

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on “as and when required basis” at Arnot Power Station for a period of 60 month



NEC3 Supply Contract (SC3)

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

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

**for The supply and delivery of spares for Aircons,
batteries, PTM and electrical maintenance
departments on “as and when required basis” at
Arnot Power Station for a period of 60 months**

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

CONTRACT No. [Insert at award stage]

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on “as and when required basis” at Arnot Power Station for a period of 60 month

PART C1: AGREEMENTS & CONTRACT DATA

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

C1.1 Form of Offer & Acceptance

Offer

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

The supply and delivery of spares for Aircons, batteries, PTM and Electrical Maintenance Departments on "as and when required basis" at Arnot Power Station for a period of 60 month.

The tenderer, identified in the Offer signature block, has

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

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

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

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

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

(Insert name and address of organisation)

Name &
signature of
witness

Date

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

Acceptance

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

The terms of the contract, are contained in:

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

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

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

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

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

Signature(s)

Name(s)

Capacity

**for the
Purchaser**

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

(Insert name and address of organisation)

Name &
signature of

Date

witness

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

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

Note:

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

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

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

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

For the tenderer:

For the Purchaser

Signature _____

Name _____

Capacity _____

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

Name & signature of witness _____

Date _____

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

C1.2 SC3 Contract Data

Part one - Data provided by the *Purchaser*

[Instructions to the contract compiler: (delete these two notes in the final draft of a contract)]

1. Please read the relevant clauses in the conditions of contract before you enter data. The number of the clause which requires the data is shown in the left hand column for each statement however other clauses may also use the same data.
2. Some SC3 options are always selected by Eskom Holdings SOC Ltd. The remaining SC3 options are identified by shading in the left hand column. In the event that the option is not required select and delete the whole row. Where the following symbol is used "[●]" - data is required to be inserted relevant to the specific option selected.]

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

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for Options	
		X1: Price adjustment for inflation
		X2: Changes in the law
		X7: Delay damages
		Z: Additional conditions of contract
	of the NEC3 Supply Contract (April 2013) ¹	(If the December 2009 edition is to be used delete April 2013 and replace by December 2013)
10.1	The <i>Purchaser</i> is (name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
10.1	The <i>Supply Manager</i> is (name):	TBA
	Address	
	Tel	
	e-mail	
11.2(13)	The <i>goods</i> are	Aircon, PTM and Electrical maintenance spares

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

11.2(14) The following matters will be included in the Risk Register

Cost: Overpricing or underpricing
People: Not adhering to Eskom life saving rules
Time: Failure to adhere to delivery plan
Quality: Goods to conform to quality standards and specification

1.2(15)	The Goods Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference.
11.2(15)	The Supply Requirements as part of the Goods Information is in	Annexure A to this Contract Data
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa
13.1	The <i>language of this contract</i> is	English
13.3	The <i>period for reply</i> is	14 days
2	The Supplier's main responsibilities	Data required by this section of the core clauses is provided by the Supplier in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data.
3	Time	
30.1	The <i>starting date</i> is.	TBA
30.1	The <i>delivery date</i> of the goods and services is:	On an "as and when required basis" for the duration of the contract.
31.1	The <i>Supplier</i> is to submit a first programme for acceptance within	2 weeks of the Contract Date.
32.2	The <i>Supplier</i> submits revised programmes at intervals no longer than	1 week.
4	Testing and defects	
42	The <i>defects date</i> is	52 weeks after Delivery.
43.2	The <i>defect correction period</i> is	2 weeks
42.2	The <i>defects access period</i> is	5 days
5	Payment	
50.1	The <i>assessment interval</i> is	After delivery and acceptance of goods
51.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payments are made is	4 weeks.
51.4	The <i>interest rate</i> is	the publicly quoted prime rate of interest

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

(calculated on a 365-day year) charged from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands and

(ii) the LIBOR rate applicable at the time for amounts due in other currencies. LIBOR is the 6 month London Interbank Offered Rate quoted under the caption "Money Rates" in The Wall Street Journal for the applicable currency or if no rate is quoted for the currency in question then the rate for United States Dollars, and if no such rate appears in The Wall Street Journal then the rate as quoted by the Reuters Monitor Money Rates Service (or such service as may replace the Reuters Monitor Money Rates Service) on the due date for the payment in question, adjusted *mutatis mutandis* every 6 months thereafter and as certified, in the event of any dispute, by any manager employed in the foreign exchange department of The Standard Bank of South Africa Limited, whose appointment it shall not be necessary to prove.

6	Compensation events	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
7	Title	There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.
8	Risks, liabilities, indemnities and insurance	
80.1	These are additional <i>Purchaser's</i> risks	1. Damaged goods 2. Transport
88.1	The <i>Supplier's</i> liability to the <i>Purchaser</i> for indirect or consequential loss, including loss of profit, revenue and goodwill is limited to	R0.0 (zero Rand)
88.2	For any one event, the <i>Supplier's</i> liability to the <i>Purchaser</i> for loss of or damage to the <i>Purchaser's</i> property is limited to	(1) for the <i>Purchaser's</i> existing and surrounding property in the care, custody and control of the <i>Supplier</i> the amount of the deductible (first amount payable) relevant to the event
88.5	The <i>end of liability date</i> is	1 year after Delivery of the whole of the <i>goods</i> .

9 Termination and dispute

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

resolution

94.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
94.2(3)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA, a Division of the South African Institution of Civil Engineering, or its successor body (See www.ice-sa.org.za)
94.4(2)	The <i>tribunal</i> is:	arbitration
94.4(5)	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
94.4(5)	The place where arbitration is to be held is	South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee
	- if the arbitration procedure does not state who selects an arbitrator, is	of the Association of Arbitrators (Southern Africa) or its successor body.

10 Data for Option clauses

X1	Price adjustment for inflation			
X1.1	The <i>base date</i> for indices is	[•].		
	The proportions used to calculate the Price Adjustment Factor are:	proportion	linked to index for	Index prepared by
		0.3	Consumer Price Indexes (CPI)	SEIFSA Table D4
		0.25	Copper -RCP Metric ton	SEIFSA Table F
		0.3	Road Freight costs	SEIFSA Table L1 (B)
		0.15	non-adjustable	
	1.00			
X2	Changes in the law			
X2.1	A change in the law of	is a compensation event if it occurs after the Contract Date		
X7	Delay damages			

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

X7.1	Delay damages for Delivery are	Damages	Penalty
		Failure to submit delivery program/ plan	1% of the task order value per day
		Failure to deliver goods as per submitted plan	1% of the task order value per day
		Failure to submit QCP for each spare delivered	1% of the task order value per day
Z	The <i>additional conditions of contract</i> are		
	Z1 to Z15 always apply for Eskom		

Z1 Cession delegation and assignment

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

Z2 Joint ventures

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

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

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

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.

