# **PART 3: SCOPE OF WORK**

Document reference	Title	No pages	of
	This cover page	17	
C3.1	Employer's Service Information		
C3.2	Contractor's Service Information		
	Total number of pages	17	

PART C3: SCOPE OF WORK 1 C3 TSC3 COVER PAGE



# **C3.1: EMPLOYER'S SERVICE INFORMATION**

# **Contents**

Part 3: Scope of Work	
C3.1: Employer's service Information	2-3
1. Description of the service	4
1.1. Executive overview	4
1.2. Employer's requirements for the service	4-5
1.3. Interpretation and terminology	5-6
2. Management strategy and start up.	7
2.1. The Contractor's plan for the service	7
2.2. Management meetings	7
2.3. Contractor's management, supervision and key people	7
2.4. Provision of bonds and guarantees	7
2.5. Documentation control	7
2.6. Invoicing and payment	7
2.7. Contract change management	8
2.8. Records of Defined Cost to be kept by the Contractor	8
2.9. Insurance provided by the Employer	8
2.10. Training workshops and technology transfer	8
2.11. Design and supply of Equipment	8
2.12. Things provided at the end of the service period for the Employer's use	8
2.12.1. Equipment	8
2.12.2. Information and other things	8
2.13. Management of work done by Task Order	8
3. Health and safety, the environment and quality assurance	8
3.1. Health and safety risk management	9-12
3.2. Environmental constraints and management	12
3.3. Quality assurance requirements	12
4. Procurement	14
4.1. People	14
4.1.1. Minimum requirements of people employed	14
4.1.2. BBBEE and preferencing scheme	14
4.1.3. Accelerated Shared Growth Initiative – South Africa (ASGI-SA)	14



4.2. Subcontracting	14
4.2.1. Preferred subcontractors	
4.2.2. Subcontract documentation, and assessment of subcontract tenders	14
4.2.3. Limitations on subcontracting	
4.2.4. Attendance on subcontractors	
4.3. Plant and Materials	14
4.3.1. Specifications	
4.3.2. Correction of defects	14
4.3.3. Contractor's procurement of Plant and Materials	14
4.3.4. Tests and inspections before delivery	
4.3.5. Plant & Materials provided "free issue" by the Employer	
4.3.6. Cataloguing requirements	
5. Working on the Affected Property	15
5.1. Employer's site entry and security control, permits, and site regulations	
5.2. People restrictions, hours of work, conduct and records	15
5.3. Health and safety facilities on the Affected Property	
5.4. Environmental controls, fauna & flora	15
5.5. Cooperating with and obtaining acceptance of Others	15
5.6. Records of Contractor's Equipment	16
5.7. Equipment provided by the Employer	16
5.8. Site services and facilities	16
5.8.1. Provided by the Employer	16
5.8.2. Provided by the Contractor	16
5.9. Control of noise, dust, water and waste	16
5.10. Hook ups to existing works	16
5.11. Tests and inspections	16
5.11.1. Description of tests and inspections	16
5.11.2. Materials facilities and samples for tests and inspections	16
5. List of drawings	17
6.1 Drawings issued by the Employer	17



### 1. Description of the service

### 1.1 Executive overview

The Maintenance of Secondary air Dampers, core air dampers and burner tilts @ Arnot power station on unit 1 to unit 6. The service defined in this document is for the supply of Technical and Non-technical labor to C&I Maintenance Department for carrying out maintenance activities as needed on the secondary air dampers, core air dampers, oil burner and burner tilts on unit1-6 boilers at Arnot Power Station.

Eskom reserves the right to interview and scrutinize any qualification and to subject the provided service to an appropriate test to prove such qualification.

Service activities will be under the direct auspices of the Supervisor requiring such service in a specific section of the Maintenance department.

