

## PART 3: SCOPE OF WORK

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## C3.1: EMPLOYER'S SERVICE INFORMATION

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# 1 Description of the service

## 1.1 Executive overview

The Co-ordination and Controlling of Quality Control Activities (Assurance/ Inspection) and Performance of Physical Inspection in Outage Services at Arnot Power Station for a period of three years.

Scope Description

- Co-ordinate and control quality control activities
- Perform physical inspections on maintenance, projects and outage activities
- Provide Leadership on QC Issues
- Interaction with all departments at Arnot Power Station

### 1.1.2. Co-ordinate and control quality control activities

- Review and approve quality control plans taking into account high priority defects, production, targets, plant availability, unplanned maintenance, staff, contractors and spares availability etc.(please let there be a separation of powers in this area, some of these duties belong to maintenance planner, manager and production )a quality control inspector will review the documents and inspect the spares for correctness.)
- Approve “stop work” orders if quality and safety standards are compromised. (Safety officer must do their part)
- Review and approve identified quality deficiencies (with the support of system engineers and maintenance manager)
- Control the closeout of quality deficiencies by reviewing and approving initiatives, proposals or corrective actions for improvements (with the help of experts and system engineers)
- Prioritize activities for quality control verifications. (This is the call that needs to be done by the system Supervisors)
- Implement and control QC processes by reviewing all documentation and system information and validate information to maintain accurate data. (This is the system owner’s responsibilities, the QC only supports)
- Perform / check / control job observations.

### 1.1.3. Perform physical inspections on Outage activities

- Perform inspections and determine if standards are met. Identify and report non-compliances.
- Recommend possible changes to maintenance standards or practices. (The system engineer and Outage manager in line with the engineering strategy can do this the QC only supports and implements)
- Assess, monitor and report good and sub-standard work practices.
- Verify that documentation conform to requirements and standards by reviewing work packages, maintenance plans, procedures, and modification packages according to the relevant administrative controls, Identify and report non-conformances. (The system engineer does the bulk of this work, and the QC implements)

**1.2 Employer’s requirements for the service**

• THE CONTRACTOR MUST, DURING OUTAGES, BE ABLE TO PROVIDE A TEAM OF QUALITY INSPECTORS ON A 24 HRS BASIS TO COVER THE FOLLOWING AREA’S FOR QUALITY INSPECTIONS:

- BOILER PRESSURE PARTS.
- BOILER VALVES
- DRAUGHT GROUP (MECHANICAL WORKS)
- DRAUGHT GROUP (CONTROL & INSTRUMENTS WORKS)
- TURBINE CENTRE LINE (MECHANICAL WORKS)
- TURBINE CENTRE LINE (CONTROL & INSTRUMENTS WORKS)
- TURBINE AUXILIARY SYSTEMS (TURBINE OILS, LP BYPASS, STATOR WATER, H2, ETC)
- CONDENSATE SYSTEM (MECHANICAL WORKS)
- CONDENSATE SYSTEM (VALVES)
- CONDENSATE SYSTEM (CONTROL & INSTRUMENTS WORKS)
- ELECTRICAL (BOARD MAINTENANCE)
- ELECTRICAL (TRANSFORMER MAINTENANCE)
- ELECTRICAL (MOTOR MAINTENANCE)
- ELECTRICAL (PROTECTION MAINTENANCE)
- SPECIAL INSPECTIONS (X-RAYS, SAFETY VALVES, WELDING, PRESSURE TESTING, ETC)

- The Contractor must during these times (Outages) still be able to provide sustainable service to all other works as per general agreement in respect to the remaining running plants.
- Quality Control department must be well represented during outages in ALL outage meetings,
- Quality department to ensure that all required documentation packages (Procedures, QCP’s) are compiled and approved by Quality department prior to all outages. This must cover all SOW submitted for the specific outage.
- Quality department to obtain all inspection request forms daily from their respective FPG’s and ensure that following day activities are planned accordingly.
- All work packages to be completely signed off, for each activity scheduled, and records must be stored safely as per Arnot requirements.

Stand – by:

- STAND-BY FUNCTIONS MUST BE PROVIDED IN ALL MAINTENANCE DISCIPLINES FOR SPECIAL REQUIREMENTS THAT MAY TAKE PLACE OUTSIDE NORMAL WORKING HOURS.
- STAND-BY SHOULD COVER ALL OF THE 7 WEEKDAYS INCLUDING PUBLIC HOLIDAYS.
- ALL PERSONNEL TO BE AVAILABLE AT ALL TIMES DURING THEIR RESPECTIVE STAND-BY CYCLES.

