares	To be agreed as per 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.	To be agreed by both Parties			
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	period agreed by both Parties			
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	three working days			
Section 4	Section 4.02 Testing and defects	Section 4.03			
42	The <i>defects date</i> is	Fifty-two weeks after Delivery.			
43.2	The <i>defect correction period</i> is	Four weeks			
42.2	The <i>defects access period</i> is	Seven days			
Section 4	Section 4.05 Payment	Section 4.06			
50.1	The <i>assessment interval</i> is	between the 25th day of each successive month or Continuous assessment upon safe delivery and having met all the required standard and signed off			
51.1	The <i>currency of this contract</i> is the	South African Rand			
51.2	The period within which payments are made is	30 calendar days after reception of a valid tax invoice for contracts valued below R50 000 0000.00 (Fifty Million Rands) excluding VAT. 60 calendar days after reception of a valid tax invoice for contracts valued R50 000 0000.00 (Fifty Million Rands) excluding VAT and above			

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.
Section 4 Section 4.08 Compensation events		As per NEC3 TSC Core clause 6
Section 4 Section 4.10 Title		Section 4.11 As per NEC3 TSC Core clause 7
Section 4 Section 4.13 Risks, liabilities, indemnities and insurance		Section 4.14
80.1	These are additional <i>Purchaser's</i> risks	1. Obsolete goods 2. Preservation 3. Change in works information
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	R0.00 (zero Rand)
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event and (2) for all other existing <i>Purchaser's</i> property the applicable deductible as at contract date
88.3	The <i>Supplier's</i> liability for Defects due to his design which are not notified before the last <i>defects date</i> is limited to:	The total price of the design, manufacturing and delivery
88.4	The <i>Supplier's</i> total liability to the <i>Purchaser</i> , for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	The Purchase order
88.5	The <i>end of liability date</i> is	One years after Delivery of the whole of the goods and services.
Section 4 Section 4.16 Termination and dispute resolution		
94.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).

	Address	1st Floor, Maisels Chamber, 4 Protea Place, Sandton		
	Tel No.	011 320 0600		
	Fax No.	011 320 0533		
	e-mail	info@arbitration.co.za		
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)		
94.4(2)	The <i>tribunal</i> is:	arbitration		
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.		
94.4(5)	The place where arbitration is to be held is	South Africa		
	The person or organisation who will choose an arbitrator	the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.		
	- if the Parties cannot agree a choice or - if the arbitration procedure does not state who selects an arbitrator, is			
Section 4.18	Section 4.18 Data for Option clauses	Section 4.19		
X1	Price adjustment for inflation			
X1.1	The <i>base date</i> for indices is	Base date will be the month before the month in which the enquiry closed. Rates are fixed and firm for first twelve months after contract signed date. There after CPA escalation will apply annually.		
	The proportions used to calculate the Price Adjustment Factor are:	proportion	linked to index for	Index prepared by
		70%	Mechanical Engineering	SEIFSA [Table G-1]
		15%	Transportation	SEIFSA [Table L2A]
		15%	non-adjustable	
		100%		
X2	Changes in the law			
X2.1	A change in the law of	Republic of South Africa is a compensation event if it occurs after the Contract Date		
X3	Multiple currencies			
X3.1	The <i>Purchaser</i> will pay for these items in the currencies stated	Items	Other currency	Total maximum payment in the currency

X3.1	<p>[•]</p> <p>[•]</p> <p>[•]</p>		
	<p>The <i>exchange rates</i> are those published in [•] on [•] (date)</p> <p>The items will be paid in the other currency</p> <ul style="list-style-type: none"> - to a foreign Bank account nominated by the <i>Supplier</i> - to a valid SARB approved CFC account in South Africa - in accordance with an alternative payment method agreed with the <i>Purchaser</i> before the Contract Date. <p>(select one of the three methods as agreed with the successful tenderer prior to contract award and delete the others and this note)</p>		
X7	Delay damages		
X7.1	Delay damages for Delivery are	<p>Delivery of</p> <hr/> <p>Spare(s) as per the purchase order Delivery Date</p>	<p>amount per day</p> <hr/> <p>2% of the spare(s) item from the Delivery Date for each day until the earlier of Delivery</p>
Z	<p>The <i>additional conditions of contract</i> are</p> <p>Z1 to Z15 always apply for Eskom</p>		

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 goods, 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 goods, 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><i>Purchaser's</i> 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 47 of 1999, save to the extent that any liabilities are incurred due to the unlawful intent of the *Supplier* or any other person or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.3 Subject to clause Z14.4 below, the *Purchaser* waives all rights of recourse, arising from the aforesaid, save to the extent that any claims arise or liability is incurred due or attributable to the unlawful intent of the *Supplier* or any other person, or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.4 The *Purchaser* does not waive its rights provided for in section 30 (7) of Act 47 of 1999, or any replacement section dealing with the same subject matter.
- Z14.5 The protection afforded by the provisions hereof shall be in effect until the KNPS is decommissioned.

Z15 Asbestos

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

- AAIA** means approved asbestos inspection authority.
- ACM** means asbestos containing materials.
- AL** means action level, i.e. a level of 50% of the OEL, i.e. 0.1 regulated asbestos fibres per ml of air measured over a 4-hour period. The value at which proactive actions is required in order to control asbestos exposure to prevent exceeding the OEL.
- Ambient Air** means breathable air in area of work with specific reference to breathing zone, which is defined to be a virtual area within a radius of approximately 30cm from the nose inlet.
- Compliance Monitoring** means compliance sampling used to assess whether or not the personal exposure of workers to regulated asbestos fibres is in compliance with the Standard's requirements for safe processing, handling, storing, disposal and

phase-out of asbestos and asbestos containing material, equipment and articles.

OEL means occupational exposure limit.

Parallel Measurements means measurements performed in parallel, yet separately, to existing measurements to verify validity of results.

Safe Levels means airborne asbestos exposure levels conforming to the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.

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

SANAS means the South African National Accreditation System.

TWA means the average exposure, within a given workplace, to airborne asbestos fibres, normalized 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

Section 4.20 The Supply Requirements for this contract are as follows:

1. The requirements for the supply are	The <i>Supplier</i> supply and deliver of <i>goods</i> at Medupi Power Station Main stores	
2. The requirements for transport are	The <i>goods</i> will be transported on the road	
3. The delivery place is	The delivery location is Medupi Power Station Stores	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	<i>Supplier</i>
	Checking packing and marking before dispatch	<i>Supplier</i>
	Contracting for transport	<i>Supplier</i>
	Pay costs of transport	<i>Supplier</i>
	Arrange access to delivery place	<i>Purchaser</i>
	Loading the <i>goods</i>	<i>Supplier</i>
	Unloading the <i>goods</i>	<i>Purchaser</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

Article V. Part two - Data provided by the *Supplier*

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

Section 5.01 Clause	Section 5.02 Statement	Section 5.03 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	Rate based contract (in words) Rate based contract	
11.2(12)	The <i>price schedule</i> is in:	South African Rand	
11.2(14)	The following matters will be included in the Risk Register		
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are		
30.1	The <i>delivery date</i> of the <i>goods</i> and <i>services</i> is:	<i>goods and services</i>	<i>delivery date</i>
		1	
		2	
		3	
31.1	The programme identified in the Contract Data is contained in:		
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%	

Article VI.
Article VII.
Article VIII.
Article IX.
Article X.
Article XI.
Article XII.
Article XIII. 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

1. How goods and services are priced and assessed for payment

Clause 11 in NEC3 Supply Contract, (SC3) core clauses states:

Identified and defined terms	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.
		(12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
Assessing the amount due	50.2	The amount due is
		<ul style="list-style-type: none"> the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed, where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate, plus, other amounts to be paid to the <i>Supplier</i>, less amounts to be paid by or retained from the <i>Supplier</i>. <p>Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.</p>

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

2. Function of the Price Schedule

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

3. Preparing the *price schedule*

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

It will be assumed that the tendering supplier has

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

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

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

3.1. Format of the *price schedule*

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

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

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

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

C2.2 the *price schedule*

Item No	Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS Number/ Plant Area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No.	SAP Material Number	Unit	Quantity	Rate
1	Ball valve	VALVE, BALL	0 OSGA01 AA301, 0 OSGA02/3/4 AA301/302, 0 OSGA11 AA301, 0 OSGA20/21 AA301/302, 0 OSGA23/24 AA301/302/303, 0 OSGA26/27 AA301, 0 OSGA33/34/35 AA301/302	15 NB, lever type, ball valve	KI	½ CF8M 1000WOG	574438	Each	1	R
2	Pressure transmitter	RANSMITTER, PRESSURE	0 OSGA01 CP001	Pressure indicator transmitter	Endress & Hauser	PMP 71-ABA1HB1GAA AA	609484	Each	1	R
3	Pressure transmitter	RANSMITTER, PRESSURE		Pressure indicator transmitter	Endress & Hauser	PMP 71-ABA1HB1GAA AA	609483	Each	1	R
4	Pressure transmitter	RANSMITTER, PRESSURE		Pressure indicator transmitter	Endress & Hauser	PMP 71-ABA1HB1GAA AA	609482	Each	1	R
5	Gate valve	VALVE, GATE	0 OSGA01 AA401/404, 0 OSGA01 AA410/411, 0 OSGA02/3/4 AA401/402, 0	25 NB, hand operated, gate valve	CVT	Bonney Forge	667454	Each	1	R

			0SGA05 AA401/402/403/404, 0 0SGA11 AA401/402/404, 0 0SGA20/21 AA402, 0 0SGA23/24 AA402, 0 0SGA33/34/35 AA401/402, 0 0SGA36 AA401/403-408							
6	Butterfly valve with gearbox	VALVE, BUTTERFLY	0 0SGA01 AA501/2/3, 0 0SGA05 AA501/502, 0 0SGA12 AA401/402, 0 0SGA13 AA501/502, 1-6 0SGA20 AA501	300 NB, hand operated, butterfly valve with gearbox		Slim Wafer Type	724849	Each	1	R
7	Butterfly valve with gearbox	VALVE, BUTTERFLY	0 0SGA02/3/4 AA501, 0 0SGA11 AA501, 0 0SGA33/34/35 AA501, 0 0SGA56 AA502, 1-6 0SGA41 AA501, 0 0SGA63 AA504/507	200 NB, hand operated, butterfly valve with gearbox		Slim Wafer Type	609126	Each	1	R
8	Pressure gauge	GAUGE, PRESSURE	0 0SGA20/21 CP501/502, 0 0SGA23/24 CP501/502, 0 0SGA26/27 CP501, 0 0SGA31 CP501/2, 0 0SGA31 CP503	0-1575 kPa, bourdon tube pressure gauge	WIKA		671904	Each	1	R
9	Sulzer centrifugal pump, service kit	KIT, PUMP REPAIR	0 0SGA02/3/4 AP001	Sulzer Centrifugal Pump (model APP 31-125) comprising of impeller, shaft, seals, gaskets, and	Sulzer	APP 31-125	707283	Each	1	R

