



NEC3 Supply Contract (SC3)

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

and

**for SUPPLY AND DELIVERY OF ASH AND COAL SPARES
ON AN AS AND WHEN REQUIRED BASIS FOR THE
PERIOD OF FIVE (5) YEARS AT MAJUBA POWER
STATION**

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CONTRACT No.

PART C1: AGREEMENTS & CONTRACT DATA

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C1.1 Form of Offer & Acceptance

Offer

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

SUPPLY AND DELIVERY OF ASH AND COAL SPARES ON AN AS AND WHEN REQUIRED BASIS FOR THE PERIOD OF FIVE (5) YEARS AT MAJUBA POWER STATION

The tenderer, identified in the Offer signature block, has 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.

By the representative of the tenderer, deemed to be duly authorized, 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	Rates Only
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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	
Names(s)	
Capacity	
Data	
For the Employer	MAJUBA POWER STATION PRIVATE BAG X72727 WITBANK 1035
Name of witness	
Signature of witness	

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	Not Applicable	

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.

Signature		Signature	
Names(s)		Names(s)	
Capacity		Capacity	Power Station General Manager
Data		Data	
On behalf of		For the Employer	MAJUBA POWER STATION PRIVATE BAG X72727 WITBANK 1035
Name of witness		Name of witness	
Signature of witness		Signature of witness	

C1.2 SC3 Contract Data

Part one - Data provided by the Purchaser

Clause	Statement	Data
1	General	
	The conditions of contract are the core clauses and the clauses for Options	
		X1: Price adjustment for inflation
		X2: Changes in the law
		X7: Delay damages
		Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) 1	(If the December 2009 edition is to be used delete April 2013 and replace by December 2013)
10.1	The Purchaser 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
10.1	The Supply Manager is (name):	Sipho Majola
	Address	Eskom Holdings SOC Limited, Majuba Power Station, Private Bag 9001, Volksrust, 2470
	Tel	017 799 3594
	e-mail	MajolaSi@eskom.co.za
11.2(13)	The goods are	The supply and delivery of Ash and Coal Spares on an 'as and when' required basis
11.2(13)	The services are	The supply and delivery to Majuba Power Station on an 'as and when' required basis
11.2(14)	The following matters will be included in the Risk Register	Delivery Delays A Risk Register is to be maintained throughout the contract period
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 law of the contract is the law of	the Republic of South Africa

13.1	The language of this contract is	English
13.3	The period for reply is	Five [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 starting date is.	01 August 2025
30.1	The delivery date of the goods and services is:	14 days after receipt of Task Order, subject to stock availability. In the event that stock is not available an additional 7-14 days to deliver.
		The contract will be for a period of 60 months extending to 30 August 2030
		The Supplier is to meet the Quality requirements within three [3] months of contract placement
30.2	The Supplier does not bring the goods to the Delivery Place more than one week before the Delivery Date.	Unless on request
4	Testing and defects	
42	The defects date is	One [1] week after Delivery.
43.2	The defect correction period is	Four [4] weeks
42.2	The defects access period is	Defected spare will not be accepted
5	Payment	
50.1	The assessment interval is	Assessment will be done after every delivery
51.1	The currency of this contract is the	South African Rand
51.2	The period within which payments are made is	Sixty [60] days.
51.4	The interest rate is	<p>the publicly quoted prime rate of interest (calculated on a 365 day year) charged from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and</p> <p>(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption "Money Rates" in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted mutatis mutandis every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of</p>

South Africa Limited, whose appointment it shall not be necessary to prove.

6	Compensation events	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
7	Title	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
8	Risks, liabilities, indemnities and insurance	
80.1	These are additional Purchaser's risks	<ol style="list-style-type: none"> 1. Offloading of Goods 2. Industrial Action to excluding Supplier's personnel 3. Above average rainfall 4. In the event of Community strikes, a risk assessment must be done by the supplier e.g. alternative routes
88.1	The Supplier's liability to the Purchaser for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (zero Rand)
88.2	For any one event, the Supplier's liability to the Purchaser for loss of or damage to the Purchaser's property is limited to	<p>(1) for the Purchaser's existing and surrounding property in the care, custody and control of the Supplier the amount of the deductible (first amount payable) relevant to the event and</p> <p>(2) for all other existing Purchaser's property the applicable deductible as at contract date</p>
88.4	The Supplier's total liability to the Purchaser, for all matters arising under or in connection with this contract, other than the excluded matters, is limited to	the total of the Prices
88.5	The end of liability date is	A 12-month warranty on the spares supplied will be provided on condition that the Purchaser stores, installs, and maintains them correctly, however fair wear and tear will be excluded. This would also cover the spares supplied at the end of the contract period for 12 months after delivery
9	Termination and dispute resolution	
94.1	The Adjudicator is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an

Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).

94.2(3) The Adjudicator nominating body is: the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)

94.4(2) The tribunal is: arbitration

94.4(5) The arbitration procedure is the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.

94.4(5) The place where arbitration is to be held is South Africa
 The person or organization who will choose an arbitrator
 - if the Parties cannot agree a choice or
 - if the arbitration procedure does not state who selects an arbitrator, is the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.

10 Data for Option clauses

X1 Price adjustment for inflation

X1.1	The base date for indices is			
	The proportions used to calculate the annual Price Adjustment Factor are:	proportion	linked to index for	Index prepared by
		0.35	Seifsa Table G-1 Mechanical engineering	SEIFSA
		0.40	Seifsa Table G-1 Mechanical engineering	SEIFSA
		0.10	Seifsa Table L-2(A)	SEIFSA
		0.15	non-adjustable	
		1.00		

X2 Changes in the law

X2.1 A change in the law of South Africa is a compensation event if it occurs after the Contract Date

X7 Delay damages

X7.1	Delay damages for Delivery are	Delivery of	amount per day
		Task Order Spares	0.% of the order value

Z The additional conditions of contract are Z1 to Z15 always apply for Eskom

Z1 Cession delegation and assignment

Z1.1 The Supplier does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the Purchaser.

Z1.2 Notwithstanding the above, the Purchaser may on written notice to the Supplier cede and delegate its rights and obligations under this contract to any of its subsidiaries or any of its present divisions or operations which may be converted into separate legal entities as a result of the restructuring of the Electricity Supply Industry.

Z2 Joint ventures

Z2.1 If the Supplier constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organizations then these persons or organizations 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 organizations 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 goods, plant and materials	The replacement cost where not covered by the Purchaser’s insurance. The Purchaser’s policy deductible as at Contract Date, where covered by the Purchaser’s insurance.
Liability for loss of or damage to property (except the goods, plant and materials and equipment) and liability for bodily injury to or death of a person (not an employee of the Supplier) caused by activity in connection with this contract	Loss of or damage to property Purchaser’s property The replacement cost where not covered by the Purchaser’s insurance. The Purchaser’s policy deductible as at Contract Date, where covered by the Purchaser’s insurance. Other property The replacement cost Death of or bodily injury The amount required by the applicable law.
Liability for death of or bodily injury to employees of the Supplier 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 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

The Supply Requirements for this contract are as follows:
 [INCOTERMS do not apply].

1. The requirements for the supply are	Constraints (see clause 11.2 (5)) <ul style="list-style-type: none"> • No compensation is payable if the Supplier arrives on site without prior arrangement with the Purchaser. • All goods shall be delivered to the Main stores • The Purchaser has the right to refuse acceptance of any spares supplied which in the opinion of Purchaser, does not meet the requirements specified and will have a detrimental effect on equipment/plant performance. • The Supplier ensures that all items to be supplied are to the standard and quality accepted by the Purchaser and ensures that they are suitable for the purpose intended for by the manufacturer. • Material certificates will be submitted with all the spares delivered, if material certificate are not supplied with the delivery, the delivered items will not be accepted. • The Supplier shall have no claim against the Purchaser in respect of delay due to the above constraints. 	
2. The requirements for transport are	Supplier is responsible for transporting the goods to the delivery place.	
3. The delivery place is	Majuba Power Station - Main Stores	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	Supplier
	Checking packing and marking before dispatch	Supplier
	Contracting for transport	Supplier
	Pay costs of transport	Supplier
	Arrange access to delivery place	Purchaser
	Loading the goods	Supplier
	Unloading the goods	Purchaser/Supplier
5. Information to be provided by the Supplier	Title of document	

[Revise and complete as required]

All other information NOT pertinent to the above is given in the

C1.2 Contract Data

Part two - Data provided by the Supplier

Clause	Statement	Data				
10.1	The Supplier is (Name): Address Tel No.					
11.2(11)	The tendered total of the Prices is	Rates Only				
11.2(12)	The price schedule is in:	ZAR				
30.1	The delivery date of the goods and services is:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">goods and services</td> <td style="width: 50%; text-align: center;">delivery date</td> </tr> <tr> <td style="text-align: center;">1 All items</td> <td style="text-align: center;"> 14 days</td> </tr> </table>	goods and services	delivery date	1 All items	14 days
goods and services	delivery date					
1 All items	14 days					
63.2	The percentage for overheads and profit added to the Defined Cost is	0%				

PART 2: PRICING DATA

NEC3 Supply Contract

Document reference	Title	No of pages
C2.1	Pricing assumptions	
C2.2	The price schedule	1

C2.1 Pricing assumptions

How goods and services are priced and assessed for payment

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

Identified and defined terms	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate. (12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
Assessing the amount due	50.2	The amount due is the Price for each lump sum item in the Price Schedule which the <i>Supplier</i> has completed, where a quantity is stated for an item in the Price Schedule, an amount calculated by multiplying the quantity which the <i>Supplier</i> has completed by the rate, plus other amounts to be paid to the <i>Supplier</i> , less amounts to be paid by or retained from the <i>Supplier</i> . Any tax which the law requires the <i>Purchaser</i> to pay to the <i>Supplier</i> is included in the amount due.

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

Function of the Price Schedule

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

Preparing the *price schedule*

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

It will be assumed that the tendering supplier has

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

Prices;

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

Format of the *price schedule*

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

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

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

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

C2.2 the price schedule

Material No.	Units	Material Description	Quantity	Rate	Price
728591	Each	SWITCH, PROXIMITY: TYPE: INDUCTIVE SENSOR; SENSING RANGE: 5 MM; POTENTIAL: 10-55 VDC; CURRENT: 400 MA; ACTION: 1NO 1NC; CONTACT ARRANGEMENT: 1NO 1NC, NPN/PNP; CONTACT RATING: 400MILLIAMP; DIMENSIONS: dia m18 x lg 80 MM; CONNECTION: 2 WIRE, 6M CABLE. PUR/PVC; APPLICATION: ACTUATOR POSITION EASUREMENT; CLASSIFICATION: IP 67; SPECIFICATION: EN 60947-5-2; OEM P/N: IG 5620; CONECTION CABLE SIZE: 2 X 0.5 MM, SUPPLIED WITH TWO LOCK NUTS	350		
591360	Each	VALVE, SOLENOID: PIPE SIZE: 1 1/2 IN; STYLE: 2 WAY; POTENTIAL: 220 VAC; DESIGN RATING: 0.35-8.5 BAR; CONNECTION: BSP; BODY MATERIAL: BRASS; OPERATED: COIL; ENCLOSURE RATING: IP67; MEDIUM: AIR/WATER; POWER: 10.5 W; MODEL NO: SCG353A047	75		
737456	Each	SWITCH: TYPE: PENDULUM INCLINOMETER; POTENTIAL: 5-29 VDC; CURRENT: 20 MA; CONTACT ARRANGEMENT: ELECTRICAL TILT ANGLE 0-10 DEGREES; ACTION: TILTING DIGITAL X AND Y AXIS; CONTACT RATING: -18.5 TO 18.5 VDC; MOUNT: SURFACE MOUNT; APPLICATION: ASH STRUCTURAL MONITORING; SPECIFICATION: IP65; SUPPL P/N: PMP-10HT2L; 2 AXIS, ENCLOSE DAMPER OIL FOR VIBRATION CONTROL, MECHANICAL TILT ANGLE PLUS MINUS 12 MIN.	40		
732283	Each	CARD, MEMORY: TYPE: PCB; MEMORY SIZE: 2 GB; SUPPL P/N: CTO6DL + RAM; REFERENCE NO: BBT269763; SD CARD C/W SOFTWARE PROGRAM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	500		
723305	Each	DISPLAY UNIT: TYPE: LCD; POWER SOURCE: 24 V; READOUT: LINE DISPLAY; MANUF P/N: CTS 2000 MK8-2	60		
737452	Each	ENCODER: TYPE: LINARIX LINEAR SENSOR; CLASSIFICATION: IP64/65; POTENTIAL: 8-32 V; CURRENT: 20 MA; POWER: 0.64 W; SUPPL P/N: FRA-LU0-AC005-0413-AH30-PRM; 10M STROKE LENGHT, 100 MM COATED POLYAMIDE STAINLESS STEEL WIRE. ANALOGUE MAGNETIC ENCODER. TEMP -20 TO 80 DEGREES CELSIUS, PROGRAMMABLE START AND END POINT. ADAPTOR TO SUITE INSTALLATION TO BE INCLUDED. CONNECTOR WITH CABLE TO BE INCLUDED.	60		

CONTRACT TITLE: SUPPLY AND DELIVERY OF BURNER SPARES ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF FIVE YEARS (5) YEARS AT MAJUBA POWER STATION.