# 1.2 Employer's requirements for the service

The Contractor is required to do the following services:

- ✓ Do inspections daily on the SA dampers, core air dampers, oil burners and burner tilts.
- ✓ Do repairs on faulty SA Dampers actuators, core air dampers, limits, cylinders actuators for the burner tilts, including overhauling and calibrating the dampers.
- ✓ Burner's\_scanner cleaning, pipework, cabling, solenoids, and all work related to burners
- ✓ Do fault-finding on burner tilts feedback units as well as positioners, replace and calibrate where necessary.
- ✓ Do fault-finding on malfunctioning SA Dampers actuators, I/P, and Regulators tubing and Signal cables (inner, outer), core air dampers as well as burner tilts.
- ✓ Perform fault-finding from Pneumatic regulators, I/Ps, Pipe-work, pulling of cables associated with SA Dampers and Burner Tilts (from EDS to JB & JB to the plant), all cables to be provided by Eskom. Remove S.A Dampers, Core Air Actuators, Burner Tilts to the work-shop, overhaul, calibrate and replace on the plant, drill mounting plates for SA damper mounting plates where necessary.
- ✓ Note Defects during Preventative Maintenance (PM) execution and submit them to the employer (Eskom).
- ✓ Perform loop check, complete calibration certificates as well as QCPs.
- ✓ Sign off paper work and also do calibration certificates for the work done
- The contractor issues a monthly report to the Service Manager as agreed between both parties. This report shall include all work done by the contractor to date, work in progress (including the status) and future work if an order is already in place during the preparation of the report and any other work that the Contractor is busy with.
- ✓ The contractor must ensure required task is done according to the task order submitted under the supervision of a Contract Supervisor or his/her delegate.
- ✓ The Contractor must supply all material and specialized equipment and tools required for the service as deemed necessary by the Supervisor in control of a specific task. (**Ref to Annexure A the list of tools**).
- ✓ Toolboxes and hand tools required for the necessary activities will be supplied by the supplier.
- ✓ Overalls, safety shoes, ear protection and hard hats will be supplied by the Contract.
- ✓ The contractor must ensure required task is done according to the task order submitted under the supervision of a Contract Supervisor or his/her delegate. The contract exclude any activities required to alter equipment of plant from its original designs, such activities will be referred to as deficiencies.

# **Calibration**

• Only the contractor is allowed to provide maintenance and calibration services to the equipment installed. The Contractor is to provide proof of authorisation when requested by the Employer through the Contract Supervisor.



ESKOM HOLDINGS SOC Ltd CONTRACT NUMBER

THE MAINTENANCE OF SECONDARY AIR DAMPERS, CORE AIRS DAMPERS AND BURNER TILTS ACTUATORS AR ARNOT POWER STATION FOR A PERIOD OF 3 YEARS

- The Contractor to provide a maintenance report on the condition of the Dampers, Oil burners and Burner tilts status before and after repairs. This should be sent digitally (in pdf format) to the Eskom Contract Supervisor.
- The Contract Supervisor shall be responsible for the distribution of these reports to the internal stakeholders in Eskom.

### Description of the service

The Contractor shall carry out full calibrations on the Dampers and Burner tilts when required. Calibration certificate must be submitted over to the Contract Supervisor. Providing a full service and maintenance on the on Dampers and Burner tilts in accordance with manufacturer's specifications and applicable standards, which will include but not limited to?

The Contractor will also be available for the following activities:

- Emergency breakdown maintenance as and when required after hours including weekends and public holidays.
- Call out duties during normal hours as well as for afterhours including weekends and public holidays.

# Requirements for the programme:

The Contractor must submit the qualifications of the competent people that will be carrying out the works information as stipulated in this contract, to the Employer, for acceptance, with all the relevant references as and when required.

The Contractor must submit the project implementation programme at the start of this contract. The program must include but is not limited to the following:

- A safe work procedure must be submitted at the commencement of the contract
- Safety file within the first week of the contract start date
- Names of the possible /potential candidates/employees assigned for Arnot Power Station
- List of all required consumables and spares which shall include all specifications/part numbers, supplier's name and all relevant information as deemed necessary to ease the procurement process. This list must be submitted to the Employer's Representative at the start of the contract
- No work shall commence without all employees having done safety induction and medical checks prescribed by the Employer. The Contractor must at all times comply with Employer's safety regulations.

