



NEC3 Term Service

Short Contract (TSSC3)

A contract between **Eskom Holdings SOC Ltd**
(Reg No. 2002/015527/30)

and

for FULL REFURSBISHMENT AND TESTING OF MEDIUM VOLTAGE
MOTORS FROM ARNOT POWER STATION

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Documentation prepared by: [•]

C1 Agreements & Contract Data

C1.1 Form of Offer and Acceptance

Offer

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

FULL REFURSBISHMENT, TESTING AND DELIVERY OF MEDIUM VOLTAGE MOTORS FROM ARNOT POWER STATION

The tenderer, identified in the signature block below, having examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, and by submitting this Offer has accepted the Conditions of Tender.

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 Contractor 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 Prices inclusive of VAT is	R
(in words)	

This Offer may be accepted by the Employer by signing the form of Acceptance overleaf 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 Contractor 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

Tenderer's CIDB registration number:

Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor 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 Employer 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 1 Agreements and Contract Data, (which includes this Form of Offer and Acceptance)

Part 2 Pricing Data

Part 3 Scope of Work: Service Information

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 Tender Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the Employer 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, which must be signed by the duly authorised representative(s) for both parties.

The tenderer shall within one week of receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer'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 copy of this document, including the Schedule of Deviations (if any) together with all the terms of the contract as listed above.

Signature(s)

Name(s)

Capacity

**for the
Employer**

(Insert name and address of organisation)

Name &
signature of
witness

Date

Note: If a tenderer wishes to submit alternative tender offers, further copies of this document may be used for that purpose, duly endorsed, 'Alternative Tender No. _____'

Schedule of Deviations

Note:

1. To be completed by the Employer prior to award of contract. 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 Employer 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 Employer 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 Employer 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 Employer

Signature _____

Name _____

Capacity _____

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

(Insert name and address of organisation)

Name & signature of witness _____

Date _____

C1.2 Contract Data

Data provided by the *Employer*

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

1. Please read the relevant clauses in the NEC3 Term Service Short Contract (April 2013) (TSSC3)¹ before you enter data. The number of the principal clause is shown for most statements however other clauses may also use the same data.
2. Where the following symbol is used "[•]" - data is required to be inserted.]

Completion of the data in full is essential to create a complete contract.

Clause	Statement	Data
General		
10.1	The <i>Employer</i> is (Name):	Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state owned company incorporated in terms of the company laws of the Republic of South Africa
	Address	Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
	Tel No.	013 297 9787
	Fax No.	086 654 2986
	E-mail address	nkosisw@eskom.co.za
	If the <i>Employer</i> appoints an <i>Employer's Agent</i> , the <i>Employer's Agent</i> is:	
14.5	Name	[•]
	Address	[•]
	Tel No.	[•]
	Fax No.	[•]
	E-mail address	[•]
	The authority of the <i>Employer's Agent</i> is	[•]
11.2(5)	The <i>service</i> is	MAINTENANCE AND REPAIRS OF TRANSFORMERS ON AN "AS AND WHEN REQUIRED BASIS"
11.2(6)	The Service Information is in	the document called 'Service Information' in Part 3 of this contract.
30.1	The <i>starting date</i> is.	
30.1	The <i>service period</i> is.	
13.2	The <i>period for reply</i> is	2 weeks
50.1	The <i>assessment day</i> is the	A week after each service

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

51.2	The interest rate on late payment is	0% per complete week of delay. [Insert a rate only if a rate less than 0.5% per week of delay has been agreed]
80.1	The <i>Contractor</i> is not liable to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property in excess of	the amount of the deductibles relevant to the event described in the "Format TSSC3" insurance policy available on http://www.eskom.co.za/Tenders/InsurancePoliciesProcedures/Pages/EIMS_Policies_From_1_April_2014_To_31_March_2015.aspx
82.1	The <i>Employer</i> provides this insurance	as stated for "Format TSSC3" available on http://www.eskom.co.za/Tenders/InsurancePoliciesProcedures/Pages/EIMS_Policies_From_1_April_2014_To_31_March_2015.aspx (See Annexure A for basic guidance)
82.1	The minimum amount of cover for the first insurance stated in the Insurance Table is:	the amount of the deductibles relevant to the event described in the "Format TSSC3" insurance policy available on http://www.eskom.co.za/Tenders/InsurancePoliciesProcedures/Pages/EIMS_Policies_From_1_April_2014_To_31_March_2015.aspx
82.1	The minimum amount of cover for the third insurance stated in the Insurance Table is:	whatever the <i>Contractor</i> deems necessary in addition to that provided by the <i>Employer</i>.
82.1	The minimum amount of cover for the fourth insurance stated in the Insurance Table is:	As prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 and the <i>Contractor's</i> common law liability for people falling outside the scope of the Act with a limit of Indemnity of not less than R500 000 (Five hundred thousand Rands)
	Does the United Kingdom Housing Grants, Construction and Regeneration Act (1996) apply?	No
93.1	The <i>Adjudicator</i> is	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).
	Address	[•]
	Tel No.	[•]
	Fax No.	[•]
	e-mail	[•]

93.2(2)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA a joint Division of the South African Institution of Civil Engineering and the London Institution of Civil Engineers. (See www.ice-sa.org.za) or its successor body
93.4	The <i>tribunal</i> is:	arbitration.
	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.
	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.