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

Affected Party to act unlawfully or illegally,

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

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

Z13Insurance

Z 13.1 Replace core clause 84 with the following:

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

INSURANCE TABLE A

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

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

87

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

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

Nuclear Material Damage Terrorism	Per the insurance policy document
--------------------------------------	-----------------------------------

Z14 Nuclear Liability

- Z14.1 The *Purchaser* is the operator of the Koeberg Nuclear Power Station (KNPS), a nuclear installation, as designated by the National Nuclear Regulator of the Republic of South Africa, and is the holder of a nuclear licence in respect of the KNPS.
- Z14.2 The *Purchaser* is solely responsible for and indemnifies the *Supplier* or any other person against any and all liabilities which the *Supplier* or any person may incur arising out of or resulting from nuclear damage, as defined in Act 47 of 1999, save to the extent that any liabilities are incurred due to the unlawful intent of the *Supplier* or any other person or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.3 Subject to clause Z14.4 below, the *Purchaser* waives all rights of recourse, arising from the aforesaid, save to the extent that any claims arise or liability is incurred due or attributable to the unlawful intent of the *Supplier* or any other person, or the presence of the *Supplier* or that person or any property of the *Supplier* or such person at or in the KNPS or on the KNPS site, without the permission of the *Purchaser* or of a person acting on behalf of the *Purchaser*.
- Z14.4 The *Purchaser* does not waive its rights provided for in section 30 (7) of Act 47 of 1999, or any replacement section dealing with the same subject matter.
- Z14.5 The protection afforded by the provisions hereof shall be in effect until the KNPS is decommissioned.

Z15 Asbestos

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

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

Safe Levels	means airborne asbestos exposure levels conforming to the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.
Standard	means the <i>Purchaser's</i> Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos Containing Material, Equipment and Articles.
SANAS	means the South African National Accreditation System.
TWA	means the average exposure, within a given workplace, to airborne asbestos fibres, normalised to the baseline of a 4 hour continuous period, also applicable to short term exposures, i.e. 10-minute TWA.

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

Annexure A: Supply Requirements

[Notes: The example given in the NEC3 Supply Contract Guidance Notes pages 15 to 20 inclusive is based on Incoterms 2000. However users will probably wish to use Incoterms 2010 which the details below are based on. Users may need to adjust the information to comply with actual requirements. First decide whether Incoterms will be used or not, then delete the arrangement below which does not apply and delete these notes]

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

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

The *Supplier* supplies the *goods* in accordance with INCOTERMS 2010² as follows:

Group	Category	Term	Delivery Place
D	arrival	DAT, DAP, DDP	Arnot Power Station

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

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

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

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

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

² International Chamber of Commerce, Incoterms 2010, Paris, January 2011

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on “as and when required basis” at Arnot Power Station for a period of 60 month

The Supply Requirements for this contract are as follows:

1. The requirements for the supply are	The supply and delivery of spares for the Aircon, PTM and electrical maintenance departments on “as and when required basis” at Arnot Power Station for a period of 60 month	
2. The requirements for transport are	The <i>Supplier</i> is responsible for transporting the goods to Site. The <i>Supplier</i> takes responsibility of the goods while in transit i.e. insurances etc. Goods are to be off loaded at Arnot Power Station, Electrical Maintenance Department.	
3. The delivery place is	Eskom Arnot Power Station	
4. Actions of the Parties during supply	Action	Party which does it
	Giving notice of Delivery	<i>Supplier</i>
	Checking packing and marking before dispatch	<i>Supplier</i>
	Contracting for transport	<i>Supplier</i>
	Pay costs of transport	<i>Supplier</i>
	Arrange access to delivery place	<i>Purchaser</i>
	Loading the <i>goods</i>	<i>Supplier</i>
	Unloading the <i>goods</i>	<i>Purchaser / Supplier</i>
For international procurement	Undertake export requirements	<i>Not applicable</i>
	Undertake import requirements	<i>Not applicable</i>
5. Information to be provided by the Supplier	Title of document	
	Packing lists for cases and their contents	
	Copy of invoice for the <i>goods</i>	
	Delivery Note	
	Test results and maintenance manuals	

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

C1.2 Contract Data

Part two - Data provided by the *Supplier*

Notes to a tendering supplier:

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

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

Clause	Statement	Data												
10.1	The <i>Supplier</i> is (Name): Address Tel No. Fax No.													
11.2(11)	The tendered total of the Prices is	R , (in words)												
11.2(12)	The <i>price schedule</i> is in:													
11.2(14)	The following matters will be included in the Risk Register													
30.1	The <i>delivery date</i> of the <i>goods and services</i> is:	<table border="1"> <thead> <tr> <th></th><th><i>goods and services</i></th><th><i>delivery date</i></th></tr> </thead> <tbody> <tr> <td>1</td><td>[•]</td><td>[•]</td></tr> <tr> <td>2</td><td>[•]</td><td>[•]</td></tr> <tr> <td>3</td><td>[•]</td><td>[•]</td></tr> </tbody> </table>		<i>goods and services</i>	<i>delivery date</i>	1	[•]	[•]	2	[•]	[•]	3	[•]	[•]
	<i>goods and services</i>	<i>delivery date</i>												
1	[•]	[•]												
2	[•]	[•]												
3	[•]	[•]												
31.1	The programme identified in the Contract Data is contained in:													
63.2	The <i>percentage for overheads and profit</i> added to the Defined Cost is	%												

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

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

PART 2: PRICING DATA

NEC3 Supply Contract

Document reference	Title	No of pages
C2.1	Pricing assumptions	2
C2.2	The <i>price schedule</i>	[•]

C2.1 Pricing assumptions

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

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

Identified and defined terms	11	
	11.2	(11) The Prices are the amounts stated in the price column of the Price Schedule. Where a quantity is stated for an item in the Price Schedule, the Price is calculated by multiplying the quantity by the rate.
		(12) The Price Schedule is the <i>price schedule</i> unless later changed in accordance with this contract.
Assessing the amount due	50.2	The amount due is
		- 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.

2. Function of the Price Schedule

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

3. Preparing the *price schedule*

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

It will be assumed that the tendering supplier has

- Read Pages 8, 11, 12 and Appendix 5 of the SC3 Guidance Notes before preparing the *price schedule*;
- Included in his Prices and rates for correction of Defects (core clause 43.1) as there is no compensation event for this unless the Defect is due to a *Supplier's* risk;

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on “as and when required basis” at Arnot Power Station for a period of 60 month

- Spread the cost of doing work he chooses not to list as separate items in the *price schedule* across other Prices and rates in order to fulfil the obligation to Provide the Goods and Services for the tendered total of the Prices;
- Understood that there is no adjustment to lump sum prices in the *price schedule* if the amount, or quantity, of work within that lump sum item later turns out to be different to that which the *Supplier* estimated at time of tender. The only basis for a change to the Prices is as a result of a compensation event per clause 60.1;
- Understood that the *Supplier* does not have to allow in his Prices and rates for matters that may arise as a result of a compensation event.