# 1.3 Interpretation and terminology

If required include here definitions additional to those used in the conditions of contract which are required only for the purpose of making the Service Information easier to draft and read. Also list abbreviations used and provide a full interpretation of each one, for example:

The following abbreviations are used in this Service Information:

Abbreviation	Meaning given to the abbreviation	
ОЕМ	Original Equipment Manufacturer	
SA Dampers	Secondary Air Dampers	
PSR	Plant Safety Regulation	
SAP	System Administrative Program	
ВТ	Burner Tilts	
ОВ	Oil Burner	



ESKOM HOLDINGS SOC Ltd CONTRACT NUMBER \_\_\_\_\_ THE MAINTENANCE OF SECONDARY AIR DAMPERS, CORE AIRS DAMPERS AND BURNER TILTS ACTUATORS AR ARNOT POWER STATION FOR A PERIOD OF 3 YEARS

CA	Core Air
EDS	Engineering Diagnostic Equipment
CR	Control room



### 2. Management strategy and start up.

# 2.1 The Contractor's plan for the service

The Contractor supplies the Employer with their Contractor's plan. The Contractor must submit the Contractor's plan at the inception of this contract.

## 2.2 Management meetings

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk and Challenges Job Observation	Weekly on Thursday	Arnot PowerStation /C&I Maintenance	Employer and Contractor
Risk register and compensation events	Weekly on Thursday	Arnot PowerStation /C&I Maintenance	Employer and Contractor

Meetings of a specialist nature may be convened as specified elsewhere in this Service Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the service. Records of these meetings shall be submitted to the Service 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.

# 2.3 Contractor's management, supervision, and key people

**Technician, Artisans and Semiskilled** 

# 2.4 Provision of bonds and guarantees

Not applicable

## 2.5 Documentation control

The Eskom SAP system will be utilised for documentation control and record purposes.

### 2.6 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.

The Contractor shall address the tax invoice to Eskom Finance and include on each invoice the following information:

- Name and address of the Contractor and the Service Manager;
- The contract number and title;
- Contractor's VAT registration number;
- The Employer's VAT registration number 4740101508;
- Description of service provided for each item invoiced based on the Price List;
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT;
- (add other as required);
- Add procedures for invoice submission and payment (e. g. electronic payment instructions).



ESKOM HOLDINGS SOC Ltd

CONTRACT NUMBER

THE MAINTENANCE OF SECONDARY AIR DAMPERS, CORE AIRS DAMPERS AND BURNER TILTS ACTUATORS AR ARNOT POWER STATION FOR A PERIOD OF 3 YEARS

#### 2.7 Contract change management

An early warning shall be sent by both parties for the notification of any changes on the contract, using NEC TSC standard forms.

### 2.8 Records of Defined Cost to be kept by the Contractor

Not applicable

# 2.9 Insurance provided by the Employer

Not applicable

## 2.10 Training workshops and technology transfer

Perform the service. The Contractor shall be obliged to carry out the service for which the training was provided and Skill transfer.

# 2.11. Design and supply of Equipment

Not applicable for this Service Contract

# 2.12. Things provided at the end of the service period for the Employer's use

### 1.1. Equipment

2.12.1 Milli Amp sources

# 2.12.2. Information and other things

Not applicable for this Service Contract

## 2.13. Management of work done by Task Order

The Service Manager may at any time instruct the Contractor orally and followed up in writing, to carry out work which is of an emergency nature. Scope of work to be carried out must be clearly defined and in line with Eskom requirements....The Engineer may be required to approve such works before it can be executed. The Contractor shall issue a quote for the emergency work to the Service Manager for this work before the end of the next business day. The Service Manager will then create the order for the task and send the task order assessment.

Within 14 days of Task Completion, the Contractor shall submit to the Service Manager a detailed technical report for every completed Task Order. This report shall include all technical information and data produced for the Task Order and a technical evaluation on findings from the work done with recommendations for future action by the Parties and other information the Service Manager may require Health and safety, the environment and quality assurance



# 3. Health and safety risk management

#### 3.1 Health and safety risk management

The Contractor must submit safety plan. The Contractor must provide written safe work procedures and demonstrate compliance. The Employer is responsible for access permits cost.