0737453	Each	CONVERTER, SIGNAL: TYPE: INTERNAL PREAMP; INPUT: 1; OUTPUT: 0-2 VDC; APPLICATION: IMPACT WEIGHER ASH CONDITIONER DISCHARGE; MOUNT: SURFACE; SUPPL P/N: 052285; MODEL NO: MKA261-000; HMI 361	50		
0737820	Each	TRANSMITTER, PRESSURE: RANGE: - 100 to 3000 KPA; OUTPUT: 4-20 MA; SUPPLY: 0-28 VDC; CONNECTION: 150 LB; ELECTRICAL CONNECTION: 2 WIRE; BODY MATERIAL: STAINLESS STEEL; DIAPHRAGM MATERIAL: STAINLESS STEEL; TYPE: GP; HAZADOUS LOCATION; APPLICATION: HOT WATER; CAPPILARY LENGTH: 2 M; CLASSIFICATION: CLASS 2; MOUNT: DIRECT MOUNT; ENCLOSURE: IEC IP67 NEMA6/6P; SUPPL P/N: 90262010; MODEL NO: HPM 87; PRESSURE TRANSMITTER WITH EXTENDED DIAPHRGRAM USING CAPILLIARY TUBE. TEMPERATURE: -90 TO 400 DEGREES CELSIUS, CONTACT ARRANGEMNT TEMPERATURE RANGE: -40 TO 85 DEGREES CELSIUS, SPAN LIMIT -30 TO 3000 KPA.	90		
728552	Each	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: D P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 24 VDC; TERMINAL: 8 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NUMBER 46.52.9.024.0040	100		
735585	Each	MODULE: TYPE: 10KVA K3 FGD 34 BRD 10 UPS 1 DFVU-00; INPUT: 220 V; OUTPUT: Unviversal Fan Fail Card; POWER SOURCE: MINIMUM 1 , MAXIMUM 3, PRICE R; MANUF P/N: 6911130000; REFERENCE NO: DT320876	30		
728592	Each		3		
737073	Each	TRANSMITTER, LEVEL: RANGE: 200-4000 MM; OUTPUT: 4-20 MA; SUPPLY: 19-253 VAC; CONNECTION: FLANGE DN50 /ASME, THREAD R 1 1/2, NPT1 1/2; WORKING PRESSURE: -25(vaccum) BAR; BODY MATERIAL: STAINLESS STEEL; ELECTRICAL CONNECTION: 2 WIRE / 4 WIRE; APPLICATION: ASH PLANT; SPECIFICATION: IP 66/62; MOUNT: SURFACE; ENCLOSURE: NEMA 4; MODEL NO: FT155-AAC2RVJ42A1A; REFERENCE NO: AB003C010FE; ROD PROBE FOR POINT LEVEL DETECTION OF FINE GRAINED TO COARSE GRAIN BULK SOLID. PROCESS TEMPERATURE -50 TO 180 DEGREES CELCIUS.	50		
737454	Each	LOAD CELL, FORCE WEIGHT: TYPE: DIFFERENTIAL TRANSFORMER; CAPACITY: 300 T; MOUNTING: CLAMPED; DIMENSIONS: ID 10 X OD 20 X LG 45 MM; MATERIAL: METAL CASING; SUPPL P/N: M940249AE10-15; USED AS LOAD SENSOR ON THERMO RAMSEY IMPACT WEIGHER	60		

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737059	Each	MODULE: TYPE: PROPORTIONAL AMPLIFIER CARD; INPUT: 0-8.4 V; OUTPUT: 750 MA; POWER SOURCE: 18-33V; DIMENSIONS: WD 76 X LG 103 MM; COMMERCIAL SIZE: APPROX 0.15 KG; SUPPL P/N: R909890143; REFERENCE NO: PVR24F/11; RE 95022/04:00	50		
731044	Each	CABLE, INSTRUMENT: TYPE: PDX; CONDUCTOR DIAMETER: 100 MM; CONDUCTOR QUANTITY: 5; CONDUCTOR MATERIAL: SILVER COPPER; VOLTAGE RATING: 220 V; INSULATION MATERIAL: ARMOURED; CLASSIFICATION: WEIGH BRIDGE; OVERALL LENGTH: 9,5 M; APPLICATION: WEIGH BRIDGE, TO CONNECT PDX LOAD CELL FOR COMMUNICATION; REFERENCE NO: PDX	200		
695803	Each	POWER SUPPLY: INPUT: 220-240 VAC; OUTPUT VOLTAGE: 13.8 VDC; OUTPUT CURRENT: 10 A; APPLICATION: 2-WAY RADIO BASE STATION; TYPE: FULLY INTEGRATED (NOVA); SPECIFICATION: IEC 60950; MODEL NO: POW 107 BBT MK1	50		
738015	Each	TRANSMITTER, PRESSURE: RANGE: -100 to 3000 KPA; OUTPUT: 4-20 MA; SUPPLY: 0-28 VDC; CONNECTION: 150 LB; ELECTRICAL CONNECTION: 2 WIRE; BODY MATERIAL: STAINLESS STEEL; DIAPHRAGM MATERIAL: 80255 FS ASA 150 LB RF 3166 HT BHT10042 DIA 316; TYPE: GP; HAZADOUS LOCATION; APPLICATION: HOT WATER; CAPPILARY LENGTH: 2 M; CLASSIFICATION: CLASS 2; MOUNT: DIRECT MOUNT; ENCLOSURE: IEC IP67 NEMA6/6P; SUPPL P/N: AEM5944F; MODEL NO: FUJI - FKGW03V5A-CYYAA; WITH EXTENDED DIAPHGRAM USING CAPIILLIARY TUBE. TEMPERATURE: -90 TO 400 DEGREES CELSIUS	25		
0728553	Each	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: T P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 230 V; TERMINAL: 14 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: 55.34.8.230.0040	100		
728574	Each	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: T P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 24 VDC; TERMINAL: 14 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NUMBER 55.34.9.024.0040	100		
728550	Each	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: D T D P; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 220 V; TERMINAL: 8 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NUMBER 60.12.8.230.0040	100		
728593	Each	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: SINGLE POLE, D P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 24 V; TERMINAL: 8 PIN; MOUNT: BASE;	100		

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		CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NO: 60.12.8.024.0040		
728589	Each	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: T P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 24 V; TERMINAL: 11 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: 60.13.9.024.0040	100	
728590	Each	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: T P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 230 V; TERMINAL: 11 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NO: 60.13.9.230.0040	100	
737060	Each	CONVERTER, SIGNAL: TYPE: UA2- IUPN; INPUT: 0 TO +/- 10 V; OUTPUT: 0 TO +/- 10 V; POWER SOURCE: 230 V; MOUNT: 11 PIN PLUG IN MODULE; RANGE ACCURACY +/- 5%, TEMPERATURE 20 TO 70 DEGREES CELSIUS	50	
737064	Each	TRANSMITTER, LEVEL: RANGE: 4-45 M; OUTPUT: 4-20 MA; SUPPLY: 19-253 VAC; CONNECTION: FLANGE ACMC 1 1/2/2"-8" DNSO, THREAD 9 1/2, NNPT, 1/2; WORKING PRESSURE: - 16 (VACCUM) BAR; BODY MATERIAL: STAINLESS STEEL; ELECTRICAL CONNECTION: 2 WIRE / 4 WIRE; APPLICATION: ASH PLANT; SPECIFICATION: IP 66/62; MOUNT: SURFACE; SUPPL P/N: LEVER FLEX FMP57-HP90/0; V6000321132; ROPE PROBE, PROCESS CONNECTION STARTING 3/4" THREAD OR FLANGE. PROCESS TEMP: -40 TO +180 DEGREES CELSIUS. ACCURACY +/- 2MM	60	
0732286	Each	LOAD CELL, FORCE WEIGHT: TYPE: DIGITAL WEIGHT PROCESSOR (DWP); CAPACITY: 300000 KG; MOUNTING: SHALLOW PIT TYPE; DIMENSIONS: DIA 109.6 X HT 150 MM; MATERIAL: STAINLESS STEEL; POTENTIAL: 26.4 V; SUPPL P/N: 42904883; MODEL NO: SL820; SL820-50T	75	
737432	Each	SWITCH: TYPE: TILTMETER; POTENTIAL: 20-30 VDC; CURRENT: 4- 20 MA; CONTACT ARRANGEMENT: NO CONTACTCS USES ANGLES; ACTION: HIGH GAIN STANDARD AND WIDE ANGLE; CONTACT RATING: -0.5 - 05 DEGREES; MOUNT: SURFACE; APPLICATION: STRUCTURAL MONITOR ASH; MODEL NO: C 801; REFERENCE NO: TUFF TILT 420; UNITS ARE AVAILABLE IN SINGLE AXIS (UNIAXIAL) & DUAL AXIS (BI-AXIAL) TILT CONFIGURATIONS, TILT METER IS CURRENT LOOPED POWERED THEREFORE MEASUREMENTS ARE MADE USING ECONOMICAL 2 WIRE PAIR	40	
37475	Each	DETECTOR: TYPE: NUCLEAR LEVEL; RATING: 220 V AC; REFERENCE NO: 885813; POINT LEVEL SWITCH MODULE, TN SERIES, PNF	150	