3.1. Format of the *price schedule*

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

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

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

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

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

C2.2 the *price schedule*

Item no:	Material no:	Description	Unit	Quantity	Rate	Price
ELECTRICAL MAINTENANCE DEPARTMENT SPARES						
1	0681242	STOVE PLATE: Type: solid Diameter: 8" Voltage: 230VAC, Dimensions: 203mm, Watts:1 500W	Ea	400		
2	789313	STOVE PLATE: Type: solid Diameter: 6" Voltage: 230VAC Dimensions: 152mm, Watts:1 000W	Ea	400		
3		THERMOSTAT: Type: Oven thermostat (71TH591035) Supply voltage: 230VAC Amps: 16A Dimensions: 6mm	Ea	150		
4		THERMOSTAT: Type: Kwikot / Satchwell geyser (TST) Supply voltage: 230VAC Phase: 1 ph Watts: 3 000W	Ea	150		
5		GASKET: Type: Kwikot / Satchwell geyser (FLG-337) Holes: seven (7) Material: rubber Voltage: 230VAC	Ea	50		
6		ELEMENT: Type: Vulcan heating element KW: 700W Material: Steel Voltage: 380VAC	Ea	10		
7		ELEMENT: Type: Oven element Watts: 1 300W Dimensions: 345 x 404mm Voltage: 240VAC	Ea	50		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

8		ELEMENT: Type: oven double grill element Watts: inner-1 800W, outer - 300W Dimensions: 229 x 379mm, Voltage: 230VAC	Ea	50		
9	789450	ELEMENT: Type: Infrared heater element Watts: 1 500W, Voltage 230VAC	Ea	50		
10	789977	POWER SKIRTING PLUG: Type: Cabtree Dimension: 3M Material & colour: Silver & grey hammerstone Voltage: 230VAC	Ea	250		
11	789977	POWER SKIRTING PLUG COVER: Type: Cabtree; Dimension: 190 x 70mm, Material & colour: Grey hammerstone Voltage: 230VAC	Ea	250		
12	789451	POWER SKIRTING END CAP: Type: Cabtree Dimension: 175 x 6 x 20mm Material & colour: Grey hammerstone Voltage: 230VAC	Ea	50		
13		POWER SKIRTING ELBOWS: Type: Cabtree Dimensions: 80 x 80 x 60 x 170 x 20 x 20mm Material & colour: Grey hammerstone Voltage: 230VAC	Ea	50		
14		POWER SKIRTING JOINTS: Type: Cabtree Material & colour: Grey hammerstone Voltage: 230VAC	Ea	50		
15	789314	SCREW: Type: Spring toddle screw Dimension: M5 x 50mm Material: Silver Package: 80 pcs	Ea	60		
16		OVERLOAD SWITCH: Type: Zip hydroboil reset Watt: 1 500W, Voltage: 230VAC	Ea	15		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

17		ELEMENT KIT: Type: Zip hydroboil Watt: 2.4W Voltage: 230VAC	Ea	15		
18		ELEMENT KIT: Type: Zip hydroboil Watt: 1.5W Voltage: 230VAC	Ea	20		
19		THERMOSTAT: Type: Zip hydroboil Watt: 1.5W Voltage: 230VAC	Ea	20		
20		THERMOSTAT: Type: Zip hydroboil Watt: 2.4W Voltage: 230VAC	Ea	20		
21		SWITCH; Type: Oven selector switch Positions: Watt: 1 800W Voltage: 230VAC	Ea	25		
22		SWITCH: Type: Multifunction oven switch Positions: Watt: 1 800W Voltage: 230VAC	Ea	25		
23		SWITCH: Type: 6 position stove switch Positions: 6; Watt: 1 500W Voltage: 230VAC	Ea	10		
24		AUXILIARY CONTACTS: Make: BRLL20, Supply voltage: 400/690VAC Contacts: 2NO	Ea	20		
25		AUXILIARY CONTACTS: Make: WEG(BCXMF10): Supply voltage: 660VAC Amps: 10A Contacts: NO	Ea	20		
26	0723047	AUXILIARY CONTACTS: Make: LA1KN 11; Supply voltage: 690VAC Amps: 10A; Contacts: NO+NC	Ea	20		
27	0143466	AUXILIARY CONTACTS: Make: LA1 DN20; Supply voltage: 120 - 690VAC Amps: 10A; Contacts: 4NO	Ea	20		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

28		AUXILIARY CONTACTS: Make: z02-de101 Supply voltage: 500VAC Amps: 10A; Contacts: 4NO	Ea	20		
29	0238943	AUXILIARY CONTACTS: BCLL11; Supply voltage: 400/690VAC; Contacts: NO & NC	Ea	20		
30		CONTACTOR: Make: CKK95BE300; Supply voltage: 690VAC Phases: 3	Ea	10		
31	0142534	CONTACTOR: Make: LS 22K; Coil voltage: 230 - 690VAC; Amps: 90A; Phases: 3 ph	Ea	10		
32		CONTACTOR: Make:LC1 D32 10; Coil voltage: 110 -120VAC Amps: 50A; Contacts: NO Phases: 3	Ea	10		
33		CONTACTOR: Make:CL04A310M; Supply voltage: 660VAC Amps: 25A; Phases: 3	Ea	10		
34	0242360	CONTACTOR: Make: LADN22; Supply voltage: 690VAC Contacts: NO,NC Phases: 3	Ea	10		
35		CONTACTOR: Make: RT2XP; Supply voltage: 600VAC Phases: 3	Ea	10		
36		CONTACTOR: Make: CL07; Supply voltage: 690VAC Coil voltage: 240VAC Phases: 3	Ea	10		
37		CONTACTOR: 2 position switch, Make: (GK2-CF06), optimal 25, Supply voltage:24 VDC- 230VAC Contacts: NO, NC, Amps : 0.4 - 5A DC - 2.5-8A AC	Ea	10		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

38		CONTACTOR: Make:Cutler Hammer (MC10BN40) Supply voltage: 660VAC, Amps: 24A Contacts: NO, NC Phases: 3	Ea	10		
39		CONTACTOR: Make:Allen Bradley (100-C30*00); Supply voltage: AC1- 660VAC, AC3- 400VAC Amps: 65A, 30A; Phases: 3	Ea	10		
40		CONTACTOR: Make:GE CL02 10E; Supply voltage: 690VAC Amps: 10A; Phases: 3	Ea	10		
41		CONTROLLER: Make: Speed controller (Altiva 28) Ramps: 3 sec; Supply voltage: 230VAC or 400VAC Frequency: 0- 50HZ, Phases & KW: 3 phases	Ea	2		
42		TRANSDUCER: Make: MI418 Amps: 4-20Ma Supply voltage: 230VAC Frequency: 50/60HZ Phases & KW: 3 phases	Ea	12		
43		CURRENT TRANSFORMER: Class:1; IL: 660KV; Amp rating: 3/1 Serial no: 11 0630	Ea	15		
44		CURRENT TRANSFORMER: Class:1, IL: 660KV; Amp rating: 25/1 Serial no: 07-0110	Ea	15		
45		CURRENT TRANSFORMER: Class:15-C; IL: 660KV; Amp rating: 70/1 Serial no: TC-A1920	Ea	15		
46		CURRENT TRANSFORMER: Class:3, IL: 660KV; Amp rating: 60/1 Serial no: 08-0520	Ea	15		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

