



NEC3 Supply Contract (SC3)

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

and
(Reg No. _____)

for **The Supply and Delivery of Ash Plant Spares on an
“as- and- when” Required Basis at Arnot Power
Station for a period of 5 Years**

Contents:	No of pages
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CONTRACT No.

PART C1: AGREEMENTS & CONTRACT DATA

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

C1.1 Form of Offer & Acceptance

Offer

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

The Supply and Delivery of Ash Plant Spares on an "as- and- when" Required Basis at Arnot Power Station for a period of 5 Years

The tenderer, identified in the Offer signature block, has

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

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

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

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

Signature(s)

Name(s) _____

Capacity _____

For the tenderer:

(Insert name and address of organisation)

Name & signature of witness

Date

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

Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)

Name(s) _____

Capacity _____

for the Purchaser

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

(Insert name and address of organisation)

Name & signature of witness

Date

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

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

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.

For the tenderer:

For the Purchaser

Signature _____

Name _____

Capacity _____

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

**Eskom Holdings SOC Ltd,
Reg No: 2002/015527/06),
Arnot Power Station,
Private Bag x2,
Rietkuil
1097**

Name & signature of witness _____

Date _____

C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

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

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	
		X1: Price adjustment for inflation X2: Changes in the law X7 Delay damages Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) ¹	
10.1	The <i>Purchaser</i> is (name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state-owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
	Tel No.	[•]
	Fax No.	[•]
10.1	The <i>Supply Manager</i> is (name):	
	Address	Eskom Holdings SOC Limited (Reg No: 2002/015527/06) Arnot Power Station Private Bag x2, Rietkuil 1097
	Tel	[•]
	Fax	[•]
	e-mail	[•]
11.2(13)	The <i>goods</i> are	Ash Plant Spares
11.2(13)	The <i>services</i> are	Supply and Delivery of Ash Plant Spares at Arnot Power Station for a period of 5 years
11.2(14)	The following matters will be included in	Late deliveries

¹ Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 539 1902, www.ecs.co.za.

	the Risk Register	Manufacturing of goods not according to specifications	
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	5 working days	
2	The Supplier's main responsibilities	Data required by this section of the core clauses is provided by the Supplier in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.	
3	Time		
30.1	The <i>starting date</i> is.	TBA	
30.1	The <i>delivery date</i> of the goods and services is:	goods and services	delivery date
		1. Ash Plant Spares	As stated in every Purchase Order issued
30.2	The <i>Supplier</i> does not bring the goods to the Delivery Place more than one week before the Delivery Date.	N/A	
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	N/A	
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	N/A	
4	Testing and defects		
42	The <i>defects date</i> is	52 weeks after delivery of goods and services	
42.2	The <i>defects access period</i> is	7 days	
43.2	The <i>defect correction period</i> is	2 weeks after delivery of goods or as agreed by the parties	
5	Payment		
50.1	The <i>assessment interval</i> is	Between the 25th day of each successive month or 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 (ZAR)	
51.2	The period within which payments are made is	Thirty (30) Calendar days after the signed assessment by both Parties and a valid Tax Invoice. ATTENTION: Eskom's standard policy on payment term for all contracts valued above R50	

		000 0000 (Fifty Million Rand), including in VAT, is 60 days. Bidders are requested to bear this payment term in mind when submitting bids and concluding contracts.
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.
6	Compensation events	All Compensation Events are to be managed as per core clause 6 of the NEC3 SC.
7	Title	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
8	Risks, liabilities, indemnities and insurance	
80.1	These are additional <i>Purchaser's</i> risks	None
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (Zero Rand)
9	Termination and dispute resolution	
94.1	The <i>Adjudicator</i> is	The person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
	Address	[•]
	Tel No.	[•]
	Fax No.	[•]
	e-mail	[•]
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)
94.4(2)	The <i>tribunal</i> is:	Arbitration
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor

94.4(5)	<p>The place where arbitration is to be held is</p> <p>The person or organisation who will choose an arbitrator</p> <ul style="list-style-type: none"> - if the Parties cannot agree a choice or - if the arbitration procedure does not state who selects an arbitrator, is 	<p>body.</p> <p>[●] South Africa</p> <p>the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.</p>
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10 Data for Option clauses

X1	Proposed Price adjustment for inflation																							
X1.1	<p>The <i>base date</i> for indices is</p> <p>The proportions used to calculate the Price Adjustment Factor are:</p>	<p>One month after ITT/RFQ closing or to be agreed upon</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Proportion</th> <th style="width: 15%;">linked to index for</th> <th style="width: 70%;">Index prepared by</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">15%</td> <td style="text-align: center;">Fixed</td> <td style="text-align: center;">Fixed Portion</td> </tr> <tr> <td style="text-align: center;">5%</td> <td style="text-align: center;">CPI</td> <td style="text-align: center;">SEIFSA Table D-4</td> </tr> <tr> <td style="text-align: center;">25%</td> <td style="text-align: center;">Material</td> <td style="text-align: center;">SEIFSA Table M-6 (Construction pipes, tubes and fittings)</td> </tr> <tr> <td style="text-align: center;">30%</td> <td style="text-align: center;">Material</td> <td style="text-align: center;">SEIFSA Table E-8 (Carbon Steel – Medium Range)</td> </tr> <tr> <td style="text-align: center;">25%</td> <td style="text-align: center;">Transport</td> <td style="text-align: center;">SEIFSA Table L2 (B)</td> </tr> <tr> <td style="text-align: center;">100%</td> <td></td> <td></td> </tr> </tbody> </table>	Proportion	linked to index for	Index prepared by	15%	Fixed	Fixed Portion	5%	CPI	SEIFSA Table D-4	25%	Material	SEIFSA Table M-6 (Construction pipes, tubes and fittings)	30%	Material	SEIFSA Table E-8 (Carbon Steel – Medium Range)	25%	Transport	SEIFSA Table L2 (B)	100%			
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X2	Changes in the law																							
X2.1	A change in the law of	Is a compensation event if it occurs after the Contract Date																						
X7	Delay damages																							
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	(a) Delivery Lead Time	To be agreed by both parties																						

Z	The <i>additional conditions of contract</i> are	Z1 to Z15 always apply for Eskom
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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 *Supplier* 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 *Supplier*, or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's employees,

Corrupt Action means the offering, giving, taking, or soliciting, directly or indirectly, of a good or service to unlawfully or illegally influence the actions of an Affected Party,

Fraudulent Action means any unlawfully or illegally intentional act or omission that misleads, or attempts to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,

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

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

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

Z13 Insurance

Z 13.1 Replace core clause 84 with the following:

- Insurance cover 84**
- 84.1** When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this contract are in force.
- 84.2** The *Supplier* provides the insurances stated in the Insurance Table A for events which are at the *Supplier's* risk from the *starting date* until the last *defects date* or a termination certificate has been issued.

INSURANCE TABLE A

Insurance against	Minimum amount of cover or minimum limit of indemnity
Loss of or damage to the <i>goods</i> , plant and materials	The replacement cost where not covered by the <i>Purchaser's</i> insurance. The <i>Purchaser's</i> policy deductible as at Contract Date, where covered by the <i>Purchaser's</i> insurance.
Liability for loss of or damage to property (except the <i>goods</i> , plant and materials and equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Supplier</i>) caused by activity in connection with this contract	<u>Loss of or damage to property</u> <i>Purchaser's</i> property 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 <i>Purchaser's</i> Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos Containing Material, Equipment and Articles.
SANAS	means the South African National Accreditation System.
TWA	means the average exposure, within a given workplace, to airborne asbestos fibres, normalised to the baseline of a 4-hour continuous period, also applicable to short term exposures, i.e. 10-minute TWA.

- Z15.1 The *Purchaser* ensures that the Ambient Air in the area where the *Supplier* will Provide the Services conforms to the acceptable prescribed South African standard for asbestos, as per the regulations published in GNR 155 of 10 February 2002, under the Occupational Health and Safety Act, 1993 (Act 85 of 1993) ("Asbestos Regulations"). The OEL for asbestos is 0.2 regulated asbestos fibres per millilitre of air as a 4-hour TWA, averaged over any continuous period of four hours, and the short-term exposure limit of 0.6 regulated asbestos fibres per millilitre of air as a 10-minute TWA, averaged over any 10 minutes, measured in accordance with HSG248 and monitored according to HSG173 and OESSM.
- Z15.2 Upon written request by the *Supplier*, the *Purchaser* certifies that these conditions prevail. All measurements and reporting are affected by an independent, competent, and certified occupational hygiene inspection body, i.e. a SANAS accredited, and Department of Employment and Labour approved AAIA. The *Supplier* may perform Parallel Measurements and related control measures at the *Supplier's* expense. For the purposes of compliance, the results generated from Parallel Measurements are evaluated only against South African statutory limits as detailed in clause Z15.1. Control measures conform to the requirements stipulated in the AAIA-approved asbestos work plan.
- Z15.3 The *Purchaser* manages asbestos and ACM according to the Standard.
- Z15.4 In the event that any asbestos is identified while Providing the Services, a risk assessment is conducted and if so required, with reference to possible exposure to an airborne concentration of above the AL for asbestos, immediate control measures are implemented and relevant air monitoring conducted in order to declare the area safe.
- Z15.5 The *Supplier's* personnel are entitled to stop working and leave the contaminated area forthwith until such time that the area of concern is declared safe by either Compliance Monitoring or an AAIA approved control measure intervention, for example, per the emergency asbestos work plan, if applicable.
- Z15.6 The *Supplier* continues to Provide the Services, without additional control measures presented, on presentation of Safe Levels. The contractually agreed dates to Provide the Services, including the Completion Date, are adjusted accordingly. The contractually agreed dates are extended by the notification periods required by regulations 3 and 21 of the Asbestos Regulations.
- Z15.7 Any removal and disposal of asbestos, asbestos containing materials and waste, is done by a registered asbestos contractor, instructed by the *Purchaser* at the *Purchaser's* expense, and conducted in line with South African legislation.