		ELECTRONICS			
121576	Each	BLOCK, CONTACT: TYPE: PUSHBUTTON; POTENTIAL: 48 VDC; CIRCUIT: 4; CURRENT: 1 A; TERMINAL: PUSH ON; SUPPL P/N: PB1-4; PLASTIC; 30MM WD X LG 42.5MM X 44MM HT	100		
121588	Each	SWITCH: TYPE: TILT BLOCK CHUTE DETECTOR; POTENTIAL: 24 VDC; CONTACT ARRANGEMENT: 1NC; MOUNT: HOOK; SUPPL P/N: 2039; HEAVY DUTY TILT	75		
185648	Each	MODULE: TYPE: SURGE ARRESTOR; INPUT: 48 VDC; OUTPUT: 48 VDC; POWER SOURCE: 24 V DC; APPLICATION: DCS; DIMENSIONS: WD 30 X LG 50 X HT 15 MM; SUPPL P/N: A9L _z 16339	50		
185984	Each	TRANSMITTER, TEMPERATURE: RANGE: 0-150 DEG C; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; MOUNT: HEAD; SUPPL P/N: 5333; PT 100, PROGRAMMABLE	1000		
193801	Each	TRANSMITTER, PRESSURE: RANGE: 0-16 MPA; OUTPUT: 50-500 BAR; SUPPLY: 24 VDC; CONNECTION: 1/4 IN-NPT; 1-500 BAR LIMIT	60		
210801	Each	TRANSMITTER, PRESSURE: RANGE: 0-10 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 V; CONNECTION: 1/2 IN; ELECTRICAL CONNECTION: STD 20 MM	60		
210802	Each	TRANSMITTER, LEVEL: RANGE: 0-10 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VAC; CONNECTION: 1/2 IN; WORKING PRESSURE: 10 MPA; TYPE: MEASUREMENT; BODY MATERIAL: POLYURETHANE; ALUMINIUM COATED; DIAPHRAGM MATERIAL: SS GR 316; ELECTRICAL CONNECTION: TERMINALS; APPLICATION: AUX LP SYSTEM; MOUNT: CLAMP; ENCLOSURE: IP66; SUPPL P/N: 2051TG2A2B21AS5M4Q40306RT12AA11	60		
211231	Each	HOUSING: TYPE: POSITION INDICATOR; MATERIAL: PC; SUPPL P/N: TVA-M2WYNM; LINEAR TWIST SET FOR ACTUATORS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	100		
213576	Each	TRANSMITTER, PRESSURE: RANGE: 0-250 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; ELECTRICAL CONNECTION: 2 WIRE; SUPPL P/N: HAD3744-A-250-000; OEM	60		
213801	Each	TRANSMITTER, LEVEL: RANGE: 70 M; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: DN 40; WORKING PRESSURE: 100 BAR; TYPE: GUIDED RADAR; BODY MATERIAL: STAINLESS STEEL; ELECTRICAL CONNECTION: TERMINALS; APPLICATION: ASH LEVEL; MOUNT: FLANGE	50		
215430	Each	SWITCH, LIMIT: POTENTIAL: 500 VAC; CURRENT: 3 A; ACTUATOR: MECHANICAL ARM; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: IP66; SUPPL P/N: XCK-J H29; ACTION 2 X SINGLE	100		

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216157	Each	MODULE: TYPE: BLOCKED CHUTE REMOTE; INPUT: 700 VDC; OUTPUT: 15 VDC; POWER SOURCE: 700 V DC; SUPPL P/N: CIR.0007.1	60		
216158	Each	MODULE: TYPE: BLOCKED CHUTE; INPUT: 15 V; OUTPUT: 700 VDC; POWER SOURCE: 220 V; SUPPL P/N: CIR-A3-0019-PA-1520/A	60		
216773	Each	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: -50 TO 500 DEG C; WIRE: 3; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: THD 1/2 IN; HEAD: YES; TOLERANCE: CL B; SUPPL P/N: T1 RAB; ELEMENT SIZE 9.5MM X 120MM, ALUMINIUM HEAD FORM AS, WELDED, SIMPLEX, DINIEC 751	500		
216792	Each	TRANSMITTER, PRESSURE: RANGE: 0-10 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: 1/2 IN; SS	50		
121642	Each	SWITCH, LIMIT: POTENTIAL: 380 VAC; CURRENT: 10 A; ACTION: SPDT; ACTUATOR: PLUNGER; CONTACT ARRANGEMENT: 1NO 1NC; SPECIFICATION: IEC 337-1; NFC 63-145; VDE 0660 TEIL; SUPPL P/N: ZCK J5H29	100		
216973	Each	TRANSMITTER, PRESSURE: RANGE: 0-1000 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: 1/4 IN-NPT; ELECTRICAL CONNECTION: 2 WIRE; DIAPHRAGM MATERIAL: CERAMIC; TYPE: DIFFERENTIAL PRESSURE; MOUNT: PIPE/WALL; ENCLOSURE: IP67; SUPPL P/N: PMC 731 - G31P1M11M1; CERAMIC CELL	60		
219047	Each	SENSOR: TYPE: ULTRASONIC LEVEL; RANGE: 0-6 M; RATING: 24 V DC; SUPPL P/N: FDU80RG1A	40		
219048	Each	CONVERTER, FREQUENCY: SUPPL P/N: FTFW1422UC2; FOR SSC SPEED	30		
219049	Each	SWITCH, SPEED: POTENTIAL: 10-30 VDC; CURRENT: 200 MA; CALIBRATION: 2 MM; CONTACT ARRANGEMENT: NPN; APPLICATION: SUBMERGED SCRAPER CONVEYOR; DIMENSIONS: DIA 12 X LG 40 MM; MOUNT: M 12 FINE; CLASSIFICATION: IP67; SPECIFICATION: DIN 40050; SUPPL P/N: IS-12-A4-03; SPECIFICATION: DATALOGIC-95B061211-IS-12-A4-03; TYPE SSC SPEED MAIN DRIVE	30		
219122	Each	CAMERA, MOTION PICTURE: CAMERA TYPE: CCTV; LENS FOCAL LENGTH: 3.5-8 MM; FOCUS METHOD: MANUAL; SUPPL P/N: 2GF1118-8FB; REFERENCE NO: CCBS1337-MP; CONTROL: DIRECT/VIDEO DRIVE; AND 250 MM OUTDOOR HOUSING; BLACK AND WHITE CLOSED CIRCUIT TV; SUPPLY: 220VAC	30		
219139	Each	SWITCH, LEVEL: METHOD OF ACTUATION: FLOAT DIFFERENTIAL ANGLE OF 20 DEG; RANGE: ADJUSTABLE; POTENTIAL: 12-250 VAC; CURRENT: 16 A; ACTION: (2) SPDT; CONTACT ARRANGEMENT: 1NO 1NC; DIMENSIONS: DIA 80 X LG 150 MM; ELECTRICAL CONNECTION: CABLE; CABLE LENGTH: 5 M; ENCLOSURE: PP;	75		

CONTRACT TITLE: SUPPLY AND DELIVERY OF BURNER SPARES ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF FIVE YEARS (5) YEARS AT MAJUBA POWER STATION.

		ENCLOSURE RATING: IP68; CLASSIFICATION: NON HAZARDOUS; SPECIFICATION: ATEX; CONTACT RATING: 0.5 A; SUPPL P/N: ATMI/07XLHY		
219219	Each	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: -50 TO 500 DEG C; RESISTANCE: 100 OHM; SHEATH LENGTH: 300 MM; WIRE: 3; SHEATH SIZE: 6 MM; SHEATH MATERIAL: ALUMINIUM; PROCESS CONNECTION: THREADED; HEAD: KN4A; TOLERANCE: 0.5 PCT; SHEATH DIAMETER: 6 MM; NUMBER OF SENSORS: SIMPLEX; 0 DEG C; ELEMENT MATERIAL SS; ELEMENT SIZE DIA 6 MM X LG 300 MM	50	
219377	Each	GEARBOX: TYPE: METRIC SERVO ENCODER; RATIO: 8:1; SPEED: 1500 RPM; SUPPL P/N: DES7; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	50	
220047	Each	VALVE, SOLENOID: PIPE SIZE: 1/2 IN; STYLE: 2 WAY; POTENTIAL: 24 VDC; CONNECTION: THD; BODY MATERIAL: BRASS; OPERATED: NO; ENCLOSURE RATING: IP65; MEDIUM: AIR/WATER; ORIFICE SIZE: 12 MM; COIL: CL H; SINGLE; SUPPL P/N: SCE238A002; PRESSURE RATING 10BAR AT 85DEG C; TEST CERTIFICATES TO BE SUPPLIED ON DELIVERY; FFP DAMPERS SOLENOID	50	
220136	Each	SWITCH, LIMIT: POTENTIAL: 24 VDC; ACTION: 2PST; ACTUATOR: ROLLER LEVER; CONTACT ARRANGEMENT: 1NO 2NC; ENCLOSURE: IP65; NEMA A600; SUPPL P/N: WLCA12-Y; TYPE 3/4 AND 13, 100MM LEVER WITH ROLLER, FFP ROTATING MANIFOLD ROTATION SWITCH	150	
222442	Each	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-5 MM; POTENTIAL: 24 V; CURRENT: 50 MA; ACTION: SPST; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 24 V DC; DIMENSIONS: DIA 18 X LG 85.5 MM; CONNECTION: FIXED CABLE; APPLICATION: VALVE INDICATION; SUPPL P/N: ISM03; THREADED MOUNT	150	
222856	Each	TRANSMITTER, PRESSURE: RANGE: -10 TO 10 KPA; OUTPUT: 0.1-10 KPA; SUPPLY: 24 V; CONNECTION: 1/2 IN; SUPPL P/N: EJX110A-DLS4G-919EB	100	
223403	Each	SENSOR: TYPE: PHOTO RX; RANGE: 5 M; RATING: 24; SUPPL P/N: LR110AP3815; FOR TIPPLER TRUCK POSITIONING	50	
223404	Each	SENSOR: TYPE: PHOTO TX; RANGE: 5 M; RATING: 24 V; SUPPL P/N: LT110AP3805; FOR TIPPLER PLANT TRUCK POSITIONING	50	
223405	Each	RELAY: TYPE: PHOTO SENSOR CONVERTER; COIL VOLTAGE: 24 VDC; CONTACT ARRANGEMENT: 2NO; CONTACT RATING: 250 VAC 3 A; TERMINAL: 11 PIN; ENCLOSURE RATING: PLASTIC; CONTACT MATERIAL: CU; SUPPL P/N: MPA21B503	30	