47		CURRENT TRANSFORMER: Class:1; IL: 660KV; Amp rating: 40/1 Serial no: 08-0509	Ea	15		
48		CURRENT TRANSFORMER: Class:1; IL: 660KV; Amp rating: 40/1 Serial no: 09-0824	Ea	15		
49	0128932	CURRENT TRANSFORMER: Class:1.0 FS 5; IL: 0.72-4KV; Amp rating: 30/1 Serial no: WC208933	Ea	15		
50	0130256	CURRENT TRANSFORMER: Class:15-C, IL: 660KV; Amp rating: 50/1 Serial no: TC18875	Ea	15		
51	0119500	CIRCUIT BREAKER: Type: F15D; Supply voltage:600VAC Amps: 250A	Ea	25		
52	0119393	CIRCUIT BREAKER: Type: K35D; Supply voltage:690VAC Amps: 250A	Ea	25		
53	0119599	CIRCUIT BREAKER: Type: C45; Supply voltage:220VAC Amps: 630A	Ea	25		
54	0575175	CIRCUIT BREAKER: Type: MS31W06; Supply voltage:690VAC Amps: 630A	Ea	25		
55		CAPACITOR: Size: 30 μ F; Supply voltage: 100-450V Material: PVC Contacts: 2	Ea	10		
56		CONTROLLER: Micromaster 440 Type: Speed controller Supply voltage: 200 - 600VAC Amps: 1 - 4A Phase: 3 phases Watts: 0.12 KW-250kW	Ea	5		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

57		CONTROLLER: Micromaster 4 Type: 6SE6400-OAP00-0AA1 Supply voltage: 480VAC Amps: 6A; Phase: 3 phases; Watts: 0.12 KW-250kW	Ea	5		
58		DRIVE: Type: Uni drive - SP3403 control; Supply voltage: 690VAC; Amps: 22- 160A; Phase: 3 phase; Watts: 0.12 KW-250kW	Ea	2		
59		DRIVE: Type: ACXX00-XX; Supply voltage: 600VAC Amps: 22- 160A; Phase: 3 phase Watts: 0.12 KW-250kW	Ea	2		
60	789311	RECTIFIER: Type: AC-DC; Supply voltage:380VAC -50/160DC Amps: 21 - 82.5Amps; Phase: 3 phase Watts: 123.75W	Ea	10		
61		SWITCH: Type: C320KA3, series A2 Supply voltage: 600VAC Positions: 3(Manual,auto & Off) Phases:3 ph	Ea	30		
62		ISOLATOR SWITCH: Type: panel isolator; Supply voltage: 660VAC Amps: 16A; Positions: 2(ON & OFF) Phases & KW:3 ph , 11KW	Ea	30		
63		ISOLATOR: Type: BS 54-19, Supply voltage: 220-660VAC Amps: 40A; Positions: 2(ON & OFF) Phases:3 ph	Ea	30		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

64		ISOLATOR: Type: QM25; Supply voltage: 380-660VAC Amps: 25A Positions: 2(ON & OFF) Phases:3 ph	Ea	30		
65		MOTOR PROTECTION RELAY: Make: Sprecher +SchuchCEF 1-22 Supply voltage: 240VAC Amps: 160 - 400A Contacts: NC *NO Phases & KW: 3 phases	Ea	20		
66		MOTOR PROTECTION RELAY: Make: Allen Bradley Electronic relay:193- EF2A Supply voltage: 240VAC Amps: 3 - 30A Contacts: NC *NO Phases & KW: 3 phases	Ea	20		
67		OVERLOAD RELAY: Make: MC305ANA3H, series A Supply voltage: 600VAC Amps: 20A Contacts: NC *NO	Ea	50		
68		OVERLOAD RELAY: Make: RW27D; Supply voltage: 600VAC Amps: 22 -32A; Contacts: NC *NO; Max Amps : 90A or 125A	Ea	50		
69		OVERLOAD RELAY: Supply voltage: 690VAC Amps: 30 -43A; Contacts: NC *NO Phases & KW: 3 phases	Ea	50		
70		OVERLOAD RELAY: Trip Settings Amp: 2.3A Supply voltage: 690VAC Amps: 1.6 -2.7A; Contacts: NC *NO Phases & KW: 3 phases	Ea	50		
71		OVERLOAD RELAY: Trip Settings Amp: 65A Supply voltage: 500VAC Amps: 1-150A; Contacts: NC *NO Phases & KW: 3 phases	Ea	50		
72		OVERLOAD RELAY: A50CN0 Part no: A50C-1; Supply voltage: 115-575VAC Amps: 27A; Phases & KW: 3 ph , 3-10HP	Ea	50		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

73		OVERLOAD RELAY: Make: TR2 D32; Trip Settings Amp: 32A Amps: 23 -32A; Contacts: NC *NO Phases & KW: 3 ph	Ea	50		
74		OVERLOAD RELAY: Trip Settings Amp: 40A Supply voltage: 380VAC Amps: 1-63A; Contacts: NC *NO Phases & KW: 3 phases	Ea	50		
75		RELAY: Make: Dividing relay (SP239115) Mounting type: 11-pin plug in Supply voltage: 115Vac, 50/60HZ	Ea	50		
76		RELAY: Make: Undercurrent monitor (UCP1) Mounting type: 11-pin plug in Supply voltage: 250Vac Amps: 10A	Ea	50		
77		TIMER: Make: Multi-function multi range timer – MFMRV, Mounting type:11-pin plug in Supply voltage: 24 - 250V AC/DC Settings: 10-100%	Ea	15		
78		TIMER: Make: PMB01DM24 - Multi function time relay Mounting type:11-pin plug in Supply voltage:10.5 - 265V AC/DC Settings: 0.1 sec-1sec	Ea	15		
79	0151403	TIMER: Make: PMB01DM24 - Multi function time relay, Overvoltage Mounting type:11-pin plug in Supply voltage:1024-240V AC/DC KW: 1.5KW	Ea	15		
80		TIMER: Make: Brodersen Unic XM - Multi function time relay Mounting type:11-pin plug in Supply voltage:10.5 - 265V AC/DC Settings: 6-60sec	Ea	15		
81		TIMER BASE: Make: ES12 Mounting type: bolted on Supply voltage: 400VAC Amps: 10A Pins: 11 pins	Ea	50		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

82		FUSE: Type: glass Mounting: screw in Amps: 2A Dimensions: 5 x 20mm	Ea	100		
83		FUSE: Make: FULOS 000 Mounting type: bolted on Supply voltage: 1000V AC Amps: 100A	Ea	50		
84	0137956	SELECTOR SWITCHES: Amps: 20A Mounting type: bolted on Supply voltage: 240VAC Number of positions & contacts: 3 position switch Phases: Off, Local & Remote	Ea	15		
85		AMP METER: CT ratio: 25/1 Dimensions: 60 x60mm Display: analogue Amp range: 0-50A	Ea	20		
86	0150475	AMP METER: CT ratio: 40/1 Dimensions: 60 x60mm Display: analogue Amp range: 0-80A	Ea	20		
87		AMP METER: CT ratio: 50/1 Dimensions: 60 x60mm Display: analogue Amp range: 0-100A	Ea	20		
88		AMP METER: CT ratio: 300/1 Dimensions: 60 x60mm Display: analogue Amp range: 0-600A	Ea	20		
89		AMP METER: CT ratio: 70/1 Dimensions: 60 x60mm Display: analogue Amp range: 0-140A	Ea	20		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