Annexure A: Supply Requirements

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

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2020² as follows:

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

² International Chamber of Commerce, Incoterms 2020, Paris, January 2020

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

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

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

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

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

The Supply Requirements for this contract are as follows:

[Use these when INCOTERMS do not apply].

1. The requirements for the supply are	Packings and Gaskets	
2. The requirements for transport are	The <i>Supplier</i> is responsible for transporting the goods to Site. The <i>Supplier</i> takes responsibility of the goods while in transit i.e. insurances etc. Goods are to be off loaded at Arnot Power Station Main Stores Receiving	
3. The delivery place is	Eskom Arnot Power Station	
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	<i>Supplier</i>
	Undertake import requirements	<i>Supplier</i>
5. Information to be provided by the Supplier	Title of document	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	

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

Annexure B: Insurance provided by the *Purchaser*

These notes are provided as guidance to tendering Suppliers and the Supplier about the insurance provided by the Purchaser. These notes are not part of this contract. The Supplier must obtain its own advice.

Transit insurance of goods originating from outside the borders of the Republic of South Africa

For the purpose of supply contracts, the only insurance provided by Eskom (the *Purchaser*) is transit shipment cover, commonly known as Marine Insurance for air, sea, rail and road freight (including local land arrangements) for conveyance of *goods* originating outside RSA. Please consult the website stated below to ascertain whether Format A, Format B or Format Dx is applicable to this contract and then the

- Marine Insurance Policy wording;
- Eskom Shipment Policies and Procedures – note a pre-shipment survey form has to be completed under certain circumstances;
- Marine Claims Handling Procedures – for important shipment actions and claims forms in event of damages to cargo freight via sea, barge, air, road or rail.

For EXW (Ex Works collections) this is of no concern to the *Supplier* but for any other Supply Requirement (such as CIF, DDU, or DDP) the *Supplier* need not provide such insurance even if the INCOTERM requires it and tendering Suppliers should 'discount' their prices when tendering to allow for this provision by the *Purchaser* (Eskom).

Supplier's liability for damage to the Purchaser's property

Whilst this is a liability the *Supplier* carries and should cover (if he is required to deliver the *goods* to the *Purchaser's* premises) his liability is limited to the amount of cover provided to the *Purchaser* within his assets policy. This amount varies depending on the Division within Eskom to which the *Supplier* is making the delivery. For any one occurrence or series of occurrences arising out of one event but unlimited during the period of insurance the *Supplier's* liability would be:

- R15million for Generation Division projects,
- R7.5million for Transmission Division projects or
- R1.0million for Distribution Division projects

All other insurance

As required by clause 84, the *Supplier* provides all other insurance for his risks. The *Supplier* should give further consideration to providing for these additional insurance concepts [for amounts and periods of insurance the *Supplier* deems fit and necessary].

Professional Indemnity: The insurance provided shall indemnify the *Supplier* (and/or his professional consultant) for those sums which the *Supplier* or his consultant shall become legally liable to pay as damages arising from any claim first made against the *Supplier* / consultant and reported to their insurers during the Period of Insurance, directly arising out of any negligent act, error or omission committed or alleged to have been committed by the *Supplier* / consultant in the conduct of **professional services** (for example, design) in connection with this contract.

Products Liability: A special General Liability extension for liability arising out of the *Supplier's* **defective:**

- production and manufacturing process (workmanship or material), or
- product design, or
- warnings, instructions, usage and maintenance manuals and specifications.

For any further explanation of insurance requirements tendering Suppliers are advised to consult their brokers or insurers who may in turn contact Eskom Insurance Management Services per contact details provided on the following website:

http://www.eskom.co.za/Tenders/InsurancePoliciesProcedures/Pages/EIMS_Policies_From_1_April_2014_To_31_March_2015.aspx

C1.2 Contract Data

Part two - Data provided by the *Supplier*

Notes to a tendering *Supplier*:

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

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

Clause	Statement	Data				
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.					
11.2(8)	The Goods Information for the <i>Supplier's</i> design is in:	Annexure A				
11.2(11)	The tendered total of the Prices is	R , (in words)				
11.2(12)	The <i>price schedule</i> is in:					
11.2(14)	The following matters will be included in the Risk Register	None				
25.2	The restrictions to access for the <i>Supply Manager</i> and Others to work being done for this contract are	None				
30.1	The <i>delivery date</i> of the goods and services is:	<table border="1"> <thead> <tr> <th><i>goods and services</i></th> <th><i>delivery date</i></th> </tr> </thead> <tbody> <tr> <td>1 Ash Plant Spares</td> <td>Stated in every Purchase Order</td> </tr> </tbody> </table>	<i>goods and services</i>	<i>delivery date</i>	1 Ash Plant Spares	Stated in every Purchase Order
<i>goods and services</i>	<i>delivery date</i>					
1 Ash Plant Spares	Stated in every Purchase Order					
31.1	The programme identified in the Contract Data is contained in:	As per the Purchase Order				
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is					

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

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

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>	9

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	MATERIAL NO.	MATERIAL DESCRIPTION	UMC	QTY	RATE	AMOUNT
1	25150	INSERT, FLEXIBLE COUPLING: TYPE: TIRE; SIZE: ID 280 X OD 380 X THK 100 MM; MATERIAL: RUBBER; SUPPL P/N: FB160; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	32		
2	28651	V BELT SET: NUMBER OF BELTS: 8; SUPPL P/N: 22NSPC7100; TO BE MATCHED ONE DIDGET EITHER WAY, TO BE BUNDLED AND MARKED AS A SET, MATCHED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	388		
3	28887	BELT, V: TOP WIDTH: 75 MM; THICKNESS: 15 MM; REFERENCE NO: 3910; PULLEY, 8 GROOVE SECTION, 9,5; PITCH 9931MM CIRCUMFERENCE	EA	34		
4	30204	BEARING, ROLLER: TYPE: SELF ALIGNING; INSIDE DIAMETER: 130 MM; OUTSIDE DIAMETER: 230 MM; WIDTH: 64 MM; ROW: DOUBLE; BORE SHAPE: TAPER; SUPPL P/N: 22226CCK W33C3; NOTE - THE REFERENCE NUMBER MUST BE CAST AND NOT ENGRAVED ON AND MUST BE ORIGINAL PROTECTIVE PACKED	EA	15		
5	32722	BUSH, TAPER LOCK: BORE DIAMETER: 75 MM; SERIES: 3020; MATERIAL: STL	EA	14		
6	34586	HOUSING, BEARING UNIT: TYPE: PILLOW; BORE: ID 102 MM; MATERIAL: CI; BOLT MOUNTINGS: 2; BOLT DIAMETER: M24; SUPPL P/N: SN522; SUPPLIER NOTE: THE ITEM MUST BE COMPLETE WITH A GREASE NIPPLE INSTALLED AND SHAFT SEALS; SEALING ARRANGEMENT: LABYRINTH (STL AND NBR O-RING, IT CAN TAKE UP TO 120DEG C); VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	115		
7	38847	BUSH: TYPE: SHEARING PIN; INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 60 MM; LENGTH: 65 MM; MATERIAL: STL; SUPPL P/N: 416-103; FOR SPARGO TWO ROLL ASH CRUSHER 500 DIA X 600 L.H; LINATEX; ARNOT SOLE SOURCE APPROVED: WEIR MINERALS VENDOR NO: 11007742 AND WILL EXPIRE ON: 2019/02/20	EA	25		
8	45411	JOINT: TYPE: DISCHARGE; DIMENSIONS: ID 195 X OD 270 X THK 14 MM; MATERIAL: RUBBER; DRAWING NO: KTR 383 REV 1; FOR DENVER ORION 250/200F ASH PUMP 731032; NOTE: EACH ITEM TO BE PROTECTIVE PACKED AND SEALED	EA	86		
9	45643	COUPLING, SHAFT FLEXIBLE: BORE DIAMETER: 100 X 55 MM; SUPPL P/N: F160; COMPELTE TYRE COUPLING, FOR A 185 KW MOTOR, 1481 RPM;	EA	8		