				bearings						
10	Flexible coupling	COUPLING, SPACER FLEXIBLE	0 0SGA02/3/4 AP001 -K01	Sulzer Centrifugal Pump (model APP 31-125), flexible coupling/COUPLING VS125-R FBH D42H7/D42H7 DIN6885	Sulzer		723937	Each	1	R
11	Cage induction motor	MOTOR, CAGE INDUCTION	0 0SGA02/3/4 AP001 -M01	15 kW, 1450 rpm, 400 V, 3-phase, 4 pole, IP65 protection, cage induction motor	Actom	LS4 166-4AH-M	665861	Each	1	R
12	Butterfly valve with gearbox	VALVE, BUTTERFLY	0 0SGA10 AA501/502/503, 0 0SGA30 AA501/502/504/505/506/508/510, 0 0SGA40 AA501-509, 0 0SGA41 AA501-507, 0 0SGA41 AA508, 0 0SGA50 AA501	500 NB, hand operated, butterfly valve with gearbox		Slim Wafer Type	609128	Each	1	R
13	Automatic air release valve	VALVE, VENT	0 0SGA11 AA403, 0 0SGA20/21 AA401, 0 0SGA23/24 AA401, 0 0SGA36 AA402	25 NB, air release, large orifice valve	Dynamic Fluid Control	Vent –O-Mat Series RBX	609130	Each	1	R
14	Butterfly valve with gearbox	VALVE, BUTTERFLY	0 0SGA20/21 AA501, 0 0SGA20/21 AA501, 0 0SGA20/21 AA502, 0 0SGA23/24 AA501, 0 0SGA23/24 AA501, 0 0SGA23/24 AA502	400 NB butterfly, hand operated valve with gearbox		Slim Wafer Type	670118	Each	1	R
15	SPP, split casing centrifugal pump, service	KIT, PUMP REPAIR	0 0SGA20/21 AP001, 0 0SGA23/24 AP001	SPP, horizontal split casing, 205 litres/sec, centrifugal pump comprising of impeller,	SPP		610658	Each	1	R

	kit			shaft, seals, gaskets, and bearings						
16	Diesel Fire Engine Air Cleaner	FILTER, AIR	0 0SGA20/21 AP001 MM01	Cummins, 4 cycle, in-line, 6-cylinder, engine model CFP15E-F40 Air Cleaner	CFP (Cummins)	K&N RC-3070	724840	Each	1	R
17	Diesel Fire Engine Fuel Filter	FILTER, FUEL	0 0SGA20/21 AP001 MM01	Cummins, 4 cycle, in-line, 6-cylinder, engine series CFP15E-F40 Fuel Filter	Fleet guard (Cummins)	FS1041	648131	Each	1	R
18	Diesel Fire Engine Lube Filter	FILTER, OIL	0 0SGA20/21 AP001 MM01	Cummins, 4 cycle, in-line, 6-cylinder, engine series CFP15E-F40 Lube Filter	Fleet guard (Cummins)	LF9070	648140	Each	1	R
19	Diesel Fire Engine Coolant Filter	FILTER, FLUID	0 0SGA20/21 AP001 MM01	Cummins, 4 cycle, in-line, 6-cylinder, engine series CFP15E-F40 Coolant Filter	Fleet guard (Cummins)	WF2126	648139	Litres	1	R
20	COOLANT	COOLANT	0 0SGA20/21 AP001 MM01		Fleet guard		618640	Litres	1	R
21	CMG cage induction, motor	MOTOR, CAGE INDUCTION	0 0SGA23/24 AP001 -M01	CMG, 6.6 kV, cage induction, 355 kW, HTE 400-4 induction motor	CMG		663348	Each	1	R
22	Sulzer centrifugal pump, service kit	KIT, PUMP REPAIR	0 0SGA33/34/35 AP001	Sulzer Centrifugal Pump (model APP 32-80) comprising of impeller, shaft, seals, gaskets and bearings	Sulzer	APP 32-80	725316	Each	1	R
23	Cage Induction Motor	MOTOR, CAGE INDUCTION	0 0SGA33/34/35 AP001 -M01	110 kW, 2970 rpm, 400 V, 3-phase, 2 pole, IP65 protection, cage induction motor	Actom	LS4 285-2AH	665863	Each	1	R
24	Globe valve	VALVE, GLOBE	0 0SGA33/34/35 AA201	150 NB, Electric actuated globe valve, including the solenoid	Bermad Waterworks	WW-740-Q-V (incl Burket model 330)	688362	Each	1	R
25	Butterfly valve	VALVE,	0 0SGA33/34/35	150 NB, hand operated,		Slim Wafer	670166	Each	1	R

		BUTTERFLY	AA502, 0 0SGA02/3/4 AA502	lever type butterfly valve		Type				
26	Butterfly valve	VALVE, BUTTERFLY	0 0SGA36 AA501- 506, 0 0SGA55 AA551-8, 0 0SGA56 AA501, 0 0SGA63 AA507, 0 0SGA48 AA501, 1- 6 0SGA10 AA501/502, 1-6 0SGA11 AA501	250 NB, hand operated, butterfly valve with gearbox		Slim Wafer Type	609129	Each	1	R
27	Butterfly valve	VALVE, BUTTERFLY	1-6 0SGA01 AA501	100 NB, hand operated, lever type butterfly valve		Slim Wafer Type	609127	Each	1	R
28	Butterfly valve	VALVE, BUTTERFLY	0 0SGA80 AA502/504/506 & 0 0SGA81 AA501/503/505	200 OD, hand operated, butterfly valve with gearbox		Slim Wafer Type	609126	Each	1	R
29	Fire hydrant valve	VALVE, HYDRANT	MULTIPLE	80 NB, fire hydrant, brass connection	Woodlands Fire	WTD80	644611	Each	1	R
30	Floor hydrant valve	VALVE, HYDRANT	0 0SGA64 AA541/542/544/54 6, 0 0SGA40 AA511/512/513/51 6/517/518/521/522/ 523/526/527/528/5 31/532/533/536/53 7/538/540, 0 0SGA82 AA504, 1- 6 0SGA30 AA504	50 NB, floor washing hydrant			688606	Each	1	R
31	Gate valve	VALVE, GATE	0 0SGA40 AA541, 0 0SGA48 AA502, 0 0SGA83 AA501/502, 1-6 0SGA11 AA502, 4 0SGA11 AA503, 6 0SGA11 AA503, 0 0SGA55 AA544	250 NB, hand operated, gate valve(red)	AKV	21-250-89X4	688382	Each	1	R
32	Gate valve	VALVE, GATE	0 0SGA44 AA501,	100 NB, hand operated,	AKV	21-100-89014	688480	Each	1	R

			1-6 0SGA30 AA501	gate valve(red)						
33	Gate valve	VALVE, GATE	0 0SGA46 AA501, 0 0SGA47 AA501, 0 0SGA50 AA513/514, 0 0SGA82 AA501/505/506, 0 0SGA84 AA505/506/507, 0 0SGA85 AA501, 0 0SGA86 AA501, 0 0SGA87 AA501	200 NB, hand operated, gate valve(red)	AKV	21-200-890X4	688491	Each	1	R
34	Gate valve	VALVE, GATE	1-6 0SGA30 AA505	80 NB, hand operated, gate valve	CVT		688492	Each	1	R
35	Pressure gauge	GAUGE, PRESSURE	0 0SGA02/03/04 CP501, 0 0SGA33/34/35 CP501	Bourdon tube pressure gauge, Range: -70 to 90 kPa	WIKA			Each	1	R
36	Level transmitter	TRANSMITTE R, LEVEL	0 0SGA05 CL001/2	Radar level transmitter, 4-20mA 16-36V DC input, 0-40m Range, PN16	Endress & Hauser	FMR245-ACCQKAA2A	609432	Each	1	R
37	Centrifugal pump repair kit	KIT, PUMP REPAIR	1-6 0 SGA 59/60 AP001/002/003	7 stage ,17m3/h 2919rpm self-priming	GRUNDOS	CR15-7A-FA-E HQQE (96501898)	629634	Each	1	R
38	Pressure transmitter	TRANSMITTE R, PRESSURE	1-6 0 SGA 59/60 CP001	-0.2-10 Bar 1-4.5 differential 80 degrees max temperature, male connection	JOHNSONS CONTROLS	PENN 9130	660418	Each	1	R
39	SPRINKLER	SPRINKLER	TRANSFER HOUSES	Npt ½", Brass, 68 degrees, upright 5.6K	TYCO	P/N57-570-1-155	614337	Each	1	R
40	DIAGHRAM VALVE	VALVE, DIAGHRAM	Boiler & Turbine	Water control valve DV-5, DV504FS2, FM Approved,16 Bar, size 4"	TYCO	DV5	688558	Each	1	R
41	DIAGHRAM VALVE	VALVE, DIAGHRAM	Turbine	Water control valve DV-5, DV504FS2, FM Approved,16 Bar, size 6"	TYCO	DV6	688584	Each	1	R

42	Centrifugal Pump	PUMP, CENTRIFUGAL	0 0SGA20/21 AP001,	SPP, horizontal split casing, 205 litres/sec, centrifugal pump diesel spare, impeller diameter 517 mm	SPP	300/59	648127	Each	1	R
43	Sprinkler	SPRINKLER	Aux blr (0 0SGA85)	TYCO, brass upright threaded 115K, 141 degrees upright, 1/2", TY4851	TYCO	P/N57-560-1-286	672081	Each	1	R
44	Sprinkler	SPRINKLER	Lube oil Room	TYCO, brass upright threaded 8K, 141 degrees upright, 3/4"	TYCO	P/N57-590-1-286	660413	Each	1	R
45	Sprinkler	SPRINKLER	Boiler and Turbine	TYCO, brass upright threaded 8K, 79 degrees upright, 1/2", TY3151	TYCO	P/N-57-570-1-175	580278	Each	1	R
46	Sprinkler	SPRINKLER	Seal oil	TYCO, Protect spray nozzle, natural bronze, threaded 3K, 95 degrees, open, 1/2"	TYCO	P/N-49-324-1-095	671069	Each	1	R
47	Centrifugal Pump	PUMP, CENTRIFUGAL	0 0SGA02/3/4 AP001	Sulzer Centrifugal Pump (model APP 31-125) comprising of impeller, shaft, seals, gaskets and bearings	SULZER	APP 31-125	649315	Each	1	R
48	Centrifugal Pump	PUMP, CENTRIFUGAL	0 0SGA33/34/35 AP001	Sulzer Centrifugal Pump (model APP 32-80) comprising of impeller, shaft, seals, gaskets and bearings	SULZER	APP 32-80	649314	Each	1	R
49	Diaphragm	VALVE, DIAPHRAGM	Fire pump house, Unit& Service Transformers, 10k Ton silo	INBAL FM approved valve Model 799, Max pressure 21Bar, Max temp 65 0C size 4"	Inbal	Model 799	678493	Each	1	R
50	Diaphragm	VALVE, DIAPHRAGM	6-1 5SGA30	INBAL FM approved valve Model 799, Max pressure 21Bar, Max temp 65 0C size 8"	Inbal	Model 799	678502	Each	1	R

51	Valve	VALVE, CHECK	Transfer house 8	Alarm Valve, Model J-1, 4"/DN100, PN10/P16	VIKING	9109		Each	1	R
52	Valve	VALVE, CHECK	6- 1SGA55/56AA601(GAH)	TYCO TFP MODEL AV- 1, Wet alarm valve, size 8", PN16, ISO PORT 200 NB	TYCO	PN52-203-4- 117		Each	1	R
53	Nozzle	NOZZLE	BOILER BURNERS, ICC, PDC,SDC,ICC,AU X BLR, burners, LPG, Turbine(SGA12)	Nozzle HV-26 1'BSP K40.3 Brass K factor 40.3	TYCO	P/N 49-026-1- 001	638449	Each	1	R
54	Hand pump repair kit	KIT, PUMP REPAIR	0 END 46/47 AP001	Whale Gusher Urchin Manual Bilge(diaphragm) Pump On Deck With Fixed Handle, Dual size nozzles for 25 mm (1"), mounting model: thru deck models.	Whale Gusher Urchin	AK9011 (NITRILE)	648128	Each	1	R
55	MOTOR GONG	ALARM	ACROSS SITE	MODEL WMA-1 water motor alarm hydraulically operated mechanical sprinkler alarm	TYCO	P/N 52-630-1- 001P	227533	Each	1	R
56	EXPANSION JOINT BELLOW	JOINT, EXPANSION	0 0SGA10BR001/002 MRO1	EPDM, ONE SPHERE FLANGED RUBBER EXPANSION JOINT, 500NB, 255 FACE TO FACE LENGTH, PN16, SANS1123 TABLE 1600 500 NB	BESTOP		725164	Each	1	R
57	LEVEL SWITCH	SWITCH, LEVEL	6-1 0SGA57 CL301-303	MACHTECH, MLS 3EX, EXdIICT6Gb,25W DC/VA, DOUBLE THROW,1A AC/DC, SINGLE POLE,150V AC/DC, FORM C SPDT	MACHTECH	MLS3EX	660472	Each	1	R
58	SPRINKLER	SPRINKLER	0 1/2/3 SGA 10 BP010 - BP017	79degrees Brass Upright Sprinkler K8/15mm	TYCO	PN57-560-1- 175	580278	Each	1	R