Safety Induction must be attended by all Contractors' staff. PPE must be worn at all times. The Contractor must adhere to all Eskom safety regulations as well as Eskom lifesaving rules for safety.

Cost of Contractor's medical examination, safety induction are for the Contractor's account.

Contractor is responsible for supplying his staff with Personal Protective Equipment (PPE) which is SABS approved and equipment should be in accordance with the Occupational Health and Safety Act (OHSACT) and site specific requirements, including the use of this equipment's.

The Contractor must submit a safety plan which complies to safe working procedures and it must be approved by the Project Manager.

The Contractor will also be responsible for the safe keeping and repairs of the tools in the event of any loss or damage to the tools. This will include the safe handling of the tools and the areas that the Employer makes available to the Contractor.

The Contractor is responsible for reporting any incident that occurs to his employees when performing the works on site to the Employer before leaving site.

## 3.2 Safety notification Arnot Power Station GMR 2.1

The following serves as a compliance and notification instruction with reference to the OSHACT, Act 85 of 1993 and any amendments thereto; BCEA and LRA of South Africa.

All safety related incidents (Category A, B &C; Fire Incidents; Usage of Fire Extinguishers and Near misses) shall be immediately notified to the ARNOT Power Station Safety Risk Management Personnel.

All Category C incidents shall be immediately notified to the service Manager, either telephonically or in person.

All personnel are allowed to wear Safety Harnesses whilst walking through plant or whilst in a lift (passenger/goods) only if they are secured properly onto the person and no loose sections of the harness drags onto floors, gratings, etc. were it can get caught and restrict a person's movement.

During working on elevated positions all personnel, including scaffolders to use Safety Harness, which they shall attach onto Lifelines or secure as per the Contractors Fall Protection Plan, which each Contractor shall have written and available on site for perusal, as and when required.

All Safety Harnesses shall comply with:

SANS EN 362:1992; 363:1992; 362:1992; 365:1992, 364:1992 Codes of Practice.

In terms of Section 16.1 of the OSHACT, "Every chief executive officer shall as far as is reasonably practicable ensure that the duties of his Employer as contemplated in this Act, are properly discharged." Basically every employee, permanent/temporary/part-time/sub-contracted onto the ARNOT Site shall be treated as an "employee" in terms of the Act whilst under your "direct supervision and care".

All employees as stated in 5 above have a right to "free issue" safety equipment, which shall be supplied to them prior to commencement of work. The equipment shall comply with the relevant SABS standards and shall be in proper working condition, clean and undamaged whilst working on the ARNOT Site.

In terms of the BCEA and LRA all employees shall be afforded a fair minimum wage, including allowances for meals and transport, if not provided, which has been agreed and set by the relevant Bargaining Councils, which form part of the Acts.



All employees shall be granted 3 breaks during the course of a 12 hour shift (1x 15 minute break in the morning;  $1 \times 30$  minute lunch break midday; and  $1 \times 15$  minute break in the afternoon). Refreshments or meals shall be provided or be the responsibility of the Contractor (Employer). Employees cannot be allowed to work without having proper meals or refreshments.

All Contractor employees entering the ARNOT Power Station site shall be medically fit. A full medical examination shall have been carried out by a Registered Occupational Health Worker who shall issue a certificate confirming the medical fitness of the employee. The examination shall consist of an eye test, heart function, lung function, chest x-ray, blood pressure, hearing function, previous occupational injuries, epilepsy, allergies, asthma and verification of work in elevated/confined spaces. Basically a full evaluation (a Red Ticket) shall be done and only those that pass these examinations shall be allowed to work on ARNOT Power Station.

In terms of Section 8.2 & 18.3 of the OSHACT, Employers shall ensure that employees working at ARNOT Power Station are trained in the hazards associated with the tasks and the precautionary measures are taken in the interest of health and safety. The responsibility of shall include compliance and adherence to the Eskom Plant Safety Regulations, Permit to Work System and Emergency Care.