90		METER: Type: DPM 48/96 Dimensions: 48 x 96mm Supply voltage: 230VAC Amps: 5mA; Display: digital	Ea	20		
91		SOLENOID COIL: Model: C-507826; Type: K07/18 Voltage: 220V	Ea	10		
92	0120512	LIMIT SWITCH: Type: C635 ZCK-M1H29 XCK-M V1 Ui: 500V Supply voltage: 240V AC Amps: 3A	Ea	30		
93	0250341	LIMIT SWITCH: Type: G.O Proxy limit Model: 72-16528-B3	Ea	30		
94	0250342	LIMIT SWITCH: Type: G.O Proxy limit Model: 74-13528-B2	Ea	30		
95	0123261	LIMIT SWITCH: Make: AUMA TYPE 07-1521	Ea	30		
96	0193517	LIMIT SWITCH: Type: 3SE4206 (U400 AC15); Supply voltage: 400V Amps: 3A	Ea	30		
97		OVERLOAD RELAY: Type: E1 PLUS; Supply voltage: 220V Overload range: 7A - 27A	Ea	5		
98		OVERLOAD RELAY: Make: B27T; Overload range: 15A - 50A	Ea	5		
99		OVERLOAD RELAY: Supply voltage: 380V Overload range: 11A - 17A	Ea	5		
100		OVERLOAD RELAY: Supply voltage: 380V Overload range: 5.6A - 7A	Ea	5		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

101		OVERLOAD RELAY: Type: B - 50A Supply voltage: 380V Overload range: 15A - 23A	Ea	5		
102		OVERLOAD RELAY: Type: B - 63A Supply voltage: 380V Overload range: 20A - 32A	Ea	5		
103		OVERLOAD RELAY: Supply voltage: 380V Overload range: 2A - 8A	Ea	5		
104		OVERLOAD RELAY: Type: B, Overload range: 1A - 1.5A	Ea	5		
105		ELECTRONIC OVERLOAD RELAY: Make: BE 627E; E-NR: 910-341-765-00; Voltage: 150 - 280V	Ea	5		
106		PHASE ROTATION RELAY: Supply voltage: 400V Type: SMP1 (11 pin relay) Fault restart delay: 180 sec	Ea	10		
107		LATCH RELAY: Make: (CA3DK 22MD) Coil: 220V DC	Ea	15		
108		TEMPERATURE RELAY: Type: ST125(11 pins) Supply voltage: 220VAC; Range: 0-100 degrees celcius	Ea	10		
109		SIGNAL RELAY: Make: (RA 32N); Type: Flush mount; Contacts: 1 changeover/1 make contact Supply voltage: 220VAC	Ea	10		
110	0149175	AMMETER: Type: CP-72 Ratio: 15/1 Scale: 0 - 30A	Ea	30		
111		AMMETER: Ratio: 5/1 Scale: 0 - 10A	Ea	30		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

112		AMMETER: Type: BE-72 Ratio: 25/1, Scale: 0 - 25A (max 50A)	Ea	30		
113	0149756	AMMETER: Ratio: 40/1 Dimensions: 72x72mm Supply voltage: 380V	Ea	30		
114		TRANSDUCER: Model: KZ1-V75-A4M-C5-4; Type: DC Input: 0-75mVDC Output: 4-20 mADC Load: 500 ohms Aux: 90-260Vac/dc Class: 0.5, Calibr- 0-120% Linear	Ea	20		
115		CURRENT TRANSFORMER: Ratio: 30/1; Burden: 2.5; System voltage: 660V	Ea	25		
116		CURRENT TRANSFORMER: Ratio: 50/1; Burden: 2.5; Class: 1; System voltage: 660V; Serial no: 99-0219	Ea	15		
117		CIRCUIT BREAKER: Make:CBI Model: K25D Rating: 200A	Ea	20		
118		CIRCUIT BREAKER: Make:CBI Model: K25D Rating: 150A	Ea	20		
119		CIRCUIT BREAKER: Make:CBI Model: K25D Rating: 250A	Ea	20		
120		EARTH LEAKAGE: (TRIP COIL) SHT A550-45WRS	Ea	10		
121		FUSED LOADBREAK DISCONNECTOR: Model: Fulos 000 DIN 125A (3 Phase) Part no: D/062311-201	Ea	10		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

122	0594582/02375 35	FUSED LOADBREAK DISCONNECTOR: Model: Fulos 00 BS 100A (3 Phase) Part no: D/062322-241	Ea	10		
123		ISOLATOR: Model: Fulos000 Type: AZ-A3 ITH: 100A; UI: 1000V	Ea	15		
124		SWITCH DISCONNECTOR: Type: HL 61 Amps: 63A(8KV/3) Voltage: 660VAC Part no: 910-121-081	Ea	15		
125	0594583/05751 74	SWITCH DISCONNECTOR: Type: HL 121 Amps: 125A(8KV/1); Voltage: 660VAC Part no: 910-121-082	Ea	15		
126		ACTUATOR SWITCH: Type: Single (200MM) (pin 100-1.1) Actuator model: SA07.1-SA16.1	Ea	5		
127		ACTUATOR SWITCH: Type: Tandem (200MM) (pin 100-2.1) Actuator model: SA07.1 SA16.1	Ea	5		
128		CIRCUIT BREAKER: Type: No fuse breaker Model: NF630-CSA, Rated voltage: 550VAC (3Pole) Rated current: 500A	Ea	15		
129		CLIP ON AUXILIARY CONTACTS: Model: LA1KN11(1 NO - 1NC) Contactor model: LC1K 09004	Ea	50		
130		AUXILIARY CONTACTS: (for Isolator), Contactor type: D/061317-701 (125A) Contactor part no: 910-125-184	Ea	50		
131		AUXILIARY CONTACTS: Contactor type: D/061314-701 (63A) Contactor part no: 910-125-181	Ea	50		
132		CONTACTOR: Part no: LC1-D323 Amps: 50A, Coil voltage: 220V	Ea	15		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

133		CONTACTOR: Make: Telemecanique Part no: CA3KN40MD Coil voltage: 220VDC	Ea	15		
134		CONTACTOR COIL: Make: Cutler Hammer Type: 9-2824-6; Voltage: 380/415V	Ea	15		
135		FUSE: Type: Striker pin Amps: 160A Voltage: 3.3KV	Ea	50		
136	789678	RESISTOR: Type: 47K	Ea	200		
137	789450	ELECTRIC HEATER ELEMENT: Type: Porcelain Voltage: 380V; Power: 1500W; diameter: 55mm; length 1550mm	Ea	30		
139		GLOVES: Brand: Maxiflex (fully coated) Item no: HPATG428746 Colour: Black Yarn: Cotton Coating material: Micro-foam nitrile EN Rating: EN388-4131, Size: 8,9,10,11	Ea	6600		
140	0238462	NITRILE HEAVY DUTY GLOVES: Colour: Green (flock lined); Type: Acid proof, oil proof, alkali proof, abrasion proof	Ea	1500		
141	789684	GENERATOR MAIN EXCITER& SLIPRING FILTER CARTRIDGES: Material: Aluminium & cotton Length:33.4cm Outer Diameter: 26.5cm Inner Diameter: 20.5cm	Ea	120		
142	789407	ANTIFREEZE: Volume: 25L; Type: Summer coolant/premix/anti rust/anti boil	Ea	80		
143	789411	MONO ETHYLENE GLYCOL (BUTYL ETHER): for ammonia heater), 25 Litres	Ea	80		
144		WEATHERPROOF ISOLATOR SWITCH: 16A 3KA, 3P MCB	Ea	15		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