59	NOZZLE	NOZZLE	0 1/2/3 SGA10 BP022 - BP024	79 degrees, Multi Jet Control HV26/20mm	TYCO	MJCDO0060B	580279	Each	1	R
60	REGULATOR, PRESSURE	REGULATOR, PRESSURE	6- 10SGA23/30AA601 ,6- 10SGA27AA602;6- 10SGA23AA605	CLA-VAL CRD 3/8" 2.1- 11.6BAR PRESET TO 4.8BAR	CLA-VAL	7194304H	667543	Each	1	R
61	GAUGE	GAUGE	END46/47 BB001	Type: Magnetic liquid level gauge (farm gauge) Model no: F7283 Fitting: 1 1/4" Tank height: 900mm diameter; Stationary Tank, Tank pressure 0-0.68Bar Temperature range - 40degrees Celsius to 70 degrees Celsius Head: Aluminium die casting	ROCHESTER GAUGES INC	F7283	668436	Each	1	R
62	BUTTERFLY VALVE	BUTTERFLY VALVE	05 SGA01 AA503	200NB, 8"WC-8282-3- FP; N 16, F-F 59.1mm , CAST IRON , GEARBOX HANDWHEEL OPERATED, WAFER BODY	TYCO	8"WC-8282-3- FP	671919	Each	1	R
63	PRESSURE SWITCH	PRESSURE SWITCH	TRANSFER HOUSES	PS10-EXF, ELECTRICAL RATINGS 15AMPS AT 125- 250VAC 2.0AMPS AT 30VDC,PRESSURE RANGE 27-137Kpa ,PROOF PRESSURE 1724Kpa , FM approved Ex d IIb T6, IP66 , SERIAL NO 10121025	POTTER	PS10-EXF	671071	Each	1	R
64	PRESSURE SWITCH	PRESSURE SWITCH	ACROSS SITE	PS10-, 1/2" MALE NPT, 4- 8PSI,2PSI DIFFERENTIAL,300PSI MAXIMUM PRESSURE,SPDT(FOR M c),10.1A AT	POTTER	PS10-1	612815	Each	1	R

				125/250VAC 2.0A AT 30VDC 1SPDT IN PS10- 1, -40 TO 60DEGREES,IP55						
65	NOZZLE	NOZZLE	BOILER, BURNERS	Nozzle HV-17 1'BSP K40.3 Brass K factor 40.3	TYCO	P/N 49-017-1- 001	590376	Each	1	R
66	HEATER	HEATER	SGA20/21AP001 MMO1	240V HEATER ENGINE MODEL CFP15E-F40	CUMMINS	11577		Each	1	R
67	BELT	BELT	SGA20/21AP001 MMO1	BELT 3101314 ENGINE MODEL CFP15E-F40	CUMMINS	3101314		Each	1	R
68	ALTERNATOR	ALTERNATOR	SGA20/21AP001 MMO1	24V ALTERNATOR ENGINE MODEL CFP15E-F40	CUMMINS	3400698		Each	1	R
69	STARTER	STARTER	SGA20/21AP001 MMO1	24V STARTER 2871253 ENGINE MODEL CFP15E-F40	CUMMINS	5284085 (obsolete)	742478	Each	1	R
70	SOLENOID	SOLENOID	SGA20/21AP001 MMO1	12 V COOLING LOOP SOLENOID A042B123	CUMMINS	A042B123		Each	1	R
71	STRAINER	STRAINER	0 0SGA20/21 AT001/002	Y-STRAINER BSP, 32MM L=93MM, H=95MM BODY: FORGED BRASS, 16BAR, SCREEN 304S/S, TEMPERATURE 80 DEG C	VEMCO	N/A	669871	Each	1	R
72	NOZZLE	NOZZLE	BOILER, ICC	Nozzle HV-14 1'BSP K23 Brass K factor 23	TYCO	PN 49-014-1- 001	671068	Each	1	R
73	NOZZLE	NOZZLE	6-10 SGC11	PN49-324-1-095, PROTECTOSPRAY MEDIUM VELOCITY	TYCO	PN49-324-1- 095	671069	Each	1	R
74	LEVEL COLUMN	LEVEL COLUMN	6-1SGA57 CL501	L076CAA1M03036SD1A A11SF8AZB8AZF03200 A0ZZ, MAX TEMP 100F, SG MIN0.89 CAL 0.960	MAGTECH	SERIAL NO: 26124N		Each	1	R

75	BUTTERFLY VALVE	BUTTERFLY VALVE	05 SGE05 AA501	100NB, 4"WC-8282-3-FP; N 16, F-F 51.1mm , CAST IRON , GEARBOX HANDWHEEL OPERATED, WAFER BODYB	TYCO	4"WC-8282-3-FP	671917	Each	1	R
76	EXPANSION JOINT	EXPANSION JOINT	FIRE PUMPS BELLOWS	400NB BELLOW ELEMENT, MILD STEEL HOT DIPPED GALVANISED, T1600/3 FLANGES, F-F 250mm, PCD525 mm, 16X 26mm DIAMETER HOLES, ID 409.5 mm AND OD 580mm, TOP THICKNESS FOR HOLES 16mm	BELLOW WELD (PTY)Ltd			Each	1	R
77	STRAINER	STRAINER	0 0SGA89/44/92 AT001,	100NB, 16BAR,65 DEGREES, Type : Flanged Y Strainer, Standards and approvals : SANS10252-1, Flange to flange (A) distance :350mm, Blow off NPT:25mm, Weight: 26mm, Body material : C.I ASTM A126 CL. Cover: C.I ASTM A126 CL. Screen: S.S AISI 304, Gasket: PTFE/Graphite**to come fitted with standard screen opening 0.125 1/8 inch PERF	VEMCO	N/A	679766	Each	1	R
78	PUMP	PUMP	SGF88 AP001	TYPE FD6000/3-PP-S, P/N FD6000-09S1-02-090; APPROVAL FM 3029243, VDs Approval no G4080017, FLOW RATE 500-6000L/MIN, Maximum pressure 16BAR SERIAL NO	FIREDOS PUMP		687937	Each	1	R

				01050634						
79	PUMP	PUMP			FIREDOS PUMP		M-REQ-000106219	Each	1	R
80	PUMP	PUMP			FIREDOS PUMP		725385	Each	1	R
81	DIAGHRAM VALVE	VALVE, DIAGHRAM	Boiler (ICC)	Water control valve DV-5, DV504FS2, FM Approved, 16 Bar, size 8"	TYCO	DV5	688605	Each	1	R
82	VALVE	VALVE	ACROSS SITE	Hose reels stop clock valve	FIREQUIP		683597	Each	1	R
83	GAURD	GUARD, GENERIC	TURBINE SEAL OIL PIPING GALLERY	SPRINKLER GUARD TYB, TY4851, G7560, UPRIGHT, THREAD RELIEF(1/2"NPT) K=8, RED PAINTED , P/N 56-938-1-001	TYCO		683603	Each	1	R
84	VALVE, BALL	BALL, VALVE	6-10SGC11AA412-415 ,6-10SGC12AA412-415, /6-10SGC21AA412-415/6-10SGC21AA521-537, 60SGE11AA411 &6-10SGE11AA413,60SGE11AA506, 6-10SGE12AA411/6-10SGE12AA412 6-10SGE12AA414 6-10SGE12AA507	50 NB, BRASS, F/F 123mm LOCKABLE HANDLE VALVE, PN16, 2" BSP	TYCO	1610LD600	692549	Each	1	R
85	GAUGE, PRESSURE	PRESSURE, GAUGE	ALL SPRINKLER SYSTEM VALVE STATIONS	Gauge Range 0-21 Kg/cm2, gauge range 0-300 PSI, SHIELD MAKE, MODEL SD-P2, BORDON TUBE, 1/4" BSPT MALE, DIAL SIZE	SHIELD		684834	Each	1	R

				100mm, BORDON TUBE AND MOVEMENT MONEL, POLISHED STAINLESS STEEL CASE, HARDENED GLASS WINDOW, ±2 % on FSD ACCURACY, UL 393, NFPA-13/Class 2311, NFPA-13						
86	METER, FLOW	METER, FLOW	ACC SUBSTATIONS	INLINE, FSD FIRE, ASIB STANDARD APPROVED, 100NB, FLANGE CONNECTED SABS1600/3, CAST ALUMINIMUM, STAINLESS STEEL ORIFICE PLATE, DIRECT FLOW, F-F 300mm, GLYCERIN FLOW, MEASUREMENT IN L/S,	FSD			Each	1	R
87	SPRINKLER	SPRINKLER	6-1SGC21 (TURBINE BEARING)	FRAME STYLE SPRAY NOZZLES, 93 DEGREES,90 DEGREE PATTERN ½" NPT, 15MM BSP, K FACTOR 40.3, 65.1mm length, BRASS (green bulb)	VIKING	16957	687645	Each	1	R
88	GATE VALVE	VALVE, GATE	BOILER WET RISER	80 NB TYCO, OUTSIDE SCREW AND YOKE, TJRX0800001 ISO 7005- 2,PCD152.5mm, FLANGED,HANDWHEEL OPERATED,P16,ASTM A536 65-4512 BODY MATERIAL,203mm FACE TO FACE,uL uCL fm approved	TYCO	TYCO OSY	687649	Each	1	R
89	GATE VALVE	VALVE, GATE	Floor washing valve	50 NB , BRASS, HANDWHEEL	TYCO	R55	688606	Each	1	R

				OPERATED,						
90	METER, FLOW	METER FLOW	6-10SGA61 CF501	MEISTREAM DN 100 50 DEGREES PN16, 250F/F, CAST IRON	MEISTREAM	50401 EML1E B1A1X	692429	Each	1	R
91	VALVE, SOLENIOD	VALVE, SOLENIOD	0 0SGA33/34/35 AA201	3 WAY SOLENIOD, DIRECT ACTING WITH ISOLATING MEMBRANE, BODY BRASS, ELASTOMERS NBR, ENCLOSURE MOLDED EPOXY, ¼" NPT PORT, ENCLOSURE TYPE ONE PIECE MOULDED EPOXY, IP65 WITH DIN, CABLE PLUG, MAX TEMP 90DEGREES, 0.47 KG	BURKERT	BURKEERT 330 SERIES	722924	Each	1	R
92	SPRINKLER	SPRINKLER	Seal oil piping	TY3151,141 DEGREES, ½ NPT, UPRIGHT ,5.6 K	TYCO	PN57-570-1- 286	724971	Each	1	R
93	CLAMP	CLAMP	VARIOUS	M10 Mupro holder back clamp, two piece embossed, 25-30MM clamping range			704782	Each	1	R
94	ROD	ROD	VARIOUS	M10 GALVANISED MILD STEEL, THREADED, 1M LONG			704784	Each	1	R
95	VALVE	VALVE	VARIOUS	Dv5 automatic shut off valve, MODEL ASV-1, BRASS BODY, FM APPROVED, UI, CUL LISTED, 17.2 BAR MAXIMUM PRESSURE, UNS C36000, NYLON FABRIC REINFORCED NATURAL RUBBER DIAPHRAGM		P/N92-343-1- 021	704833	Each	1	R
96	VALVE	VALVE, BALL	VARIOUS	Automatic drain valve,	TYCO	P/N 52-793-3-	704835	Each	1	R