All Contractor s to ensure that the ARNOT Emergency Alarm is activated for serious injuries and the injured shall not be 'moved' by the Contractors staff unless in a condition which threatens the injured or other parties life. Movement of injured persons (employees) shall be done by a trained First Aider, who shall be at the site at all times during the work phase.

All Contractors shall send a Safety Officer/Representative to all Safety Meetings arranged by the Power Station.

Safety Officers shall be at site or as reasonably practical to ensure that all hazards risks are identified and corrective action is taken.

All Employers shall ensure that any employee disregarding a safety instruction is not allowed to be a risk to the Contractor, ARNOT Power Station or other parties whilst on this site. The appropriate disciplinary action shall be taken against these employees.

The Contractor shall have daily Toolbox talks, periodic site inspections, job observations, risk assessments, safety equipment checks and safety talks with all employees.

Safety Induction will be done by the Power Station on prior arrangements but is not the minimum requirement. Induction and hazards training shall be done by the Contractor.

In term of Section 37.2 of the OSHACT, you the Contractor will ensure compliance with all requirements of the OSHACT and any instruction/notification that enhances those requirements.

All Contractors to ensure that a Safety Manual is completed prior to working on site and the relevant appointees are fully conversant with their responsibilities are trained and competent in those requirements, training proof is available and appropriate re-training is done.

Contractors to ensure that all staff, whether permanent/non-permanent/supplied by Labour Broker are competent in their relevant disciplines that they are employed/contracted in and all proof of training, experience, etc. is available and is current. Appropriate re-training shall have been done.

Due to all staff being under the "direct supervision and control" of yourself, they shall and will be treated as an 'employee', as defined in the OSHACT, Act 85 of 1993.

# **Hard hats Specification**

In the case of contractor employees:

• For working at height and ground level, hard hats fitted with a three-point chin strap that meets the requirements of the SANS standard must be used



- In the case where hearing muffs are required to be worn and to ensure proper fit, a hard hat fitted with a single chin strap, made out of non-elastic material, will be required
- Hard hats must display the applicable emergency number or the applicable local emergency number. This must be clearly displayed on the back of every hard hat
- The use of zero-harm stickers and the display of the emergency number to be of the same type as above
- Contractors should place their own company logo and not an Eskom logo in the front of the hard hat.
- The colour coding for the hard hats shall be according to contractor's internal procedures.

In the case of any **visitor** entering an area where a hard hat is a requirement at any Eskom site,
He or she shall wear a hard hat fitted with at least a single chin strap, unless such a person needs to
Enter an area involving heights. This information must be communicated to visitors prior to them visiting a site. A proper **risk assessment** shall be conducted to establish the need for hard hats and to identify
The type of hat to be purchased e.g. hard hats for work at heights must have a short peak.

#### Minimum requirements for hard hats

- a) All hard hats used shall bear the SABS mark in accordance with SANS 1397:2003.
- b) The hard hat shall include a shell, a harness, and a chin strap.
- c) All hard hats shall have electrical insulation of at least 440 VAC (volts alternating current).
- d) The hard hat shall be made of durable quality material that has no sharp edges or material known To cause health effects and can withstand exposure to sun, rain, cold, dust, vibrations, and contact With skin, effects of sweat, and skin products as per SANS requirements.

#### **Medical Facilities**

Ambulance and first aid facilities are available at the Power Station.

#### **Safety and Accident Prevention**

The Contractor will be familiar with and comply with Arnot Power Station's safety policies and procedures. Furthermore, the Contractor will comply with the provisions of the Occupational Health and Safety Act and in particular, the provisions of the Construction Regulations.

The Employer follows an accident prevention policy that includes the investigation of all accidents involving personnel and property. This is done with the intention of introducing control measures to prevent a recurrence of the same incidents. The Contractor is expected to fully co-operate to achieve this objective. The Contractor will report any incident and accidents to Arnot Power Station within 24 hours.