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185985	Each	SENSOR, TEMPERATURE: MAXIMUM OPERATING TEMP: -40 TO +85 DEG C; STYLE DESIGNATOR: 2 WIRE; INCLOSURE TYPE: IP68; MOUNT: HEAD MOUNT; OUTPUT SIGNAL: 4-20 MA; SPECIFICATION: IEC60068-2-6; SUPPL P/N: 5334; 2 WIRE SYSTEM, T/C PROGRAMMABLE	100		
234645	Each	TRANSMITTER, PRESSURE: RANGE: 0-100 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 V; SUPPL P/N: 7MF4033-1BA00-1AB6-Z+A02+B11	60		
235807	Each	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-15 MM; POTENTIAL: 10-55 VDC; CURRENT: 400 MA; ACTION: PNP/NPN; CONTACT ARRANGEMENT: 2NC; CONTACT RATING: 4.6 V; CONNECTION: THD; SUPPL P/N: I15436	150		
576209	Each	TRANSMITTER, PRESSURE: RANGE: 16-1600 MBAR; OUTPUT: 4-20 MA; SUPPLY: 24 V; CONNECTION: FNPT 1/4IN-18MM; ELECTRICAL CONNECTION: SCREW; BODY MATERIAL: STAINLESS STEEL; DIAPHRAGM MATERIAL: STAINLESS STEEL; APPLICATION: BOILER; MOUNT: BRACKET; ENCLOSURE: IP65; MANUF P/N: 7MF4433-1FA02-1AB6-ZA02+B11; SCREW GLAND M20 X 1.5MM; INDUSTRIAL AREAS WITH CHEMICAL/MECHANICAL LOADS; SITRANS P DSIII; NO CONTACT, 2 WIRE TRANSMITTER	40		
617731	Each	ENCODER: TYPE: TIPLER BARREL DRIVER; CLASSIFICATION: IP66; SIZE: WD 240 X LG 104 MM; POTENTIAL: 5-28 V; CURRENT: 100-250 MA; POWER: 7 W; SPECIFICATION: ISO 9001; SUPPL P/N: 92401026469; REFERENCE NO: 92401026469; PACK ENCODER IN A BOX TO PREVENT DUST INGRESS; -25 TO 90 DEGREE CELSIUS	10		
241312	Each	POWER SUPPLY: INPUT: 220 VAC; OUTPUT VOLTAGE: 24 VDC; SUPPL P/N: C2440A; OMNITERM B-PSU	50		
650153	Each	TRANSMITTER, LEVEL: RANGE: 35 M; OUTPUT: 4-20 MA; SUPPLY: 220 VAC; CONNECTION: THREAD 1/2 IN; WORKING PRESSURE: 2 BAR; BODY MATERIAL: PLASTIC 2 CHAMBER; DIAPHRAGM MATERIAL: PVDF; ELECTRICAL CONNECTION: TERMINALS; APPLICATION: HEAD TANK LEVEL; SPECIFICATION: PS61; MOUNT: FLANGE; ENCLOSURE: IP66; OEM P/N: PS61.XXAGPBRMKX; ZC1863658	25		
0144401	Each	POWER SUPPLY: INPUT: 18-30 VDC 280 W; OUTPUT VOLTAGE: 5 VDC; OUTPUT CURRENT: 1-40 A; SUPPL P/N: DSSR 122; FOR DC INPUT/OUTPUT ON MP 200, ARTICLE NUMBER 4899-0001-NK	30		
0144402	Each	POWER SUPPLY: INPUT: 245 V 50-60 HZ; OUTPUT VOLTAGE: 25 VDC; OUTPUT CURRENT: 1-25 A; SUPPL P/N: DSSA165; 4899-0001-LY; FOR MP200	30		
0186162	Each	TRANSMITTER: TYPE: PULSE 65/LEVEL MICROWAVE; RANGE: 35 M; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; SUPPL P/N: PS65.XXKGPHKMXX; VEGA HS-CODE 90261029	60		

CONTRACT TITLE: SUPPLY AND DELIVERY OF BURNER SPARES ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF FIVE YEARS (5) YEARS AT MAJUBA POWER STATION.

0209699	Each	SWITCH, LEVEL: METHOD OF ACTUATION: CAPACITANCE; RANGE: 200-4000 MM; POTENTIAL: 19-253 / 10-55 V AC/DC; CURRENT: 6 A; POWER: 1.6 KW; ACTION: VERTICAL & HORIZONTAL; CONTACT ARRANGEMENT: NO; DIMENSIONS: DIA 85 X L 8-157 IN; APPLICATION: ASH VESSELS; ELECTRICAL CONNECTION: 3 WIRE; CABLE LENGTH: 0 MM; ENCLOSURE: IP66/67; ENCLOSURE RATING: IP66; CLASSIFICATION: LEVEL MONITOR; SPECIFICATION: EN 10204-3.1; CONTACT RATING: 10-55 V DC; SUPPL P/N: FT155-AAC2RVJ42A1A; MODEL NO: FE154/71025814; ASH DCP PRESSURE VESSELS, CAPACITANCE LEVEL SWITCH, SOLICAP M, 4-20 MA	50		
0216661	Each	METER, FLOW: CONNECTION: FLANGE 100 MM; RANGE: 0-10DM2/S; MATERIAL: CI; MEDIUM: ASH WATER; SUPPL P/N: 53P DN 50; PROMAG	30		
0217688	Each	MODULE: TYPE: FEEDER SPEED; INPUT: 24 V; OUTPUT: 0.1-0.2 V; POWER SOURCE: 24 V; SUPPL P/N: E-ME-AC-01/F/1	30		
0219046	Each	TRANSMITTER, LEVEL: RANGE: 0-10 M H2O; OUTPUT: 4-20 MA; SUPPLY: 220 VAC; CONNECTION: TERMINAL 0.55 IN; WORKING PRESSURE: 6 BAR; TYPE: ULTRASONIC; BODY MATERIAL: POLYCARBONATE; APPLICATION: ASH LEVEL; MOUNT: FIELD; SUPPL P/N: FMU 90-R11CA232AA1A; PROSONIC; ITEM SUPERSEDED BY 0685544	50		
0219140	Each	TRANSMITTER, FLOW: TYPE: E AND H; RANGE: 0-20 L/S; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; WORKING PRESSURE: 16 BAR; BODY MATERIAL: AL ALLOY; DIAPHRAGM MATERIAL: PFA LINED; ELECTRICAL CONNECTION: GLAND ENTRY; APPLICATION: WTP; ENCLOSURE: IP67; SUPPL P/N: 53P50-EAOB1AAOAAAA; MODEL NO: PROMAG53; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	30		
0219141	Each	POSITIONER: TYPE: PNEUMATIC; MATERIAL: POLYCARBONATE; SUPPL P/N: MP612ESS; SUPPLY PRESSURE: 600KPA; INPUT: 4-20MA; OUTPUT: 20-100KPA; WITH CONVERTER; MOTION; FOR USE ON ASH HOPPER FLAP VALVES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	180		
0219964	Each	POSITIONER: TYPE: ELECTROPNEUMATIC; MATERIAL: METAL/PLASTIC; SUPPL P/N: TZID-C; DOUBLE ACTING, 4-20MA FEEDBACK CARD, 4 WIRE, IP65 ENCLOSURE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	75		

CONTRACT TITLE: SUPPLY AND DELIVERY OF BURNER SPARES ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF FIVE YEARS (5) YEARS AT MAJUBA POWER STATION.

0230127	metres	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 7 CORE, CU; CONDUCTOR SIZE: 0.297 MM; SHEATH MATERIAL: PVC; INSULATION: PVC; SUPPL P/N: UVG08ACV; WHITE STRIPE; PVC	2000		
0230129	metre	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 7 CORE, CU; CONDUCTOR SIZE: 0.297 MM; INSULATION: PVC; SUPPL P/N: UVG20ACV; WHITE STRIPE; PVC	2000		
0230130	metres	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 7 CORE, CU; CONDUCTOR SIZE: 0.297 MM; SHEATH MATERIAL: PVC; INSULATION: PVC; SCREEN: BARE; SUPPL P/N: UVG40ACV; WHITE STRIPE; PVC	2000		
230125	meters	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 7 CORE, CU; CONDUCTOR SIZE: 0.297 MM; INSULATION: PVC; SUPPL P/N: UVG02ACV; WHITE STRIPE; PVC	2000		
209699	Each	SWITCH, LEVEL: METHOD OF ACTUATION: CAPACITANCE; RANGE: 200-4000 MM; POTENTIAL: 19-253 / 10-55 V AC/DC; CURRENT: 6 A; POWER: 1.6 KW; ACTION: VERTICAL & HORIZONTAL; CONTACT ARRANGEMENT: NO; DIMENSIONS: DIA 85 X L 8-157 IN; APPLICATION: ASH VESSELS; ELECTRICAL CONNECTION: 3 WIRE; CABLE LENGTH: 0 MM; ENCLOSURE: IP66/67; ENCLOSURE RATING: IP66; CLASSIFICATION: LEVEL MONITOR; SPECIFICATION: EN 10204-3.1; CONTACT RATING: 10-55 V DC; SUPPL P/N: FT155-AAC2RVJ42A1A; MODEL NO: FE154/71025814; ASH DCP PRESSURE VESSELS, CAPACITANCE LEVEL SWITCH, SOLICAP M, 4-20 MA	60		
0640075	Each	VALVE, CHECK: TYPE: NON RETURN; VALVE SIZE: OD 15 MM; DESIGN RATING: 100 BAR; TEMPERATURE RATING: 20-90 DEG C; CONNECTION: BSP 1/2 IN; BODY MATERIAL: MILD STEEL; FACE TO FACE LENGTH: 60.5 MM; OPERATED: NRV; OEM P/N: RHV-15L ED	60		
193758	Each	SWITCH, LIMIT: POTENTIAL: 24 VAC/DC; CURRENT: 13-15 A; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: IP67; ACTION SINGL THROW, ACTUATOR FRONT, FOR USE ON YARWAY LEAK-OFF VALVE			
216820	Each	COUPLING, CONDUIT: TYPE: RIGID; SIZE: 200 X 230 MM; CONNECTION: 70-90 MM; MATERIAL: STL; SUPPL P/N: 30-400-70/120; MALE AND FEMAL BORE SIZES: 100/110; LOCKING ELEMENTS OUTSIDE DIAMETERS: 100 X 110MM; BORES: 70 X 90MM; THE COUPLING MUST BE DELIVERED AS A COMPLETE SET WITH BOLTS AND NUTS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	30		
0179522	Each	MONITOR, VIDEO: REFERENCE NO: 2XV4111-2MR01	30		

CONTRACT TITLE: SUPPLY AND DELIVERY OF BURNER SPARES ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF FIVE YEARS (5) YEARS AT MAJUBA POWER STATION.

0180534	Each	MONITOR, VIDEO: TYPE: DELL FP/BL; SIZE: 24 IN; POWER SOURCE: 220 V; REFERENCE NO: DELL-U2417H; WIDE ASPECT ULTRA SHARP, W/HAS	30		
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PART 3: SCOPE OF WORK

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C3.1: PURCHASER'S GOODS INFORMATION

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Overview and purpose of the goods and services

To place a five (5) years contract for the supply and delivery of ASH and COAL spares as and when required. Ash and Coal plants are essential plants which may cause multiple shutdown of machines in case of a Breakdown and spares are not available, the organization will suffer production loss and /or plant unreliability.

Contract is expected to start on the 01 August 2025 and ends on the 30 August 2030 for Majuba Power Station Therefore purchase orders will be placed as and when required to replenish stock level at Majuba Power Station Stores.

Specification and description of the goods

Supply and delivery of ASH and Coal Spares with unique material numbers and material specifications as detailed in the table below

Supplier responsible for ensuring that he/she is performing against the correct drawing revision number (if applicable).