				Model AD-1, ½' NPT, COMPLETE ASSEMBLY WITH ½' NIPPLE, BRASS INLET PART NUMBER 52-793-3-004		004				
97	PRESSURE REDUCING VALVE	PRESSURE REDUCING VALVE	VARIOUS	TYCO MODEL AMD-1 AIR MAINTENANCE DEVICE, PRESSURE REDUCING DEVICE	TYCO	P/N 52-324-2-002	722846	Each	1	R
98	BALL VALVE	BALL VALVE	VARIOUS	25 NB, BRASS, F/F 82mm LOCKABLE HANDLE VALVE, PN16, 1" BSP	TYCO		704840	Each	1	R
99	DIAPHRAGM	DIAPHRAGM	VARIOUS	DN150 FOR DV5 DELUGE VALVE	TYCO	92-477-1-111	722954	Each	1	R
100	VALVE, CHECK	VALVE, CHECK	COAL PLANT	TYCO TFP MODEL AV-1, Wet alarm valve, size 6", PN16, ISO PORT 150 NB	TYCO	TFP MODEL AV-1	724530	Each	1	R
101	NOZZLE	NOZZLE	FIRE HOSEREELS AND FLOOR WASHING POINTS	25NB Fire hose reel and floor washing nozzle, red nylon plastic, threaded connection	SAFEQIP		704886	Each	1	R
102	CLAMP	CLAMP	FLOOR WASHING POINTS	25 mm HOSE OETIKER CLAMP			704782	Each	1	R
103	CLAMP	CLAMP	FLOOR WASHING POINTS	32 MM HOSE CLAMP, CLAMP RANGE 32-37mm, OET			724371	Each	1	R
104	SPRINKLER	SPRINKLER	TLO AREA	Tyco TY3251 sprinkler heads, Standard response, Pendent, 5.6 K Imperial -factor, 141°C	TYCO	PN57-571-1-286	724194	Each	1	R
105	SPRINKLER	SPRINKLER	TLO AREA	Tyco TY325 sprinkler heads, Standard response, Pendent, 5.6 K-factor Imperial, 141°C	TYCO	PN77-571-1-286	724193	Each	1	R

106	MODULE	MODULE	Fire Pump Activation System	EQ3730EDIO, ANS/NFPA71:2010, EHNANCED 8 CHANNEL Discrete Eagle Quantum Premier	Detronics	007609-078	664259	Each	1	R
107	MODULE	MODULE	SGA57 GH001	8 channel, discrete I/O module, No SIL rating/EQ3730DW	Detronics	009174-003	609288	Each	1	R
108	BEARING, THRUST & RADIAL	BEARING	0 0SGA20/21/23/24A P001	DEEP GROOVE BALL, 6218 THRUST BEARING REFERENCE, GREASE-TEXACO REGAL STARFAK PREMUIM 3, 80 DEEGREES C, 5000 HOURS B10 BEARING LIFE			239667	Each	1	R
109	GLAND PACKING	GLAND PACKING	0 0SGA20/21/23/24A P001	Soft packed, 120 degree maximum temperature, 5 bar(g), PTFE Reinforced and braided, 5 packing rings and 120mm shaft sleeve diameter, 12mmx12mm			722923	Each	1	R
110	UNION PIPE	UNION PIPE	HYDRANTS	80NB, FEMALE THREADED ISO-7-1 Rp, material spec ISO5922, SOCKET FOR HYDRANT VALVE CONNECTION			722920	Each	1	R
111	PIPE	PIPE	HYDRANTS	80 NB, GALVANISED,	N/A		722957	Each	1	R
112	DIAPRAGM	DIAPRAGM	VARIOUS	100NB DV5 DELUGE VALVE repair kit	TYCO	92-477-1-101	722956	Each	1	R
113	DIAPRAGM	DIAPRAGM	VARIOUS	200NB DV5 DELUGE VALVE repair kit	TYCO	92-477-1-111	724192	Each	1	R
114	COUPLING	COUPLING	SGA20/21 AP001/SGA23/24	TYRE COUPING FOR PUMP SHAFT	FENNER		618646	Each	1	R

			AP001							
115	Centrifugal Pump	PUMP, CENTRIFUGAL	0 0SGA23/24 AP001	SPP, horizontal split casing, 205 litres/sec, centrifugal pump, IMPELLER DIA 510 mm electrical spare	SPP	300/59	724550	Each	1	R
116	PLUG	PLUG	Detection line	½ INCH THREADED SQUARE HEAD GALVANISED CARBON STEEL			724972	Each	1	R
117	PLUG	PLUG	Hydrants	Carbon steel 80 NB threaded plug				Each	1	R
118	DELUGE VALVE	DELUGE VALVE	SGC21	TYCO DP-1 DRY PILOT ACTUATOR	TYCO	P/N 52-280-1-001.	724355	Each	1	R
119	PIPE	PIPE	UNDERGROUND PIPING	250 NB PVC-M 6 M			729972	Each	1	R
120	VALVE, KIT	VALVE, KIT	SGC55/56	200NB AV1 VALVE KIT HANDHOLE COVER GASKET AND CLAPPER FACING		P/N92-200-1-816	721960	Each	1	R
121	VALVE, KIT	VALVE, KIT	SGC55/56	200NB AV1 VALVE KIT CLAPPER. CLAPPER FACING, CLAPPER WASHER, LOCK NUT, CLAPPER HINGE PIN, CLAPPER HING PIN BUSHING, CLAPPER SPRING		P/N92-200-1-823	721961	Each	1	R
122	VALVE, KIT	VALVE, KIT	SGC68	150NB AV-1 VALVE KIT HANDHOLE COVER GASKET AND CLAPPER FACING	TYCO	92-200-1-620	722709	Each	1	R
123	VALVE, KIT	VALVE, KIT	SGC69	150 AV-1 VALVE KIT CLAPPER. CLAPPER FACING, CLAPPER WASHER, LOCK NUT, CLAPPER HINGE PIN,	TYCO	92-200-1-623	722710	Each	1	R

				CLAPPER HING PIN BUSHING, CLAPPER SPRING						
124	ELBOW, PIPE	ELBOW, PIPE	VARIOUS	1", GALVENISED STEEL, MALE TO MALE 90 DGREE ELBOW			722713	Each	1	R
125	ELBOW, PIPE	ELBOW, PIPE	VARIOUS	1 1/4", GALVENISED STEEL, MALE TO MALE 90 DGREE ELBOW			722711	Each	1	R
126	PIPE	PIPE	VARIOUS	½ in pipe galvanised, 1 m length			724043	Each	1	R
127	T PIECE	T PIECE	VARIOUS	2IN T PIECE WITH ½ OUTLET GALVANISED			724018	Each	1	R
128	T PIECE	T PIECE	VARIOUS	½ IN T PIECE GALVANISED			724044	Each	1	R
129	UNION	UNION	VARIOUS	½ IN UNION GALVANISED			724040	Each	1	R
130	UNION	UNION	VARIOUS	¾ INCH UNION GALVANISED			724073	Each	1	R
131	COUPLING	COUPLING	SGA33/34/35 AP001	VIVA VSELOSTOMERIC, steel coated, D42H7/D65H7, COUPLING VS190-R- FBH D42H7/D65H7, COMPATIBLE WITH SULZER APP 32-80 PUMP, DIN6885	VIVA VSELOSTOM ERIC	VS190-R-FBH	724072	Each	1	R
132	FLEXIBLE HOSE	FLEXIBLE HOSE	SGA20/21 AP001- MO1	HUMP HOSE on air lines for diesel engine	Cummins	4330737	724339	Each	1	R
133	CLAMP	CLAMP	SGA20/21 AP001- MO1	CLAMP FOR HUMP HOSE, spring loaded, range 4"-4.033"	Cummins	3926704	724540	Each	1	R
134	SPRINKLER	SPRINKLER	SY2A&B	TY3251 PENDAMNT 5.6K,1/2 IN NPT ,79 DEGREES, NATURAL		P/N 57-571-1- 175	725162	Each	1	R

				BRASS						
135	HOSE	HOSE	SGA20/21 AP001-MO1	DAYCO 78150GL SILICONE HOSE, 1.5in DIA, Gold Label Heavy-Duty Straight Radiator Hoses,			725476	Each	1	R
136	COUPLING, PIPE	COUPLING, PIPE	VARIOUS UNDERGROUND PIPING	COUPLING RANGE 227-252mm CLASS16, BOTH ENDS SPIGOT WITH INTERGRAL SOCKET AND RUBBER RING SEAL, SANS966-1		CASCADE	732200	Each	1	R
137	COUPLING, PIPE	COUPLING, PIPE	VARIOUS UNDERGROUND PIPING	COUPLING RANGE 300-500mm CLASS16, VICTOULIC COUPLING, COMMERCIAL GRADE, SANS966-1				Each	1	R
138	TAPE, SEALING	TAPE, SEALING	VARIOUS UNDERGROUND PIPING	DENSO TAPE, 30M X 150MM WIDTH, BLACK	DENSO		728865	Each	1	R
139	PASTE	PASTE	VARIOUS UNDERGROUND PIPING		DENSO		728862	Each	1	R
140	VALVE, Diaphragm	VALVE, Diaphragm	SGA84 AA651	SERIES 800 D, MODEL 811 D, SIZE 50NB, THREADED NPT, GRADE A 25 BAR MAX,	INBAL		730519	Each	1	R
141	VALVE, Diaphragm	VALVE, Diaphragm	SGC21 AA616	TYCO FSV-1 Fail-Safe-Valve	TYCO	52-343-1-001	731331	Each	1	R
142	PIPE	PIPE	VARIOUS	HDPE RARE PLASTICS, PE100, PN16, ISO4427, SDR11,355X32.2mm			731798	Each	1	R
143	BEARING	BEARING	SGA20/21/23/24 AP001	Angular contact ball bearing, 7218BW	SKF	7218 BW	738187	Each	1	R
144	VALVE, KIT	VALVE, KIT	SGA61 AA601	TYCO PRV-1, flanged connection, 4" 16 Bar,	TYCO	PRV-1	747482	Each	1	R

				/Kit comprising of diaphragm, pilot valve, water pressure gauge x 2, strainer, pressure sensor insert, tubing and fitting kit, needle valve						
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PLEASE NOTE: Quantities are Provisional & The Contract Period in 60 Months

PART 3: SCOPE OF WORK

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C3.2	Supplier's Goods Information	
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C3.1: *PURCHASER'S* GOODS INFORMATION

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1 Overview and purpose of the goods and services

The Fire Water and Floor Washing Supply System is an essential part of the Power Station as it is there to ensure that, in the event of fire, it will contain the fire and prevent it from causing extreme damage and/or any kind of safety risk. This document contains the scope of work for spares supply of the various components of the Fire Water and Floor Washing Supply System necessary for the proper maintenance of the respective system. The scope also aims to ensure maximum availability of the system by ensuring the spares stock levels are maintained.

It covers Mechanical, Electrical, Control and Instrumentation as well as any consumables that will ensure the system remain available for its intended purpose.