		MOTOR SHAFT DIA 100MM, PUMP SHAFT DIA 55MM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
10	53345	NOZZLE: TYPE: FULL CONE SPRAY; SIZE: 26 MM; CONNECTION: NPT; MATERIAL: STAINLESS STEEL; APPLICATION: PRECIPITATOR; GRADE: 304; DRAWING NO: GLTC-001/A REV 1; CONSTRUCTION 1; WITH CASING; DIA 26 MM THD X 20 MM LG; 2, CERAMIC VENTURI INSERT OF 50 MM LG FUSION BONDED TO THE CASING; 3, INSIDE DIA OF VENTURI 10 MM WITH +-0.1 TOLERANCE; MANUFACTURED ACCORDING TO BIN 950-015; HYDROVACTOR; CERAMIC INSERTS WITH OUTER CASING; HANDLE WITH CARE	EA	330		
11	53357	BEND, PIPE: OUTSIDE DIAMETER: 20 MM; CONNECTION: FLANGE X SW; MATERIAL: CI; DEGREE: 45 DEG; DRAWING NO: 13.41/737 REV 1; LATERAL; CAST 317935 WITH 8841	EA	20		
12	53358	TUBE, VENTURI: DIMENSIONS: ID 180 X OD 230 MM; LENGTH: 1.43 M; MATERIAL: CI; SPECIFICATION: 317939 W/8640; DRAWING NO: 1341737 ITEM 1 REV 1; 1341737 REV 1	EA	7		
13	55261	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 355.6 MM; MATERIAL: ASTM A106 GR B ABI; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; GRADE: 43A; SPECIFICATION: API 5L GR B; SIZE: 375.6 MM OD	EA	48		
14	58425	COUPLING, PIPE: SIZE: OD 324 MM; CONNECTION: SLIP ON; MATERIAL: STL RED OXIDE; STYLE: DOUBLE SLEEVE; BOLT SIZE: M12 X 280 MM WITH GALVANIZED NUTS AND WASHERS; BRACKET: 1 PAIR; BRACKET MATERIAL: CAST IRON; NUMBER OF BRACKET HOLE: 6; BARREL MATERIAL: MILD STEEL; WALL THICKNES: 4-8 MM; COMPLETE WITH RUBBER RINGS; SEAL: 2 OFF; MATERIAL CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; PAINTING: RED OXIDE; FOR MODEL: 324 DS PIPE; WD: 240MM; COMPLETE WITH RUBBER GASKET	EA	1166		
15	59442	COUPLING, PIPE: SIZE: 406 MM; CONNECTION: COMPRESSION; MATERIAL: STL RED OXIDE; VIKING/CONFLEX; DOUBLE SLEEVE; FOR MODEL 406DS PIPE; COMPLETE WITH GALV BOLTS AND RUBBER GASKET; STORAGE: UNDER ROOF	EA	4		
16	60232	COUPLING, PIPE: SIZE: 419 MM; CONNECTION: SLIP ON; MATERIAL: STEEL; C/W RUBBER GASKET AND BOLTS	EA	207		
17	61085	BUSH, TAPER LOCK: BORE DIAMETER: 22 MM; SERIES: 1610; MATERIAL: STL	EA	4		
18	63631	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 250 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 70 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; STYLE: BOLTED CAP; TRIM: GUNMETAL; SOFTGOODS: GASKET KLINGERITE; SUPPL P/N: 610054; NON RETURN; VOSA.	EA	8		
19	63632	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 150 MM; DESIGN RATING: 10 BAR; TEMPERATURE RATING: 70-80 DEG C; CONNECTION: FLANGE; BODY	EA	16		

		MATERIAL: CI; FACE TO FACE LENGTH: 445 MM; STYLE: BOLTED CAP; TRIM: GUNMETAL; SOFTGOODS: BUFFER NITRILE; JOINT KLINGERITE; FIG NO: 6154; REFERENCE NO: 993/801; PCD 235 MM; HOLE SIZE 17 MM; NUMBER OF HOLES 8; FLANGED AND DRILLED TO BS 10 TABLE D				
20	63802	VALVE, GATE: VALVE SIZE: 50 MM; TYPE: WEDGE; CONNECTION: THD; BODY MATERIAL: BRASS; TRIM: DISC/STEM BRS; OPERATED: HANDWHEEL; STEM DESIGN: NON RISING; STYLE: THD BONNET; TEMPERATURE RATING: 198 DEG C; DESIGN RATING: 1600 KPA; REFERENCE NO: 1070-125; SUPPLIER NOTE; TO BE SUPPLIED ACCORDING TO S.A.B.S. SPECIFICATION WITH A PRESSURE CERTIFICATE	EA	285		
21	63803	VALVE, GATE: VALVE SIZE: 40 MM; TYPE: WEDGE; CONNECTION: THD; FACE TO FACE LENGTH: 50 MM; BODY MATERIAL: BRASS; TRIM: DICS/STEM BRS; OPERATED: HANDWHEEL; STEM DESIGN: NON RISING; STYLE: THD BONNET; TEMPERATURE RATING: 175 DEG C; DESIGN RATING: 1600 KPA; REFERENCE NO: CLASS 125; SUPPLIER NOTE TO BE SUPPLIED ACCORDING TO S.A.B.S. SPECIFICATION WITH A PRESSURE CERTIFICATE	EA	11		
22	63847	VALVE, GATE: VALVE SIZE: 150 MM; TYPE: SOLID WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 210 MM; BODY MATERIAL: CI; TRIM: GUNMETAL; BONNET/DISC CI; OPERATED: HANDWHEEL; SOFTGOODS: PACKING ASB GRAPHITED; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 70-80 DEG C; DESIGN RATING: 10 BAR; FIG NO: 1854; VOSA; SABS 664; CLASS 2C; DRILLED TO BS 10 TABLE D; PCD: 235 MM; HOLE SIZE 17 MM; NUMBER OF HOLES: 8; PRESSURE TEST CERTIFICATE TO BE SUPPLIED	EA	15		
23	69902	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 250 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 70 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; FACE TO FACE LENGTH: 635 MM; STYLE: BOLTED CAP; TRIM: GUNMETAL; SOFTGOODS: JOINT KLINGERITE; SUPPL P/N: V/V375; FIG NO: 6154; NON-RETURN, DRILLED TO TABLE E FOR ASH PLANT SLUICE PUMPS	EA	18		
24	70134	VALVE, GATE: VALVE SIZE: 250 MM; TYPE: WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 330 MM; BODY MATERIAL: CI; TRIM: GUNMETAL; OPERATED: HANDWHEEL; SOFTGOODS: PACKING ASB GRAPHITED; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; DESIGN RATING: 16 BAR; VOSA; PITCH CIRCLE DIA 356 MM, DRILLED TO TABLE E, 2 HOLE TOP, 12 HOLES, DIA OF HOLES 22 MM	EA	9		
25	70794	VALVE, GATE: VALVE SIZE: 80 MM; TYPE: WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 159 MM; BODY MATERIAL: CI; TRIM: GUNMETAL; OPERATED: HANDWHEEL; SOFTGOODS: ASB GRAPHITE; STEM DESIGN: RISING SPINDLE; STYLE:	EA	151		

ITEM NO.	MATERIAL NO.	MATERIAL DESCRIPTION	UMC	QTY	RATE	AMOUNT
		BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; SPECIFICATION: SABS 664 CL 2C; DESIGN RATING: 10 BAR; FIG NO: 1854; VOSA SABS 664 CLASS 2C; DRILLED TO BS 10 TABLE D; FACE TO FACE: 159 MM; PCD: 146 MM; HOLE SIZE: 17 MM, NUMBER OF HOLES: 4				
26	73037	VALVE, GATE: VALVE SIZE: 400 MM; TYPE: SOLID WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 406 MM; BODY MATERIAL: SGI; TRIM: DISC NBR COATED; SPINDLE SS; OPERATED: HANDWHEEL; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 90 DEG C; DESIGN RATING: 16 BAR; SUPPL P/N: VN280; ELIPSO; DRILLED TO TABLE D; P.C.D. 521 MM; NUMBER OF HOLES 12 WITH A DIA 25 MM	EA	4		
27	100751	PACKING, PREFORMED: INSIDE DIAMETER: 40 MM; OUTSIDE DIAMETER: 55 MM; THICKNESS: 8 MM; TYPE: SPLIT RING; MATERIAL: GRAPHITE; SHAPE , FOR WKLN 40/5 STAGE PUMP, ITEM 461, STUFFING BOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	15		
28	101098	JOINT: DIMENSIONS: ID 245 X OD 325 X THK 14 MM; MATERIAL: RUBBER; DRAWING NO: KTR 382 REV 1; INLET FOR DENVER ASH PUMP, ORION HM RANGE TYPE 250/200F ASH PUMP: 19210-721032; NOTE: EACH ITEM TO BE PROTECTIVE PACKED AND SEALED	EA	76		
29	152073	NOZZLE: TYPE: SLUICEWAY; CONNECTION: NPT; MATERIAL: STAINLESS STEEL; GRADE: 304; DRAWING NO: TC221 REV 1; HEX 42.5; CONSTRUCTION 1, CASING WITH 1-1/4 BSP THD X 20MM LG; 2, CERAMIC VENTURI INSERT OF 81.2MM LG FUSION BONDED TO CASING; 3, MANUFACTURED ACCORDING TO CERAMIC INSERTS WITH OUTER CASING; HANDLE WITH CARE; LG 81.2	EA	73		
30	152074	NOZZLE: TYPE: SLUICEWAY; SIZE: 1-1/4 IN; CONNECTION SIZE: 34 MM; CONNECTION: NPT; MATERIAL: STAINLESS STEEL; GRADE: 316; OUTSIDE DIA 45MM X 98MM LONG, INSIDE DIA 30MM AT DISCHARGE END AND AT INLET SIDE, AT THREAD SIDE STRAIGHT THREAD X 25MM LONG	EA	89		
31	161579	GREASE, INDUSTRIAL: TYPE: GENERAL PURPOSE, EP; VISCOSITY RATING: NOT APLICABLE; CONTAINER: DRUM 18 KG; GRADE: NLGI 2; TRADE NAME: MULTIFAK EP2; SUPPL P/N: EP2; ESKOM SPECIFICATION GGSS 0894, LUBE CODE GPG-2LEP, SUPPLIER NOTE REQUIRED THE NEW STANDARD FOR RELIABILITY POINT 1 TO 16 MATERIAL SAFETY DATA SHEET WITH EVERY DELIVERY; MULTIFAK	EA	426		
32	179894	VALVE, BUTTERFLY: TYPE: WAFER; VALVE SIZE: 150 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: -25 DEG C; CONNECTION: FIT IN B/N FLANGE; BODY MATERIAL: DI; FACE TO FACE	EA	116		