Item No.	Material No.	Material Description	Purchase Order Text	Quantity
1	728591	SWITCH PRXMY:IG 5620;INDUCTIVE SENSOR;5	SWITCH, PROXIMITY: TYPE: INDUCTIVE SENSOR; SENSING RANGE: 5 MM; POTENTIAL: 10-55 VDC; CURRENT: 400 MA; ACTION: 1NO 1NC; CONTACT ARRANGEMENT: 1NO 1NC, NPN/PNP; CONTACT RATING: 400MILLIAMP; DIMENSIONS: dia m18 x lg 80 MM; CONNECTION: 2 WIRE, 6M CABLE. PUR/PVC; APPLICATION: ACTUATOR POSITION EASUREMENT; CLASSIFICATION: IP 67; SPECIFICATION: EN 60947-5-2; OEM P/N: IG 5620; CONECTION CABLE SIZE: 2 X 0.5 MM, SUPPLIED WITH TWO LOCK NUTS	350
2	591360	VALVE SLND:11/2 IN;2 WAY;220 VAC;BSP;BRS	VALVE, SOLENOID: PIPE SIZE: 11/2 IN; STYLE: 2 WAY; POTENTIAL: 220 VAC; DESIGN RATING: 0.35-8.5 BAR; CONNECTION: BSP; BODY MATERIAL: BRASS; OPERATED: COIL; ENCLOSURE RATING: IP67; MEDIUM: AIR/WATER; POWER: 10.5 W; MODEL NO: SCG353A047	75

3	737456	Digital X and Y Axis Switch SWITCH:PENDULUM INCLINOMETER;5-29 VDC	SWITCH: TYPE: PENDULUM INCLINOMETER; POTENTIAL: 5-29 VDC; CURRENT: 20 MA; CONTACT ARRANGEMENT: ELECTRICAL TILT ANGLE 0-10 DEGREES; ACTION: TILTING DIGITAL X AND Y AXIS; CONTACT RATING: -18.5 TO 18.5 VDC; MOUNT: SURFACE MOUNT; APPLICATION: ASH STRUCTURAL MONITORING; SPECIFICATION: IP65; SUPPL P/N: PMP-10HT2L; 2 AXIS, ENCLOSE DAMPER OIL FOR VIBRATION CONTROL, MECHANICAL TILT ANGLE PLUS MINUS 12 MIN.	40
4	732283	Memory Card (2Giga byte)	CARD, MEMORY: TYPE: PCB; MEMORY SIZE: 2 GB; SUPPL P/N: CTO6DL + RAM; REFERENCE NO: BBT269763; SD CARD C/W SOFTWARE PROGRAM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	500
5	723305	Display Unit (24V LCD)	DISPLAY UNIT: TYPE: LCD; POWER SOURCE: 24 V; READOUT: LINE DISPLAY; MANUF P/N: CTS 2000 MK8-2	60
6	737452	ENCODER:LINARIX LINEAR SENSOR;IP64/65;20	ENCODER: TYPE: LINARIX LINEAR SENSOR; CLASSIFICATION: IP64/65; POTENTIAL: 8-32 V; CURRENT: 20 MA; POWER: 0.64 W; SUPPL P/N: FRA-LU0-AC005-0413-AH30-PRM; 10M STROKE LENGTH, 100 MM COATED POLYAMIDE STAINLESS STEEL WIRE. ANALOGUE MAGNETIC ENCODER. TEMP -20 TO 80 DEGREES CELSIUS, PROGRAMMABLE START AND END POINT. ADAPTOR TO SUITE INSTALLATION TO BE INCLUDED. CONNECTOR WITH CABLE TO BE INCLUDED.	
7	0737453	CONVERTER SGNL:INTERNAL PREAMP;I/P 1.HMI361	CONVERTER, SIGNAL: TYPE: INTERNAL PREAMP; INPUT: 1; OUTPUT: 0-2 VDC; APPLICATION: IMPACT WEIGHER ASH CONDITIONER DISCHARGE; MOUNT: SURFACE; SUPPL P/N: 052285; MODEL NO: MKA261-000; HMI 361	50

8	0737820	Pressure Transmitter (90262010 HS Code)	TRANSMITTER, PRESSURE: RANGE: -100 to 3000 KPA; OUTPUT: 4-20 MA; SUPPLY: 0-28 VDC; CONNECTION: 150 LB; ELECTRICAL CONNECTION: 2 WIRE; BODY MATERIAL: STAINLESS STEEL; DIAPHRAGM MATERIAL: STAINLESS STEEL; TYPE: GP; HAZADOUS LOCATION; APPLICATION: HOT WATER; CAPPILARY LENGTH: 2 M; CLASSIFICATION: CLASS 2; MOUNT: DIRECT MOUNT; ENCLOSURE: IEC IP67 NEMA6/6P; SUPPL P/N: 90262010; MODEL NO: HPM 87; PRESSURE TRANSMITTER WITH EXTENDED DIAPHGRAM USING CAPILLIARY TUBE. TEMPERATURE: -90 TO 400 DEGREES CELSIUS, CONTACT ARRANGEMNT TEMPERATURE RANGE: -40 TO 85 DEGREES CELSIUS, SPAN LIMIT -30 TO 3000 KPA.	90
9	728552	24V 8 pin Time Delay Relay (46.52.9.024.0040)	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: D P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 24 VDC; TERMINAL: 8 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NUMBER 46.52.9.024.0040	100
10	735585	Wind Speed Sensor (03102)	MODULE: TYPE: 10KVA K3 FGD 34 BRD 10 UPS 1 DFVU-00; INPUT: 220 V; OUTPUT: Universal Fan Fail Card; POWER SOURCE: MINIMUM 1 , MAXIMUM 3, PRICE R; MANUF P/N: 6911130000; REFERENCE NO: DT320876	30
11	728592	Jack, Hydraulic Han (5 Ton)		3
12	737073	Level Transmitter (AB003C010FE) PVTRANSMITTER LVL:200-4000 MM;O/P 4-20 MA	TRANSMITTER, LEVEL: RANGE: 200-4000 MM; OUTPUT: 4-20 MA; SUPPLY: 19-253 VAC; CONNECTION: FLANGE DN50 /ASME, THREAD R 1 1/2, NPT1 1/2; WORKING PRESSURE: -25(vaccum) BAR; BODY MATERIAL: STAINLESS STEEL; ELECTRICAL CONNECTION: 2 WIRE / 4 WIRE; APPLICATION: ASH PLANT; SPECIFICATION: IP 66/62; MOUNT: SURFACE; ENCLOSURE: NEMA 4; MODEL NO: FT155-AAC2RVJ42A1A; REFERENCE NO: AB003C010FE; ROD PROBE FOR POINT LEVEL DETECTION OF FINE GRAINED TO COARSE GRAIN BULK SOLID. PROCESS TEMPERATURE -50 TO 180 DEGREES CELCIUS.	50

13	737454	Load Cell impact weighter (M940249AE10-15)	LOAD CELL, FORCE WEIGHT: TYPE: DIFFERENTIAL TRANSFORMER; CAPACITY: 300 T; MOUNTING: CLAMPED; DIMENSIONS: ID 10 X OD 20 X LG 45 MM; MATERIAL: METAL CASING; SUPPL P/N: M940249AE10-15; USED AS LOAD SENSOR ON THERMO RAMSEY IMPACT WEIGHER	60
14	737059	Proportional Amplifire Card (Module) stacker	MODULE: TYPE: PROPORTIONAL AMPLIFIER CARD; INPUT: 0-8.4 V; OUTPUT: 750 MA; POWER SOURCE: 18-33V; DIMENSIONS: WD 76 X LG 103 MM; COMMERCIAL SIZE: APPROX 0.15 KG; SUPPL P/N: R909890143; REFERENCE NO: PVR24F/11; RE 95022/04:00	50
15	731044	PDX loadcell Cable	CABLE, INSTRUMENT: TYPE: PDX; CONDUCTOR DIAMETER: 100 MM; CONDUCTOR QUANTITY: 5; CONDUCTOR MATERIAL: SILVER COPPER; VOLTAGE RATING: 220 V; INSULATION MATERIAL: ARMOURED; CLASSIFICATION: WEIGH BRIDGE; OVERALL LENGTH: 9,5 M; APPLICATION: WEIGH BRIDGE, TO CONNECT PDX LOAD CELL FOR COMMUNICATION; REFERENCE NO: PDX	200
16	695803	POWER SUPPLY:I/P 220-240 VAC;13.8 VDC;10. Plough power supply	POWER SUPPLY: INPUT: 220-240 VAC; OUTPUT VOLTAGE: 13.8 VDC; OUTPUT CURRENT: 10 A; APPLICATION: 2-WAY RADIO BASE STATION; TYPE: FULLY INTEGRATED (NOVA); SPECIFICATION: IEC 60950; MODEL NO: POW 107 BBT MK1	50
17	738015	Pressure Transmitter (AEM5944E) for ssc flange	TRANSMITTER, PRESSURE: RANGE: -100 to 3000 KPA; OUTPUT: 4-20 MA; SUPPLY: 0-28 VDC; CONNECTION: 150 LB; ELECTRICAL CONNECTION: 2 WIRE; BODY MATERIAL: STAINLESS STEEL; DIAPHRAGM MATERIAL: 80255 FS ASA 150 LB RF 3166 HT BHT10042 DIA 316; TYPE: GP; HAZADOUS LOCATION; APPLICATION: HOT WATER; CAPPILARY LENGTH: 2 M; CLASSIFICATION: CLASS 2; MOUNT: DIRECT MOUNT; ENCLOSURE: IEC IP67 NEMA6/6P; SUPPL P/N: AEM5944F; MODEL NO: FUJI - FKGW03V5A-CYAA; WITH EXTENDED DIAPHGRAM USING CAPIILLIARY TUBE. TEMPERATURE: -90 TO 400 DEGREES CELSIUS	25
18	0728553	230V 14 pin Time Delay Relay (55.34.8.230.0040)	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: T P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 230 V; TERMINAL: 14 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: 55.34.8.230.0040	100

19	728574	24V 14 pin Time Delay Relay (55.34.9.024.0040)	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: T P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 24 VDC; TERMINAL: 14 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NUMBER 55.34.9.024.0040	100
20	728550	220V 8 pin Time Delay Relay (60.12.8.230.0040)	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: D T D P; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 220 V; TERMINAL: 8 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NUMBER 60.12.8.230.0040	100
21	728593	24V 8 pin Time Delay Relay (60.12.8.024.0040)	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: SINGLE POLE, D P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 24 V; TERMINAL: 8 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NO: 60.12.8.024.0040	100
22	728589	24V 11 pin Time Delay Relay (60.13.9.024.0040)	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: T P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 24 V; TERMINAL: 11 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: 60.13.9.024.0040	100
23	728590	230V 11 pin Time Delay Relay (60.13.9.230.0040)	RELAY, TIME DELAY: OPERATION: SWITCHING; CONTACT ARRANGEMENT: T P D T; ACTION: TWO PHASE; CONTACT RATING: 10 A; COIL VOLTAGE: 230 V; TERMINAL: 11 PIN; MOUNT: BASE; CONTACT MATERIAL: COPPER; MEDIUM: CURRENT FLOW; ENCLOSURE RATING: 10 A; REFERENCE NO: SERIAL NO: 60.13.9.230.0040	100
24	737060	Signal Converter 230V 11 pin (0102023500)	CONVERTER, SIGNAL: TYPE: UA2-IUPN; INPUT: 0 TO +/- 10 V; OUTPUT: 0 TO +/- 10 V; POWER SOURCE: 230 V; MOUNT: 11 PIN PLUG IN MODULE; RANGE ACCURACY +/- 5%, TEMPERATURE 20 TO 70 DEGREES CELSIUS	50