2 Specification and description of the goods

The scope for the supply of spares shall be in accordance but not limited to

- All spares as stated in BOM.
- All pipes and fittings on the supply and distribution of the Fire Water and Floor Washing system.
- Mechanical, Electrical, Control and Instrumentation as well as consumables that are used on the Fire Water and Floor Washing System
- All components with KKS SG excluding SGY.

2.1 Spares Supply

1. The description of the spares and the quantities that the *Purchaser* envisages for the duration of the contract shall be taken as the maximum amount of each as stated in table below. This value will be used with other estimates to determine the overall contract value. It should be noted that this is just an estimate, and it does not mean that the *Purchaser* will definitely consume the spares in the duration of the contract. These quantities are therefore not fixed, and the *Supplier* will only supply spares when instructed by a purchase order, from the *Purchaser*, to do so.
2. Spares that are not included in the list will be supplied as part of the "Miscellaneous spares not specified" portion.
3. The spares and components will be supplied to the "goods received" section of the Medupi main store where it will be received by the material management section. The spares will be delivered with all the required data books and certificates, where required.
4. A draft QCP shall be submitted (at least 2 weeks prior to starting any work) withhold and witness points specified, for review by Engineering prior to manufacturing or procurement.
5. The *Purchaser* shall be given sufficient notice by the *Supplier* of any witness and hold points identified for adherence in the QCP. These points may be waived (in writing) by the *Purchaser* from time to time depending on technical staff availability.
6. Only once the spares have passed the Quality Control checks and are booked into the system can payment be affected.
7. Hardcopies as well as electronic copies of the manufacturing Data Books shall be supplied to the *Purchaser* with or before the delivery of any spare. This Data Book will be used during on site Quality Control checks to confirm correctness of spare/component delivered.
8. The manufacturing Data Book shall contain as a minimum, but shall not be limited to, approved quality control plan, material certificates, test reports, material catalogue, non-destructive testing reports/certificates.
9. The Spares shall comply as specified. This includes all aspects such as design, materials and material specifications, manufacturing, including manufacturing processes, calibration certificates and acceptance testing. Where spares offered deviate from the original in any respect, it should be indicated to the *Purchaser* upon quotation/query.
10. It is the *Supplier's* responsibility to ensure that correct spares are delivered. If the incorrect spares are delivered, the spares will have to be replaced with the correct spares at the *Supplier* cost. This includes transport and delivery.
11. The Delivery and Transport Costs must be included in the quotation.
12. The following packaging requirements should be adhered to:
 - a) The *goods* are to be packaged in such a manner that it can be transported and stored for an extended period of time without resulting in damage to the *goods*.

- b) This includes damage due to moisture ingress, corrosion, dust and/or vibrations.
- c) Where lifting gear is utilised to move the *goods*, the packaging should allow the lifting operation and ensure that the *goods* are not damaged in any way during the process.
- d) It will also not be necessary to open packaging for any lifting or transport operation.
- e) Where eye bolts are fitted to move the *goods*, these eye bolts should be fitted such a way that they can be easily removed and replaced with the *Purchasers'* eye bolts, ensuring that the packaging stays intact.
- f) Packaging and labelling of the components should ensure that the spare can be identified without opening the packaging.
- g) Delivery packaging to have the following detail on it as a minimum (removable adhesive sticker if possible):
 - i. Order number,
 - ii. A short description of component
 - iii. The stock numbers.
 - iv. Manufacturing date
 - v. Space for adding the installation date.
- h) The documentation for preservation requirements should be delivered with the *goods*.
- i) Where lifting may only be conducted from predetermined positions, these positions will be clearly marked and identified.

2.2 Obsolescence

1. All spares shall be supplied in accordance the specifications as detailed.
2. Any components that are deemed to be obsolete shall be replaced with an equivalent spare as recommended by the OEM on condition that:
 - The OEM of the product deems the component obsolete in writing. Local distributors are to obtain written communications with the OEM stating such to be in effect.
 - An equivalent of the component from the OEM for the components detailing any retrofitting that will be required with the new spare.
 - Full technical datasheet of the component that has been superseded.
 - Full technical datasheet of the component that supersedes the obsolete part.
3. No equivalent spare shall be accepted if the above bullets are not adhered to.

2.3 Alternatives

1. No technical deviations or alternatives to the technical specifications shall be permitted.
2. In the case of obsolescence, the *Supplier* shall follow 2.2 as stated above.
3. In instances where 2.2 does not apply the *Supplier* shall:
 - Engage the *Purchaser* with the alternative proposal.
 - The proposal shall include the datasheet of the item.
 - Prior to purchase and/ or delivery of the alternative, the deviation shall be approved.
4. Any deviation to the above stated shall not be accepted.

2.4 Fabrication

1. All components that are to be fabricated shall be in accordance with the specifications provided.
2. The *Supplier* shall come to site to do measurements of the items that require fabrication.
3. The *Supplier* shall provide drawings that will be approved by the *Purchaser* prior to the fabrication of any components.
4. The *Supplier* shall provide all testing certificates as required.
5. Any technical deviations shall be addressed as per 2.1 & 2.3 above.

2.5 Miscellaneous spares

1. Miscellaneous spares such as pipes, pipe supports, (miter) bends, clamps, gaskets, flanges, fittings such as nipples/weldolets / thriolets/others, consumables, leak sealing devices and wraps, soft kits, engine consumables, FPAS.

2.6 Warranty

1. All components shall carry a 24-month warrantee from date of delivery.
2. All components shall carry a further 12-month warrantee after installation (which shall not shorten the warranty after delivery), coupling alignment as well as drive vibration reports will be available and used as baseline for spare/component installation.
3. Any specific requirements to enable the 12-month warrantee shall be brought forward by the *Supplier* for agreement during negotiations. If witnessing of installation is required, this will be at the *Supplier's* own cost.
4. The warranty shall cover, but not be limited to, minor defects identified, for example: shaft oil seal leakages, minor oil leaks, cooling fan, safety guard or breather related issues, etc.
5. Defective spares under warranty shall be replaced within two (2) months by the *Supplier*.

3 Supply Requirements

The Works Information specifies the required spares, quantities of spares to be supplied by the Supplier/OEM and conditions for acceptance. The spares and quantities to be supplied are stated on the table below.

The following are *supplier's* requirements:

- a) The spares and components will be supplied to the "goods received" section of the Medupi main store where they will be received by the material management section. The spares will be delivered with all of the required data books and certificates, where required.

Medupi Stores Working Times: Monday – Thursdays: 07h00 – 16h00

Fridays: 07H00 – 12h00

Table 1: Bill of Material

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
Ball valve	VALVE, BALL	0 OSGA01 AA301, 0 OSGA02/3/4 AA301/302, 0 OSGA11 AA301, 0 OSGA20/21 AA301/302, 0 OSGA23/24 AA301/302/303, 0 OSGA26/27 AA301, 0 OSGA33/34/35 AA301/302	15 NB, lever type, ball valve	KI	½ CF8M 1000WOG	574438
Pressure transmitter	TRANSMITTER, PRESSURE	0 OSGA01 CP001	Pressure indicator transmitter	Endress & Hauser	PMP 71-ABA1HB1 GAAAA	609484
Pressure transmitter	TRANSMITTER, PRESSURE	0 OSGA02/03/04/11 CP001	Pressure indicator transmitter	Endress & Hauser	PMP 71-ABA1MB1 GAAAA	609483
Pressure transmitter	TRANSMITTER, PRESSURE	0 OSGA33/34/35 CP001	Pressure indicator transmitter	Endress & Hauser	PMP 71-ABA1SB1 GAAAA	609482

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
Gate valve	VALVE, GATE	0 0SGA01 AA401/404, 0 0SGA01 AA410/411, 0 0SGA02/3/4 AA401/402, 0 0SGA05 AA401/402/403/404, 0 0SGA11 AA401/402/404, 0 0SGA20/21 AA402, 0 0SGA23/24 AA402, 0 0SGA33/34/35 AA401/402, 0 0SGA36 AA401/403-408	25 NB, hand operated, gate valve	CVT	Bonney Forge	667454
Butterfly valve with gearbox	VALVE, BUTTERFLY	0 0SGA01 AA501/2/3, 0 0SGA05 AA501/502, 0 0SGA12 AA401/402, 0 0SGA13 AA501/502, 1-6 0SGA20 AA501	300 NB, hand operated, butterfly valve with gearbox		Slim Wafer Type	724849
Butterfly valve with gearbox	VALVE, BUTTERFLY	0 0SGA02/3/4 AA501, 0 0SGA11 AA501, 0 0SGA33/34/35 AA501, 0 0SGA56 AA502, 1-6 0SGA41 AA501, 0 0SGA63 AA504/507	200 NB, hand operated, butterfly valve with gearbox		Slim Wafer Type	609126
Pressure gauge	GAUGE, PRESSURE	0 0SGA20/21 CP501/502, 0 0SGA23/24 CP501/502, 0 0SGA26/27 CP501, 0 0SGA31 CP501/2, 0 0SGA31 CP503	0-1575 kPa, bourdon tube pressure gauge	WIKA		671904
Sulzer centrifugal pump, service kit	KIT, PUMP REPAIR	0 0SGA02/3/4 AP001	Sulzer Centrifugal Pump (model APP 31-125) comprising of impeller, shaft, seals, gaskets, and bearings	Sulzer	APP 31-125	707283
Flexible coupling	COUPLING, SPACER FLEXIBLE	0 0SGA02/3/4 AP001 -K01	Sulzer Centrifugal Pump (model APP 31-125), flexible coupling/COUPLING VS125-R FBH D42H7/D42H7 DIN6885	Sulzer		723937
Cage induction motor	MOTOR, CAGE INDUCTION	0 0SGA02/3/4 AP001 -M01	15 kW, 1450 rpm, 400 V, 3-phase, 4 pole, IP65 protection, cage induction motor	Actom	LS4 166-4AH-M	665861
Butterfly valve with gearbox	VALVE, BUTTERFLY	0 0SGA10 AA501/502/503, 0 0SGA30 AA501/502/504/505/506/508/510, 0 0SGA40 AA501-509, 0 0SGA41 AA501-507, 0 0SGA41 AA508, 0 0SGA50 AA501	500 NB, hand operated, butterfly valve with gearbox		Slim Wafer Type	609128
Automatic air release valve	VALVE, VENT	0 0SGA11 AA403, 0 0SGA20/21 AA401, 0 0SGA23/24 AA401, 0 0SGA36 AA402	25 NB, air release, large orifice valve	Dynamic Fluid Control	Vent –O-Mat Series RBX	609130
Butterfly valve with gearbox	VALVE, BUTTERFLY	0 0SGA20/21 AA501, 0 0SGA20/21 AA501, 0 0SGA20/21 AA502, 0 0SGA23/24 AA501, 0 0SGA23/24 AA501, 0 0SGA23/24 AA502	400 NB butterfly, hand operated valve with gearbox		Slim Wafer Type	670118
SPP, split casing centrifugal pump, service kit	KIT, PUMP REPAIR	0 0SGA20/21 AP001, 0 0SGA23/24 AP001	SPP, horizontal split casing, 205 litres/sec, centrifugal pump comprising of impeller, shaft, seals, gaskets, and bearings	SPP		610658
Diesel Fire Engine Air Cleaner	FILTER, AIR	0 0SGA20/21 AP001 MM01	Cummins, 4 cycle, in-line, 6-cylinder, engine model CFP15E-F40 Air Cleaner	CFP (Cummins)	K&N RC-3070	724840