The *conditions of contract* are the NEC3 Term Service Short Contract (April 2013)²³ and the following additional conditions Z1 to Z11 which always apply:

Z1 Cession delegation and assignment

- Z1.1 The *Contractor* does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Employer*.
- Z1.2 Notwithstanding the above, the *Employer* may on written notice to the *Contractor* 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 Change of Broad Based Black Economic Empowerment (B-BBEE) status

- Z2.1 Where a change in the *Contractor's* legal status, ownership or any other change to his business composition or business dealings results in a change to the *Contractor's* B-BBEE status, the *Contractor* notifies the *Employer* within seven days of the change.
- Z2.2 The *Contractor* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Employer* within thirty days of the notification or as otherwise instructed by the *Employer*.
- Z2.3 Where, as a result, the *Contractor's* B-BBEE status has decreased since the *starting date* the *Employer* may either re-negotiate this contract or alternatively, terminate the *Contractor's* obligation to Provide the Service.
- Z2.4 Failure by the *Contractor* to notify the *Employer* of a change in its B-BBEE status may constitute a reason for termination. If the *Employer* terminates in terms of this clause, the procedures on termination are those stated in Clause 91.1 and the amount due on termination includes amounts listed in Clause 92.1 less a deduction of the forecast additional cost to the *Employer* of completing the *service*.

² If the previous edition applies change 'April 2013' for 'September 2009'.

³ State whether attached as a 'PDF' file in terms of Eskom's licence, or to be obtained from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902 or www.ecs.co.za

Z3 Confidentiality

- Z3.1 The *Contractor* does not disclose or make any information arising from or in connection with this contract available to others except where required by this contract. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the *Contractor*, enters the public domain or to information which was already in the possession of the *Contractor* at the time of disclosure (evidenced by written records in existence at that time). Should the *Contractor* disclose information to others where required by this contract the *Contractor* ensures that the provisions of this clause are complied with by the recipient.
- Z3.2 If the *Contractor* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Employer*.
- Z3.3 In the event that the *Contractor* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Contractor*, to the extent permitted by law prior to disclosure, notifies the *Employer* 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 *Contractor* 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.
- Z3.4 The taking of images (whether photographs, video footage or otherwise) of the *Employer's* property or any portion thereof, in the course of Providing the Service and after the end of the *service period*, requires the prior written consent of the *Employer*. All rights in and to all such images vests exclusively in the *Employer*.
- Z3.5 The *Contractor* ensures that all his subcontractors abide by the undertakings in this clause.

Z4 Waiver and estoppel: Add to clause 12.2:

- Z4.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties or their delegates 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.

Z5 Health, safety and the environment

- Z5.1 The *Contractor* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the execution of the *service*. Without limitation the *Contractor*:
- warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with the Construction Regulations, 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 *service*; and
 - undertakes, in and about the execution of the *service*, to comply with the Construction Regulations and 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 *Contractor's* direction and control, likewise observe and comply with the foregoing.
- Z5.2 The *Contractor*, in and about the execution of the *service*, 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 *Contractor's* direction and control, likewise observe and comply with the foregoing.

Z6 Provision of a Tax Invoice and interest. Add to clause 50

- Z6.1 The *Contractor* provides the *Employer* with a tax invoice in accordance with the *Employer's* procedures stated in the Service Information, showing the correctly assessed amount due for payment.
- Z6.2 If the *Contractor* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Employer* 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 *Employer* in terms of clause 51.2 is then calculated from the delayed date by when payment is to be made.
- Z6.3 The *Contractor* is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the *Employer's* VAT number 4740101508 on each invoice he submits for payment.

Z7 Notifying compensation events

- Z7.1 Delete from the last sentence in clause 61.1, "unless the event arises from an instruction of the *Employer*."

Z8 *Employer's* limitation of liability; Add to clause 80.2

- Z8.1 The *Employer's* liability to the *Contractor* for the *Contractor's* indirect or consequential loss is limited to R0.00 (zero Rand).

Z9 Termination: Add to clause 90.2, after the words "or its equivalent":

- Z9.1 or had a business rescue order granted against it.

Z10 Addition to Clause 50.4

- Z10.1 If the amount due for the *Contractor's* payment of *delay damages* reaches the limits stated in a Task Order (if any), the *Employer* may terminate the *Contractor's* obligation to Provide the Service.
- Z10.2 If the *Employer* terminates in terms of this clause, the procedures on termination are those stated in Clause 91.1 and the amount due on termination includes amounts listed in Clause 92.1 less a deduction of the forecast additional cost to the *Employer* of completing the *service*.

Z11 Ethics

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

Affected Party	means, as the context requires, any party, irrespective of whether it is the <i>Contractor</i> or a third party, such party's employees, agents, or Subcontractors or Subcontractor's employees, or any one or more of all of these parties' relatives or friends,
Coercive Action	means to harm or threaten to harm, directly or indirectly, an Affected Party or the property of an Affected Party, or to otherwise influence or attempt to influence an Affected Party to act unlawfully or illegally,

Collusive Action	means where two or more parties co-operate to achieve an unlawful or illegal purpose, including to influence an Affected Party to act unlawfully or illegally,
Committing Party	means, as the context requires, the <i>Contractor</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.

- Z 11.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.
- Z 11.2 The *Employer* may terminate the *Contractor's* obligation to Provide the Service if a Committing Party has taken such Prohibited Action and the *Contractor* did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the *Employer* 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 *Employer* can terminate the *Contractor's* obligation to Provide the Service for this reason.
- Z 11.3 If the *Employer* terminates the *Contractor's* obligation to Provide the Service for this reason, the amounts due on termination are those intended in core clauses 92.1 and 92.2.
- Z 11.4 A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited Action. Where the *Employer* does not have a contractual bond with the Committing Party, the *Contractor* ensures that the Committing Party co-operates fully with an investigation.