**CV’s are to be submitted to the Employer’s Agent for all recommended key persons.**

**Key persons are to be approved by the Employer, and no changes to key persons may be permitted without the approval of the Employer.**

Contract Prerequisites

1. The minimum Qualifications for the Quality Inspectors (Technicians) is a National Diploma in any of the required Engineering Disciplines or Trade Test plus Quality Control Certificate or Quality Management Diploma and SAWI for welders  
 Heavy Industrial Experience of which Advantage should be at a Fossil Power Station
  
2. The minimum requirement as per the attached job profiles will apply

#	Quality	Roles and Responsibilities	Requirements
1	<b>ELECTRICAL QUALITY</b>	➤ Generator inspections and	➤ National Diploma

	<p><b>INSPECTOR (ALL PLANT AREAS)</b></p>	<ul style="list-style-type: none"> <li>tests</li> <li>➤ HV and LV transformers inspections and tests</li> <li>➤ HV and LV motors inspections and tests</li> <li>➤ HV and LV electric cables inspections and tests</li> <li>➤ Generator Circuit Breakers inspections and tests</li> <li>➤ Protection Tests</li> <li>➤ Switchgear inspections and tests</li> <li>➤ Boards Maintenance</li> <li>➤ Isolated Phase Bus bars and Bus Ducts inspections</li> <li>➤ Lighting and small power Installations inspections and tests</li> <li>➤ Hydrogen plant systems inspections and tests</li> <li>➤ Electrostatic Precipitator plant inspections and tests</li> <li>➤ Conduct root cause failure analysis and subsequent post mortem</li> <li>➤ Oversee the refurbishment of all electrical plant equipment</li> <li>➤ Audits</li> </ul>	<p>Electrical or Trade test plus Quality Control Management Diploma or Quality Control Certificate</p> <ul style="list-style-type: none"> <li>➤ Heavy Industrial Experience of which Advantage should be at a Power Station</li> <li>➤ Knowledge of electrical statutory compliances, regulations and standards i.e. (SANS, EN, BS, IEC, NEMA etc.)</li> <li>➤ Commissioning/Decommissioning experience</li> <li>➤ Knowledge of NCR processes</li> <li>➤ Electrical QC Inspector Experience.</li> </ul>
2	<p><b>TURBINE QUALITY INSPECTOR TWO OFF</b></p>	<ul style="list-style-type: none"> <li>➤ Lube oil System</li> <li>➤ Pumps</li> <li>➤ Valves</li> <li>➤ Turbine</li> <li>➤ Generator</li> <li>➤ BFPT</li> <li>➤ EFP</li> <li>➤ Audits</li> <li>➤ Scope reviews</li> <li>➤ Incident investigations</li> <li>➤ Challenge schedules</li> <li>➤ QCP review and approval</li> </ul>	<ul style="list-style-type: none"> <li>➤ National Diploma Mechanical Engineering or Trade test in Fitting and machining plus Quality Management Diploma or Quality Control Certificate</li> <li>➤ Commissioning/Decommissioning experience</li> <li>➤ Knowledge of NCR processes</li> <li>➤ Heavy Industrial Experience of which Advantage should be at a Power Station</li> </ul>
3	<p><b>MECHANICAL QUALITY INSPECTOR ONE OF:</b></p>	<ul style="list-style-type: none"> <li>➤ Air Heaters</li> <li>➤ FD and ID fans</li> <li>➤ Mills</li> <li>➤ Crushers</li> <li>➤ Pumps</li> <li>➤ Valves</li> <li>➤ Precipitators</li> <li>➤ Audits</li> <li>➤ Stores receiving inspections</li> <li>➤ Conveyors</li> </ul>	<ul style="list-style-type: none"> <li>➤ National Diploma Mechanical Engineering or Trade test in Fitting and machining plus Quality Management Diploma or Quality Control Certificate</li> <li>➤ Commissioning/Decommissioning experience</li> <li>➤ Knowledge of NCR</li> </ul>