		LENGTH: 76 MM; OPERATED: HANDWHEEL, GEARBOX; TRIM: DISC SS GR 304; SOFTGOODS: NITRILE; APPLICATION: ASH PLANT; GRADE: SABS 936, SG 42 (BS 5155); SPECIFICATION: SABS 936 GR SG42; REFERENCE NO: QW45; 175; REPLACEABLE SEAT AND OFFSET DISC; RETAINING RING BRASS WITH LOCKING FACILITY FOR DISMANTLING SPANNER; BRASS SLIPRING' EPTRANS GEARBOX; RATIO 31:1; CLOSED TYPE; COME WITH ROTORK GEARBOX-MODEL-AB 210 N HAND-WHEEL OPERATED-FUSION BONDED EPOXY COATED INTERNAL AND EXTERNAL TO A MINIMUM OF 250 MICRONS				
33	218453	VALVE, CHECK: TYPE: DUAL; VALVE SIZE: 300 MM; DESIGN RATING: 20 BAR; CONNECTION: FLANGE; BODY MATERIAL: CS; TRIM: BALL PU; SEAT STEEL; SUPPL P/N: FFV300; TABLE D DRILLED; TEMPERATURE RATING AMBIENT; NON RETURN; SHOULD BE CERAMIC TILED	EA	7		
34	219366	BEARING, PILLOW BLOCK: INSIDE DIAMETER: 4-1/2 IN; BOLT MOUNTING: 4; BOLT DIAMETER: M20; BLOCK SIZE: WD 220 X LG 419.1 X HT 238.1 MM; SHAFT HEIGHT: 120.65 MM; ROLLING ELEMENT: SPHERICAL; HOUSING MATERIAL: CI; SUPPL P/N: AMEP5408YF	EA	80		
35	232842	VALVE, GATE: VALVE SIZE: 300 MM; TYPE: WEDGE; DESIGN PRESSURE: 16 BAR; DESIGN TEMPERATURE: -10 TO 40 DEG C; CONNECTION: FLANGE; FACE TO FACE LENGTH: 305 MM; BODY MATERIAL: CI; TRIM: CI; OPERATED: HANDWHEEL; SOFTGOODS: ASB GRAPHITE; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; APPLICATION: ASH WATER; GRADE: SG42; DESIGN RATING: 16 BAR; PITCH CIRCLE DIA 406 MM; DRILLED TO TABLE HOLE INSIDE DIAMETER 22 MM; 12 HOLE; FOR ASH PLANT; PRESSURE TEST CERTIFICATE TO BE SUPPLIED WITH DELIVERY; EACH TO BE DELIVERED WITH A UNIQUE IDENTIFICATION NUMBER WHICH WILL APPEAR ON THE TEST CERTIFICATE	EA	71		
36	255947	VALVE: TYPE: DUAL ROTATING DISC; VALVE SIZE: 300 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 80 DEG C; FACE TO FACE LENGTH: 305 MM; CONNECTION: FLANGE BS 10 TABLE D; OPERATED: HANDWHEEL; BODY MATERIAL: CS HIGH CR; SUPPL P/N: DP/RDV300/HC; PRESSURE TEST CERTIFICATE TO ACCOMPANY VALVE: BODY TEST AT 24 FOR 10 MIN; GATE TEST AT 18 FOR 10 MIN; ISO 5208:2015 ESKOM REPRESENTATIVE TO WITNESS PRESSURE TEST; ESKOM REPRESENTATIVE SIGNATURE TO BE ON PRESSURE TEST CERTIFICATE	EA	17		
37	528574	PULLEY, V BELT: BELT TYPE: 22N; SPC; BORE: 110 MM; OUTSIDE DIAMETER: 560 MM; GROOVES: 8; MATERIAL: CAST IRON; TAPER LOCK SERIES: 5050; MANUF P/N: DW184; PULLEY TO BE DYNAMIC BALANCED; THE PULLEY MUST COME WITH THE	EA	88		

ITEM NO.	MATERIAL NO.	MATERIAL DESCRIPTION	UMC	QTY	RATE	AMOUNT
		TAPPER LOCK BUSH SIZE: 5050 X 100 AND WITH THE OUTSIDE DIAMETER: 560 MM				
38	528682	PULLEY, V BELT: BELT TYPE: 22N; SPC; OUTSIDE DIAMETER: 355 MM; GROOVES: 8; MATERIAL: CAST IRON; TAPER LOCK SERIES: 4545; PULLEY TO BE DYNAMIC BALANCED	EA	116		
39	528684	PULLEY, V BELT: BELT TYPE: 22N; SPC; OUTSIDE DIAMETER: 315 MM; GROOVES: 8; MATERIAL: CAST IRON; TAPER LOCK SERIES: 4040; PULLEY TO BE BALANCED	EA	57		
40	557270	COUPLING: TYPE: FLANGE; SIZE: 300 MM; MATERIAL: MILD STEEL; SPECIFICATION: SABS 1123; CONNECTION 1: FACE; CONNECTION 2 SIZE: 324 MM; THICKNESS: 20 MM; FLAT FACE FLANGED DRILLED ACCORDING TO TABLE D; MANUFACTURED ACCORDING TO SANS 1123	EA	1215		
41	572168	VALVE: TYPE: GATE; VALVE SIZE: DN 150; DESIGN RATING: PN 16; TEMPERATURE RATING: 25 DEG F; FACE TO FACE LENGTH: 210 MM; CONNECTION: FLANGE; OPERATED: HANDWHEEL; BODY MATERIAL: DUCTILE IRON GR SG42; STYLE: RISING SPINDLE; TRIM: SS GR 316; GRADE: 316; SPECIFICATION: SABS664/5; SOFTGOODS: PACKING GRAPHITE; SPECIAL FEATURES: FACILITY TO LOCK HAND WHEEL; MANUF P/N: RSV 9654; SPINDLE SS GRADE 316; HAND WHEEL BS 2789 GRADE 420/12; SEAT RINGS SS GRADE 316; COATED AS PER ESKOM SPEC: EN 1092-1:2001; MECHANICAL INDICATORS EXTERIOR MUST BE ABLE TO SEE IF THE VALVE IS CLOSED OR OPEN FROM EXTERIOR; NAME PLATE; FIRE SYSTEM; DELUGE ISOLATION VALVES AND INTERCONNECTING; PROVIDE MATERIAL DATA SHEET, DRAWING AND TEST CERTIFICATION WITH EVERY DELIVERY; THE HANDWHEEL TO HAVE SIGNAL RED FINISH; THE VALVE TO BE DELIVERED WITH THE PRODUCT BROCHURE	EA	4		
42	603966	VALVE, GATE: VALVE SIZE: 300 MM; TYPE: WEDGE; DESIGN PRESSURE: 16 BAR; DESIGN TEMPERATURE: 80 DEG C; CONNECTION: FLANGE; FACE TO FACE LENGTH: 305 MM; BODY MATERIAL: CI GR SG42; TRIM: CI; OPERATED: HANDWHEEL; SOFTGOODS: ASB GRAPHITE; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; APPLICATION: SLURRY/ASH; SPECIFICATION: SANS 936-SG42 BS14; GRADE: SG42; DESIGN RATING: 16 BAR; .	EA	23		
43	603968	VALVE, GATE: VALVE SIZE: 300 MM; TYPE: WEDGE; DESIGN PRESSURE: 16 BAR; DESIGN TEMPERATURE: 80 DEG C; CONNECTION: FLANGE BS 10 TABLE D; FACE TO FACE LENGTH: 305 MM; BODY MATERIAL: CI GR SG42; TRIM: CR27; OPERATED: HAND; SOFTGOODS: ASB GRAPHITE; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; APPLICATION: SLURRY; SPECIFICATION: SANS	EA	80		