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
Diesel Fire Engine Fuel Filter	FILTER, FUEL	0 0SGA20/21 AP001 MM01	Cummins, 4 cycle, in-line, 6-cylinder, engine series CFP15E-F40 Fuel Filter	Fleet guard (Cummins)	FS1041	648131
Diesel Fire Engine Lube Filter	FILTER, OIL	0 0SGA20/21 AP001 MM01	Cummins, 4 cycle, in-line, 6-cylinder, engine series CFP15E-F40 Lube Filter	Fleet guard (Cummins)	LF9070	648140
Diesel Fire Engine Coolant Filter	FILTER, FLUID	0 0SGA20/21 AP001 MM01	Cummins, 4 cycle, in-line, 6-cylinder, engine series CFP15E-F40 Coolant Filter	Fleet guard (Cummins)	WF2126	648139
COOLANT	COOLANT	0 0SGA20/21 AP001 MM01		Fleet guard		618640
CMG cage induction, motor	MOTOR, CAGE INDUCTION	0 0SGA23/24 AP001 -M01	CMG, 6.6 kV, cage induction, 355 kW, HTE 400-4 induction motor	CMG		663348
Sulzer centrifugal pump, service kit	KIT, PUMP REPAIR	0 0SGA33/34/35 AP001	Sulzer Centrifugal Pump (model APP 32-80) comprising of impeller, shaft, seals, gaskets and bearings	Sulzer	APP 32-80	725316
Cage Induction Motor	MOTOR, CAGE INDUCTION	0 0SGA33/34/35 AP001 -M01	110 kW, 2970 rpm, 400 V, 3-phase, 2 pole, IP65 protection, cage induction motor	Actom	LS4 285-2AH	665863
Globe valve	VALVE, GLOBE	0 0SGA33/34/35 AA201	150 NB, Electric actuated globe valve, including the solenoid	Bermad Waterworks	WW-740-Q-V (incl Burket model 330)	688362
Butterfly valve	VALVE, BUTTERFLY	0 0SGA33/34/35 AA502, 0 0SGA02/3/4 AA502	150 NB, hand operated, lever type butterfly valve		Slim Wafer Type	670166
Butterfly valve	VALVE, BUTTERFLY	0 0SGA36 AA501-506, 0 0SGA55 AA551-8, 0 0SGA56 AA501, 0 0SGA63 AA507, 0 0SGA48 AA501, 1-6 0SGA10 AA501/502, 1-6 0SGA11 AA501	250 NB, hand operated, butterfly valve with gearbox		Slim Wafer Type	609129
Butterfly valve	VALVE, BUTTERFLY	1-6 0SGA01 AA501	100 NB, hand operated, lever type butterfly valve		Slim Wafer Type	609127
Butterfly valve	VALVE, BUTTERFLY	0 0SGA80 AA502/504/506 & 0 0SGA81 AA501/503/505	200 OD, hand operated, butterfly valve with gearbox		Slim Wafer Type	609126
Fire hydrant valve	VALVE, HYDRANT	MULTIPLE	80 NB, fire hydrant, brass connection	Woodlands Fire	WTD80	644611

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
Floor hydrant valve	VALVE, HYDRANT	0 0SGA64 AA541/542/544/546, 0 0SGA40 AA511/512/513/516/517/518/521/522/523/526/527/528/531/532/533/536/537/538/540, 0 0SGA82 AA504, 1-6 0SGA30 AA504	50 NB, floor washing hydrant			688606
Gate valve	VALVE, GATE	0 0SGA40 AA541, 0 0SGA48 AA502, 0 0SGA83 AA501/502, 1-6 0SGA11 AA502, 4 0SGA11 AA503, 6 0SGA11 AA503, 0 0SGA55 AA544	250 NB, hand operated, gate valve(red)	AKV	21-250-89X4	688382
Gate valve	VALVE, GATE	0 0SGA44 AA501, 1-6 0SGA30 AA501	100 NB, hand operated, gate valve(red)	AKV	21-100-89014	688480
Gate valve	VALVE, GATE	0 0SGA46 AA501, 0 0SGA47 AA501, 0 0SGA50 AA513/514, 0 0SGA82 AA501/505/506, 0 0SGA84 AA505/506/507, 0 0SGA85 AA501, 0 0SGA86 AA501, 0 0SGA87 AA501	200 NB, hand operated, gate valve(red)	AKV	21-200-890X4	688491
Gate valve	VALVE, GATE	1-6 0SGA30 AA505	80 NB, hand operated, gate valve	CVT	-	688492
Pressure gauge	GAUGE, PRESSURE	0 0SGA02/03/04 CP501, 0 0SGA33/34/35 CP501	Bourdon tube pressure gauge, Range: -70 to 90 kPa	WIKA	-	
Level transmitter	TRANSMITTER, LEVEL	0 0SGA05 CL001/2	Radar level transmitter, 4-20mA 16-36V DC input, 0-40m Range, PN16	Endress & Hauser	FMR245-ACCQKA A2A	609432
Centrifugal pump repair kit	KIT, PUMP REPAIR	1-6 0 SGA 59/60 AP001/002/003	7 stage ,17m3/h 2919rpm self-priming	GRUND OS	CR15-7A-FA-E HQQE (96501898)	629634
Pressure transmitter	TRANSMITTER, PRESSURE	1-6 0 SGA 59/60 CP001	-0.2-10 Bar 1-4.5 differential 80 degrees max temperature, male connection	JOHNS ONS CONTR OLS	PENN 9130	660418
SPRINKLER	SPRINKLER	TRANSFER HOUSES	Npt 1/2", Brass, 68 degrees, upright 5.6K	TYCO	P/N57-570-1-155	614337
DIAGHRAM VALVE	VALVE, DIAGHRAM	Boiler & Turbine	Water control valve DV-5, DV504FS2, FM Approved,16 Bar, size 4"	TYCO	DV5	688558
DIAGHRAM VALVE	VALVE, DIAGHRAM	Turbine	Water control valve DV-5, DV504FS2, FM Approved,16 Bar, size 6"	TYCO	DV5	688584
Centrifugal Pump	PUMP, CENTRIFUGAL	0 0SGA20/21 AP001,	SPP, horizontal split casing, 205 litres/sec, centrifugal pump diesel spare, impeller diameter 517 mm	SPP	300/59	648127
Sprinkler	SPRINKLER	Aux blr (0 0SGA85)	TYCO, brass upright threaded 115K, 141 degrees upright, 1/2", TY4851	TYCO	P/N57-560-1-286	672081

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
Sprinkler	SPRINKLER	Lube oil Room	TYCO, brass upright threaded 8K, 141 degrees upright, 3/4"	TYCO	P/N57-590-1-286	660413
Sprinkler	SPRINKLER	Boiler and Turbine	TYCO, brass upright threaded 8K, 79 degrees upright, 1/2", TY3151	TYCO	P/N-57-570-1-175	580278
Sprinkler	SPRINKLER	Seal oil	TYCO, Protect spray nozzle, natural bronze, threaded 3K, 95 degrees, open, 1/2"	TYCO	P/N-49-324-1-095	671069
Centrifugal Pump	PUMP, CENTRIFUGAL	0 0SGA02/3/4 AP001	Sulzer Centrifugal Pump (model APP 31-125) comprising of impeller, shaft, seals, gaskets and bearings	SULZER	APP 31-125	649315
Centrifugal Pump	PUMP, CENTRIFUGAL	0 0SGA33/34/35 AP001	Sulzer Centrifugal Pump (model APP 32-80) comprising of impeller, shaft, seals, gaskets and bearings	Sulzer	APP 32-80	649314
Diaphragm	VALVE, DIAPHRAGM	Fire pump house , Unit& Service Transformers , 10k Ton silo	INBAL FM approved valve Model 799, Max pressure 21Bar, Max temp 65 0C size 4"	Inbal	Model 799	678493
Diaphragm	VALVE, DIAPHRAGM	6-1 5SGA30	INBAL FM approved valve Model 799, Max pressure 21Bar, Max temp 65 0C size 8"	Inbal	Model 799	678502
Valve	VALVE, CHECK	Transfer house 8	Alarm Valve, Model J-1 , 4"/DN100,PN10/P16	VIKING	9109	
Valve	VALVE, CHECK	6-1SGA55/56AA601(GAH)	TYCO TFP MODEL AV-1, Wet alarm valve, size 8", PN16, ISO PORT 200 NB	TYCO	PN52-203-4-117	
Nozzle	NOZZLE	BOILER BURNERS, ICC, PDC,SDC,ICC,AUX BLR, burners, LPG, Turbine(SGA12)	Nozzle HV-26 1'BSP K40.3 Brass K factor 40.3	TYCO	P/N 49-026-1-001	638449
Hand pump repair kit	KIT, PUMP REPAIR	0 END 46/47 AP001	Whale Gusher Urchin Manual Bilge(diaphragm) Pump On Deck With Fixed Handle, Dual size nozzles for 25 mm (1"), mounting model: thru deck models.	Whale Gusher Urchin	AK9011 (NITRILE)	648128
MOTOR GONG	ALARM	ACROSS SITE	MODEL WMA-1 water motor alarm hydraulically operated mechanical sprinkler alarm	TYCO	P/N 52-630-1-001P	227533
EXPANSION JOINT BELLOW	JOINT, EXPANSION	0 0SGA10BR001/002 MRO1	EPDM, ONE SPHERE FLANGED RUBBER EXPANSION JOINT, 500NB, 255 FACE TO FACE LENGTH, PN16, SANS1123 TABLE 1600 500 NB	BESTOP	-	725164
LEVEL SWITCH	SWITCH,LEVEL	6-1 0SGA57 CL301-303	MACHTECH, MLS 3EX,EXdIICT6Gb,25W DC/VA,DOUBLE THROW,1A AC/DC,SINGLE POLE,150V AC/DC,FORM C SPDT	MACHTECH	MLS3EX	660472
SPRINKLER	SPRINKLER	0 1/2/3 SGA 10 BP010 - BP017	79degrees Brass Upright Sprinkler K8/15mm	TYCO	PN57-560-1-175	580278
NOZZLE	NOZZLE	0 1/2/3 SGA10 BP022 - BP024	79 degrees, Multi Jet Control HV26/20mm	TYCO	MJCDO00 60B	580279

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
REGULATOR, PRESSURE	REGULATOR, PRESSURE	6-10SGA23/30AA601,6-10SGA27AA602;6-10SGA23AA605	CLA-VAL CRD 3/8" 2.1-11.6BAR PRESET TO 4.8BAR	CLA-VAL	7194304H	667543
GAUGE	GAUGE	END46/47 BB001	Type : Magnetic liquid level gauge (farm gauge) Model no: F7283 Fitting : 1 1/4" Tank height: 900mm diameter ;Stationary Tank ,Tank pressure 0-0.68Bar Temperature range - 40degrees Celsius to 70 degrees Celsius Head : Aluminium die casting	ROCHESTER GAUGE S INC.	F7283	668436
BUTTERFLY VALVE	BUTTERFLY VALVE	05 SGA01 AA503	200NB, 8"WC-8282-3-FP; N 16, F-F 59.1mm , CAST IRON , GEARBOX HANDWHEEL OPERATED, WAFER BODY	TYCO	8"WC-8282-3-FP	671919
PRESSURE SWITCH	PRESSURE SWITCH	TRANSFER HOUSES	PS10-EXF, ELECTRICAL RATINGS 15AMPS AT 125-250VAC 2.0AMPS AT 30VDC,PRESSURE RANGE 27-137Kpa ,PROOF PRESSURE 1724Kpa , FM approved Ex d IIB T6, IP66 , SERIAL NO 10121025	POTTER	PS10-EXF	671071
PRESSURE SWITCH	PRESSURE SWITCH	ACROSS SITE	PS10-, 1/2" MALE NPT, 4-8PSI,2PSI DIFFERENTIAL,300PSI MAXIMUM PRESSURE,SPDT(FORM c),10.1A AT 125/250VAC 2.0A AT 30VDC 1SPDT IN PS10-1, - 40 TO 60DEGREES,IP55	POTTER	PS10-1	612815
NOZZLE	NOZZLE	BOILER , BURNERS	Nozzle HV-17 1'BSP K40.3 Brass K factor 40.3	TYCO	P/N 49-017-1-001	590376
HEATER	HEATER	SGA20/21AP001 MMO1	240V HEATER ENGINE MODEL CFP15E-F40	CUMMINS	11577	
BELT	BELT	SGA20/21AP001 MMO1	BELT 3101314 ENGINE MODEL CFP15E-F40	CUMMINS	3101314	
ALTERNATOR	ALTERNATOR	SGA20/21AP001 MMO1	24V ALTERNATOR ENGINE MODEL CFP15E-F40	CUMMINS	3400698	
STARTER	STARTER	SGA20/21AP001 MMO1	24V STARTER 2871253 ENGINE MODEL CFP15E-F40	CUMMINS	5284085(obsolete)	0742478
SOLENOID	SOLENOID	SGA20/21AP001 MMO1	12 V COOLING LOOP SOLENOID A042B123	CUMMINS	A042B123	
STRAINER	STRAINER	00SGA20/21 AT001/002	Y-STRAINER BSP , 32MM L=93MM,H=95MM BODY :FORGED BRASS, 16BAR,	VEMCO	N/A	669871