			<ul style="list-style-type: none"> <li>➤ processes</li> <li>➤ Heavy Industrial Experience of which Advantage should be at a Power Station</li> <li>➤</li> </ul>
4	<b>WELDING QUALITY INSPECTOR (X 2)</b>	<ul style="list-style-type: none"> <li>➤ All plant welding</li> <li>➤ Fuel oil Burners</li> <li>➤ Boiler Pressure Parts</li> <li>➤ Wall Blowers</li> <li>➤ Air Heaters</li> <li>➤ Steam Drums</li> <li>➤ Headers</li> <li>➤ Super heaters</li> <li>➤ Mills</li> <li>➤ Re – heaters</li> <li>➤ Valves</li> <li>➤ Economiser</li> <li>➤ HP Pipe work</li> <li>➤ Soot blower</li> <li>➤ Polishing Plant</li> <li>➤ Boiler Feed Pumps</li> <li>➤ Draught plant</li> <li>➤ Audits</li> <li>➤ Stores Inspection</li> </ul>	<ul style="list-style-type: none"> <li>➤ Welding and Fabrication Inspectors SAQCC level 2 plus 3 years' experience</li> <li>➤ Knowledge of NDT Approval of QCP's, Verification of Materials.</li> <li>➤ SAIW Certification (Plate welder, Fillet welder, Tube welder).</li> <li>➤ Trade Test welding certificate is an added advantage</li> <li>➤ Commissioning/Deco mmissioning experience</li> </ul>
5	<b>AUXILIARY QUALITY INSPECTOR ONE OF:</b>	<ul style="list-style-type: none"> <li>➤ Condenser and all its auxiliaries including re-tubing</li> <li>➤ Tapproge system</li> <li>➤ Condensate extraction pumps</li> <li>➤ Gland steam condenser</li> <li>➤ MOT coolers</li> <li>➤ Heat exchangers</li> <li>➤ CPP tanks</li> <li>➤ Air ejector pumps</li> <li>➤ Valves on CPPs and air ejectors.</li> <li>➤ LP &amp; HP Heater pressure testing</li> <li>➤ LP &amp; HP safety valves pressure testing</li> <li>➤ LP &amp; HP heater valves</li> <li>➤ feed water valves</li> <li>➤ Air Receiver &amp; safety valves pressure testing</li> <li>➤ Compressors</li> <li>➤ De- aerator Tank pressure test &amp; valves</li> <li>➤ Feed water tank valves</li> <li>➤ Station pressure vessel valves</li> <li>➤ statutory inspections on all safety valves</li> <li>➤ H2 Plant coolers</li> <li>➤ stator coolers</li> <li>➤ Stator pumps</li> <li>➤ BFPT Condenser</li> <li>➤ BFPT coolers</li> <li>➤ BFPT Gland steam condenser</li> </ul>	<ul style="list-style-type: none"> <li>➤ National Diploma Mechanical Engineering or Trade test in Fitting and machining</li> <li>➤ plus Quality Management Diploma or Quality Control Certificate</li> <li>➤ Commissioning/Deco mmissioning experience</li> <li>➤ Knowledge of NCR processes</li> <li>➤ Heavy Industrial Experience of which Advantage should be at a Power Station</li> <li>➤</li> </ul>