Annexure A: Insurance provided by the Employer

These notes are provided as guidance to tendering contractors and the Contractor about the insurance provided by the Employer. The Contractor must obtain its own advice. Details of the insurance itself are available from the internet web link given below.

1. Services provided in a TSSC3 contract could include some element of construction or refurbishment as well as a continuous maintenance or operational service activity. If an event occurs which causes loss or damage, a claim could be made either against the *Employer's* "works" policy which may be in place for the *Employer's* portion of the property affected by the *service* or against the *Employer's* "assets" policy which may be in place for the *Employer's* portion of the property affected by the *service*, or both.
2. The cover provided and the deductibles under the works policy are different to those under the assets policy. Each policy has a range of applicable deductibles depending on the location of the property affected by the *service* and the nature of the insurable event.
3. The *Contractor* is required in terms of Contract Data for clause 82 to provide cover for the deductibles in the insurance provided by the *Employer*. This can be provided from the *Contractor's* own resources on a 'self insured' basis or obtained by him from his own insurers. In order to assess the extent of this cover, tendering contractors and their brokers should consult the internet web link given below and scroll to 'Format TSSC3' to establish both the cover and the deductibles in relation to the *service* provided in terms of this contract.
4. Tendering contractors should note that cover provided by the *Employer* is only per the policies available on the internet web link listed below and may not be the cover required by the tendering contractor to cover his risks as intended by each of the listed insurances in the left hand column of the Insurance Table in clause 82.1. In terms of clause 82.1 "the *Contractor* provides the insurances stated in the Insurance Table. The *Contractor* does not provide an insurance which the *Employer* is to provide as stated in the Contract Data". Hence the *Contractor* provides insurance which the *Employer* does not provide and in cases where the *Employer* does provide insurance the *Contractor* insures for the difference between what the Insurance Table requires and what the *Employer* provides.
5. Part 2 of the contract will include a requirement for the tendering contractor to identify the cost of insurance which he has allowed for in his Prices, given the foregoing guidance, either as a separate priced item or
6. Further information and full details of all Eskom provided policies and procedures may be obtained from:

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

Data provided by the Contractor (the Contractor's Offer)

The tendering contractor is advised to read both the NEC3 Term Service Short Contract (April 2013) and the relevant parts of its Guidance Notes (TSSC3-GN)⁴ in order to understand the implications of this Data which the tenderer is required to complete. An example of the completed Data is provided on page 24 of the TSSC3 Guidance Notes.

Completion of the data in full is essential to create a complete contract.

10.1	The <i>Contractor</i> is (Name):	[•]
	Address	[•]
	Tel No.	[•]
	Fax No.	[•]
	E-mail address	[•]
63.2	The percentage for overheads and profit added to the Defined Cost for people is	0.5%
63.2	The percentage for overheads and profit added to other Defined Cost is	1%
11.2(4)	The Price List is in	the document called 'Price List' in Part 2 of this contract.
11.2(4)	The offered total of the Prices for part of the <i>service</i> in Part 1 of the Price List is [Enter the total of the Prices from the Price List]:	R excluding VAT [in words] excluding VAT
11.2(4)	The offered total of the Prices for part of the <i>service</i> in Part 2 of the Price List is [Enter the total of the Prices from the Price List]:	R[•] excluding VAT [in words] [•] excluding VAT

⁴ Available from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902, or www.ecs.co.za.

C2 Pricing Data

C2.1 Pricing assumptions

The Price List is in two parts. Part 1 is for work described in the Service Information not requiring the *Employer* to issue a Task Order. Part 2 is for work to be carried out within a stated period of time on a task by Task basis and instructed by Task Order. The *service* may comprise work under Part 1 only or Part 2 only or a mix of both.

Entries in the first four columns of Part 1 of the Price List are made either by the *Employer* or the tenderer. Entries in the first four columns of Part 2 of the Price List would normally be made by the *Employer* as the Party most likely to know the kind of work which will be instructed by the issue of Task Orders. The tenderer then enters a rate for each item and multiplies it by the Expected quantity to produce the Price to be entered in the final column.

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

If the *Contractor* is to be paid an amount for the item of work which is the rate for the work multiplied by the quantity completed, the tenderer enters a rate for each item and multiplies it by the Expected quantity to produce the Price, to be entered in the final column.

If the *Contractor* is to be paid a Price for an item proportional to the length of time for which a service is provided, a unit of time is stated in the Unit column and the expected length of time (as a quantity of the stated units of time) is stated in the Expected quantity column.

The rates and Prices entered for each item includes for all work and other things necessary to complete the item.

C2.2 Price List**Part 1**

The rates and Prices entered for each item includes for all work and other things necessary to complete the item.

Item no.	Description	Unit	Quantity	Rate	Price
1	U2A CEP Motor A006901-01	EACH	1		
2	U1A PA Motor 30217171	EACH	1		
3	Ash 2 Motor B004099-08	EACH	1		
4	U5B Mill Motor A002338-08	EACH	1		
5	U6 RH FD Motor 4178E04-1	EACH	1		
6	U5A EFP Motor C005225-03	EACH	1		
7	U4B PA Motor A006921-05	EACH	1		
8	U4B PA Motor A006921-04	EACH	1		
9	U5B Mill Motor A002060-04	EACH	1		
10	U3B Mill Motor A002059-01	EACH	1		
11	AWR Recovery Motor 790211-03	EACH	1		

Total of the Prices for Part 1

C3: Scope of Work

C3.1 Service Information

Refurbishment and repair of the MV motors as per the detailed scope of work described below.