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
			SCREEN 304S/S, TEMPERATURE 80 DEG C			
NOZZLE	NOZZLE	BOILER, ICC	Nozzle HV-14 1'BSP K23 Brass K factor 23	TYCO	PN 49-014-1-001	671068
NOZZLE	NOZZLE	6-10 SGC11	PN49-324-1-095, PROTECTOSPRAY MEDIUM VELOCITY	TYCO	PN49-324-1-095	671069
LEVEL COLUMN	LEVEL COLUMN	6-1SGA57 CL501	L076CAA1M03036SD1AA11SF 8AZB8AZF03200A0ZZ ,MAX TEMP 100F, SG MIN0.89 CAL 0.960	MAGTECH	SERIAL NO :26124N	
BUTTERFLY VALVE	BUTTERFLY VALVE	05 SGE05 AA501	100NB, 4"WC-8282-3-FP; N 16, F-F 51.1mm , CAST IRON , GEARBOX HANDWHEEL OPERATED, WAFER BODY	TYCO	4"WC-8282-3-FP	671917
EXPANSION JOINT	EXPANSION JOINT	FIRE PUMPS BELLOWS	400NB BELLOW ELEMENT, MILD STEEL HOT DIPPED GALVANISED , T1600/3 FLANGES, F-F 250mm, PCD525 mm, 16X 26mm DIAMETER HOLES, ID 409.5 mm AND OD 580mm , TOP THICKNESS FOR HOLES 16mm	BELLOW WELD (PTY) Ltd	-	
STRAINER	STRAINER	0 0SGA89/44/92 AT001,	100NB, 16BAR, 65 DEGREES, Type : Flanged Y Strainer, Standards and approvals : SANS10252-1, Flange to flange (A) distance : 350mm, Blow off NPT: 25mm, Weight: 26mm, Body material : C.I ASTM A126 CL. Cover: C.I ASTM A126 CL. Screen: S.S AISI 304, Gasket: PTFE/Graphite**to come fitted with standard screen opening 0.125 1/8 inch PERF	VEMCO	N/A	679766
PUMP	PUMP	SGF88 AP001	TYPE FD6000/3-PP-S, P/N FD6000-09S1-02-090; APPROVAL FM 3029243, VDs Approval no G4080017, FLOW RATE 500-6000L/MIN, Maximum pressure 16BAR SERIAL NO 01050634	FIREDO S PUMP		687937
PUMP	PUMP	0 0SGF86 AP001/0 0SGF48AP001	FD1000-09S1-01-290, right to left flow ,Max flow 1000l/min, min flow 180l/min, min temp 5 deg, max temp 50deg, max pressure 16Bar, DN65, Motor water 2.1/2" male threaded BSP	FIREDO S PUMP		M-REQ-000106219
PUMP	PUMP	TLO	FD6000/3-PP-S, FD6000-09S1-03-290, horizontal, right to left flow, max 6000l/min, min flow 500l/min, min temp 5deg , max temp 50deg, 16bar, DN200,	FIREDO S PUMP		725385
DIAPHRAGM VALVE	VALVE, DIAPHRAGM	Boiler (ICC)	Water control valve DV-5, DV504FS2, FM Approved, 16 Bar, size 8"	TYCO	DV5	688605

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
VALVE	VALVE	ACROSS SITE	Hose reels stop clock valve	FIREQUIP		683597
GAURD	GUARD, GENERIC	TURBINE SEAL OIL PIPING GALLERY	SPRINKLER GUARD TYB, TY4851, G7560, UPRIGHT, THREAD RELIEF(1/2"NPT) K=8, RED PAINTED , P/N 56-938-1-001	TYCO		683603
VALVE, BALL	BALL, VALVE	6-10SGC11AA412-415 ,6-10SGC12AA412-415, /6-10SGC21AA412-415/6-10SGC21AA521-537, 60SGE11AA411 &6-10SGE11AA413,60SGE11AA506, 6-10SGE12AA411/6-10SGE12AA412 6-10SGE12AA414 6-10SGE12AA507	50 NB, BRASS, F/F 123mm LOCKABLE HANDLE VALVE , PN16, 2" BSP	TYCO	1610LD600	692549
GAUGE, PRESSURE	PRESSURE, GAUGE	ALL SPRINKLER SYSTEM VALVE STATIONS	Gauge Range 0-21 Kg/cm ² , gauge range 0-300 PSI, SHIELD MAKE ,MODEL SD-P2, BORDON TUBE, 1/4" BSPT MALE, DIAL SIZE 100mm, BORDON TUBE AND MOVEMENT MONEL,POLISHED STAINLESS STEEL CASE, HARDENED GLASS WINDOW, ±2 % on FSD ACCURACY, UL 393, NFPA-13/Class 2311, NFPA-13	SHIELD		684834
METER, FLOW	METER, FLOW	ACC SUBSTATIONS	INLINE, FSD FIRE, ASIB STANDARD APPROVED , 100NB , FLANGE CONNECTED SABS1600/3,CAST ALUMINIMUM , STAINLESS STEEL ORIFICE PLATE , DIRECT FLOW , F-F 300mm, GLYCERIN FLOW , MEASUREMENT IN L/S,	FSD		
SPRINKLER	SPRINKLER	6-1SGC21 (TURBINE BEARING)	FRAME STYLE SPRAY NOZZLES, 93 DEGREES,90 DEGREE PATTERN ½" NPT, 15MM BSP, K FACTOR 40.3, 65.1mm length, BRASS (green bulb)	VIKING	16957	687645
GATE VALVE	VALVE, GATE	BOILER WET RISER	80 NB TYCO, OUTSIDE SCREW AND YOKE, TJRX0800001 ISO 7005-2,PCD152.5mm, FLANGED,HANDWHEEL OPERATED,P16,ASTM A536 65-4512 BODY MATERIAL,203mm FACE TO FACE,uL uCL fm approved	TYCO	TYCO OSY	687649
GATE VALVE	VALVE, GATE	Floor washing valve	50 NB , BRASS, HANDWHEEL OPERATED,	TYCO	R55	688606

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
METER, FLOW	METER FLOW	6-10SGA61 CF501	MEISTREAM DN 100 50 DEGREES PN16 , 250F/F ,CAST IRON	MEISTR EAM	50401 EML1E B1A1X	692429
VALVE, SOLENIOD	VALVE, SOLENIOD	0 0SGA33/34/35 AA201	3 WAY SOLENIOD , DIRECT ACTING WITH ISOLATING MEMBRANE , BODY BRASS, ELASTOMERS NBR, ENCLOSURE MOLDED EPOXY , ¼" NPT PORT , ENCLOSURE TYPE ONE PIECE MOULDED EPOXY , IP65 WITH DIN , CABLE PLUG , MAX TEMP 90DEGREES, 0.47 KG	BURKE RT	BURKEE RT 330 SERIES	722924
SPRINKLER	SPRINKLER	Seal oil piping	TY3151,141 DEGREES, ½ NPT , UPRIGHT ,5.6 K	TYCO	PN57-570-1-286	724971
CLAMP	CLAMP	VARIOUS	M10 Mupro holder back clamp, two piece embossed, 25-30MM clamping range		-	704782
ROD	ROD	VARIOUS	M10 GALVANISED MILD STEEL, THREADED, 1M LONG		-	704784
VALVE	VALVE	VARIOUS	Dv5 automatic shut off valve, MODEL ASV-1, BRASS BODY, FM APPROVED, UL ,CUL LISTED , 17.2 BAR MAXIMUM PRESSURE , UNS C36000, NYLON FABRIC REINFORCED NATURAL RUBBER DIAPHRAGM,		P/N92-343-1-021	704833
VALVE	VALVE, BALL	VARIOUS	Automatic drain valve, Model AD-1, ½' NPT, COMPLETE ASSEMBLY WITH ½' NIPPLE, BRASS INLET PART NUMBER 52-793-3-004	TYCO	P/N 52-793-3-004	704835
PRESSURE REDUCING VALVE	PRESSURE REDUCING VALVE	VARIOUS	TYCO MODEL AMD-1 AIR MAINTENANCE DEVICE, PRESSURE REDUCING DEVICE	TYCO	P/N 52-324-2-002	722846
BALL VALVE	BALL VALVE	VARIOUS	25 NB, BRASS, F/F 82mm LOCKABLE HANDLE VALVE, PN16, 1" BSP	TYCO		704840
DIAPHRAGM	DIAPHRAGM	VARIOUS	DN150 FOR DV5 DELUGE VALVE	TYCO	92-477-1-111	722954
VALVE, CHECK	VALVE, CHECK	COAL PLANT	TYCO TFP MODEL AV-1, Wet alarm valve, size 6", PN16, ISO PORT 150 NB	TYCO	TFP MODEL AV-1	724530
NOZZLE	NOZZLE	FIRE HOSEREELS AND FLOOR WASHING POINTS	25NB Fire hose reel and floor washing nozzle, red nylon plastic, threaded connection	SAFEQUIP	-	704886
CLAMP	CLAMP	FLOOR WASHING POINTS	25 mm HOSE OETIKER CLAMP			704782
CLAMP	CLAMP	FLOOR WASHING POINTS	32 MM HOSE CLAMP, CLAMP RANGE 32-37mm, OET			724371
SPRINKLER	SPRINKLER	TLO AREA	Tyco TY3251 sprinkler heads, Standard response, Pendent, 5.6 K Imperial -factor, 141°C	TYCO	PN57-571-1-286	724194