NOTE! This report does not relieve the Contractor of his legal obligation to report certain incidents to the Department of Labour, or to keep records in terms of the Occupational Health and Safety Act, and Compensation for Occupational Injuries and Diseases Act.

### Compliance to 5 identified lifesaving rules:

# Rule1: Open, Isolate, Test, Earth, Bond, and/or Insulate before touch

(That is, any plant operating above 1 000 V)

No person may work on any electrical network unless:

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



 The authorised person (team leader) has certified and shown all team members that the apparatus is safe to work on.

# Rule 2: Hook up on heights

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

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

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

#### Rule 3: Buckle up

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

#### Rule 4: Be Sober

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

"Under the influence" means the use of alcohol, drugs, and/or a controlled substance to the extent that:

He individual's faculties are in any way impaired by the consumption or use of the substances; or

The individual is unable to perform in a safe, productive manner; or

The individual has a level of any such substance in his/her body that corresponds to or exceeds accepted medical/legal standards; or the individual has a level of alcohol in his/her body that is greater than 0.02% blood alcohol concentration.

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

### Rule 5: Ensure that you have a permit to work

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

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

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

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

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

### 3.2 Environmental constraints and management

Supplier to comply with environmental legislations and procedures set out on the TSC

# 3.3. Quality assurance requirements



ESKOM HOLDINGS SOC Ltd CONTRACT NUMBER \_\_\_\_\_ THE MAINTENANCE OF SECONDARY AIR DAMPERS, CORE AIRS DAMPERS AND BURNER TILTS ACTUATORS AR ARNOT POWER STATION FOR A PERIOD OF 3 YEARS

The supplier will be expected to comply with QM58 and ISO: 9001 and other Eskom Holdings SOC Limited's Standards and specifications



#### 4. Procurement

### 4.1 People

#### 4.1.1 Minimum requirements of people employed

The Contract's Manager shall ensure that only qualified people will be allowed to work on the plant. The Contract manager shall be entitled to verify the qualifications of the key people.

The contract shall make these documents available to the Employer's Contract Supervisor when requested to do so.

### 4.1.2 BBBEE and preference scheme

The Contractor must be BBBEE compliant

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

The Contractor complies with and fulfils the Contractor's obligations in respect of the Accelerated and Shared Growth Initiative - South Africa in accordance with and as provided for in the Contractor's ASGI-SA Compliance Schedule stated below

# [Insert the agreed ASGI-SA Compliance Schedule here]

The Contractor shall keep accurate records and provide the Service Manager with reports on the Contractor's actual delivery against the above stated ASGI-SA criteria. [Elaborate on access to and format of records and frequency of submission etc.]

The Contractor's failure to comply with his ASGI-SA obligations constitutes substantial failure on the part of the Contractor to comply with his obligations under this contract.

### 4.2 Subcontracting

### 4.2.2 Preferred subcontractors

Not applicable

#### 4.2.3 Limitations on subcontracting

Not applicable

### 4.2.4 Attendance on subcontractors

Not applicable

#### 4.3 Plant and Materials

## 4.3.1 Specifications

Not applicable

### 4.3.2 Correction of defects

All defects shall be corrected within a period of 24 hours.

#### 4.3.3 Contractor's procurement of Plant and Materials

Not applicable

### 4.3.4 Tests and inspections before delivery

Not applicable

# 4.3.5 Plant & Materials provided "free issue" by the Employer

Only Stock items associated with SA, Core Dampers, cables, oil burners and Burner tilts for repairs or replacement.

# 4.3.6 Cataloguing requirements by the Contractor

Not applicable



### 5. Working on the Affected Property

# 51.1 Employer's site entry and security control, permits, and site regulations

#### 51.2 People restrictions, hours of work, conduct and records

All Site access is controlled through the designated access gate.

The Contractor is informed of the access procedures through Site regulations and that such procedures may change depending on the prevailing security situation.

All vehicles must be driven with due consideration for personnel and property. A maximum speed limit of 40 kilometres per hour will be adhered to on the premises at all times.