Arnot Power Station Motor Repairs

U2A CEP MOTOR

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	ACTOM	<i>Stator Volts</i>	3300 V
<i>Serial No.</i>	A006901-01	<i>Stator current</i>	158
<i>Kilo Watt</i>	750 kW	<i>Frame Size/Type</i>	1LA1454
<i>Location</i>	U2A CEP Motor	<i>Speed</i>	1484

ASSESSMENT JOB NO:	HV21-8249	ENQUIRY NO:	EMD20220107B
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			
LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE	YES	Replace gaskets	
AUXILIARY BOX	YES	Replace gaskets	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS			
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Polish	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT- CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE			
WINDING			
WEDGES			
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION			
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL	YES	Polish	
D/E SEAL LANDINGS	YES	Polish	
N.D/E BEARING JOURNAL	YES	Polish	
N.D/E SEAL LANDINGS	YES	Polish	
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN & COWL	YES	Overhaul and replace with new fan	
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE			
ROTOR BARS			
SHORT CIRCUIT RINGS			
WELDING/BRAZING			
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
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DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			
BEARING CAP			
SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D	YES	Resleeve to minimum size	
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	6224 MC3	
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	

FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D	YES	Resleeve bearing	
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
W/M BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	7224 B	
ADDITIONAL WORK INFORMATION			PRICE
<ul style="list-style-type: none"> Replace grease pipes and fittings 			
<ul style="list-style-type: none"> Fit new PT100 on DE and NDE bearing 			

GENERAL ADDITIONALS	PRICE
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ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

U1A PA MOTOR

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
Make	TOSHIBA	Stator Volts	3300 V
Serial No.	30217171	Stator current	89
Kilo Watt	425 kW	Frame Size/Type	JKD355/400
Location	U1A PA fan motor	Speed	1480

ASSESSMENT JOB NO:	HV21-8246	ENQUIRY NO:	EMD20220107A
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			
LEADS STAR POINT			

SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LID STAR SIDE			
TERMINAL BOX STAR POINT SIDE			
AUXILIARY BOX	YES	Replace gaskets	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS	YES	Replace gaskets	
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Skim base and Polish feet	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE			
WINDING			
WEDGES	YES	Re-epoxy wedges	
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION	YES	Polish fan size, microweld and machine coupling landing	
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL	YES	Polish	
D/E SEAL LANDINGS	YES	Microweld and machine to maximum size	
N.D/E BEARING JOURNAL	YES	Polish	
N.D/E SEAL LANDINGS	YES	Polish	
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN & COWL			
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE			
ROTOR BARS			
SHORT CIRCUIT RINGS			
WELDING/BRAZING			
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			
BEARING CAP			

SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D	YES	Resleeve bearing housing to minimum size	
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	6324 C3	
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D	YES	Polish	
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
W/M BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	6324 C3	
ADDITIONAL WORK INFORMATION			PRICE
<ul style="list-style-type: none"> Replace grease pipes and fittings 			
<ul style="list-style-type: none"> Fit new PT100 on DE and NDE bearing 			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

ASH PUMP 2 MOTOR

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	GEC	<i>Stator Volts</i>	3300 V
<i>Serial No.</i>	A004099-08	<i>Stator current</i>	133
<i>Kilo Watt</i>	625 kW	<i>Frame Size/Type</i>	UD 355/100
<i>Location</i>	Ash Pump 2 Motor	<i>Speed</i>	1484

ASSESSMENT JOB NO:	HV21-8286	ENQUIRY NO:	EMD20220128B
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			

LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE	YES	Replace gaskets	
AUXILIARY BOX	YES	Replace gaskets, replace box cover, replace desicator	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS	YES	Mandatory	
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Polish	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE			
WINDING	YES	Replace with new winding, 6x off PT100 to be installed and epoxy winding	
WEDGES	YES	Replace with new winding	
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION	YES	Polish	
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL	YES	Polish	
D/E SEAL LANDINGS			
N.D/E BEARING JOURNAL	YES	Polish	
N.D/E SEAL LANDINGS			
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN	YES	Overhaul	
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL	YES	Overhaul	
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE			
ROTOR BARS			
SHORT CIRCUIT RINGS			
WELDING/BRAZING			
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			
BEARING CAP			

SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Replace and test insulation	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	NU 324 C3	
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Replace and test insulation	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	6324 C3	
ADDITIONAL WORK INFORMATION			PRICE
<ul style="list-style-type: none"> Replace grease pipes and fittings 			
<ul style="list-style-type: none"> 			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

U5B MILL MOTOR A002338-03

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	ACTOM	<i>Stator Volts</i>	3300 V
<i>Serial No.</i>	A002338-03	<i>Stator current</i>	90
<i>Kilo Watt</i>	400 kW	<i>Frame Size/Type</i>	1LA1452-6
<i>Location</i>	U5 F Mill Motor	<i>Speed</i>	986

ASSESSMENT JOB NO:	HV21-8249	ENQUIRY NO:	EMD20220128C
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			

LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE			
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE			
AUXILIARY BOX	YES	Replace gaskets	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS			
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Polish	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE			
WINDING			
WEDGES			
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION			
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL	YES	Polish	
D/E SEAL LANDINGS	YES	Polish	
N.D/E BEARING JOURNAL	YES	Polish	
N.D/E SEAL LANDINGS	YES	Polish	
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN	YES	Replace with new fan	
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL	YES	Overhaul	
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE			
ROTOR BARS			
SHORT CIRCUIT RINGS			
WELDING/BRAZING			
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			
BEARING CAP			

SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Replace insulation	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	NU226 C3 & 6226 C3	
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Replace insulation	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	NU226 C3	
ADDITIONAL WORK INFORMATION			PRICE
<ul style="list-style-type: none"> Replace grease pipes and fittings 			
<ul style="list-style-type: none"> 			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

U6 LH FD MOTOR

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	Laurence Scott	<i>Stator Volts</i>	3300 V
<i>Serial No.</i>	4178E04-1	<i>Stator current</i>	255
<i>Kilo Watt</i>	1212 kW	<i>Frame Size/Type</i>	IK 7102
<i>Location</i>	U6 LH FD Motor	<i>Speed</i>	743

ASSESSMENT JOB NO:	WV21-8007	ENQUIRY NO:	EMD20220128D
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			

LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE	YES	Replace gaskets	
AUXILIARY BOX	YES	Replace desicator	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS	YES	Replace gaskets	
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Polish	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE	YES	Replace with new core	
WINDING	YES	Replace with new winding, VPI and install 6 off PT100 probes	
WEDGES	YES	Replace with new winding (check for magnetic wedges)	
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION			
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL	YES	Polish	
D/E SEAL LANDINGS	YES	Polish	
N.D/E BEARING JOURNAL	YES	Polish	
N.D/E SEAL LANDINGS	YES	Polish	
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL			
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE	YES	Replace with new rotor core	
ROTOR BARS	YES	Replace with new rotor core	
SHORT CIRCUIT RINGS	YES	Replace with new rotor core	
WELDING/BRAZING	YES	Replace with new rotor core	
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing, repair damaged part on top spigot	
FIXING BOLTS			
BEARING HOUSING BORE			
BEARING CAP			

SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS			
BEARING HOUSING O/D	YES	Overhaul housing	
BEARING HOUSING I/D			
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	YES	Re-metal bearing	
W/M SLEEVE BEARING OIL RING			
BEARING GREASE SLINGER			
BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Re-metal and machine Vacuum seal to size	
BEARINGS REPLACE			
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS			
BEARING HOUSING O/D	YES	Overhaul	
BEARING HOUSING I/D			
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE	YES	Re-metal bearing	
W/M SLEEVE BEARING OIL RING			
BEARING GREASE SLINGER			
W/M BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Re-metal and machine Vacuum seal to size	
BEARINGS REPLACE			
ADDITIONAL WORK INFORMATION			PRICE
•			
•			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

U5A EFP MOTOR

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	ACTOM	<i>Stator Volts</i>	11 000 V
<i>Serial No.</i>	C005225-03	<i>Stator current</i>	355
<i>Kilo Watt</i>	5800 kW	<i>Frame Size/Type</i>	UC710/225
<i>Location</i>	U5A EFP Motor	<i>Speed</i>	1493

ASSESSMENT JOB NO:	HV21-8309	ENQUIRY NO:	EMD20220215A
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			

LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets, replace terminal box front cover	
TERMINAL BOX LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE	YES	Replace gaskets	
AUXILIARY BOX	YES	Replace desicator and fit new RTD's aux box	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS	YES	Replace gaskets	
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Polish	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE	YES	Repair damaged condition	
WINDING			
WEDGES			
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION			
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL	YES	Polish	
D/E SEAL LANDINGS			
N.D/E BEARING JOURNAL	YES	Polish	
N.D/E SEAL LANDINGS			
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL			
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE			
ROTOR BARS			
SHORT CIRCUIT RINGS			
WELDING/BRAZING			
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			
BEARING CAP			

SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS			
BEARING HOUSING O/D	YES	Overhaul housing	
BEARING HOUSING I/D			
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	YES	Re-metal bearing	
W/M SLEEVE BEARING OIL RING			
BEARING GREASE SLINGER			
BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace vacuum seals	
BEARINGS REPLACE			
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS			
BEARING HOUSING O/D	YES	Overhaul	
BEARING HOUSING I/D			
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE	YES	Re-metal bearing	
W/M SLEEVE BEARING OIL RING			
BEARING GREASE SLINGER			
W/M BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace vacuum seals	
BEARINGS REPLACE			
ADDITIONAL WORK INFORMATION			PRICE
•			
•			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

U4B PA MOTOR A006921-05

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	Actom	<i>Q</i>	3300 V
<i>Serial No.</i>	A006921-05	<i>Stator current</i>	109
<i>Kilo Watt</i>	520kW	<i>Frame Size/Type</i>	1LA1404-4
<i>Location</i>	PA fan Motor	<i>Speed</i>	1485

ASSESSMENT JOB NO:	HV21-8320	ENQUIRY NO:	EMD20220215B
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			

LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE	YES	Replace gaskets	
AUXILIARY BOX	YES	Replace desicator and replace TRD's box	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS			
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Light Skim	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE			
WINDING	YES	Rewind, VPI winding and install 6x off PT100's	
WEDGES	YES	Replace with new winding	
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION			
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL	YES	Polish	
D/E SEAL LANDINGS	YES	Polish	
N.D/E BEARING JOURNAL	YES	Polish	
N.D/E SEAL LANDINGS	YES	Polish	
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL			
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE	YES	Replace with new core	
ROTOR BARS	YES	Replace rotor bars with new design. Rotor bar size: 10x40 Rotor Core slot size: 10.7 x 40.6 Radial air gap: 2mm Number of Rotor Windings: 38 Rotor bar material: Copper	
SHORT CIRCUIT RINGS	YES	Fit new	
WELDING/BRAZING	YES	Fit with new short circuit rings	
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			

