

PART 3: SCOPE OF WORK

Document reference	Title	No of pages
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C3.2	<i>Contractor's Service Information</i>	
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3.1 SCOPE OF WORK

Provision of service, maintenance and repairs as well as supply of spares and consumables, for Xylem/SI Analytics coulometers to all Petroleum and Flow Sciences (P&FS) laboratories ON as and when required BASIS for the period of three (3) years.

3.1.1 Provide service and maintenance on SI Analytics coulometers for all P&FS Laboratories annually, see list of instruments on table 1 below. Maintenance on these instruments will be done as and when require.

Table 1 List of Instruments

Serial Numbers	Description	Frequency in 3 years
10048116	7500 KF Titroline coulometer – Seshego Oil Laboratory	3
10048118	7500 KF Titroline coulometer – Witbank Oil Laboratory	3
10048119	7500 KF Titroline coulometer – Klerksdorp Oil Laboratory	3
10048117	7500 KF Titroline coulometer – Rosherville Oil Laboratory	3

10048259	7500 KF M3 Titroline coulometer – Brackenfell Oil Laboratory	3
10048115	7500 KF Titroline coulometer – Port Elizabeth Oil Laboratory	3

3.1.2 Requirements:

- a. Supplier to provide a report after each service/repairs done in each laboratory.
- b. Service/repair agent must respond to the request within 48hrs of purchase order being issued.
- c. Calibration certificate must contain minimum information as follows:
 - ✓ Name of the requester,
 - ✓ unique number for the certificate,
 - ✓ address of requester and supplier,
 - ✓ supplier company name,
 - ✓ accreditation number (if accredited),
 - ✓ Serial number of instruments being calibrated,
 - ✓ Summary of status,
 - ✓ Results,
 - ✓ Uncertainty of measurements,
 - ✓ Environmental conditions at the time of calibration,
 - ✓ Date calibrated,
 - ✓ Name and signature of the technician calibrated the instrument
- d. Supplier to provide proof that the instrument used to calibrate SI Analytical equipment is calibrated and calibration is traceable to NIST.
- e. If the supplier is not accredited according to ISO 17025 or any other equivalent standard, the following documents as per SANAS TR 25 section 3.3 in house calibration must be provided:
 - ✓ A documented and validated calibrated procedure or method;
 - ✓ A calibration certificate or report, or some other suitable method of recording the calibration and measurement data;
 - ✓ Appropriate educational and training records to demonstrate the competence of the personnel performing the calibration;
 - ✓ Copies of certificates and reports to demonstrate traceability to the SI system of units or RMs;

- ✓ All reference standards and measuring instruments shall be calibrated at appropriate intervals, the facility shall have and apply a documented procedure for establishing these calibration intervals;
- ✓ A documented procedure for the estimation of the measurement uncertainty, which shall be applied for at least each type of calibration. The uncertainty of measurement shall be taken into account when making a statement of compliance.
- ✓ Records to demonstrate the assurance of the calibration results i.e. participation in Inter-Laboratory Comparisons or Proficiency Testing;
- ✓ Documented requirements for environmental conditions, and records where applicable; and
- ✓ Evidence of internal audits of all activities that could influence the quality of calibration results.

3.1.3 Supply of spares and consumables as and when required for a period of three (3) years.

Table 2 List of spares and consumables

ITEM / SERVICE	PART	ADDITIONAL CATALOGUE INFORMATION	TOTAL
Electrode KF 1150	KF 1150	Descriptor: electrode; type: karl fisher 1150 including to platinum pins; material: glass and platinum; dimensions: dia 8 x lg 60mm; temperature range: -20 to 70 degree celsius; ph range: 0-14; application: measurement of water content in transformer oil	50
KF Starter kit	TZ 1789	TYPE: TITRATION STARTER PACK; APPLICATION: KARL FISCHER TITRATION; COMPRISING: 1 X COULOMAT OIL 500ML; 1 X COULOMAT CG (10 IN A BOX) 10 X 5ML; 1 X MOLECULAR SIEVE 100ML; SPECIFICATION: MOLECULAR SIEVE - REGULATION (ec) NO 1272/2008	25
Titration vessel	TZ 1751	Descriptor: vessel; type: titration; capacity: estimate 250ml; rating: unknown; material: glass; color: transparent; fft: measurement: estimate lg 13mm x dia 75mm	25
Generator electrode With diaphragm	TZ 1753	Descriptor: electrode; type: generator with diaphragm; material: glass with a platinum mash; dimensions: dia 12 x lg 230mm; temperature range: -20 to 70 degree celsius; ph range: 0-14; application: measurement of water content in transformer oil	50
Power supply	TZ 1853	Descriptor: adaptor, power supply; type: titrator; voltage rating: 12v output; current rating: 2.5 amp; power rating: 30 v-amp; frequency: 50/60 hertz; dimensions: 120 x 80 mm; port type: single pin; port quantity: one; material: polyvinylchloride (pvc); surface treatment: polyvinylchloride (pvc); special features: none; application: coulometer 7500; specification: measurement control and laboratory bsen010; standard: en61326-1:2006	15