		1465-2; SPECIAL FEATURES: ABRASSION RESISTANT RUBBER; GRADE: SG42; DESIGN RATING: 16 BAR; .				
44	628916	ASSEMBLY: TYPE: HYDROVAC; APPLICATION: DUST PLANT; DIMENSIONS: OD 8 MM; MATERIAL: CI; REFERENCE NO: 950-014; 950-021-950-015; CONSISTS OF 2 MANHOLE EJECTOR BODY COVERS; NOZZLE TIPS; USED ON DUST HANDLING; ITEM TO BE ASSEMBLED FOR USE ON HANDLING DUST PLANT; PROTECTION RUST; SOLE SOURCE WEIR MINERAL	EA	8		
45	659559	BOLT: TYPE: FULL THREAD; DIAMETER: M20; LENGTH: 100 MM; HEAD: COUNTER SINK; MATERIAL: HIGH TENSILE 10.9; THREAD: M20 METRIC	EA	52		
46	659668	VALVE: TYPE: PRESSURE REDUCING; VALVE SIZE: DN25; DESIGN RATING: 25 BAR; TEMPERATURE RATING: 70 DEG C; CONNECTION: THREADED; OPERATED: SPRING BONNET WITH ADJUSTMENT KNOB; BODY MATERIAL: BRASS; MANUF P/N: D06FH; BALANCED SEAT HIGH PRESSURE PATTERN; MUST HAVE DEZINCIFICATION RESISTANT BRASS HOUSING; HIGH QUALITY SYNTHETIC MATERIAL VALVE INSERT; STAINLESS STEEL FINE FILTER MESH; SPRING BONNET WITH ADJUSTMENT KNOB AND SETING SCALE; BRASS FILTER BOWL;SPRING STEEL ADJUSTMENT SPRING;FIBRE - REINFORCED NBR DIAPHRAGM;NBR SEALS: RANGE APPLICATION MEDIUM: WATER INLER PRESSURE: OUTLET PRESSURE 1.5-12: MINIMUM PRESSURE DROP: 1 BAR: 25 MM: 1 INCH; PART NO: D06FH	EA	41		
47	684296	PUMP: TYPE: SUBMERSIBLE; SIZE: 13.6 X 3.2 M; CAPACITY: 20-280 L/MIN; SPEED: 2800 RPM; RATING: MIN 3.2; MAX 14.6 M; POTENTIAL: 230-240 V; APPLICATION: MAKE-UP SUMP; 5.6 AMPS; 50 HZ; MF=20; VC=450; IP=X8; INS CF=51; KG=12.7; TMAX LIQUID 35 DEG C; POWER: 1-2 KW	EA	10		
48	736200	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 300 MM; MATERIAL: MILD STEEL; LENGTH: 12.19 M; WALL THICKNESS: 8 MM; END TYPE: FLANGED BOTH ENDS; SCHEDULE: 30; RATING: 16 BAR; GRADE: 42A; SPECIFICATION: 16 PN; FLANGE SPECIFICATION: MATERIAL MILD STEEL, ID 300 MM, OD 460 MM, PCD 410 MM, FLANGE THICKNESS: 32 MM, BOLT HOLE SIZE: M24, NUMBER OF BOLT HOLES: 12, FLANGE PRESSURE RATING: PN 16. PIPE INTERNALY COATED WITH EPOXY RESIN & EXTERNALLY COATED WITHRED OXIDE PAINT	EA	200		
49	737004	PUMP: TYPE: DIESEL POWERED; SIZE: NPT 6; CAPACITY: 1000 GAL/MIN; SPEED: 24 HP; RATING: 1000 GAL/MIN; DRIVER: HONDA V-TWIN OHV; POTENTIAL: 12 VDC; FURNISHED ITEMS: TRAILER MOUNTED; CASING MATERIAL: CAST ALUMINIUM; APPLICATION: TRASH; MANUF P/N: AMT 5585-H6; PLEASE CALL OPS SUPPORT TO DO QC, BUSINESS PART: GORMAN RUPP	EA	2		
50		SAFETY FILE (YEAR 1)	SUM	1		

51		SAFETY FILE (YEARS 2-5)	ANNU ALLY	4		
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The total of the Prices

PART 3: SCOPE OF WORK

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C3.2	<i>Supplier's Goods Information</i>	1
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C3.1: PURCHASER’S GOODS INFORMATION

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1 Overview and purpose of the goods and services

The goods must be delivered as per the Purchase Order.

The purpose is to procure high-quality, reliable ash plant spares that meet the specified technical and operational requirements to support maintenance and operational needs. This supply is critical to ensure the continuous and efficient operation of equipment at the power station while minimizing downtime due to component failures. The scope outlines the responsibilities, deliverables, standards, and quality assurance requirements for the supplier to ensure a successful and timely delivery.

2 Specification and description of the goods

ITEM NO.	MATERIAL NO.	MATERIAL DESCRIPTION	UMC	QTY
1	25150	INSERT, FLEXIBLE COUPLING: TYPE: TIRE; SIZE: ID 280 X OD 380 X THK 100 MM; MATERIAL: RUBBER; SUPPL P/N: FB160; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	32
2	28651	V BELT SET: NUMBER OF BELTS: 8; SUPPL P/N: 22NSPC7100; TO BE MATCHED ONE DIDGET EITHER WAY, TO BE BUNDLED AND MARKED AS A SET, MATCHED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	388
3	28887	BELT, V: TOP WIDTH: 75 MM; THICKNESS: 15 MM; REFERENCE NO: 3910; PULLEY, 8 GROOVE SECTION, 9,5; PITCH 9931MM CIRCUMFERENCE	EA	34
4	30204	BEARING, ROLLER: TYPE: SELF ALIGNING; INSIDE DIAMETER: 130 MM; OUTSIDE DIAMETER: 230 MM; WIDTH: 64 MM; ROW: DOUBLE; BORE SHAPE: TAPER; SUPPL P/N: 22226CCK W33C3; NOTE - THE REFERENCE NUMBER MUST BE CAST AND NOT ENGRAVED ON AND MUST BE ORIGINAL PROTECTIVE PACKED	EA	15
5	32722	BUSH, TAPER LOCK: BORE DIAMETER: 75 MM; SERIES: 3020; MATERIAL: STL	EA	14
6	34586	HOUSING, BEARING UNIT: TYPE: PILLOW; BORE: ID 102 MM; MATERIAL: CI; BOLT MOUNTINGS: 2; BOLT DIAMETER: M24; SUPPL P/N: SN522; SUPPLIER NOTE: THE ITEM MUST BE COMPLETE WITH A GREASE NIPPLE INSTALLED AND SHAFT SEALS; SEALING ARRANGEMENT: LABYRINTH (STL AND NBR O-RING, IT CAN TAKE UP TO 120DEG C); VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	115
7	38847	BUSH: TYPE: SHEARING PIN; INSIDE DIAMETER: 25 MM; OUTSIDE DIAMETER: 60 MM; LENGTH: 65 MM; MATERIAL: STL; SUPPL P/N: 416-103; FOR SPARGO TWO ROLL ASH CRUSHER 500 DIA X 600 L.H; LINATEX; ARNOT SOLE SOURCE APPROVED: WEIR MINERALS VENDOR NO: 11007742 AND WILL EXPIRE ON: 2019/02/20	EA	25
8	45411	JOINT: TYPE: DISCHARGE; DIMENSIONS: ID 195 X OD 270 X THK 14 MM; MATERIAL: RUBBER; DRAWING NO: KTR 383 REV 1; FOR DENVER ORION 250/200F ASH PUMP 731032; NOTE: EACH ITEM TO BE PROTECTIVE PACKED AND SEALED	EA	86
9	45643	COUPLING, SHAFT FLEXIBLE: BORE DIAMETER: 100 X 55 MM; SUPPL P/N: F160; COMPELTE TYRE COUPLING, FOR A 185 KW MOTOR, 1481 RPM; MOTOR SHAFT DIA 100MM, PUMP SHAFT DIA	EA	8