BEARING CAP	YES	Polish inner and outer cap	
SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS			
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE			
W/M SLEEVE BEARING OIL RING			
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Re-insulated and test	
BEARING HOUSING FIXING BOLTS	YES	Replace with 8x new thrust springs	
SEALS	YES	Replace V seal	
BEARINGS REPLACE	YES	NU222 C3 & 6222 C3	
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS			
BEARING HOUSING O/D			
BEARING HOUSING I/D	YES	Resleeve bearing housing bore to minimum size	
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE			
W/M SLEEVE BEARING OIL RING			
BEARING GREASE SLINGER			
W/M BEARING INSULATION			
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace V seal	
BEARINGS REPLACE	YES	NU 222 C3	
ADDITIONAL WORK INFORMATION			PRICE
<ul style="list-style-type: none"> Fit new grease pipes 			
<ul style="list-style-type: none"> Fit new PT100 on DE & NDE 			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

U4B PA MOTOR A006921-05

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	Actom	<i>Q</i>	3300 V
<i>Serial No.</i>	A006921-04	<i>Stator current</i>	109
<i>Kilo Watt</i>	520kW	<i>Frame Size/Type</i>	1LA1404-4
<i>Location</i>	PA fan Motor	<i>Speed</i>	1485

ASSESSMENT JOB NO:	HV21-8322	ENQUIRY NO:	EMD20220215C
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			

LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE	YES	Replace gaskets	
AUXILIARY BOX	YES	Replace desicator, replace TRD's box, replace Heater box	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS			
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Light Skim	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS	YES	Fit new heater	

STATOR CORE & WINDING			
CORE			
WINDING	YES	Rewind, VPI winding and install 6x off PT100's	
WEDGES	YES	Replace with new winding	
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION			
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL			
D/E SEAL LANDINGS			
N.D/E BEARING JOURNAL			
N.D/E SEAL LANDINGS			
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL			
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE	YES	Replace with new core	
ROTOR BARS	YES	Replace rotor bars with new design. Rotor bar size: 10x40 Rotor Core slot size: 10.7 x 40.6 Radial air gap: 2mm Number of Rotor Windings: 38 Rotor bar material: Copper	
SHORT CIRCUIT RINGS	YES	Fit new	
WELDING/BRAZING	YES	Fit with new short circuit rings	
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			

BEARING CAP			
SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS			
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE			
W/M SLEEVE BEARING OIL RING			
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Re-insulated and test	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace V seal	
BEARINGS REPLACE	YES	NU222 C3 & 6222 C3	
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS			
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE			
W/M SLEEVE BEARING OIL RING			
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Re-insulate and test	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace V seal	
BEARINGS REPLACE	YES	NU 222 C3	
ADDITIONAL WORK INFORMATION			PRICE
<ul style="list-style-type: none"> Fit new grease pipes 			
<ul style="list-style-type: none"> Fit new PT100 on DE & NDE 			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

U5B MILL MOTOR A002060-04

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	ACTOM	<i>Stator Volts</i>	3300 V
<i>Serial No.</i>	A002060-04	<i>Stator current</i>	90
<i>Kilo Watt</i>	400 kW	<i>Frame Size/Type</i>	1LA1452-6
<i>Location</i>	U5B Mill Motor	<i>Speed</i>	986

ASSESSMENT JOB NO:	HV21-8340	ENQUIRY NO:	EMD20220303A
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			

LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE			
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE			
AUXILIARY BOX	YES	Replace gaskets	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS			
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Skim feet	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE			
WINDING			
WEDGES			
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION			
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL			
D/E SEAL LANDINGS	YES	Polish	
N.D/E BEARING JOURNAL			
N.D/E SEAL LANDINGS	YES	Polish	
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL	YES	Overhaul	
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE			
ROTOR BARS			
SHORT CIRCUIT RINGS			
WELDING/BRAZING			
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			
BEARING CAP			

SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Replace insulation	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	NU226 C3 & 6226 C3	
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER	YES	Polish	
BEARING INSULATION	YES	Replace insulation	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	NU226 C3	
ADDITIONAL WORK INFORMATION			PRICE
<ul style="list-style-type: none"> Replace grease pipes and fittings 			
<ul style="list-style-type: none"> 			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

U3B MILL MOTOR

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT :

OLT Number :

Ref. nr :

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	ACTOM	<i>Stator Volts</i>	3300 V
<i>Serial No.</i>	A002059-01	<i>Stator current</i>	90
<i>Kilo Watt</i>	400 kW	<i>Frame Size/Type</i>	1LA1452-6
<i>Location</i>	U3B Mill Motor	<i>Speed</i>	986

ASSESSMENT JOB NO:	HV21-8341	ENQUIRY NO:	EMD20220303B
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			

LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE			
TERMINAL CONNECTIONS STAR POINT SIDE			
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LINE SIDE			
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
TERMINAL BOX STAR POINT SIDE			
AUXILIARY BOX	YES	Replace gaskets	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS			
FASTING BRACKETS			
STATOR HOUSING			
FOOT MOUNTING	YES	Skim	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT-CONDENSATION HEATERS			