		<ul style="list-style-type: none"> <li>➤ Coal Plant</li> <li>➤ Conveyor Belt</li> <li>➤ Re - heaters spray water valves</li> <li>➤ Chemical Services all mechanical equipment (pumps, valves and pipes)</li> <li>➤ Lime plant</li> <li>➤ CW System</li> <li>➤ Cooling towers</li> <li>➤ Main CW pumps</li> <li>➤ CW Booster pumps</li> <li>➤ Compressors</li> </ul>	
6	<b>C &amp; I QUALITY INSPECTOR: ALL PLANT AREAS ONE OF</b>	<ul style="list-style-type: none"> <li>➤ Calibrations &amp; calibration standards</li> <li>➤ Instrumentations</li> <li>➤ Boiler, Turbine &amp; outside plant protection</li> <li>➤ Boiler, Turbine &amp; Outside plant controllers</li> <li>➤ Plant actuators and control valves stroking</li> <li>➤ C&amp;I Plant projects and refurbishments</li> <li>➤ DCS (melody, P14 &amp; P13 System )</li> <li>➤ Cold and hot commissioning</li> <li>➤ Inspection of spares and materials before entry to stores</li> <li>➤ Creation, review &amp; approval of QCP/ITPs</li> <li>➤ Review of procedures and maintenance plans</li> <li>➤ Incident investigations and root cause analysis</li> <li>➤ Audit</li> </ul>	<ul style="list-style-type: none"> <li>➤ National Diploma Control &amp; Instrumentation or Trade test plus Quality Control Management Diploma or Quality Control Certificate</li> <li>➤ Heavy Industrial Experience of which Advantage should be at a Power Station</li> <li>➤ Commissioning/Deco mmissioning experience</li> <li>➤ Knowledge of NCR processes</li> <li>➤ C&amp; IQC Inspector Experience</li> </ul>
7	<b>Contract Administrator</b>	<ul style="list-style-type: none"> <li>➤ Handling internal and Extenal communication</li> <li>➤ Ensure progress meetings are timely held and minutes recorded accordingly</li> <li>➤ Ensure QCPs and NC copies are filed</li> <li>➤ Co-ordinates and maintain record for staff ( working time and overtime)</li> </ul>	<ul style="list-style-type: none"> <li>➤ SAP system Knowledge</li> <li>➤ Power plant experience operations</li> <li>➤ Computer literacy ( Micro soft word and Excel)</li> </ul>

8	<b>Site Supervisor</b>	<ul style="list-style-type: none"><li>➤ Boiler, Turbine &amp; Outside plant controllers</li><li>➤</li></ul>	<ul style="list-style-type: none"><li>➤ Heavy Industrial Experience of which Advantage should be at Power Station</li><li>➤ National Diploma or Trade Test in Engineering Discipline</li><li>➤</li></ul>
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### 1.3 Interpretation and terminology

The following abbreviations are used in this Service Information:

<b>Abbreviation</b>	<b>Meaning given to the abbreviation</b>
OBL	Outside battery limits
QCP	Quality Control Plan
NC	Non Conformance
C & I	Control and Instrumentation
SAIW	South African Institution Of Welding

## 2 Management strategy and start up.

### 2.1 The Contractor's plan for the service

In the TSC3 the *Contractor's* plan is his "design" for performing the *service* throughout the *service period*. Section 2 of the *conditions of contract* describes what the *Contractor* is to show in his plan both in the core clauses and some additional requirements in each of the main Options.

The extent of the *Contractor's* plan will depend on whether the *Contractor* is required to develop a plan in accordance with the *Employer's* broad outline of the *service* or whether the *Employer* has provided a plan for the *Contractor* to follow. Read the TSC3 Guidance Notes pages 21 and 22 for more information on the *Contractor's* plan.

Use this section to describe any particulars which must be taken into account by the *Contractor* in developing his plan as required by clause 21.2. For example information about the order and timing or method of carrying out particular items of work.

List technical reporting and scheduling requirements which are to be incorporated into the *Contractor's* plan.

### 2.2 Management meetings

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Quality Meetings	Every Tuesday during Outage	Arnot Power Station	Contractor's Rep/ QC
Overall contract progress and feedback	Monthly on 3rd Wednesday _____ at 14H30_____	Arnot Power Station	<i>Employer, Contractor</i> and _____
Outage Meeting	As and When required	Arnot Power Station	Contractor's Rep
Safety Meeting	Weekly ,Thursdays 7h15	Arnot Power Station	All contractor's employee

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

N/A

### 2.4 Provision of bonds and guarantees

N/A

## 2.5 Documentation control

- All the documentation will be filled safely in the hard copies and soft copies Communication
- QCP
- NCs

## 2.6 Invoicing and payment

The Z clauses make reference to invoicing procedures stated here in this Service Information. Also include a list of information which is to be shown on an invoice.

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

\_\_\_\_\_ 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)

All invoices should be send to [Invoiceseskomlocal@eskom.co.za](mailto:Invoiceseskomlocal@eskom.co.za) not to Service Manager)

## 2.7 Contract change management

N/A

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

N/A

## 2.9 Insurance provided by the *Employer*

N/A

## 2.10 Training workshops and technology transfer

N/A

## 2.11 Design and supply of Equipment

N/A

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

### **2.12.1 Equipment**

Laptops.

### **2.12.2 Information and other things**

N/A.

## **2.13 Management of work done by Task Order**

Only use this heading if Option X19 applies to this contract.