145	789316	PUSH STOP BUTTON SWITCH: Round; NC; Red 220Vac; Flush button	Ea.	30		
146	789315	PUSH START BUTTON SWITCH: Round; NO; Green 220Vac Flush button	Ea.	30		
147		PILOT LIGHT HIGH: red LED 22MM; 230V AC/DC; Panel mount	Ea.	20		
148		PILOT LIGHT HIGH AMBER: LED 22MM, 230V AC/DC; Panel mount	Ea.	20		
149		PILOT LIGHT HIGH GREEN: LED 22MM; 230V AC/DC; Panel mount	Ea.	20		
150	789867	TRANSFORMER: 380/220 Volts 500VA; 14mm breath 12mm Height	Ea.	2		
151		AUXILIARY SWITCH: 3ty7561-1S2no 2nc 50Hz E01	Ea.	10		
152	0783880	AUXILIARY SWITCH: 3ty7561-1N; 1no 1nc 50Hz	Ea.	10		
PROTECTION, TESTING & METERING (PTM) SPARES						
153	0758271	VOLTAGE TRANSDUCER: ISKRA MT416 Housing for DIN rail mounting Automatic range (max. 600 VL-N) Input frequency: 50 / 60 Hz, 400 Hz Power accuracy class 0.5 Universal power supply or transformer power supply Serial communication (RS232 or RS485 up to 115,200 bit/s)USB 2.0, MODBUS RTU communication protocol.	Ea.	20		
154	0647334	CURRENT TRANSDUCER: ISKRA MT418 Housing for DIN rail mounting Automatic range (max. 12 A) Input frequency: 50 / 60 Hz, 400 Hz Power accuracy class 0.5 Universal power supply or transformer power supply Serial communication (RS232 or RS485 up to 115,200 bit/s) USB 2.0, MODBUS RTU communication protocol.	Ea.	20		
155	0602769	POWER SUPPLY MODULE: SPTU240R1, Uaux = 80-265V, Un = 50/100/200 V; Fn = 50/60 Hz	Ea.	20		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

156	0255347	POWER SUPPLY MODULE: ABB, SPTU240R2, Uaux = 80-265V, Un = 50/100/200 V; Fn = 50/60 Hz (Spares for SPM1AJ 142C Relay)	Ea	20		
157	0609739	MEMORY/MODULAR CARD: SPCJ4D29 B-AB	Ea	20		
158		MEMORY/MODULAR CARD: SPCJ4D34-AA	Ea	20		
159		UNDER/OVERCURRENT RELAY: RXIG-21 (RK 411 002-DE); Iac = 0.25-0.75A; U1 = 110-125Vdc; U2 = 220- 250Vdc, f = 50/60 Hz	Ea	20		
160	0238462	MEAN AMP TRANSDUCER: KA1-A1-A4M-C5-2, Type: Mean RA/A; Input: 0-1Aac; Output: 4-20mAdc Load: 500 Ohms; Aux: 220Vac 50Hz; Calibr: 0...10... 140%; Class 0.5 Serial no: KA106210010	Ea	20		
161	0249297	DC SIGNAL CONDITIONER: KZ1-V75M-A4M-C5-4; Type: DC Voltage; Input: 0-75mVdc; Output: 4-20mAdc; Load: 500 Ohms; Calibr: 0...120%Linear; Aux: 90-260Vac/dc; Class: 0.5; Serial no: KZ106210005	Ea	20		
BATTERY MAINTENANCE (DC) SPARES						
162	789448	CHEMICAL/ACID BUCKET SPILL KIT: 1 X Durable Bucket, 1 X 15l Chemical Absorbent Powder, 1 X 1,2m Hazmat Absorbent Booms, 1 X Hazmat Absorbent Pillow, 1 X Dustpan & Brush, 1 X Pair Of Heavy Duty PVC Gloves, 1 X Pair of Safety Goggles, 1 X Dust Mask, 1 X Heavy Duty Recovery Bags, 1 X Spill Instruction Guide, 1 X Inventory Guide	Ea	5		
163	0541870	INDUSTRIAL MOP: Wooden handle	Ea	15		
164	789448	INDUSTRIAL BROOM: Nylon bristles Wooden handle	Ea	15		
165	789318	SQUEEZE MOP: Wooden handle	Ea	15		
166	0160724	APRON: Type: Acid resistant	Ea	15		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

167	0247114, 0697286	LATEX GLOVES: 100's Type: Powder free Colour: White Size: M, L	Ea	1000		
168	789445	WHEEL BUCKET: Plastic handle	Ea	10		
169	0159675	FLAT MOP: Wooden handle	Ea	10		
AIRCON MAINTENANCE SPARES						
170		ROTARY COMPRESSOR: 9 000 BTU high wall split type compressor 220v	Ea	20		
171	0227984/07118 78	ROTARY COMPRESSOR: 12 000 BTU high wall split type compressor 220VAC	Ea	20		
172	0227985/07608 58	ROTARY COMPRESSOR: 18000 BTU high wall split type compressor 220VAC	Ea	20		
173	0579235	ROTARY COMPRESSOR: 22 000 BTU high wall split type compressor 220VAC	Ea	20		
174	0760855/02276 32	ROTARY COMPRESSOR: 24000 BTU high wall split type compressor 220VAC	Ea	20		
175		ROTARY COMPRESSOR: 36000 BTU high wall split-type compressor 220VAC	Ea	20		
176		ROTARY COMPRESSOR: 60 000 BTU split unit compressor 380VAC	Ea	20		
177	789868	EVAPORATOR: 60 000th BTU	Ea	20		
178		FAN MOTOR: M4Q045-EA0194 230V; 0.62A; 1300min 80/20W	Ea	20		
179	0528076/01574 69	REFRIGERANT GAS: R22 - 13.6 kg container	Ea	100		
180	0685255	REFRIGERANT GAS: R407c -13 kg container	Ea	100		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

181	789317	REFRIGERANT GAS: R507c -13kg container	Ea	100		
182	0685255	REFRIGERANT GAS: R410a - 13kg container	Ea	100		
183	0723140/06678 11	REFRIGERANT GAS: R134a– 13kg container	Ea	100		
184	789317	REFRIGERANT GAS: R600a -13kg container	Ea	100		
185		ROLL OF PIPE: 1/2"x15.5m for refrigerant application	Ea	10		
186		ROLL OF PIPE: 1/4"x15.5m roll of pipe for refrigerant application	Ea	10		
187		ROLL OF PIPE: 3/8"x15.5m for refrigerant application	Ea	10		
188		ROLL OF PIPE: 5/8"x15.5m for refrigerant application	Ea	10		
189		ROLL OF PIPE: 3/4"x15.5m for refrigerant application	Ea	10		
190		ARM FLEX: 7/8"x15.5m refrigerant application	Ea	10		
191		ARM FLEX: 1/4"x15.5m refrigerant application	Ea	10		
192		ARM FLEX: 3/8"x15.5m refrigerant application	Ea	10		
193		ARM FLEX: 5/8"x15.5m refrigerant application	Ea	10		
194		ARM FLEX: 3/4"x15.5m refrigerant application	Ea	10		
195		PIPE: Copper; 1.1/8" per 3m for refrigerant use	Ea	10		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