		55MM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		
10	53345	NOZZLE: TYPE: FULL CONE SPRAY; SIZE: 26 MM; CONNECTION: NPT; MATERIAL: STAINLESS STEEL; APPLICATION: PRECIPITATOR; GRADE: 304; DRAWING NO: GLTC-001/A REV 1; CONSTRUCTION 1; WITH CASING; DIA 26 MM THD X 20 MM LG; 2, CERAMIC VENTURI INSERT OF 50 MM LG FUSION BONDED TO THE CASING; 3, INSIDE DIA OF VENTURI 10 MM WITH +-0.1 TOLERANCE; MANUFACTURED ACCORDING TO BIN 950-015; HYDROVACTOR; CERAMIC INSERTS WITH OUTER CASING; HANDLE WITH CARE	EA	330
11	53357	BEND, PIPE: OUTSIDE DIAMETER: 20 MM; CONNECTION: FLANGE X SW; MATERIAL: CI; DEGREE: 45 DEG; DRAWING NO: 13.41/737 REV 1; LATERAL; CAST 317935 WITH 8841	EA	20
12	53358	TUBE, VENTURI: DIMENSIONS: ID 180 X OD 230 MM; LENGTH: 1.43 M; MATERIAL: CI; SPECIFICATION: 317939 W/8640; DRAWING NO: 1341737 ITEM 1 REV 1; 1341737 REV 1	EA	7
13	55261	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 355.6 MM; MATERIAL: ASTM A106 GR B ABI; LENGTH: 6 M; WALL THICKNESS: 10 MM; CONSTRUCTION: WELDED; END TYPE: PLAIN; GRADE: 43A; SPECIFICATION: API 5L GR B; SIZE: 375.6 MM OD	EA	48
14	58425	COUPLING, PIPE: SIZE: OD 324 MM; CONNECTION: SLIP ON; MATERIAL: STL RED OXIDE; STYLE: DOUBLE SLEEVE; BOLT SIZE: M12 X 280 MM WITH GALVANIZED NUTS AND WASHERS; BRACKET: 1 PAIR; BRACKET MATERIAL: CAST IRON; NUMBER OF BRACKET HOLE: 6; BARREL MATERIAL: MILD STEEL; WALL THICKNES: 4-8 MM; COMPLETE WITH RUBBER RINGS; SEAL: 2 OFF; MATERIAL CERTIFICATE TO BE SUPPLIED WITH EVERY DELIVERY; PAINTING: RED OXIDE; FOR MODEL: 324 DS PIPE; WD: 240MM; COMPLETE WITH RUBBER GASKET	EA	1166
15	59442	COUPLING, PIPE: SIZE: 406 MM; CONNECTION: COMPRESSION; MATERIAL: STL RED OXIDE; VIKING/CONFLEX; DOUBLE SLEEVE; FOR MODEL 406DS PIPE; COMPLETE WITH GALV BOLTS AND RUBBER GASKET; STORAGE: UNDER ROOF	EA	4
16	60232	COUPLING, PIPE: SIZE: 419 MM; CONNECTION: SLIP ON; MATERIAL: STEEL; C/W RUBBER GASKET AND BOLTS	EA	207
17	61085	BUSH, TAPER LOCK: BORE DIAMETER: 22 MM; SERIES: 1610; MATERIAL: STL	EA	4
18	63631	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 250 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 70 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; STYLE: BOLTED CAP; TRIM: GUNMETAL; SOFTGOODS: GASKET KLINGERITE; SUPPL P/N: 610054; NON RETURN; VOSA.	EA	8
19	63632	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 150 MM; DESIGN RATING: 10 BAR; TEMPERATURE RATING: 70-80 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; FACE TO FACE LENGTH: 445 MM; STYLE: BOLTED CAP; TRIM: GUNMETAL; SOFTGOODS: BUFFER NITRILE; JOINT KLINGERITE; FIG NO: 6154; REFERENCE NO: 993/801; PCD 235 MM; HOLE SIZE 17 MM; NUMBER OF HOLES 8; FLANGED AND DRILLED TO BS 10 TABLE D	EA	16
20	63802	VALVE, GATE: VALVE SIZE: 50 MM; TYPE: WEDGE; CONNECTION: THD; BODY MATERIAL: BRASS; TRIM: DISC/STEM BRS; OPERATED: HANDWHEEL; STEM DESIGN: NON RISING; STYLE: THD BONNET; TEMPERATURE RATING: 198 DEG C; DESIGN RATING: 1600 KPA; REFERENCE NO: 1070-125; SUPPLIER NOTE: TO BE SUPPLIED ACCORDING TO S.A.B.S. SPECIFICATION WITH A PRESSURE CERTIFICATE	EA	285
21	63803	VALVE, GATE: VALVE SIZE: 40 MM; TYPE: WEDGE; CONNECTION:	EA	11

		THD; FACE TO FACE LENGTH: 50 MM; BODY MATERIAL: BRASS; TRIM: DICS/STEM BRS; OPERATED: HANDWHEEL; STEM DESIGN: NON RISING; STYLE: THD BONNET; TEMPERATURE RATING: 175 DEG C; DESIGN RATING: 1600 KPA; REFERENCE NO: CLASS 125; SUPPLIER NOTE TO BE SUPPLIED ACCORDING TO S.A.B.S. SPECIFICATION WITH A PRESSURE CERTIFICATE		
22	63847	VALVE, GATE: VALVE SIZE: 150 MM; TYPE: SOLID WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 210 MM; BODY MATERIAL: CI; TRIM: GUNMETAL; BONNET/DISC CI; OPERATED: HANDWHEEL; SOFTGOODS: PACKING ASB GRAPHITED; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 70-80 DEG C; DESIGN RATING: 10 BAR; FIG NO: 1854; VOSA; SABS 664; CLASS 2C; DRILLED TO BS 10 TABLE D; PCD: 235 MM; HOLE SIZE 17 MM; NUMBER OF HOLES: 8; PRESSURE TEST CERTIFICATE TO BE SUPPLIED	EA	15
23	69902	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 250 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 70 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; FACE TO FACE LENGTH: 635 MM; STYLE: BOLTED CAP; TRIM: GUNMETAL; SOFTGOODS: JOINT KLINGERITE; SUPPL P/N: V/V375; FIG NO: 6154; NON-RETURN, DRILLED TO TABLE E FOR ASH PLANT SLUICE PUMPS	EA	18
24	70134	VALVE, GATE: VALVE SIZE: 250 MM; TYPE: WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 330 MM; BODY MATERIAL: CI; TRIM: GUNMETAL; OPERATED: HANDWHEEL; SOFTGOODS: PACKING ASB GRAPHITED; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; DESIGN RATING: 16 BAR; VOSA; PITCH CIRCLE DIA 356 MM, DRILLED TO TABLE E, 2 HOLE TOP, 12 HOLES, DIA OF HOLES 22 MM	EA	9
25	70794	VALVE, GATE: VALVE SIZE: 80 MM; TYPE: WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 159 MM; BODY MATERIAL: CI; TRIM: GUNMETAL; OPERATED: HANDWHEEL; SOFTGOODS: ASB GRAPHITE; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; SPECIFICATION: SABS 664 CL 2C; DESIGN RATING: 10 BAR; FIG NO: 1854; VOSA SABS 664 CLASS 2C; DRILLED TO BS 10 TABLE D; FACE TO FACE: 159 MM; PCD: 146 MM; HOLE SIZE: 17 MM, NUMBER OF HOLES: 4	EA	151
26	73037	VALVE, GATE: VALVE SIZE: 400 MM; TYPE: SOLID WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 406 MM; BODY MATERIAL: SGI; TRIM: DISC NBR COATED; SPINDLE SS; OPERATED: HANDWHEEL; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 90 DEG C; DESIGN RATING: 16 BAR; SUPPL P/N: VN280; ELIPSO; DRILLED TO TABLE D; P.C.D. 521 MM; NUMBER OF HOLES 12 WITH A DIA 25 MM	EA	4
27	100751	PACKING, PREFORMED: INSIDE DIAMETER: 40 MM; OUTSIDE DIAMETER: 55 MM; THICKNESS: 8 MM; TYPE: SPLIT RING; MATERIAL: GRAPHITE; SHAPE , FOR WKLN 40/5 STAGE PUMP, ITEM 461, STUFFING BOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	EA	15
28	101098	JOINT: DIMENSIONS: ID 245 X OD 325 X THK 14 MM; MATERIAL: RUBBER; DRAWING NO: KTR 382 REV 1; INLET FOR DENVER ASH PUMP, ORION HM RANGE TYPE 250/200F ASH PUMP: 19210-721032; NOTE: EACH ITEM TO BE PROTECTIVE PACKED AND SEALED	EA	76
29	152073	NOZZLE: TYPE: SLUICEWAY; CONNECTION: NPT; MATERIAL: STAINLESS STEEL; GRADE: 304; DRAWING NO: TC221 REV 1; HEX 42.5; CONSTRUCTION 1, CASING WITH 1-1/4 BSP THD X 20MM LG;	EA	73