The Task orders will be issued only during the external quality inspection

### 3 Health and safety, the environment and quality assurance

#### 3.1 Health and safety risk management

In addition to the requirements of the laws governing health and safety, Eskom may have some additional requirements particular to the *service* and the Affected Property for this contract. The text below provides for these being attached as an Annexure to this Service Information. PLEASE ALSO READ CORE CLAUSE 27.4 TOGETHER WITH Z7 IN THE ADDITIONAL CONDITIONS OF CONTRACT TO MAKE SURE THAT WHATSOEVER IS INCLUDED IN THE ANNEXURE FOLLOWS ON FROM THOSE CLAUSES.

The Divisional/Regional Safety Risk Manager or his representative having jurisdiction over the *service* must provide the relevant safety, health and environmental (SHE) criteria for incorporation into this Service Information. The SHE specification / scope must be signed off by the Divisional/Regional Safety Risk Manager or his representative confirming that the applicable safety criteria have been taken into account.

The Commodity Manager / Buyer must refer the tender to the Divisional/Regional Safety Risk Manager or his representative in order to evaluate against enquiry-specific safety criteria.

The Divisional Safety Risk Managers who will be responsible for the allocation of resources to assist P&SCM with the above processes are as follows:

- Generation: Roley McIntyre
- Transmission: Tony Patterson
- Distribution: Alex Stramrood
- Enterprises: Jace Naidoo
- Corporate: Kerseri Pather

The *Contractor* shall comply with the health and safety requirements contained in Annexure \_\_\_\_\_ to this Service Information.

#### 3.2 Environmental constraints and management

N/A

The *Contractor* shall comply with the environmental criteria and constraints stated in Annexure \_\_\_\_\_

#### 3.3 Quality assurance requirements

Specify minimum requirements for the *Contractor's* Quality Plan and Work Procedures or provide the *Employer's* Quality Plan if that is to be used. Make sure witness and hold points are identified generally and describe any particular requirements for QA outside the Affected Property. Indicate how the *Contractor's* QA documentation is to be submitted for acceptance and any conditions that need to be imposed relating to acceptance. State whether ISO compliance is a condition and if so which ISO standard shall apply.

## 4 Procurement

There is a cross reference from the core clause 11.2(6) definition of Disallowed Cost to the Service Information regarding procurement procedures. This part of the Service Information MUST include any such procedures to be able to administer Disallowed Cost.

### 4.1 People

#### 4.1.1 Minimum requirements of people employed

Specify any constraints relating to people employed to Provide the Service; for example permits for foreigners, training (other than H & S), use of labour from designated areas and industrial relations.

#### 4.1.2 BBBEE and preferencing scheme

Specify constraints which *Contractor* must comply with after contract award in regard to any Broad Based Black Economic Empowerment (B-BBEE) or preferencing scheme measures.

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

If the ASGI-SA requirements are to be included in this contract specify constraints which *Contractor* must comply with after contract award in regard to any ASGI-SA requirements. The ASGI-SA Compliance Schedule completed in the returnable tender schedules is reproduced here. If ASGI-SA does not apply, delete this paragraph.

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

#### 4.2.1 Preferred subcontractors

TSC3 does not make use of nominated subcontracting, but the *Employer* may list which subcontractors or suppliers the *Contractor* is required to enter into subcontracts with. This is usually only required where specialist services need to be obtained from a particular supplier or group of suppliers in order to comply with operational standards.

#### 4.2.2 Subcontract documentation, and assessment of subcontract tenders

Specify any constraints on how the *Contractor* is to prepare subcontract documentation, whether use of the NEC system is compulsory or not (compulsory is recommended) and how subcontract tenders are to be issued, received, assessed (using a joint report?) and awarded.

#### 4.2.3 Limitations on subcontracting

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

#### 4.2.4 Attendance on subcontractors

State requirements for attendance on Subcontractors, if any

### 4.3 Plant and Materials

#### 4.3.1 Specifications

Plant and Materials are defined as items intended to be included in the Affected Property. This will refer to replacement of worn or defective parts, routine replacement as part of regular preventative maintenance and supply of spare parts. Quality is usually designed in or specified in the technical specifications. However to cover circumstances where quality may not be prescribed, this sub-paragraph could also be used to state an overarching default requirement – fitness for purpose etc.