stand rod	TZ 1748	Descriptor: rod; type: stand; dimensions: lg 240mm; material: stainless steel; application: holding titration vessel in place; specification: not specified	10
Retaining clamp	TZ 1749	Descriptor: clamp, loop; style designator: u shaped; material: plastic; clamping range: circumference 235mm; width: 75 mm; fastening device type: screws; specification: not specified	15
Connection cable	TZ 1577	Type: connection cable between coulometer and magnetic stirrer; dimensions: lg 830 x dia 5 mm; connection size: lg830 x dia 5mm; connection type: pin contact; material: pvc; material grade: flexiable grade waterproof pvc; material specification: astm f512-19; surface treatment: alluminium; special features: none; mounting method: insertion type; specification: female-to-female; standard: sans 10142-1	20
SERVICE			
Calibration	Once a year	Descriptor: calibrate, equipment; type: titrator; frequency: annually; method: on-site, qualified technician, calibration certificate required	15
Maintenance	As and when required	Descriptor: maintain, equipment; type: titrator-adhoc; frequency: as and when required; method: on-site, qualified technician, maintenance report	30
General			
Delivery Charges			30
Labour rate per hour (certified technician)			50
Travel time			52,2
Travel rate per km			4745,4

3.1.3.1 Requirements:

- Spares/consumables must be for SI Analytics coulometers brand of equipment.

3.1.4 Instrument service/calibration/repairs/spares and consumables to be delivered to the following addresses:

- P&FS laboratory (Rosherville)

Eskom Research & Innovation Centre
 Oil lab - Block B - Reception
 Lower Germiston Road
 Rosherville
 2022

- P&FS laboratory (Witbank)

Oil lab
 Eskom Park

Next to Electrical Workshop
Watermeyer Street
Witbank
1035

- Eskom Klerksdorp Distribution (Klerksdorp)
Goue Weg 22
Townlands
Klerksdorp 2571
- P&FS laboratory (Seshego) Polokwane
Oil lab – Eskom
53 Moletsi Street
Seshego
Polokwane
- P&FS laboratory (Brackenfell)
Oil lab
Eskom Road
Brackenfell
Cape Town
7535
- P&FS laboratory Port Elizabeth
Eskom, Oil Laboratory,
Eastern Cape Training Centre,
Spondo Road
Struandale
Port Elizabeth

3.1.5 Requirements:

- Supplier must be able to provide service to all the P&FS Laboratories.
- Service/repair agent must respond to the request within 48hr

C3.1: EMPLOYER'S SERVICE INFORMATION

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1 Description of the service

1.1 Executive overview

Put yourself in the position of the *Contractor's* senior management who need a high level overview of what is involved – the scope of work - so that they can decide when tendering whether they have the resources and capability to undertake the work. Include a description of the different services and disciplines of work involved within the *service* and the location where most of the work will be carried out.

1.2 *Employer's* requirements for the service

Either

Describe in detail what the *Employer* requires the *Contractor* to do and how he is to do it if the *Contractor* is mainly providing labour and tools to carry out the *Employer's* requirements

Or

Provide the *Employer's* operating philosophy / user requirement specification (URS) / performance specification giving deliverables and constraints for the *service* from which the *Contractor* is to plan in detail how he is to achieve the required deliverables.

Reference could be made to an Annexure for a detailed classification of services or to the Price List in the case of Option A or C and if the Price List descriptions are complete.

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
OBL	Outside battery limits

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

The *conditions of contract* (e.g. Clause 16.2) and other sections of the Service Information (e.g. safety risk management) may require that a meeting shall be held. However the intention of all NEC contracts is that the Parties and their agents use the techniques of partnering to manage the contract by holding meetings designed to pro actively and jointly manage the administration of the contract with the objective of minimising the adverse effects of risks and surprises for both Parties.

Depending on the size and complexity of the *service*, it is probably beneficial for the *Service Manager* to hold a weekly risk register meeting (Clause 16.2). This could be used to discuss safety, compensation events, subcontracting, overall co-ordination and other matters of a general nature. Separate meetings for specialist activities such as planning and activities of a technical nature may also be warranted.

Describe here the general meetings and their purpose. Provide particulars of approximate times, days, location, and attendance requirements, stipulating that attendees shall have the necessary delegated authority to make decisions in respect of matters discussed at such meetings.

The following text could be used as a model for this section:

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

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	Weekly on _____ at _____		
Overall contract progress and feedback	Monthly on _____ at _____		<i>Employer, Contractor</i> and _____

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

State any additional constraining requirements on *Contractor's* supervision and key people that are not already stated in other sections such as for Health and Safety. This section could be used to solicit an organogramme from the *Contractor* showing his people and their lines of authority / communication. This would be essential if the *Contractor* is a Joint Venture.

2.4 Provision of bonds and guarantees

The form in which a bond or guarantee required by the *conditions of contract* (if any) is to be provided by the *Contractor* is given in Part 1 Agreements and Contract Data, document C1.3, Sureties.