25	737064	TRANSMITTER LVL:4-45 M;O/P 4-20 MA;SS surge bin transmitter	TRANSMITTER, LEVEL: RANGE: 4-45 M; OUTPUT: 4-20 MA; SUPPLY: 19-253 VAC; CONNECTION: FLANGE ACMC 1 1/2/2"-8" DNSO, THREAD 9 1/2, NNPT, 1/2; WORKING PRESSURE: - 16 (VACCU) BAR; BODY MATERIAL: STAINLESS STEEL; ELECTRICAL CONNECTION: 2 WIRE / 4 WIRE; APPLICATION: ASH PLANT; SPECIFICATION: IP 66/62; MOUNT: SURFACE; SUPPL P/N: LEVER FLEX FMP57-HP90/0; V6000321132; ROPE PROBE, PROCESS CONNECTION STARTING 3/4" THREAD OR FLANGE. PROCESS TEMP: -40 TO +180 DEGREES CELSIUS. ACCURACY +/- 2MM	60
26	0732286	PDX loadcell for weight bridge	LOAD CELL, FORCE WEIGHT: TYPE: DIGITAL WEIGHT PROCESSOR (DWP); CAPACITY: 300000 KG; MOUNTING: SHALLOW PIT TYPE; DIMENSIONS: DIA 109.6 X HT 150 MM; MATERIAL: STAINLESS STEEL; POTENTIAL: 26.4 V; SUPPL P/N: 42904883; MODEL NO: SL820; SL820-50T	75
27	737432	Tilt Switch (4-20mA) X Y axise for ash stacker	SWITCH: TYPE: TILTMETER; POTENTIAL: 20-30 VDC; CURRENT: 4-20 MA; CONTACT ARRANGEMENT: NO CONTACTCS USES ANGLES; ACTION: HIGH GAIN STANDARD AND WIDE ANGLE; CONTACT RATING: -0.5 - 05 DEGREES; MOUNT: SURFACE; APPLICATION: STRUCTURAL MONITOR ASH; MODEL NO: C 801; REFERENCE NO: TUFF TILT 420; UNITS ARE AVAILABLE IN SINGLE AXIS (UNIAXIAL) & DUAL AXIS (BI-AXIAL) TILT CONFIGURATIONS, TILT METER IS CURRENT LOOPED POWERED THEREFORE MEASUREMENTS ARE MADE USING ECONOMICAL 2 WIRE PAIR	40
28	37475	DETECTOR:NUCLEAR LEVEL;220 V AC, Block chute detector card for reclaim	DETECTOR: TYPE: NUCLEAR LEVEL; RATING: 220 V AC; REFERENCE NO: 885813; POINT LEVEL SWITCH MODULE, TN SERIES, PNF ELECTRONICS	150
29	121576	E STOP, BLOCK CONTACT:PUSHBUTTON;48 VDC;4;1 A	BLOCK, CONTACT: TYPE: PUSHBUTTON; POTENTIAL: 48 VDC; CIRCUIT: 4; CURRENT: 1 A; TERMINAL: PUSH ON; SUPPL P/N: PB1-4; PLASTIC; 30MM WD X LG 42.5MM X 44MM HT	100
30	121588	SWITCH:TILT BLOCK CHUTE DETECTOR;24 VDC for stacker level and block chute	SWITCH: TYPE: TILT BLOCK CHUTE DETECTOR; POTENTIAL: 24 VDC; CONTACT ARRANGEMENT: 1NC; MOUNT: HOOK; SUPPL P/N: 2039; HEAVY DUTY TILT	75
31	185648	MODULE:SURGE ARRESTOR;I/P 48 VDC;O/P 48	MODULE: TYPE: SURGE ARRESTOR; INPUT: 48 VDC; OUTPUT: 48 VDC; POWER SOURCE: 24 V DC; APPLICATION: DCS; DIMENSIONS: WD 30 X LG 50 X HT 15 MM; SUPPL P/N: A9Lç16339	50

32	185984	PURKS, TRANSMITTER TEMP: 0-150 DEG C; O/P 4-20 MA	TRANSMITTER, TEMPERATURE: RANGE: 0-150 DEG C; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; MOUNT: HEAD; SUPPL P/N: 5333; PT 100, PROGRAMMABLE	1000
33	193801	SSC Cylinder Pressure Tx : SSC tensioner, TRANSMITTER PRESS: 0-16 MPA; O/P 50-500; 24	TRANSMITTER, PRESSURE: RANGE: 0-16 MPA; OUTPUT: 50-500 BAR; SUPPLY: 24 VDC; CONNECTION: 1/4 IN-NPT; 1-500 BAR LIMIT	60
34	210801	TRANSMITTER PRESS: 0-10 BAR; O/P 4-20 MA (with pad) tippler	TRANSMITTER, PRESSURE: RANGE: 0-10 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 V; CONNECTION: 1/2 IN; ELECTRICAL CONNECTION: STD 20 MM	60
35	210802	FFP SUMP PRESSURE TRANSMITTER LVL: 0-10 BAR; O/P 4-20 MA; 24	TRANSMITTER, LEVEL: RANGE: 0-10 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VAC; CONNECTION: 1/2 IN; WORKING PRESSURE: 10 MPA; TYPE: MEASUREMENT; BODY MATERIAL: POLYURETHANE; ALUMINIUM COATED; DIAPHRAGM MATERIAL: SS GR 316; ELECTRICAL CONNECTION: TERMINALS; APPLICATION: AUX LP SYSTEM; MOUNT: CLAMP; ENCLOSURE: IP66; SUPPL P/N: 2051TG2A2B21AS5M4Q40306RT12AA11	60
36	211231	LIMIT BOX, HOUSING: POSITION INDICATOR; PC	HOUSING: TYPE: POSITION INDICATOR; MATERIAL: PC; SUPPL P/N: TVA-M2WYNM; LINEAR TWIST SET FOR ACTUATORS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	100
37	213576	tippler dummer car clamp TRANSMITTER PRESS: 0-250 BAR; O/P 4-20 MA	TRANSMITTER, PRESSURE: RANGE: 0-250 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; ELECTRICAL CONNECTION: 2 WIRE; SUPPL P/N: HAD3744-A-250-000; OEM	60
38	213801	VEGAPULSE 68 10000t silo and ash silos, TRANSMITTER LVL: 70 M; O/P 4-20 MA; 24 VDC	TRANSMITTER, LEVEL: RANGE: 70 M; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: DN 40; WORKING PRESSURE: 100 BAR; TYPE: GUIDED RADAR; BODY MATERIAL: STAINLESS STEEL; ELECTRICAL CONNECTION: TERMINALS; APPLICATION: ASH LEVEL; MOUNT: FLANGE	50
39	215430	ULTIMATE SWITCH LMT: 500 VAC; 3 A; MECHANICAL ARM	SWITCH, LIMIT: POTENTIAL: 500 VAC; CURRENT: 3 A; ACTUATOR: MECHANICAL ARM; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: IP66; SUPPL P/N: XCK-J H29; ACTION 2 X SINGLE	100
40	216157	BLOCK CHUTE DET. 15V, MODULE: BLOCKED CHUTE REMOTE; I/P 700 VDC	MODULE: TYPE: BLOCKED CHUTE REMOTE; INPUT: 700 VDC; OUTPUT: 15 VDC; POWER SOURCE: 700 V DC; SUPPL P/N: CIR.0007.1	60

41	216158	BLOCK CHUTE DETECTOR 700v with transformer,MODULE:BLOCKED CHUTE;I/P 15 V;O/P 700	MODULE: TYPE: BLOCKED CHUTE; INPUT: 15 V; OUTPUT: 700 VDC; POWER SOURCE: 220 V; SUPPL P/N: CIR-A3-0019-PA-1520/A	60
42	216773	RTD (-50 - 500 DEG C),DETECTOR RT:PT100;-50 TO 500 DEG C;3;YES	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: - 50 TO 500 DEG C; WIRE: 3; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: THD 1/2 IN; HEAD: YES; TOLERANCE: CL B; SUPPL P/N: T1 RAB; ELEMENT SIZE 9.5MM X 120MM, ALUMINIUM HEAD FORM AS, WELDED, SIMPLEX, DINIEC 751	500
43	216792	Tranmitter for Dumper tippler,TRANSMITTER PRESS:0-10 BAR;O/P 4-20 MA	TRANSMITTER, PRESSURE: RANGE: 0-10 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: 1/2 IN; SS	50
44	121642	ULTIMATE SW. with no liver,SWITCH LMT:380 VAC;10 A;SPDT;PLUNGER	SWITCH, LIMIT: POTENTIAL: 380 VAC; CURRENT: 10 A; ACTION: SPDT; ACTUATOR: PLUNGER; CONTACT ARRANGEMENT: 1NO 1NC; SPECIFICATION: IEC 337-1; NFC 63-145; VDE 0660 TEIL; SUPPL P/N: ZCK J5H29	100
45	216973	TRANSMITTER 0-1000 kPa (no pad) FFP sumps TX,TRANSMITTER PRESS:0-1000 KPA;O/P 4-20 MA	TRANSMITTER, PRESSURE: RANGE: 0-1000 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: 1/4 IN-NPT; ELECTRICAL CONNECTION: 2 WIRE; DIAPHRAGM MATERIAL: CERAMIC; TYPE: DIFFERENTIAL PRESSURE; MOUNT: PIPE/WALL; ENCLOSURE: IP67; SUPPL P/N: PMC 731 - G31P1M11M1; CERAMIC CELL	60
46	219047	SENSOR - FDU 80 (0 - 6M),SENSOR:ULTRASONIC LEVEL;0-6 M;24 V DC	SENSOR: TYPE: ULTRASONIC LEVEL; RANGE: 0-6 M; RATING: 24 V DC; SUPPL P/N: FDU80RG1A	40
47	219048	FREQUENCY CONVERTOR,CONVERTER FREQ	CONVERTER, FREQUENCY: SUPPL P/N: FTFW1422UC2; FOR SSC SPEED	30
48	219049	SPEED PROXY: SSC,SWITCH SPD:10-30 VDC;200 MA;2 MM;NPN	SWITCH, SPEED: POTENTIAL: 10-30 VDC; CURRENT: 200 MA; CALIBRATION: 2 MM; CONTACT ARRANGEMENT: NPN; APPLICATION: SUBMERGED SCRAPER CONVEYOR; DIMENSIONS: DIA 12 X LG 40 MM; MOUNT: M 12 FINE; CLASSIFICATION: IP67; SPECIFICATION: DIN 40050; SUPPL P/N: IS-12-A4-03; SPECIFICATION: DATALOGIC-95B061211-IS-12-A4-03; TYPE SSC SPEED MAIN DRIVE	30

49	219122	CCTV CAMERA,CAMERA MTN PICT:CCTV;3.5-8 MM;MANUAL	CAMERA, MOTION PICTURE: CAMERA TYPE: CCTV; LENS FOCAL LENGTH: 3.5-8 MM; FOCUS METHOD: MANUAL; SUPPL P/N: 2GF1118-8FB; REFERENCE NO: CCBS1337-MP; CONTROL: DIRECT/VIDEO DRIVE; AND 250 MM OUTDOOR HOUSING; BLACK AND WHITE CLOSED CIRCUIT TV; SUPPLY: 220VAC	30
50	219139	LEVEL switch (block chute) pear ball, SWITCH LVL:ADJUSTABLE;12-250 VAC;16 A;5	SWITCH, LEVEL: METHOD OF ACTUATION: FLOAT DIFFERENTIAL ANGLE OF 20 DEG; RANGE: ADJUSTABLE; POTENTIAL: 12-250 VAC; CURRENT: 16 A; ACTION: (2) SPDT; CONTACT ARRANGEMENT: 1NO 1NC; DIMENSIONS: DIA 80 X LG 150 MM; ELECTRICAL CONNECTION: CABLE; CABLE LENGTH: 5 M; ENCLOSURE: PP; ENCLOSURE RATING: IP68; CLASSIFICATION: NON HAZARDOUS; SPECIFICATION: ATEX; CONTACT RATING: 0.5 A; SUPPL P/N: ATMI/07XLHY	75
51	219219	DETECTOR RT:PT100; 50 TO 500 DEG C;100;3,	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: - 50 TO 500 DEG C; RESISTANCE: 100 OHM; SHEATH LENGTH: 300 MM; WIRE: 3; SHEATH SIZE: 6 MM; SHEATH MATERIAL: ALUMINIUM; PROCESS CONNECTION: THREADED; HEAD: KN4A; TOLERANCE: 0.5 PCT; SHEATH DIAMETER: 6 MM; NUMBER OF SENSORS: SIMPLEX; 0 DEG C; ELEMENT MATERIAL SS; ELEMENT SIZE DIA 6 MM X LG 300 MM	50
52	219377	ENCODER SIKO GP04/1-0122, 8:1 RATIO, DES7,GEARBOX:METRIC SERVO ENCODER;8:1;1500	GEARBOX: TYPE: METRIC SERVO ENCODER; RATIO: 8:1; SPEED: 1500 RPM; SUPPL P/N: DES7; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	50
53	220047	SSC Launder Solenoid Valve,VALVE SLND:1/2 IN;2 WAY;24 VDC;THD;BRS	VALVE, SOLENOID: PIPE SIZE: 1/2 IN; STYLE: 2 WAY; POTENTIAL: 24 VDC; CONNECTION: THD; BODY MATERIAL: BRASS; OPERATED: NO; ENCLOSURE RATING: IP65; MEDIUM: AIR/WATER; ORIFICE SIZE: 12 MM; COIL: CL H; SINGLE; SUPPL P/N: SCE238A002; PRESSURE RATING 10BAR AT 85DEG C; TEST CERTIFICATES TO BE SUPPLIED ON DELIVERY; FFP DAMPERS SOLENOID	50
54	220136	LIMIT switch,SWITCH LMT:24 VDC;2PST;ROLLER LEVER	SWITCH, LIMIT: POTENTIAL: 24 VDC; ACTION: 2PST; ACTUATOR: ROLLER LEVER; CONTACT ARRANGEMENT: 1NO 2NC; ENCLOSURE: IP65; NEMA A600; SUPPL P/N: WLCA12-Y; TYPE 3/4 AND 13, 100MM LEVER WITH ROLLER, FFP ROTATING MANIFOLD ROTATION SWITCH	150