		2, CERAMIC VENTURI INSERT OF 81.2MM LG FUSION BONDED TO CASING; 3, MANUFACTURED ACCORDING TO CERAMIC INSERTS WITH OUTER CASING; HANDLE WITH CARE; LG 81.2		
30	152074	NOZZLE: TYPE: SLUICEWAY; SIZE: 1-1/4 IN; CONNECTION SIZE: 34 MM; CONNECTION: NPT; MATERIAL: STAINLESS STEEL; GRADE: 316; OUTSIDE DIA 45MM X 98MM LONG, INSIDE DIA 30MM AT DISCHARGE END AND AT INLET SIDE, AT THREAD SIDE STRAIGHT THREAD X 25MM LONG	EA	89
31	161579	GREASE, INDUSTRIAL: TYPE: GENERAL PURPOSE, EP; VISCOSITY RATING: NOT APPLICABLE; CONTAINER: DRUM 18 KG; GRADE: NLGI 2; TRADE NAME: MULTIFAK EP2; SUPPL P/N: EP2; ESKOM SPECIFICATION GGSS 0894, LUBE CODE GPG-2LEP, SUPPLIER NOTE REQUIRED THE NEW STANDARD FOR RELIABILITY POINT 1 TO 16 MATERIAL SAFETY DATA SHEET WITH EVERY DELIVERY; MULTIFAK	EA	426
32	179894	VALVE, BUTTERFLY: TYPE: WAFER; VALVE SIZE: 150 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: -25 DEG C; CONNECTION: FIT IN B/N FLANGE; BODY MATERIAL: DI; FACE TO FACE LENGTH: 76 MM; OPERATED: HANDWHEEL, GEARBOX; TRIM: DISC SS GR 304; SOFTGOODS: NITRILE; APPLICATION: ASH PLANT; GRADE: SABS 936, SG 42 (BS 5155); SPECIFICATION: SABS 936 GR SG42; REFERENCE NO: QW45; 175; REPLACEABLE SEAT AND OFFSET DISC; RETAINING RING BRASS WITH LOCKING FACILITY FOR DISMANTLING SPANNER; BRASS SLIPRING' EPTRANS GEARBOX; RATIO 31:1; CLOSED TYPE; COME WITH ROTORK GEARBOX-MODEL-AB 210 N HAND-WHEEL OPERATED-FUSION BONDED EPOXY COATED INTERNAL AND EXTERNAL TO A MINIMUM OF 250 MICRONS	EA	116
33	218453	VALVE, CHECK: TYPE: DUAL; VALVE SIZE: 300 MM; DESIGN RATING: 20 BAR; CONNECTION: FLANGE; BODY MATERIAL: CS; TRIM: BALL PU; SEAT STEEL; SUPPL P/N: FV300; TABLE D DRILLED; TEMPERATURE RATING AMBIENT; NON RETURN; SHOULD BE CERAMIC TILED	EA	7
34	219366	BEARING, PILLOW BLOCK: INSIDE DIAMETER: 4-1/2 IN; BOLT MOUNTING: 4; BOLT DIAMETER: M20; BLOCK SIZE: WD 220 X LG 419.1 X HT 238.1 MM; SHAFT HEIGHT: 120.65 MM; ROLLING ELEMENT: SPHERICAL; HOUSING MATERIAL: CI; SUPPL P/N: AMEP5408YF	EA	80
35	232842	VALVE, GATE: VALVE SIZE: 300 MM; TYPE: WEDGE; DESIGN PRESSURE: 16 BAR; DESIGN TEMPERATURE: -10 TO 40 DEG C; CONNECTION: FLANGE; FACE TO FACE LENGTH: 305 MM; BODY MATERIAL: CI; TRIM: CI; OPERATED: HANDWHEEL; SOFTGOODS: ASB GRAPHITE; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; APPLICATION: ASH WATER; GRADE: SG42; DESIGN RATING: 16 BAR; PITCH CIRCLE DIA 406 MM; DRILLED TO TABLE HOLE INSIDE DIAMETER 22 MM; 12 HOLE; FOR ASH PLANT; PRESSURE TEST CERTIFICATE TO BE SUPPLIED WITH DELIVERY; EACH TO BE DELIVERED WITH A UNIQUE IDENTIFICATION NUMBER WHICH WILL APPEAR ON THE TEST CERTIFICATE	EA	71
36	255947	VALVE: TYPE: DUAL ROTATING DISC; VALVE SIZE: 300 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 80 DEG C; FACE TO FACE LENGTH: 305 MM; CONNECTION: FLANGE BS 10 TABLE D; OPERATED: HANDWHEEL; BODY MATERIAL: CS HIGH CR; SUPPL P/N: DP/RDV300/HC; PRESSURE TEST CERTIFICATE TO ACCOMPANY VALVE: BODY TEST AT 24 FOR 10 MIN; GATE TEST AT 18 FOR 10 MIN; ISO 5208:2015 ESKOM REPRESENTATIVE TO WITNESS PRESSURE TEST; ESKOM REPRESENTATIVE SIGNATURE TO BE ON PRESSURE TEST CERTIFICATE	EA	17

37	528574	PULLEY, V BELT: BELT TYPE: 22N; SPC; BORE: 110 MM; OUTSIDE DIAMETER: 560 MM; GROOVES: 8; MATERIAL: CAST IRON; TAPER LOCK SERIES: 5050; MANUF P/N: DW184; PULLEY TO BE DYNAMIC BALANCED; THE PULLEY MUST COME WITH THE TAPPER LOCK BUSH SIZE: 5050 X 100 AND WITH THE OUTSIDE DIAMETER: 560 MM	EA	88
38	528682	PULLEY, V BELT: BELT TYPE: 22N; SPC; OUTSIDE DIAMETER: 355 MM; GROOVES: 8; MATERIAL: CAST IRON; TAPER LOCK SERIES: 4545; PULLEY TO BE DYNAMIC BALANCED	EA	116
39	528684	PULLEY, V BELT: BELT TYPE: 22N; SPC; OUTSIDE DIAMETER: 315 MM; GROOVES: 8; MATERIAL: CAST IRON; TAPER LOCK SERIES: 4040; PULLEY TO BE BALANCED	EA	57
40	557270	COUPLING: TYPE: FLANGE; SIZE: 300 MM; MATERIAL: MILD STEEL; SPECIFICATION: SABS 1123; CONNECTION 1: FACE; CONNECTION 2 SIZE: 324 MM; THICKNESS: 20 MM; FLAT FACE FLANGED DRILLED ACCORDING TO TABLE D; MANUFACTURED ACCORDING TO SANS 1123	EA	1215
41	572168	VALVE: TYPE: GATE; VALVE SIZE: DN 150; DESIGN RATING: PN16; TEMPERATURE RATING: 25 DEG F; FACE TO FACE LENGTH: 210 MM; CONNECTION: FLANGE; OPERATED: HANDWHEEL; BODY MATERIAL: DUCTILE IRON GR SG42; STYLE: RISING SPINDLE; TRIM: SS GR 316; GRADE: 316; SPECIFICATION: SABS664/5; SOFTGOODS: PACKING GRAPHITE; SPECIAL FEATURES: FACILITY TO LOCK HAND WHEEL; MANUF P/N: RSV 9654; SPINDLE SS GRADE 316; HAND WHEEL BS 2789 GRADE 420/12; SEAT RINGS SS GRADE 316; COATED AS PER ESKOM SPEC: EN 1092-1:2001; MECHANICAL INDICATORS EXTERIOR MUST BE ABLE TO SEE IF THE VALVE IS CLOSED OR OPEN FROM EXTERIOR; NAME PLATE; FIRE SYSTEM; DELUGE ISOLATION VALVES AND INTERCONNECTING; PROVIDE MATERIAL DATA SHEET, DRAWING AND TEST CERTIFICATION WITH EVERY DELIVERY; THE HANDWHEEL TO HAVE SIGNAL RED FINISH; THE VALVE TO BE DELIVERED WITH THE PRODUCT BROCHURE	EA	4
42	603966	VALVE, GATE: VALVE SIZE: 300 MM; TYPE: WEDGE; DESIGN PRESSURE: 16 BAR; DESIGN TEMPERATURE: 80 DEG C; CONNECTION: FLANGE; FACE TO FACE LENGTH: 305 MM; BODY MATERIAL: CI GR SG42; TRIM: CI; OPERATED: HANDWHEEL; SOFTGOODS: ASB GRAPHITE; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; APPLICATION: SLURRY/ASH; SPECIFICATION: SANS 936-SG42 BS14; GRADE: SG42; DESIGN RATING: 16 BAR; .	EA	23
43	603968	VALVE, GATE: VALVE SIZE: 300 MM; TYPE: WEDGE; DESIGN PRESSURE: 16 BAR; DESIGN TEMPERATURE: 80 DEG C; CONNECTION: FLANGE BS 10 TABLE D; FACE TO FACE LENGTH: 305 MM; BODY MATERIAL: CI GR SG42; TRIM: CR27; OPERATED: HAND; SOFTGOODS: ASB GRAPHITE; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 80 DEG C; APPLICATION: SLURRY; SPECIFICATION: SANS 1465-2; SPECIAL FEATURES: ABRASSION RESISTANT RUBBER; GRADE: SG42; DESIGN RATING: 16 BAR; .	EA	80
44	628916	ASSEMBLY: TYPE: HYDROVAC; APPLICATION: DUST PLANT; DIMENSIONS: OD 8 MM; MATERIAL: CI; REFERENCE NO: 950-014; 950-021-950-015; CONSISTS OF 2 MANHOLE EJECTOR BODY COVERS; NOZZLE TIPS; USED ON DUST HANDLING; ITEM TO BE ASSEMBLED FOR USE ON HANDLING DUST PLANT; PROTECTION RUST; SOLE SOURCE WEIR MINERAL	EA	8
45	659559	BOLT: TYPE: FULL THREAD; DIAMETER: M20; LENGTH: 100 MM; HEAD: COUNTER SINK; MATERIAL: HIGH TENSILE 10.9; THREAD: M20 METRIC	EA	52

46	659668	VALVE: TYPE: PRESSURE REDUCING; VALVE SIZE: DN25; DESIGN RATING: 25 BAR; TEMPERATURE RATING: 70 DEG C; CONNECTION: THREADED; OPERATED: SPRING BONNET WITH ADJUSTMENT KNOB; BODY MATERIAL: BRASS; MANUF P/N: D06FH; BALANCED SEAT HIGH PRESSURE PATTERN; MUST HAVE DEZINCIFICATION RESISTANT BRASS HOUSING; HIGH QUALITY SYNTHETIC MATERIAL VALVE INSERT; STAINLESS STEEL FINE FILTER MESH; SPRING BONNET WITH ADJUSTMENT KNOB AND SETING SCALE; BRASS FILTER BOWL; SPRING STEEL ADJUSTMENT SPRING; FIBRE - REINFORCED NBR DIAPHRAGM; NBR SEALS: RANGE APPLICATION MEDIUM: WATER INLER PRESSURE: OUTLET PRESSURE 1.5-12: MINIMUM PRESSURE DROP: 1 BAR: 25 MM: 1 INCH; PART NO: D06FH	EA	41
47	684296	PUMP: TYPE: SUBMERSIBLE; SIZE: 13.6 X 3.2 M; CAPACITY: 20-280 L/MIN; SPEED: 2800 RPM; RATING: MIN 3.2; MAX 14.6 M; POTENTIAL: 230-240 V; APPLICATION: MAKE-UP SUMP; 5.6 AMPS; 50 HZ; MF=20; VC=450; IP=X8; INS CF=51; KG=12.7; TMAX LIQUID 35 DEG C; POWER: 1-2 KW	EA	10
48	736200	PIPE, METALLIC: NOMINAL PIPE SIZE DESIGNATION: 300 MM; MATERIAL: MILD STEEL; LENGTH: 12.19 M; WALL THICKNESS: 8 MM; END TYPE: FLANGED BOTH ENDS; SCHEDULE: 30; RATING: 16 BAR; GRADE: 42A; SPECIFICATION: 16 PN; FLANGE SPECIFICATION: MATERIAL MILD STEEL, ID 300 MM, OD 460 MM, PCD 410 MM, FLANGE THICKNESS: 32 MM, BOLT HOLE SIZE: M24, NUMBER OF BOLT HOLES: 12, FLANGE PRESSURE RATING: PN 16. PIPE INTERNALLY COATED WITH EPOXY RESIN & EXTERNALLY COATED WITH RED OXIDE PAINT	EA	200
49	737004	PUMP: TYPE: DIESEL POWERED; SIZE: NPT 6; CAPACITY: 1000 GAL/MIN; SPEED: 24 HP; RATING: 1000 GAL/MIN; DRIVER: HONDA V-TWIN OHV; POTENTIAL: 12 VDC; FURNISHED ITEMS: TRAILER MOUNTED; CASING MATERIAL: CAST ALUMINIUM; APPLICATION: TRASH; MANUF P/N: AMT 5585-H6; PLEASE CALL OPS SUPPORT TO DO QC, BUSINESS PART: GORMAN RUPP	EA	2
50		SAFETY FILE (YEAR 1)	SUM	1
51		SAFETY FILE (YEARS 2-5)	ANNUAL LY	4