The *Employer* may withhold payment of amounts due to the *Contractor* until the bond or guarantee required in terms of this contract has been received and accepted by the person notified to the *Contractor* by the *Service Manager* to receive and accept such bond or guarantee. Such withholding of payment due to the *Contractor* does not affect the *Employer's* right to termination stated in this contract.

2.5 Documentation control

Specify how documentation will be identified with an alpha numeric which indicates source, recipient, communication number etc. Provide details of any particular format or other constraints; for example that all contractual communications will be in the form of properly compiled letters or forms attached to e mails and not as a message in the e mail itself. State any particular routing requirements but note from TSC3 who issues what to whom.

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)

Add procedures for invoice submission and payment (e. g. electronic payment instructions)

2.7 Contract change management

This section is intended to deal with any additional requirements to the compensation event clauses in section 6 of the core clauses; such as the use of standard forms. Not the same thing as documentation control.

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

If Option C or E applies first read clause 52.2 and then state whether the *Contractor* is required to keep any other records. Include any other constraint which may be required in regard to format and filing of the records, and whether access for the *Service Manager* shall be provided in hard copy or electronically.

Could delete if Option A applies unless the *Employer* requires some form of control over the *Contractor's* record keeping for the purpose of compensation event management.

2.9 Insurance provided by the *Employer*

First read TSC3 Core Clause 86.1 and then add anything necessary for the management of insurance related issues such as a cross reference to where procedures for making claims can be found. Also provide contact details for persons capable of being able to answer any insurance related queries the *Contractor* may have, as well as to whom the information required by Marine Insurance (if any) may be addressed.

2.10 Training workshops and technology transfer

Describe type and frequency of any on job training workshops, as well as any obligation for technology transfer being included as part of the *service* or at the end of the *service period*.

2.11 Design and supply of Equipment

On some complex services (e. g. nuclear) it could be in the Parties best interests that some details of the design of Equipment are shared with the *Service Manager*, not necessarily for his acceptance but as an assurance that the Equipment will be able to allow the *Contractor* to Provide the Service efficiently and without delay. For example specialised handling Equipment for a particular maintenance operation. Clause 23.1 is always available to the *Service Manager* if this paragraph is not used.

Also the *Employer* may wish to exercise constraints or include witness and hold points during manufacture, assembly or delivery of such Equipment. Include these constraints here.

Draft in such a way that there is no doubt that the liability for such design supply and use of the Equipment remains with the *Contractor*.

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

2.12.1 Equipment

The *Employer* may wish to use some of the Equipment used by the *Contractor* after the end of the *service period*. Clause 70.2 requires that details of such requirement be stated in the Service Information. Complete here or if not applicable retain the heading and state 'None'.

2.12.2 Information and other things

Clause 70.2 requires that information and other things which the *Contractor* is to provide at the end of the *service period* be stated in the Service Information.

2.13 Management of work done by Task Order

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

In some cases all work may be done in terms of Task Orders in which case it may be logical to move this section closer to the start of this part 2 of the Service Information. In some cases only parts of the *service* may require to be handled by Task Order, for example a major repair which has become necessary during a continuous maintenance service contract.

Please read Option X19 before drafting requirements here as much of the procedure for the administration of Task Orders is already provided in X19, for example X19.2 specifies what a task Order should include

A Task Order format could be provided in an Annexure to this Service Information.

Many considerations can apply to Task Orders, such as availability of resources, arrangements for emergency work, Task Order reporting (work carried out and service results), assessment of additional Prices for *service* not included in the Price List etc.

Clause X19.6 requires information which should be included on a Task Order programme.

Further requirements for Task Orders include things to be provided by the *Employer* under a Task Order and the conditions under which the *Employer* or Others are to work.

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 WHATEVER 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

Describe or cross refer to environmental constraints applicable to the *Contractor's* plan and his activities on the Affected Property and how they should be managed. Include here or cross refer to an Annexure to the Service Information.

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.

FOR THE PROVISION OF SERVICE, MAINTENANCE AND REPAIRS AS WELL AS SUPPLY OF SPARES AND CONSUMABLES, FOR XYLEM/SI ANALYTICS COULOMETERS TO ALL PETROLEUM AND FLOW SCIENCES (P&FS) LABORATORIES ON AS AND WHEN REQUIRED BASIS FOR THE PERIOD OF THREE (3) YEARS.

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

This part of the Service Information addresses constraints, facilities, services and rules applicable to the *Contractor* whilst he is doing work on the Affected Property.

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.

ESKOM HOLDINGS SOC Ltd CONTRACT NUMBER _____
FOR THE PROVISION OF SERVICE, MAINTENANCE AND REPAIRS AS WELL AS SUPPLY OF SPARES AND CONSUMABLES,
FOR XYLEM/SI ANALYTICS COULOMETERS TO ALL PETROLEUM AND FLOW SCIENCES (P&FS) LABORATORIES ON AS AND
WHEN REQUIRED BASIS FOR THE PERIOD OF THREE (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