55	222442	PROXIMITY SW. ISM03,SWITCH PRXMY:INDUCTIVE;0-5 MM;24 V;50 MA	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-5 MM; POTENTIAL: 24 V; CURRENT: 50 MA; ACTION: SPST; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 24 V DC; DIMENSIONS: DIA 18 X LG 85.5 MM; CONNECTION: FIXED CABLE; APPLICATION: VALVE INDICATION; SUPPL P/N: ISM03; THREADED MOUNT	150
56	222856	TX - PRESS(-10 - 10 Kpa),TRANSMITTER PRESS:-10 TO 10 KPA;24 V	TRANSMITTER, PRESSURE: RANGE: -10 TO 10 KPA; OUTPUT: 0.1-10 KPA; SUPPLY: 24 V; CONNECTION: 1/2 IN; SUPPL P/N: EJX110A-DLS4G-919EB	100
57	223403	PHOTO ELECTRIC RX,SENSOR:PHOTO RX;5 M;24	SENSOR: TYPE: PHOTO RX; RANGE: 5 M; RATING: 24; SUPPL P/N: LR110AP3815; FOR TIPPLER TRUCK POSITIONING	50
58	223404	PHOTO ELECTRIC TX,SENSOR:PHOTO TX;5 M;24 V	SENSOR: TYPE: PHOTO TX; RANGE: 5 M; RATING: 24 V; SUPPL P/N: LT110AP3805; FOR TIPPLER PLANT TRUCK POSITIONING	50
59	223405	PHOTO ELECTRIC AMPLIFIER,RELAY:PHOTO SENSOR CONVERTER;24 VDC;2NO	RELAY: TYPE: PHOTO SENSOR CONVERTER; COIL VOLTAGE: 24 VDC; CONTACT ARRANGEMENT: 2NO; CONTACT RATING: 250 VAC 3 A; TERMINAL: 11 PIN; ENCLOSURE RATING: PLASTIC; CONTACT MATERIAL: CU; SUPPL P/N: MPA21B503	30
60	185985	THERMOCOUPLE,SENSOR TEMP:-40 TO +85 DEG C;2 WIRE;IP68	SENSOR, TEMPERATURE: MAXIMUM OPERATING TEMP: -40 TO +85 DEG C; STYLE DESIGNATOR: 2 WIRE; INCLOSURE TYPE: IP68; MOUNT: HEAD MOUNT; OUTPUT SIGNAL: 4-20 MA; SPECIFICATION: IEC60068-2-6; SUPPL P/N: 5334; 2 WIRE SYSTEM, T/C PROGRAMMABLE	100
61	234645	PRESSURE TRANSMITTER 0-100KPA,TRANSMITTER PRESS:0-100 KPA;O/P 4-20 MA	TRANSMITTER, PRESSURE: RANGE: 0-100 KPA; OUTPUT: 4-20 MA; SUPPLY: 24 V; SUPPL P/N: 7MF4033-1BA00-1AB6-Z+A02+B11	60
62	235807	PROXIMITY SW. (For M/Heads),SWITCH PRXMY:INDUCTIVE;0-15 MM;10-55 VDC	SWITCH, PROXIMITY: TYPE: INDUCTIVE; SENSING RANGE: 0-15 MM; POTENTIAL: 10-55 VDC; CURRENT: 400 MA; ACTION: PNP/NPN; CONTACT ARRANGEMENT: 2NC; CONTACT RATING: 4.6 V; CONNECTION: THD; SUPPL P/N: II5436	150
63	576209	SSC Emergency flow transmitter,TRANSMITTER PRESS:16-1600 MBAR;O/P 4-20	TRANSMITTER, PRESSURE: RANGE: 16-1600 MBAR; OUTPUT: 4-20 MA; SUPPLY: 24 V; CONNECTION: FNPT 1/4IN-18MM; ELECTRICAL CONNECTION: SCREW; BODY MATERIAL: STAINLESS STEEL; DIAPHRAGM MATERIAL: STAINLESS STEEL; APPLICATION: BOILER; MOUNT: BRACKET; ENCLOSURE: IP65; MANUF P/N: 7MF4433-1FA02-1AB6-ZA02+B11; SCREW GLAND M20 X 1.5MM; INDUSTRIAL AREAS WITH CHEMICAL/MECHANICAL LOADS;	40

			SITRANS P DSIII; NO CONTACT, 2 WIRE TRANSMITTER	
64	617731	TIPPLER ENCODER,ENCODER:TIPLER BARREL DRIVER;IP66;5-28 V	ENCODER: TYPE: TIPLER BARREL DRIVER; CLASSIFICATION: IP66; SIZE: WD 240 X LG 104 MM; POTENTIAL: 5-28 V; CURRENT: 100-250 MA; POWER: 7 W; SPECIFICATION: ISO 9001; SUPPL P/N: 92401026469; REFERENCE NO: 92401026469; PACK ENCODER IN A BOX TO PREVENT DUST INGRESS; -25 TO 90 DEGREE CELSIUS	10
65	241312	POWER SUPPLY: 220 VAC - 24VDC,POWER SUPPLY:I/P 220 VAC;24 VDC	POWER SUPPLY: INPUT: 220 VAC; OUTPUT VOLTAGE: 24 VDC; SUPPL P/N: C2440A; OMNITERM B-PSU	50
66	650153	COAL SILO LEVEL TRANSMITTER,TRANSMITTER LVL:PS61.XXAGPBRMKX;35 M;220	TRANSMITTER, LEVEL: RANGE: 35 M; OUTPUT: 4-20 MA; SUPPLY: 220 VAC; CONNECTION: THREAD 1/2 IN; WORKING PRESSURE: 2 BAR; BODY MATERIAL: PLASTIC 2 CHAMBER; DIAPHRAGM MATERIAL: PVDF; ELECTRICAL CONNECTION: TERMINALS; APPLICATION: HEAD TANK LEVEL; SPECIFICATION: PS61; MOUNT: FLANGE; ENCLOSURE: IP66; OEM P/N: PS61.XXAGPBRMKX; ZC1863658	25
67	0144401	Power supply for plough DSSA 122,POWER SUPPLY:I/P 18-30 VDC 280 W;5 VDC	POWER SUPPLY: INPUT: 18-30 VDC 280 W; OUTPUT VOLTAGE: 5 VDC; OUTPUT CURRENT: 1-40 A; SUPPL P/N: DSSR 122; FOR DC INPUT/OUTPUT ON MP 200, ARTICLE NUMBER 4899-0001-NK	30
68	0144402	Plough module ,POWER SUPPLY:I/P 245 V 50-60 HZ;25 VDC	POWER SUPPLY: INPUT: 245 V 50-60 HZ; OUTPUT VOLTAGE: 25 VDC; OUTPUT CURRENT: 1-25 A; SUPPL P/N: DSSA165; 4899-0001-LY; FOR MP200	30
69	0186162	VEGAPULSE 65 . MICROWAVE,TRANSMITTER:PULSE 65/LEVEL MICROWAVE;35	TRANSMITTER: TYPE: PULSE 65/LEVEL MICROWAVE; RANGE: 35 M; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; SUPPL P/N: PS65.XXKGPHKMXX; VEGA HS-CODE 90261029	60

70	0209699	LEVEL PROBE (PV21/22), SWITCH LVL:CAPACITANCE;200-4000 MM;6 A;0	SWITCH, LEVEL: METHOD OF ACTUATION: CAPACITANCE; RANGE: 200-4000 MM; POTENTIAL: 19-253 / 10-55 V AC/DC; CURRENT: 6 A; POWER: 1.6 KW; ACTION: VERTICAL & HORIZONTAL; CONTACT ARRANGEMENT: NO; DIMENSIONS: DIA 85 X L 8-157 IN; APPLICATION: ASH VESSELS; ELECTRICAL CONNECTION: 3 WIRE; CABLE LENGTH: 0 MM; ENCLOSURE: IP66/67; ENCLOSURE RATING: IP66; CLASSIFICATION: LEVEL MONITOR; SPECIFICATION: EN 10204-3.1; CONTACT RATING: 10-55 V DC; SUPPL P/N: FT155-AAC2RVJ42A1A; MODEL NO: FE154/71025814; ASH DCP PRESSURE VESSELS, CAPACITANCE LEVEL SWITCH, SOLICAP M, 4-20 MA	50
71	0216661	METER, FLOW: ASH WATER, 100 MM FLANGED, METER FLW: FLANGE 100 MM; 0-10 DM ² /S; CI	METER, FLOW: CONNECTION: FLANGE 100 MM; RANGE: 0-10 DM ² /S; MATERIAL: CI; MEDIUM: ASH WATER; SUPPL P/N: 53P DN 50; PROMAG	30
72	0217688	MODULE; E-ME-AC-01/F/1, FEEDER SPEED (EURO CARD), MODULE: FEEDER SPEED; I/P 24 V; O/P 0.1-0.2	MODULE: TYPE: FEEDER SPEED; INPUT: 24 V; OUTPUT: 0.1-0.2 V; POWER SOURCE: 24 V; SUPPL P/N: E-ME-AC-01/F/1	30
73	0219046	LEVEL SENSOR V- FDU 90 SSC Controller, TRANSMITTER LVL: 0-10 M H ₂ O; O/P 4-20 MA; 6	TRANSMITTER, LEVEL: RANGE: 0-10 M H ₂ O; OUTPUT: 4-20 MA; SUPPLY: 220 VAC; CONNECTION: TERMINAL 0.55 IN; WORKING PRESSURE: 6 BAR; TYPE: ULTRASONIC; BODY MATERIAL: POLYCARBONATE; APPLICATION: ASH LEVEL; MOUNT: FIELD; SUPPL P/N: FMU 90-R11CA232AA1A; PROSONIC; ITEM SUPERSEDED BY 0685544	50
74	0219140	TRANSMITTER: PROMAG53, FLOW, 0-20 L/S, TRANSMITTER FLW: E AND H; 0-20 L/S; 24 VDC	TRANSMITTER, FLOW: TYPE: E AND H; RANGE: 0-20 L/S; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; WORKING PRESSURE: 16 BAR; BODY MATERIAL: AL ALLOY; DIAPHRAGM MATERIAL: PFA LINED; ELECTRICAL CONNECTION: GLAND ENTRY; APPLICATION: WTP; ENCLOSURE: IP67; SUPPL P/N: 53P50-EAOB1AAOAAAA; MODEL NO: PROMAG53; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	30