STATOR CORE & WINDING			
CORE			
WINDING			
WEDGES			
STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION	YES	MANUFACTURE NEW ROTOR SHAFT	
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL			
D/E SEAL LANDINGS			
N.D/E BEARING JOURNAL			
N.D/E SEAL LANDINGS			
D/E COOLING FAN			
N. D/E COOLING FAN			
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL			
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE			
ROTOR BARS			
SHORT CIRCUIT RINGS			
WELDING/BRAZING			
OVERHAUL ROTOR	YES	Mandatory	

DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING BORE			
BEARING CAP			

SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Replace insulation	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	NU226 C3 & 6226 C3	
BEARING CAP			

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS			
BEARING HOUSING SEAT			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			

W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			
BEARING HOUSING I/D			
BEARING HOUSING INNER & OUTER CAP			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION	YES	Replace insulation	
BEARING HOUSING FIXING BOLTS			
SEALS	YES	Replace seals	
BEARINGS REPLACE	YES	NU226 C3	
ADDITIONAL WORK INFORMATION			PRICE
<ul style="list-style-type: none"> Replace grease pipes and fittings 			
<ul style="list-style-type: none"> 			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

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LABOUR RATES	RATE
ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS
HOLD POINTS:
WITNESS OF TEST RUN REQUIRED YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE
MOTOR TERMINAL BOXES SHALL BE PAINTED RED
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>
<i>THIS CANNOT BE MARKED. THIS BIN MUST BE CLEARLY IDENTIFIABLE.</i>

Arnot Power Station Motor Repairs

AWR RECOVERY MOTOR 790211-03

TAKE NOTE MOTOR IS AT ACTON REPAIR WORKSHOP.
MOTOR MUST BE TENDERED ON AS NO REPAIR WAS DONE
ON THE MOTOR

FROM: (Company name)_____

TO: ARNOT POWER STATION

E-Mail to OLT : informaltendering@eskom.co.za
OLT Number :

Reference number : 1074197102

REPAIRS TO BE DONE ON THE FOLLOWING MOTOR AS DESCRIBED IN THE PRICE LIST AND
TENDERED FOR IN THE PRICE LIST

MACHINE DETAILS			
<i>Make</i>	Boyd Brown	<i>Stator Volts</i>	3300 V
<i>Serial No.</i>	790211-03	<i>Stator current</i>	83A
<i>Kilo Watt</i>	390	<i>Frame Size/Type</i>	
<i>Location</i>	AWR Recovery	<i>Speed</i>	1485

ASSESSMENT JOB NO:	HV 19-8096	ENQUIRY NO:	EMD23072019J
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TENDER CLOSING DATE & TIME	
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DELIVERY FROM RECEIPT OF ORDER:	WEEKS
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TOTAL TENDER VALUE THIS JOB NO:	
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PRICE LIST:

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
TERMINAL BOX AND TERMINALS			
LEADS LINE SIDE			
LEADS STAR POINT SIDE			
TERMINAL CONNECTIONS LINE SIDE	YES	Replace gaskets	
TERMINAL CONNECTIONS STAR POINT SIDE	YES	Replace gaskets and fit bar to connect correctly	
TERMINAL BOX LID LINE SIDE	YES	Replace gaskets	
TERMINAL BOX LID STAR SIDE	YES	Replace gaskets	
HEAT EXCHANGER			
TUBING			
HOUSING			
GASKETS AND SEALS	YES	Replace gaskets/seals	
FASTING BRACKETS	YES	Fit new bolts	
STATOR HOUSING			
FOOT MOUNTING	YES	Light Machine	
END SHIELD MOUNTING SPIGOTS DE	YES	Full concentricity checks to be done	
END SHIELD MOUNTING SPIGOTS NDE	YES	Full concentricity checks to be done	
WINDING ANT- CONDENSATION HEATERS			
STATOR HOUSING			

STATOR CORE & WINDING			
CORE	YES	Hot spot reading 110°C (line bore to break insulation) and core test after line bore.	
WINDING			
WEDGES			

STATOR ID			
ROTOR OD			
OVERHAUL STATOR	YES	Mandatory	

DESCRIPTION	REPAIR Y/N	WORK TO BE DONE	PRICE
ROTOR			
SHAFT EXTENTION	YES	Coupling landing microweld and machine to size	
SHAFT RUN OUT	YES	Max run out 0.03mm	
D/E BEARINGS JOURNAL			
D/E SEAL LANDINGS	YES	Microweld and machine to size	
N.D/E BEARING JOURNAL			
N.D/E SEAL LANDINGS			
D/E COOLING FAN			
N. D/E COUPLING LANDING	YES	Microweld and machine to size	
EXTERNAL COOLING FAN			
BALANCE ROTOR	YES	Balance at full speed	
FAN COWL	YES	Repair screen (weld)	
ROTOR CORE & WINDINGS – SQUIRREL CAGE MOTOR			
ROTOR CORE	Yes	Light machine to break insulation	
ROTOR BARS	Yes	Replace all rotor bars	
SHORT CIRCUIT RINGS	Yes	Replace	
WELDING/BRAZING	Yes	Replace	
DESCRIPTION	Repairs Y/N	WORK TO BE DONE	PRICE
DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS	Yes	Replace 8 off	
BEARING HOUSING BORE			
SUPPORT BRACKETS			
DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		

BEARING HOUSING O/D			
BEARING HOUSING I/D	YES	Manufacture new bearing housing and caps	
BEARING HOUSING FRONT/REAR COVER			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION			
BEARING HOUSING FIXING BOLTS	Yes	Replace 8 off	
SEALS			
BEARINGS REPLACE	YES	NU321 C3 (Roller)	