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
SPRINKLER	SPRINKLER	TLO AREA	Tyco TY325 sprinkler heads, Standard response, Pendent, 5.6 K-factor Imperial, 141°C	TYCO	PN77-571-1-286	724193
MODULE	MODULE	Fire Pump Activation System	EQ3730EDIO, ANS/NFPA71:2010, ENHANCED 8 CHANNEL Discrete Eagle Quantum Premier	Detronics	007609-078	664259
MODULE	MODULE	SGA57 GH001	8 channel, discrete I/O module, No SIL rating/EQ3730DW	Detronics	009174-003	609288
BEARING , THRUST & RADIAL	BEARING	0 0SGA20/21/23/24AP001	DEEP GROOVE BALL, 6218 THRUST BEARING REFERENCE , GREASE-TEXACO REGAL STARFAK PREMIUM 3 , 80 DEGREES C , 5000 HOURS B10 BEARING LIFE			239667
GLAND PACKING	GLAND PACKING	0 0SGA20/21/23/24AP001	Soft packed, 120 degree maximum temperature , 5 bar(g), PTFE Reinforced and braided , 5 packing rings and 120mm shaft sleeve diameter , 12mmx12mm		-	722923
UNION PIPE	UNION PIPE	HYDRANTS	80NB, FEMALE THREADED ISO-7-1 Rp, material spec ISO5922, SOCKET FOR HYDRANT VALVE CONNECTION		-	722920
PIPE	PIPE	HYDRANT	80 NB, GALVANISED,	N/A	-	722957
DIAPHRAGM	DIAPHRAGM	VARIOUS	100NB DV5 DELUGE VALVE repair kit	TYCO	92-477-1-101	722956
DIAPHRAGM	DIAPHRAGM	VARIOUS	200NB DV5 DELUGE VALVE repair kit	TYCO	92-477-1-111	724192
COUPLING	COUPLING	SGA20/21 AP001/SGA23/24 AP001	TYRE COUPLING FOR PUMP SHAFT	FENNER	-	618646
Centrifugal Pump	PUMP, CENTRIFUGAL	0 0SGA23/24 AP001	SPP, horizontal split casing, 205 litres/sec, centrifugal pump, IMPELLER DIA 510 mm electrical spare	SPP	300/59	724550
PLUG	PLUG	Detection line	½ INCH THREADED SQUARE HEAD GALVANISED CARBON STEEL	-	-	724972
PLUG	PLUG	Hydrants	Carbon steel 80 NB threaded plug	-	-	
DELUGE VALVE	DELUGE VALVE	SGC21	TYCO DP-1 DRY PILOT ACTUATOR	TYCO	P/N 52-280-1-001.	724355
PIPE	PIPE	UNDERGROUND PIPING	250 NB PVC-M 6 M	-	-	729972
VALVE, KIT	VALVE KIT	SGC55/56	200NB AV1 VALVE KIT HANDHOLE COVER GASKET AND CLAPPER FACING		P/N92-200-1-816	721960
VALVE, KIT	VALVE KIT	SGC55/56	200NB AV1 VALVE KIT CLAPPER. CLAPPER FACING, CLAPPER WASHER, LOCK NUT, CLAPPER HINGE PIN, CLAPPER HING PIN BUSHING, CLAPPER SPRING		P/N92-200-1-823	721961
VALVE, KIT	VALVE KIT	SGC68	150NB AV-1 VALVE KIT HANDHOLE COVER GASKET AND CLAPPER FACING	TYCO	92-200-1-620	722709
VALVE, KIT	VALVE KIT	SGC68	150 AV-1 VALVE KIT CLAPPER. CLAPPER FACING, CLAPPER WASHER, LOCK	TYCO	92-200-1-623	722710

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
			NUT, CLAPPER HINGE PIN, CLAPPER HING PIN BUSHING, CLAPPER SPRING			
ELBOW, PIPE	ELBOW, PIPE	VARIOUS	1", GALVENISED STEEL, MALE TO MALE 90 DGREE ELBOW	-	-	722713
ELBOW, PIPE	ELBOW, PIPE	VARIOUS	1 1/4", GALVENISED STEEL, MALE TO MALE 90 DGREE ELBOW	-	-	722711
PIPE	PIPE	VARIOUS	½ in pipe galvanised, 1 m length	-	-	724043
T PIECE	T PIECE	VARIOUS	2IN T PIECE WITH ½ OUTLET GALVANISED	-	-	724018
T PIECE	T PIECE	VARIOUS	½ IN T PIECE GALVANISED	-	-	724044
UNION	UNION	VARIOUS	½ IN UNION GALVANISED	-	-	724040
UNION	UNION	VARIOUS	¾ INCH UNION GALVANISED	-	-	724073
COUPLING	COUPLING	SGA33/34/35 AP001	VIVA VSELOSTOMERIC, steel coated, D42H7/D65H7, COUPLING VS190-R-FBH D42H7/D65H7, COMPATIBLE WITH SULZER APP 32-80 PUMP, DIN6885	VIVA VSELOSTOMERIC	VS190-R-FBH	724072
FLEXIBLE HOSE	FLEXIBLE HOSE	SGA20/21 AP001-MO1	HUMP HOSE on air lines for diesel engine	Cummins	4330737	724339
CLAMP	CLAMP	SGA20/21 AP001-MO1	CLAMP FOR HUMP HOSE, spring loaded, range 4"-4.033"	Cummins	3926704	724540
SPRINKLER	SPRINKLER	SY2A&B	TY3251 PENDAMNT 5.6K, 1/2 IN NPT ,79 DEGREES, NATURAL BRASS		P/N 57-571-1-175	725162
HOSE	HOSE	SGA20/21 AP001-MO1	DAYCO 78150GL SILICONE HOSE, 1.5in DIA, Gold Label Heavy-Duty Straight Radiator Hoses,			725476
COUPLING, PIPE	COUPLING PIPE	VARIOUS UNDERGROUND PIPING	COUPLING RANGE 227-252mm CLASS16, BOTH ENDS SPIGOT WITH INTERGRAL SOCKET AND RUBBER RING SEAL, SANS966-1	-	CASCADE	732200
COUPLING, PIPE	COUPLING PIPE	VARIOUS UNDERGROUND PIPING	COUPLING RANGE 300-500mm CLASS16, VICTOULIC COUPLING, COMMERCIAL GRADE, SANS966-1	-	-	
TAPE, SEALING	TAPE, SEALING	VARIOUS UNDERGROUND PIPING	DENSO TAPE, 30M X 150MM WIDTH, BLACK	DENSO	-	728865

Short Description	Cataloguing Equipment 'Descriptor'	Applicable KKS number/ Plant area	Material Item Characteristics (Detail Description with Defining Design Characteristics)	OEM	OEM Part No	SAP Material number
PASTE	PASTE	VARIOUS UNDERGROUND PIPING	DENSO PASTE superlight Profiling Mastic with primer S105	DENSO		728862
VALVE, Diaphragm	VALVE, Diaphragm	SGA84 AA651	SERIES 800 D, MODEL 811 D , SIZE 50NB, THREADED NPT , GRADE A 25 BAR MAX,	INBAL		730519
VALVE, Diaphragm	VALVE, Diaphragm	SGC21 AA616	TYCO FSV-1 Fail-Safe-Valve	TYCO	52-343-1-001	731331
PIPE	PIPE	VARIOUS	HDPE RARE PLASTICS, PE100, PN16, ISO4427, SDR11, 355X32.2mm	-	-	731798
BEARING	BEARINGS	SGA20/21/23/24 AP001	Angular contact ball bearing, 7218BW	SKF	7218 BW	738187
VALVE, KIT	VALVE KIT	SGA61 AA601	TYCO PRV-1, flanged connection, 4" 16 Bar, /Kit comprising of diaphragm, pilot valve, water pressure gauge x2 , strainer , pressure sensor insert, tubing and fitting kit, needle valve	TYCO	PRV-1	747482

4 Specification of the services to be provided

Refer to the price list and a table in section 2 above, on this document.

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

The *Supplier* to provide delivery plan (as per clause 31.2) of the *goods* after receiving the purchase order.

5.2 Work to be done by the Delivery Date

No incorrect, damaged or faulty spares will be accepted. All spares will be inspected before and after offloading. Where testing is required, the test will be done during delivery. All required manuals and test certificates must be available during delivery.

5.3 Constraints at the delivery place and place of use

The *Supplier* shall adhere to Eskom speed limit of 40 km/h while driving on site. The preferred delivery times are Monday to Thursday between 07:00-16:00 and Friday between 07:00-12:00. However, for urgent delivery, the *Supplier* will communicate with the *Supply Manager* to agree on the time and date of delivery. The *Supplier* shall adhere to Eskom Life Saving rules

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

The *Purchaser* will provide the overhead cranes and forklift during offloading of the goods. The *Purchaser* will also provide the operator for both machines.

5.5 Management meetings

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

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

5.6 Documentation control

Contractual communication can be done through emails. For urgent request, both Parties can use telephone as form of communication, however it should be confirmed by email.

5.7 Health and safety risk management

The *Supplier* shall comply with the health and safety requirements of ISO 45001 and OHSAct No.85 of 1993.

5.8 Environmental constraints and management

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

5.9 Quality

The *Supplier* shall comply with the requirements of ISO 9001:2015.

5.10 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 which is 4740101508.
- 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;

Procedure for invoice submission and payment

- All Electronic invoices must be sent in PDF format only.
- 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."
- All queries and follow up on invoice payments should be made by contacting the FSS Contact Centre: Tel: 011 800 5060 or email: fss@eskom.co.za

5.11 Contract change management

The *Purchaser* will provide a standard form for contract communications. Forms for compensation event, instructions, risk register, early warning, notifications

5.12 Provision of bonds and guarantees

The form in which a bond or guarantee required by the *conditions of contract* (if any) is to be provided by the *Supplier* is given in Part 1 Agreements and Contract Data, document C1.3, Sureties.

The *Purchaser* may withhold payment of amounts due to the *Supplier* until the bond or guarantee required in terms of this contract has been received and accepted by the person notified to the *Supplier* by the *Supply Manager* to receive and accept such bond or guarantee. Such withholding of payment due to the *Supplier* does not affect the *Purchaser's* right to termination stated in this contract.

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

The *Supplier* will prepare the assessment of compensation event and the *Purchaser* must review before accepting. Both parties keep records of the assessment for a period of 12 months after the contract has expired. The compensation event prices should be as Price List of the contract.

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

The *Supplier* has full responsibility of Providing the Goods whether subcontracting or not.

6.1.2 Limitations on subcontracting

Not applicable, however, Tenderers will be encouraged to utilise Local-to-site Suppliers whenever feasible.

6.1.3 Spares and consumables

The *Purchaser* may instruct the *Supplier* to deliver part of the spares as the need arise due to plant condition.

6.1.4 Skill development

Tenderers are required to submit proposals in a table below for developing the skills of unemployed candidates in the country. Skills development is intended to address Eskom's core, scarce and critical skills and the scarce and critical skills. These skills are also included in a 2020 list of occupations in high demand as stipulated in the Government Gazette 43937. Candidates shall be from all provinces in the country, and their composition shall be representative of the population demographics of South Africa

Skill type / Occupation	Eskom target	Proposed Number of Candidates

The process of developing these skills shall involve the participation by tenderers directly and through their supply network. In certain cases, the SETA's accredited training providers can be approached to participate in developing critical and scarce skills.

Note: That these targets for skills development candidates categorically exclude Eskom employees and registered learners. The tenderers are required to take full responsibility for the total cost of developing the requisite skills, and Eskom shall not make any financial contribution towards the fulfilment of this obligation. Tenderers also are advised to approach their relevant SETAs to access grants, subsidies, and incentives as well as South African Revenue Services for tax rebates that are earmarked for skills development initiatives

6.1.5 SDL&I Penalty and Performance Security

Eskom will apply a penalty of 2.5% of the Contract Value for failure to meet SDL&I obligations.

For the duration of the contract, Eskom will retain 2.5% of every invoice (excluding VAT) as security for the fulfilment of all SDL&I Obligations. The retained amounts shall only be released to the Contractor upon:

- Eskom receives the SDL&I progress report/s from the contractor.
- Fulfilment of all SDL&I obligations by the contractor.

Submission of an approved compliance report by SDL&I Department

6.1.6 Cataloguing requirements by the *Supplier*

When spares are procured, the spare specifications are captured on Data Capturing Forms (DCF's) and then to SAP materials management. The *Supplier* will be required to complete the DCF where Eskom does not have information

7 List of drawings

7.1 Drawings issued by the *Purchaser*

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

Drawing number	Revision	Title

C3.2 SUPPLIER'S GOODS INFORMATION

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

This section could also be compiled as a separate file.