196		PIPE: Copper; 2" per 3m for refrigerant use	Ea	10		
197		PIPE: Copper; 2.1/8" per 3m for refrigerant use	Ea	10		
198		PIPE: Copper; 2.1/2" per 3m for refrigerant use	Ea	10		
199	789305	TRUNKING: 75 x 75mm per 3m gray PVC	Ea	20		
200		PIPE: Drain PVC 25 mm per 3m length	Ea	20		
201	789679	PIPE: Drain PVC 40 mm per length	Ea	20		
202	789449	COPPER TEC: 2,5mm per 2kg	Ea	200		
203	789683	ROD: Aluminum 2kg	Ea	200		
204	789306	TRUNKING: PVC 16x16mm	Ea	200		
205		COMPRESSOR: SZ161T4VE 380V- 400V	Ea	8		
206		COMPRESSOR: WSH161A4ACC 380-400V	Ea	8		
207		PUMP: DPL50/140(127)-3/2-ERCD	Ea	10		
208	789446	SOLDER: Silver 1,5mm per 1kg	Ea	200		
209	789403	CANTILEVER CONDENSER: 350 sets-o-line type each	Ea	100		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

210	789404	CANTILEVER CONDENSER: 600 sets-o-line type each	Ea	20		
211		CAPACITOR: 25uf 400Volt	Ea	50		
212		CAPACITOR: 35uf; 400Volt	Ea	50		
213		CAPACITOR: 40uf ; 400Volt	Ea	50		
214		CAPACITOR: 50uf ; 400Volt	Ea	50		
215		CONTACTOR: AF26-30-00-14; kw6.5 hp7.5 v230	Ea	20		
216		CONTACTS AUXILIARY: CAL4 V240; 16	Ea	20		
217		INDOOR UNIT: 900 BTU kfr-25bhi	Ea	15		
218		INDOOR UNIT: 12000 BTU kfr-35bhi	Ea	15		
9219		INDOOR UNIT: 18000 BTU kfr-53bhi	Ea	15		
220		INDOOR UNIT: 22000 BTU kfr-70bhi	Ea	15		
221		INDOOR UNIT: 32000 BTU kfr-89bhi	Ea	15		
222	789320	HEAT PLATE EXCHANGER: B200thx144/1p-sch224+35.1/2x21/2 1/2" vic	Ea	15		
223		DRIVE: XAP146CM009C.I VSD drive 2.2kw /4.7a /380v- 400	Ea	12		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

224		CHILLER: 380LDU1-96HNI /380- 415/50HZ/410A/P14.4KW	Ea	2		
225		CHILLER: 30RW-120-A0157-PE	Ea	1		
226		CHILLER: 30WG-120-A0069-PE	Ea	1		
227		CHILLER: LGP600 2	Ea	1		
228		CHILLER: 30RSQS-078A0057-PE-	Ea	1		
229		CHILLER: CHW 29,39,56,67, /CHO	Ea	1		
230		CONDENSER FAN MOTOR: YDK38-4D 220-240V; 350W; 3.5A	Ea	10		
231		CONDENSER FAN MOTOR: GCHV-D280W/HZR1-100 28.0KW COOLING; 380-415V	Ea	10		
232		CONDENSER FAN MOTOR: 38LDU1-96HN1; 380-415V	Ea	10		
233		CONDENSER FAN MOTOR: Condenser fan 38LDU-140HN1 380V; 26900W	Ea	10		
234		COMPRESSOR: TFH2511Z R404	Ea	15		
235		COMPRESSOR: CAJ4513Y 134a	Ea	15		
236		COMPRESSOR: TFH4531F R22	Ea	15		
237		COMPRESSOR: MS185S-CVE R22 400V; 142A	Ea	15		
238		COMPRESSOR: SZ16T4VE; LR 145A 380-400V 60HTZ	Ea	15		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

239		COMPRESSOR: ZP90KCE-TFD-425 LAR I BLOCK 86-95 380V-420V	Ea	15		
240		COMPRESSOR: WSH161A4ACC 380-400V; LR 215A	Ea	15		
241		COMPRESSOR: SZ240A4CAE 380-400V; LR 215A	Ea	15		
242		COMPRESSOR: HYS69YCA 1/4HP 220-240V	Ea	15		
243		COMPRESSOR: E605DH-59D2YD 380-415V; 3-60Hz	Ea	15		
244		COMPRESSOR: HYE81MHU 1/4 220/240V	Ea	15		
245		PUMP: W090135-2-F188LI 3.00KW; 400V; 6.29A	Ea	5		
246		PUMP: JRL205-15/4 KW.4 MIM=2890	Ea	5		
247		COOLING TOWER: LSWA 20B RH 380V PRESSURE 2600 KW 1X4.0	Ea	1		
248		COOLING TOWER: EWK 03806-20 0.37; PRESSURE 2500 380V; 50Hz	Ea	1		
249		COOLING TOWER: 2.2kwPN 16 P/N DIL204-14/2.2; 30RW500042EE pump	Ea	5		
250		V-BELT: 17X1950LI	Ea	20		
251		V-BELT: 17X1810	Ea	20		
252		V-BELT: 17X2220	Ea	20		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

253		V-BELT: 17V2210	Ea	20		
254		V-BELT: 17x1480LI	Ea	20		
255		V-BELT: 13X1530LI	Ea	20		
256		SENSOR: pipe temperature sensor	Ea	10		
257	789869	SENSOR: Chilled water and condenser water sensor 0 - 50°C	Ea	5		
258		SENSOR: LP/ HP switches	Ea	5		
259	789710	PRESSURE GUAGE: 0-500 kpa	Ea	6		
260		OUTDOOR UNIT: 24TH BTU KFR -70 /BHI	Ea	10		
261		OUTDOOR UNIT 32TH BTU KFR - 89/BHI	Ea	10		
262		OUTDOOR UNIT 18TH BTU KFR -53/BHI	Ea	10		
263		OUTDOOR UNIT 12TH BTU KFR - 35/ BHI	Ea	10		
264		OUTDOOR UNIT 9TH BTU KFR - 25/BHI	Ea	10		
265		CONDENSING UNIT: AVR, GCHV-D280W/HZR1 -10	Ea	3		
266		CONDENSING UNIT: 380LDU1-96HNI	Ea	3		

The supply and delivery of spares for Aircons, batteries, PTM and electrical maintenance departments on "as and when required basis" at Arnot Power Station for a period of 60 month

267		INDOOR UNIT: Non-inverter KFR-25 BH	Ea	5		
268		INDOOR UNIT: Non-inverter KFR-35 BH	Ea	5		
269		INDOOR UNIT: Non-inverter KFR-53 BH	Ea	5		
270		INDOOR UNIT: Non-inverter KFR-70 BH	Ea	5		
271		OUTDOOR UNIT Non-inverter KFR-25 O	Ea	5		
272		OUTDOOR UNIT Non-inverter KFR-35 O	Ea	5		
273		OUTDOOR UNIT Non-inverter KFR-53O	Ea	5		
274		OUTDOOR UNIT Non-inverter KFR-70 O	Ea	5		
275	789319	HEAT EXCHANGER PLATE: AC120-86EQ PN EU-12CN-086-EE	Ea	5		
SAFETY REQUIREMENTS						
276		Safety file (year 1)	Ea.	1		
277		Safety file (year 2- 5)	Ea.	4		
278		Police clearances	Ea.	10		
279		Medicals	Ea.	10		