DESCRIPTION	Repair Y/N	WORK TO BE DONE	PRICE
NON DRIVE END SHIELD			
SPIGOT	YES	See stator housing	
FIXING BOLTS	Yes	Replace 8 off	
BEARING HOUSING BORE			
SUPPORT BRACKETS			
NON DRIVE END BEARING HOUSING			
W/M SITE GLASS & PORTS	N/A		
BEARING HOUSING O/D			

BEARING HOUSING I/D			
BEARING HOUSING FRONT COVER			
W/M SLEEVE BEARING BORE	N/A		
W/M SLEEVE BEARING OIL RING	N/A		
BEARING GREASE SLINGER			
BEARING INSULATION			
BEARING HOUSING FIXING BOLTS	Yes	Replace 8 off	
SEALS			
BEARINGS REPLACE	YES	6321 C3 (Ball)	
ADDITIONAL WORK INFORMATION			PRICE
1. Replace RTD's on DE & NDE side			
2. Replace grease pipes			

GENERAL ADDITIONALS	PRICE
ASSEMBLE, PAINT AND TEST RUN	
TRANSPORT TO ARNOT SITE	

LABOUR RATES	RATE
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ARTISAN	
ASSISTANT	

GENERAL REQUIREMENTS	
HOLD POINTS:	
1. Core test after line bore	
WITNESS OF TEST RUN REQUIRED	YES
MOTOR FAN COWLS SHALL BE PAINTED ORANGE	
MOTOR TERMINAL BOXES SHALL BE PAINTED RED	
MOTOR HOUSING SHALL BE PAINTED BATTLESHIP GREY	
FULL TEST, QC REPORTS AND WARRANTY TO BE SUBMITTED WITH DELIVERY	
DELIVERY NOTE AND INVOICE TO ACCOMPANY DELIVERY	
<i>WHEN LOADING MOTORS, BINS MUST BE PROVIDED TO CONTAIN SMALL SPARES</i>	
<i>THIS CANNOT BE MARKED. THESE BINS MUST BE CLEARLY IDENTIFIABLE.</i>	

Title	Date or revision	Tick if publicly available
<u>General Specifications:</u>		
Health and Safety requirements		

Environmental requirements		
Site regulations and access control		
Technical specifications:		
240-89217674 Refurbishment and Repair of Power Station Electric Motor Work Instrurtion	Rev 2	Upon request

3. Constraints on how the *Contractor* Provides the Service

State any constraints on the sequence and timing of work and on the methods and conduct of work including the requirements for any work by the *Employer*.
Also include any management related constraints, invoicing and payment procedures some of which have been inserted below as a minimum guide.

3.1 Meetings

Title and purpose	Approximate time & interval	Location	Attendance by:
Overall contract progress and feedback	Monthly on 2 nd week of each month at	Service manager's office	<i>Employer, Contractor</i>

3.2 Use of standard forms

The contractor must submit QCP's to the *Service Manager* once repair work is completed for acceptance and approval.

Test reports must be submitted to Service Manager after completion.

3.3 Invoicing and payment

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

In terms of core clause 50 the *Contractor* assesses the amount due and applies to the *Employer* for payment. The *Contractor* applies for payment with a tax invoice addressed to the *Employer* as follows:

The *Contractor* includes the following information on each tax invoice:

- Name and address of the *Contractor*
- The contract number and title;
- *Contractor's* VAT registration number;
- The *Employer's* VAT registration number 4740101508;
- The total of
 - The Price for each lump sum item in the Price List or Task Order which the *Contractor* has completed;
 - Where a quantity is stated for an item in the Price List or Task Order, an amount calculated by multiplying the quantity which the *Contractor* has completed by the rate,
- Other amounts to be paid to the *Contractor*;
- Less amounts to be paid by or retained from the *Contractor*;
- The change in the amount due since the previous payment being the invoiced amount - excluding VAT, the VAT and including VAT;
- (add other as required)

The *Contractor* attaches the detail assessment of all work done for each item in the Price List to each tax invoice showing

- the Price for each lump sum item in the Price List or Task Order which the *Contractor* has completed and
- where a quantity is stated for an item in the Price List or Task Order, an amount calculated by multiplying the quantity which the *Contractor* has completed by the rate.

3.4 Records of Defined Cost

N/A

3.5 Accelerated Shared Growth Initiative – South Africa (ASGI-SA)

N/A

3.6 BBBEE and preferencing scheme

N/A

3.7 Cataloguing requirements by the *Contractor*

N/A

4. Requirements for the plan

All equipment must be supplied in accordance with the specifications as stated in 1.2. If any clarity is required on specifications, the contractor should contact *Service Manager*.

5. Services and other things provided by the *Employer*

The contractor must submit QCP's to the *Service Manager* once repair work is completed for acceptance and approval.
Test reports must be submitted to Service Manager after completion.

6. Property affected by the service

N/A

Task Order

Task Order form for use when work within the *service* is instructed to be carried out within a stated period of time on a Task by Task basis

Task Order No. [●] service [●]

To: [•]..... (Contractor)

I propose to instruct you to carry out the following task:

Description [●]

Starting date [●]

Completion Date [●]

Delay damages per week [●]

Please submit your price and programme proposals below.

Signed: _____ Date _____

(for *Employer*)

Total of Prices for items of work on the Price List
(details attached)

R. _____

Total of Prices for items of work not on the Price List
(details attached).

R. _____

Total of the Prices for this Task Order R

The programme for the Task is [ref] (attached)

Signed: _____ Date _____

(for *Contractor*)

I accept the above price and programme and instruct you to carry out the Task

Signed: _____ Date: _____

(for *Employer*)