The Employer follows an accident prevention policy that includes the investigation of all accidents involving personnel and property. This is done with the intention of introducing control measures to prevent a recurrence of the same incidents. The Contractor is expected to co-operate fully to achieve this objective. The service Manager must be informed within 24 hours of any injuries or damage to property or equipment.

This report does not relieve the Contractor of his legal obligation to report certain incidents to the Department of Labour, or to keep records in terms of the Occupational Health and Safety Act, and Compensation for Occupational Injuries and Diseases Act.

The Contractor will be required to work the same hours as the Employer's employees.

Monday to Thursday 07h00 to 16h15 with a necessary required lunch break. Fridays we work from 07h00 to 12h00. If these times change the Contractor will be required to adjust as well.

The Contractor keeps records of his people working on the Affected Property, including those of his Subcontractors. The Service Manager shall have access to them at any time. These records may be needed when assessing compensation events.

# 5.2 People restrictions, hours of work, conduct and records

The Contractor will be required to work the same hours as the Employers Employee. Monday to Thursday 07h00 to 16h15 with a necessary required lunch break Fridays we work from 07h00 to 12h00. If these times change the Contractor will be required to adjust as well.

# 5.3 Health and safety facilities on the Affected Property

Medical facilities are available on site for emergencies only.

The Contractor provides a First Aid service to his employees. In the case where these prove to be inadequate, as in the event of a serious injury, the Employer's Medical Centre and facilities will be available.

Outside the Employer's office hours, the Employer's First Aid Services will only be available for serious injuries and life threatening situations.

The Employer shall be entitled, however, to recover the costs incurred, in the use of the above Employer's facilities, from the Contractor.

# 5.4 Environmental controls, fauna & flora

The Contractor to comply with legislations and procedures set out on the TSC

### 5.5 Cooperating with and obtaining acceptance of others

Not applicable for this Service Contract

#### 5.6 Records of Contractor's Equipment

See attached Annexure A



### 5.7 Equipment provided by the Employer

Milli AMP Source

#### 5.8 Site services and facilities

### 5.8.1 Provided by the Employer

A site for the Contractor's yard is provided by the Employer. A written request, indicating the Contractor's
requirements in locality and area of storage, office and Workshop sites is submitted to the Service Manager as
soon as possible after the Contract Date

#### Potable water

Water supply is provided by the Employer.

#### Meals

Meals on site for *Contractor's* personnel are not available.

#### Sanitary Facilities

Sanitary facilities are provided by the Employer

#### General

The *Contractor* is to comply with all Site regulations and instructions. The onus is on the *Contractor* to ensure his familiarity with the Employer's Site regulations and inspections

#### Induction training to employees

No person will be issued with an access permit without proof that the person did attend the local Arnot Power Station induction course.

• A one-day access permit will be issued for persons attending the induction course. It is the *Contractor's* responsibility to arrange with the *Project Manager* one week in advance for a course booking.

# 5.8.2 Provided by the Contractor

Not applicable

# 5.9 Control of noise, dust, water, and waste

Not applicable

## 5.10 Hook ups to existing works

- Working at height is defined as any work performed above a stable work surface or where a person puts himself/herself in a position where he/she exposes himself/herself to a fall from or into.
- No person may work at height where there is a risk of falling unless:
- A pre-task risk assessment to identify all risks and hazards has been conducted prior to commencing any work at heights
- He / she is appropriately trained;
- He / she is appropriately secured during ascending and descending; and
- He / she are using an approved fall arrest system where applicable

# 5.11 Tests and inspections

# 5.11.1 Description of tests and inspections

Not applicable

# 5.11.2 Materials facilities and samples for tests and inspections

Not applicable



ESKOM HOLDINGS SOC Ltd CONTRACT NUMBER \_\_\_\_\_ THE MAINTENANCE OF SECONDARY AIR DAMPERS, CORE AIRS DAMPERS AND BURNER TILTS ACTUATORS AR ARNOT POWER STATION FOR A PERIOD OF 3 YEARS

# 6. List of drawings

# 6.1 Drawings issued by the Employer

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

Drawing number	Revision	Title