The total of the Prices

PART 3: SCOPE OF WORK

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

C3.1: PURCHASER'S GOODS INFORMATION**Contents**

Part 3: Scope of Work	1
C3.1: Purchaser's Goods Information	2
1 Overview and purpose of the goods and services	4
2 Specification and description of the goods	4
3 Supply Requirements	4
4 Constraints on how the Supplier Provides the Goods	4
4.1 Programming constraints	4
4.2 Work to be done by Delivery Date	4
4.3 Marking the goods	4
4.4 Constraints at the delivery place and place of use	5
4.5 Cooperating with Others	5
4.6 Management meetings	5
4.7 Documentation control	5
4.8 Health and safety risk management	5
4.9 Environmental constraints and management	6
4.10 Quality	6
4.11 Invoicing and payment	6
4.12 Insurance provided by the Purchaser	6
4.13 Contract change management	6
4.14 Records of Defined Cost, payments & assessments of compensation events to be kept by the Supplier	7
5 Procurement	7
5.1 Subcontracting	7
5.1.1 Preferred subcontractors	7
5.1.2 Limitations on subcontracting	7
5.1.3 Spares and consumables	7
5.1.4 Other requirements related to procurement	7
5.1.5 Cataloguing requirements	7
6 List of drawings	8
6.1 Drawings issued by the Purchaser	8
C3.2 Supplier's Goods Information	9

1 Overview and purpose of the *goods* and *services*

- The supply and delivery of spares for the Aircon, batteries maintenance, PTM and electrical maintenance departments on "as and when required basis"
- The spares include but are not limited to, contactors, circuit breakers, fuses, gloves, ammeters, transducers, relays, limit switches, stove plates, overload relays, stove switches and any other electrical spares as contained in the price list.
- All spares must comply with relevant national standards.
- Supplier to provide warranty and guarantee periods for all spares as stipulated in the contract documentation.
- Supplier to provide manufacturer's catalogues, datasheets, and installation manuals.
- All items shall be new, unused, and free from defects.
- Packaging shall be robust and suitable for storage and transportation.
- Each item shall be clearly labelled with description, part number, batch/serial number, and handling instructions.
- Delivery shall be in accordance with the agreed delivery schedule. Any deviations must be communicated and approved by the Purchaser.
- All spares shall be delivered to Arnot power station, Electrical maintenance department.
- Suppliers to comply with SANS 10147 & SANS 347 when handling refrigerants.

2 Specification and description of the *goods*

The specifications of some of the items is provided as Annexure B and full description as part of the item under the price data document

3 Supply Requirements

Supplier to provide manufacturer's catalogues, datasheets, and installation manuals

Packaging shall be robust and suitable for storage and transportation.

Each item shall be clearly labelled with description, part number, batch/serial number, and handling instructions

4 Constraints on how the *Supplier* Provides the Goods

4.1 Programming constraints

Not applicable

4.2 Work to be done by the Delivery Date

Supplier to arrange gate access with the *Supply Manager* before delivery to site.

All goods are to be delivered as per the Purchase order issued and quality check to be done after every delivery.

4.3 Marking the *goods*

Each item shall be clearly labelled with description, part number, batch/serial number, and handling instructions.

4.4 Constraints at the delivery place and place of use

- All spares are to be delivered to Arnot power station which is a National key point (NKP). NKPs have designated points of entry and exit that are managed by security personnel.
- Visitors may be subject to security screening as a condition of entry.
- Visitors must comply with all site-specific health, safety, and Eskom lifesaving rules.

Delivery times: Monday

Thursday: 07:30 - 15:30

Friday 07:30 – 11:00

4.5 Cooperating with Others

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

4.6 Management meetings

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	As and when required	Arnot Power Station/ Supplier site/MS Teams	<i>Purchaser, Supplier</i>
Overall contract progress and feedback	As and when required	Arnot Power Station/ Supplier site/MS	<i>Purchaser, Supplier</i>

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

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

4.7 Documentation control

Official contractual communication, i.e. instructions, etc. will take place only between the *Supplier* and the *Supply Manager*. The communication media of choice will be by emails addressed to the correct recipient. This may be a message in the email itself, supported by any relevant attachments. Any other recipients may be copied in communication emails.

4.8 Health and safety risk management

In addition to the requirements of the laws governing health and safety, the *Purchaser* may have some additional requirements particular to the *goods* and the location where they are to be delivered for this contract. This is a requirement of clause 25.4.

The *Supplier* shall comply with the health and safety requirements [stated here or contained in Annexure _____ to this Goods Information].

4.9 Environmental constraints and management

Describe or cross refer to environmental constraints applicable to the *Supplier's* design of the *goods* if not already included in the *Purchaser's* URS.

The *Supplier* shall comply with the environmental criteria and constraints [stated here or contained in Annexure _____]

4.10 Quality

Specify minimum requirements for the *Supplier's* Quality Plan and Work Procedures if required and not already covered in the specifications for the *goods*. State whether ISO compliance is a condition and if so which ISO standard shall apply.

4.11 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)

All invoices to be send electronically in PDF to Eskom finance at invoiceseskomlocal@eskom.co.za

4.12 Insurance provided by the *Purchaser*

The Employer's Insurance Policies can be viewed on the following

website: <http://www.eskom.co.za/c/101/insurance-policies-procedures/>.

The Employer's Insurance Policies is reviewed and may be revised annually on the annual insurance policy maturity date at the end of March each year when the Contractor is advised to inform himself of such updates on the above website. Claims procedures and claim forms are also available from this website. If Marine insurance is applicable, the procedure for initiation of this insurance cover is also available from this website

4.13 Contract change management

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

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

For other compensation event the changes to the prices are assessed as the effect of the compensation event upon: Supplier is required to keep any records of

- Defined Cost of the work already done
- The forecast Defined Cost of the spares not yet delivered and
- The resulting fee

5 Procurement

5.1 Subcontracting

5.1.1 Preferred subcontractors

SC does not make use of nominated subcontracting, but the *Purchaser* may list which subcontractors or sub-suppliers the *Supplier* is required to enter into subcontracts with (if any). This is usually only required where plant and materials need to be obtained from a particular supplier or group of suppliers in order to comply with operational standards for the *goods*.

5.1.2 Limitations on subcontracting

The *Purchaser* may require that the *Supplier* must subcontract certain specialised work, or that the *Supplier* shall not subcontract more than a specified proportion of the whole of the contract.

5.1.3 Spares and consumables

Some contracts may need to include provision for the supply of a minimum category of spares, fuel, oil or other consumables which the *Purchaser* may need at or just after delivery or commissioning of the *goods* and that it is best the *Supplier* provide these initially as part of his Providing the Goods and Services

5.1.4 Other requirements related to procurement

Other requirements such as ASGISA or socio political enhancements the *Supplier* is to provide as part of Providing the Goods and Services (if any) could be included here.

5.1.5 Cataloguing requirements by the *Supplier*

State whether cataloguing is applicable, if it is, reference the requirements for cataloguing that need to be satisfied by the *Supplier* (consult Procurement Instruction Number 1 of 2018 – Incorporating Cataloguing into the Procurement Environment, Unique Identifier 240-1289988974).

6 List of drawings

6.1 Drawings issued by the Purchaser

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

Drawing number	Revision	Title
Not Applicable		

C3.2 SUPPLIER'S GOODS INFORMATION

This section of the Goods Information will always be contract specific depending on the nature of the *goods* and *services*.

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

This section could also be compiled as a separate file.