75	0219141	POSITIONER,FLAP VALVE,4-20MA INPUT,POSITIONER:PNEUMATIC;POLYCARBONATE	POSITIONER: TYPE: PNEUMATIC; MATERIAL: POLYCARBONATE; SUPPL P/N: MP612ESS; SUPPLY PRESSURE: 600KPA; INPUT: 4-20MA; OUTPUT: 20- 100KPA; WITH CONVERTER; MOTION; FOR USE ON ASH HOPPER FLAP VALVES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	180
76	0219964	POSITIONER (WITH I/P) ABB POSITIONER,POSITIONER:ELECTROPNEUMATIC	POSITIONER: TYPE: ELECTROPNEUMATIC; MATERIAL: METAL/PLASTIC; SUPPL P/N: TZID-C; DOUBLE ACTING, 4-20MA FEEDBACK CARD, 4 WIRE, IP65 ENCLOSURE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	75
77	0230127	CABLE,ELEC:UVG08ACV,INSTRUMENTATION,7C,CABLE COMM:INSTRUMENTS;7 CORE, CU;0.297	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 7 CORE, CU; CONDUCTOR SIZE: 0.297 MM; SHEATH MATERIAL: PVC; INSULATION: PVC; SUPPL P/N: UVG08ACV; WHITE STRIPE; PVC	20000m
78	0230129	UVG 20 CABLE (5M),CABLE COMM:INSTRUMENTS;7 CORE, CU;0.297	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 7 CORE, CU; CONDUCTOR SIZE: 0.297 MM; INSULATION: PVC; SUPPL P/N: UVG20ACV; WHITE STRIPE; PVC	20000m
79	0230130	UVG 04 CABLE (1000M),CABLE COMM:INSTRUMENTS;7 CORE, CU;0.297	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 7 CORE, CU; CONDUCTOR SIZE: 0.297 MM; SHEATH MATERIAL: PVC; INSULATION: PVC; SCREEN: BARE; SUPPL P/N: UVG40ACV; WHITE STRIPE; PVC	20000m
80	230125	CABLE-UVG02,INSTRUMENTATION,CABLE COMM:INSTRUMENTS;7 CORE, CU;0.297	CABLE, COMMUNICATION: TYPE: INSTRUMENTS; CONDUCTOR: 7 CORE, CU; CONDUCTOR SIZE: 0.297 MM; INSULATION: PVC; SUPPL P/N: UVG02ACV; WHITE STRIPE; PVC	20000m

81	209699	SOLICAP M (LEVEL FOR PV),SWITCH LVL:CAPACITANCE;200-4000 MM;6 A;0	SWITCH, LEVEL: METHOD OF ACTUATION: CAPACITANCE; RANGE: 200-4000 MM; POTENTIAL: 19-253 / 10-55 V AC/DC; CURRENT: 6 A; POWER: 1.6 KW; ACTION: VERTICAL & HORIZONTAL; CONTACT ARRANGEMENT: NO; DIMENSIONS: DIA 85 X L 8-157 IN; APPLICATION: ASH VESSELS; ELECTRICAL CONNECTION: 3 WIRE; CABLE LENGTH: 0 MM; ENCLOSURE: IP66/67; ENCLOSURE RATING: IP66; CLASSIFICATION: LEVEL MONITOR; SPECIFICATION: EN 10204-3.1; CONTACT RATING: 10-55 V DC; SUPPL P/N: FT155-AAC2RVJ42A1A; MODEL NO: FE154/71025814; ASH DCP PRESSURE VESSELS, CAPACITANCE LEVEL SWITCH, SOLICAP M, 4-20 MA	60
82	0640075	SSC Launder Solenoid Valve,VALVE CHECK:RHV-15L ED;NON RETURN;OD 15	VALVE, CHECK: TYPE: NON RETURN; VALVE SIZE: OD 15 MM; DESIGN RATING: 100 BAR; TEMPERATURE RATING: 20-90 DEG C; CONNECTION: BSP 1/2 IN; BODY MATERIAL: MILD STEEL; FACE TO FACE LENGTH: 60.5 MM; OPERATED: NRV; OEM P/N: RHV-15L ED	60
83	193758	LIMIT switch,SWITCH LMT:24 VAC/DC;13-15 A;1NO 1NC	SWITCH, LIMIT: POTENTIAL: 24 VAC/DC; CURRENT: 13-15 A; CONTACT ARRANGEMENT: 1NO 1NC; ENCLOSURE: IP67; ACTION SINGL THROW, ACTUATOR FRONT, FOR USE ON YARWAY LEAK-OFF VALVE	
84	216820	Coupling Coal,COUPLING CNDT:RIGID;200 X 230 MM;STL	COUPLING, CONDUIT: TYPE: RIGID; SIZE: 200 X 230 MM; CONNECTION: 70-90 MM; MATERIAL: STL; SUPPL P/N: 30-400-70/120; MALE AND FEMAL BORE SIZES: 100/110; LOCKING ELEMENTS OUTSIDE DIAMETERS: 100 X 110MM; BORES: 70 X 90MM; THE COUPLING MUST BE DELIVERED AS A COMPLETE SET WITH BOLTS AND NUTS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	30
85	0179522	Monitor, Video :2XV4111-2MR01,	MONITOR, VIDEO: REFERENCE NO: 2XV4111-2MR01	30
86	0180534	Monitor, Video :Dell FP/BL,24 inch,220V,MONITOR VIDEO:DELL FP/BL;24 IN;220 V	MONITOR, VIDEO: TYPE: DELL FP/BL; SIZE: 24 IN; POWER SOURCE: 220 V; REFERENCE NO: DELL-U2417H; WIDE ASPECT ULTRA SHARP, W/HAS	30

Factory acceptance testing (FAT)

Material Data Sheet and Test Certificate where applicable

Supply Requirements

- a) Goods are required on an as and when required basis.
- b) Requests for delivery will be made on a contract release order starting with a 45 number.
- c) Delivery is expected within 4 to 8 weeks at Stores after receipt of Eskom official order.
- d) The purchases will endeavour as far possible to order in batches for ease of delivery
- e)

Specification of the *services* to be provided

- f) Supply and delivery of ASH and Coal Spares as and when required
- g) No delivery will be accepted without an official contract release order.
- h) Supplier Delivery Note must indicate partial delivery if partial delivery is made.
- i) The stock number, quantity and material short description must be stated on the delivery note
- j) Each delivery to be recorded on receiving register and each delivery note must have unique number.
- k) Each delivery note to state the relevant release order number

Constraints on how the *Supplier* Provides the Goods

Programming constraints

Delivery times will be stated on the official purchase order

Work to be done by the Delivery Date

- l) Supplier to quote the Eskom official purchase order in all delivery notes and invoices
- m) Goods must be well packaged and safely transported
- n) Eskom to acknowledge receipt of goods by stamping and signing the delivery note of the supplier upon delivery, rejected items to be communicated after the official quality inspection is done on site by the end-user of the product rejected goods must be collected and the correct goods supplied within 14 days.
- o) Only goods as specified will be accepted. Any goods which do not meet the specifications will be rejected.

Marking the *goods*

Packaging and Marking must be as follows:

Name of the supplier, Purchase Order Number, Material Number and Quantity Delivered

5.3.1 Key Performance Indicator Table

KPA Description	Performance Measure/ Indicator	Target
Purchase Order delivery to site	Lead time agreed on the contract to be lead time on each PO and supplier delivery must match these lead times	98%
Packaging and Preliminary Marking of goods before delivery	All items must be wrapped with a clear plastic, bubble wrap that is clear or be placed inside cardboards for preservation purposes items that are not adhering to packaging and markings will be rejected upon	100%

	delivery and the marking should be as follows Name of the Supplier, Purchase Order Number, Material Number, Part Number and Serial Number and Delivery date	
Customer Survey done by the supplier to be submitted to purchaser	To measure service level of the supplier by the purchaser	4 times per year from start of the contract

Constraints at the delivery place and place of use

Supplier must follow Eskom Life Saving Rules when delivering goods to Majuba Power Station

1. Open, Isolate, test , earth, bond and insulate before touching

No person may work on any electrical network unless:

He has been trained and authorised as competent for the task to be done

2. Hook up at heights

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

4. Be Sober

No person is allowed to work under the influence of drugs and/or alcohol

5. Ensure you have permit to work

When an authorization limitation exists, no person shall work without the required permit to work

Majuba Power Station Delivery Times are as follows

08h00 A.M to 16h00 P.M Monday to Thursday

08h00 A.M to 11h30 A.M on Friday

No delivery is accepted afterhours, weekends and including public holidays unless the Supplier is requested by the Purchaser in writing prior delivery to site

Cooperating with Others

N/A since it's a supply and delivery contract

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

Eskom Majuba Power Station will provide resources to offload the goods being delivered (Cranes and forklift for offloading purposes)

Small items the can be offloaded by the supplier personnel

Management meetings

General meetings to be held as and when required and maybe requested by either party Supplier or Purchaser

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

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

Documentation control

All goods being delivered to Majuba Main Stores must have the following

Unique delivery note number per delivery

Delivery note – must have unique number, date of delivery, items that were delivered (material number, material short description, serial number and quantity delivered)

Delivery note must come in duplicates so that one copy is kept at Main Stores and other goes with the supplier for invoicing purposes and as a proof of delivery

Both copies of delivery notes to be stamped with receiving stamp of Majuba Power Station and must have the signature of the receiver as well as the receiving personnel full names

Health and safety risk management

The Supplier shall comply with the health and safety requirements (7 Annexure C 3 OHS Tender Evaluation Low Risk, Annexure A Supplier Risk Category 240-77433139 and 240-73418055 MANUFACTURE OR LOW RISK SERVICES) and all these documents will form part of the tender documents

Environmental constraints and management

The Supplier shall comply with the environmental criteria and constraints [Environmental Management Requirements for Contractors and Suppliers ENV/GEN/SPEC/01]

Quality

Supplier Contract Quality Requirements Specification (QM 58) 240-105658000 must be followed.

Service Level Table

The following table depicts the level of performance required of the Contractor. Should the Contractor be unable to meet these requirements, Low Service Damages will be claimed from the Contractor.

The total Low Service Damages will be limited to 10% per month per order based on as and when required supply

Table 6: Service Level Table for Low Service Damages

No.	Description	Employer's Requirement	Damages payable by Contractor
1	On time delivery to Majuba Power Station	All deliveries to be delivered as per agreed lead time of the contract working from the time the supplier acknowledge receipt of an official Eskom Order Number that start with 45 number	5% of the total purchase order if an order is delivered one week later, 7.5% of the total purchase order if an order is delivered two to three weeks later and 10% of the total purchase order delivered later than four weeks and all the deductions to be subtracted from the original invoice of the purchase order Failure to deliver after to deliver after 8 weeks without notice may result in contract termination.
2	Equipment failure	All supplied Spares failing before lapse of warranties and guarantees to be replaced within 31 days from the date it was officially reported to the supplier	Period between 32 days to 45 days penalties of 5% will be charged from the total cost of the item, period between 46 days to 59 days penalties of 7.5% from the

		and the supplier to bear all the cost and risk of replacing the failed / damaged item	total cost of the item, 60 days and above 10% of the total cost of the item failed will be charged as penalties
3	Packaging and Preliminary Marking of goods before delivery	All items must be wrapped with a clear plastic, bubble wrap that is clear or be placed inside cardboards for preservation purposes items that are not adhering to packaging and markings will be rejected upon delivery and the marking should be as follows Name of the Supplier, Purchase Order Number, Material Number, Part Number and Serial Number and Delivery date	6% of the total purchase

Invoicing and payment

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

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

Name and address of the Supplier and the Supply Manager;

The contract number and title;

Supplier's VAT registration number;

The Purchaser's VAT registration number.

Description of goods and services provided for each item invoiced based on the Price Schedule;

Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;

(add other as required)

C3.2 SUPPLIER'S GOODS INFORMATION

See Paragraph 2 under heading Specification and description of the *goods*