2.1 Purchaser's design

Not applicable

2.2 Procedure for submission and acceptance of Supplier's design

The *Supplier* must supply as per the item description and as and when required to do so

2.3 Other requirements of the Supplier's design

Not applicable

2.4 Use of Supplier's design

Not applicable

2.5 Manufacture & fabrication

All materials to comply to Eskom standards

2.6 Factory acceptance testing (FAT)

The *Purchaser* may request FAT and material inspection

2.7 Other tests and inspections and commissioning in place of use

Quality control check will be done by the designated Arnot Power Station Representative when components are delivered on site before they can be booked into the Store (Receiving)

2.8 Operating manuals and maintenance schedules

Not applicable

3 Supply Requirements

The Supply Requirements for this contract are in an Annexure to the Contract Data provided by the *Purchaser*.

4 Specification of the *services* to be provided

All materials to comply with Eskom standards and meet the required specifications for dimensions, tolerances, and materials as outlined in the provided list.

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

Not applicable

5.2 Work to be done by the Delivery Date

All goods are to be delivered as per the quantity required and quality check to be done after every delivery.

5.3 Marking the *goods*

Not applicable

5.4 Constraints at the delivery place and place of use

Deliveries can only be done during normal working hours unless the *Purchaser* requests the goods immediately in cases of emergency.

Normal working hours are as follows:

Monday-Thursday 07:00 – 16:15

Friday 07:00 – 12:00

5.5 Cooperating with Others

The *Supplier* must fully co-operate with the *Purchaser's* team during off-loading at the project site

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

Arnot Power Station will provide forklift and forklift driver for the loading and offloading of components on site and the *Supplier* is to use his own resources to load and off load at his premises

5.7 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Supply Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk registers and compensation events	As and when required	Material Management Boardroom	<i>Purchaser, Supplier, and Supply Manager</i>
Overall contract progress and feedback	As and when required	Material Management Boardroom	<i>Purchaser, Supplier, and Supply Manager</i>

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

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

5.8 Documentation control

All documentation from the *Supplier* must be provided in hard copy and must also be emailed to the *Supply Manager*, as per the communication process agreed after contract award.

5.9 Health and safety risk management

The *Supplier* shall comply with the occupational health and safety Act 85 of 1993 requirements: all applicable procedures and standards in their recent revisions. Eskom Life Saving Rules and other Eskom safety rules and requirements not limited to:

- Driven Machinery Regulations
 - Fossil Fire Fuel regulations
 - Plant Safety Regulations
 - Working At Heights Standard
 - Regulation For Hazardous Chemical Agents
 - Confined space standard
 - Occupational Hygiene management
- Control of noise is through wearing hearing protection
 - Dust, dust suppression or as the last resort issue dust mask
 - Waste, put waste in the correct waste bin
 - Water to be conserve, use as little as possible
 - Submission of monthly health and safety statistics is mandatory
 - Adhere to all Eskom lifesaving rules

A. Road Safety

- a. Speed limit: 40km/h
- b. By passing Speed humps not allowed
- c. Transporting People at the back of the bakkie is not allowed
- d. Buckle up always
- e. Park only at demarcated areas

B. Sanitation

- a. Toilets for both genders are available at the plant

C. Emergency

- a. The emergency number for Arnot is 013 297 9222 Pax:5222
- b. Emergency alarms are tested every Wednesday 10H00

D. Access

Before access can be granted the following must be met:

- a. Safety file with all the requirements to be submitted and approved prior site establishment and access
- b. SHE Induction attendance is compulsory
- c. All applicable trainings, statutory requirements and guidelines to be strictly adhered to. Use safety file and OHS specification as reference

COMPULSORY COMPLIANCE TO 5 IDENTIFIED LIFE SAVING RULES:

Rule1: Open, Isolate, Test, Earth, Bond, and/or Insulate before touch
(That is, any plant operating above 1 000 V)

No person may work on any electrical network unless:

- He/she is trained and authorised as competent for the task to be done.
- A pre-task risk assessment to identify all risks and hazards has been conducted prior to any work commencing.
- An equipotential zone is created for each worker on the job site by earthing, bonding, and/or insulating according to approved procedures.
- All conducting material is connected, all staff on site wear electrical safety shoes, and insulating techniques are applied according to standards; and
- The authorised person (team leader) has certified and shown all team members that the apparatus is safe to work on.

Rule 2: Hook up on heights

Working at height is defined as any work performed above a stable work surface or where a person puts himself/herself in a position where he/she exposes himself/herself to a fall from or into.

No person may work at height where there is a risk of falling unless:

- A pre-task risk assessment to identify all risks and hazards has been conducted prior to commencing any work at height.
- He/she is appropriately trained.
- He/she is appropriately secured during ascending and descending and
- He/she is using an approved fall arrest system where applicable.

Rule 3: Buckle up

No person may drive any vehicle on Eskom business and/or on Eskom premises unless the driver and all passengers are wearing seat belts.

Rule 4: Be Sober

- 1 No person is allowed to work under the influence of drugs and alcohol.
- 2 "Under the influence" means the use of alcohol, drugs, and/or a controlled substance to the extent that
 - 1 He individual's faculties are in any way impaired by the consumption or use of the substances; or
 - 2 The individual is unable to perform in a safe, productive manner; or
 - 3 The individual has a level of any such substance in his/her body that corresponds to or exceeds accepted medical/legal standards; or
 - 4 The individual has a level of alcohol in his/her body that is greater than 0.02% blood alcohol concentration.

This includes any level of an illegal substance in the body, irrespective of when the substance was used.

Rule 5: Ensure that you have a permit to work

Where an authorisation limitation exists, no person shall work without the required Permit to Work (PTW), which is governed by the Plant Safety Regulations, Operating Regulations for High Voltage Systems (ORHVS) etc.

No plant is to be returned to service without the cancellation of all permits on that plant in accordance with procedure.

NB: In the case of live work, a "live work declaration form" is to be completed by the authorised person who is the person responsible for the safe execution of work according to relevant standards and procedures.

Please ensure that these rules are understood and communicated with the urgency that they deserve. If any of these rules are unclear or the consequences not understood, please do not hesitate to discuss it with Eskom.

We would like to continue our current partnership and therefore urge your support in the implementation and upholding of these rules.

5.10 Environmental constraints and management

The *Supplier* shall comply with the health and safety requirements contained the *Purchaser's* SHE Specification.

5.11 Quality

Quality check sheet should be in place.

The *Supplier* will be expected to comply with Supplier Quality Management Specification 240-105658000 (previously called QM58) and ISO: 9001 requirements and other Eskom Holdings SOC Limited's Standards and specifications.

5.12 Invoicing and payment

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

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

- Name and address of the *Supplier* and the *Supply Manager*,
- The contract number and title,
- *Supplier's* VAT registration number,
- The *Purchaser's* VAT registration number.
- Description of *goods* and *services* provided for each item invoiced based on the Price Schedule,
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT and
- (add others as required).

Detailed tax invoice, clearly showing: Eskom Holdings SOC LTD Electronic copy to Finance Shared Services Megawatt Park
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5.13 Insurance provided by the *Purchaser*

Refer to Annexure B – Insurance to be provided by the *Purchaser*

5.14 Contract change management

Clause 6 Compensation events of the NEC3 Supply Contract will apply to all changes in this contract.

5.15 Provision of bonds and guarantees

Not applicable

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

All records and quality documentation must be provided in hard copy and must be electronically emailed to the *Supply manager*

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

Not applicable

6.1.2 Limitations on subcontracting

Not applicable

6.1.3 Spares and consumables

Not applicable

6.1.4 Other requirements related to procurement

Not applicable

6.1.5 Cataloguing requirements by the *Supplier*

Not applicable

7 List of drawings

7.1 Drawings issued by the *Purchaser*

Not applicable

C3.2 *SUPPLIER'S* GOODS INFORMATION

Not applicable