Either specify here or provide a list of the applicable specifications and attach them as Annexure or state where they can be obtained from.

#### 4.3.2 Correction of defects

State any constraints when dealing with defective Plant and Materials such as how repairs are carried out - can the item be fixed up or must it be replaced by a new one.

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

Specify any constraints on how the *Contractor* is to order, codify, expedite, freight, import, transport to the Affected Property and any other requirements for delivery and storage before installation. The *Employer* may require warranties from suppliers to be in favour of the *Employer* and not just to the *Contractor*. The *Employer* may also need schedules of vendor data for his own use after the end of the *service period*.

#### 4.3.4 Tests and inspections before delivery

Core Clause 41.1 makes reference to the Service Information stating which Plant and Materials are to be inspected and tested before delivery. Specify any requirements particularly if such tests and inspections are to be carried out by agents of the *Employer* overseas.

**4.3.5 Plant & Materials provided “free issue” by the *Employer***

List any Plant and Materials which are to be provided by the *Employer*.

State arrangements for collection by *Contractor* or delivery by others on behalf of the *Employer*, off loading, inspection, storage, care custody and control, return of unused Plant and Materials, etc. Always include a statement to the effect that ‘all other Plant and Materials are to be provided by the *Contractor*’.

**4.3.6 Cataloguing requirements by the *Contractor***

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

## 5 Working on the Affected Property

Arnot Power Station Rietkuil

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

Sites such as Koeberg Nuclear Power Station have very strict entrance requirements, which tendering contractors need to allow for in their prices, and the *Contractor* has to comply with. State these or similar requirements here.

In addition to the above there may be other restrictions once on the site, plus rules relating to roads, walkways and the provision of barricades

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

Restrictions and hours of work may apply on some sites. It is very important that the *Contractor* keeps records of his people working on the Affected Property, including those of his Subcontractors. State that the *Service Manager* shall have access to them at any time. These records may be needed when assessing compensation events.

### 5.3 Health and safety facilities on the Affected Property

Section 3 deals with contractual H & S requirements in addition to those of the OHSA Act. This section allows the *Employer* to state what measures are to be taken on the Affected Property by describing where First Aid facilities provided by the *Employer* are located and any other emergency arrangements. Do not use if already addressed in 2.3.

### 5.4 Environmental controls, fauna & flora

This sub-paragraph may not be required in a service contract or if these matters are dealt with in the general environmental requirements referred to in section 3 above.

### 5.5 Cooperating with and obtaining acceptance of Others

This sub-paragraph could be used to deal with two issues.

1) The cross reference from core clause 25.1 about cooperation generally as well as details about Others with whom the *Contractor* may be required to share the Affected Property. See clause 11.2(9) for the definition of Others.

2) Requirements for liaison with and acceptance from statutory authorities or inspection agencies.

### 5.6 Records of *Contractor's* Equipment

This sub-paragraph is intended to address how records are to be kept of Equipment on Site including whether it is owned or hired. Include any constraints about scaffolding, rigs, heavy lifts and cranes, including removal from the Affected Property.

## 5.7 Equipment provided by the *Employer*

Provide details of equipment (e.g. overhead cranes) made available for use by the employer and set out conditions relating thereto.

## 5.8 Site services and facilities

### 5.8.1 Provided by the *Employer*

This is a mandatory cross reference from clause 25.2 in TSC3. State what the *Employer* will provide in the way of power, water, waste disposal, telecomms, ablutions, fire protection and lighting (etc) on the Affected Property. Give hook up locations and any constraints on how the hook up is to be done. Always conclude by stating that the *Contractor* shall provide everything else necessary for Providing the Service.

### 5.8.2 Provided by the *Contractor*

Describe what the *Contractor* is to provide in the way of accommodation, laboratories, storage, vehicles and office equipment for the *Service Manager* and any restrictions or minimum requirements concerning the *Contractor's* own facilities. Also state what happens to these facilities upon completion of the contract.

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

State requirements, if any.

## 5.10 Hook ups to existing works

State any constraints

## 5.11 Tests and inspections

### 5.11.1 Description of tests and inspections

Describe the tests and inspections to be carried out by the *Contractor* and the *Service Manager* and others [40.1].

### 5.11.2 Materials facilities and samples for tests and inspections

State what materials facilities and samples for tests and inspections the *Contractor* and the *Employer* are to provide, per core clause 40.2.

