

– NEC3 Term Service Contract (TSC3)

**Between ESKOM ROTEK INDUSTRIES SOC Ltd  
(Reg No. 1990/006897/30)**

**and**  
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**for THE PROVISION OF MAINTENANCE AND  
SERVICING OF TGS SITES WORKSHOPS MACHINES**

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<b>Part C1</b>	<b>Agreements &amp; Contract Data</b>
<b>Part C2</b>	<b>Pricing Data</b>
<b>Part C3</b>	<b>Scope of Work</b>

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**CONTRACT No. RRR00**

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**Documentation prepared by:**

<p>Eskom Rotek Industries SOC Limited Procurement Heritage Office Park Lower Germiston Road Rosherville Tel: 011 629 4546</p>
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## **PART C1:      AGREEMENTS & CONTRACT DATA**

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# C1.1 Form of Offer & Acceptance

## Offer

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

### THE PROVISION OF MAINTENANCE AND SERVICING OF TGS SITES WORKSHOPS MACHINES

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

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

Options A	The offered total of the Prices exclusive of VAT is	<b>N/A - Enabling Contract</b>
	Value Added Tax @ 15% is	<b>N/A - Enabling Contract</b>
	The offered total of the amount due inclusive of VAT is <sup>1</sup>	<b>N/A - Enabling Contract</b>
	<b>Including VAT.                  The Price will be based on the Rate Table in C2 of this Contract, the Price per SOW will be determined per Task Order issued on a as and when required basis.</b>	

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

Signature(s)

Name(s) \_\_\_\_\_

Capacity \_\_\_\_\_

**For the tenderer:**

\_\_\_\_\_  
*(Insert name and address of organisation)*

Name &  
 signature of  
 witness

Date

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

## Acceptance

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

The terms of the contract, are contained in:

- Part C1            Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
- Part C2            Pricing Data
- Part C3            Scope of Work: Service Information

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

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

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

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

Signature(s)

Name(s)

Capacity

**for the  
Employer**

Gersh Bonga  
General Manager  
Turbo Gen Services  
Eskom Rotek Industries SOC Ltd.  
Lower Germiston Road  
Cleveland  
Johannesburg  
2022

Name &  
signature of  
witness

Date

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

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

Note:

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

No.	Subject	Details
1		<b>Not applicable.</b>
2		
3		
4		
5		
6		
7		

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

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

**For the Tenderer:**

**For the Employer**

Signature \_\_\_\_\_

Name \_\_\_\_\_

Capacity \_\_\_\_\_

On behalf of \_\_\_\_\_

Name & signature of witness \_\_\_\_\_

Date \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Gersh Bonga  
 General Manager  
 Turbo Gen Services  
 Eskom Rotek Industries SOC Ltd.  
 Lower Germiston Road  
 Cleveland  
 Johannesburg  
 2022

\_\_\_\_\_

\_\_\_\_\_

# C1.2 TSC3 Contract Data

**Part one - Data provided by the Employer**

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

Clause	Statement	Data
1	<b>General</b>	
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option:  dispute resolution Option  and secondary Options	<b>A: Priced contract with price list</b> <b>W1: Dispute resolution procedure</b>  <b>X1: Price adjustment for inflation</b> <b>X2: Changes in the law</b> <b>X18: Limitations of liability</b>  <b>X19: Task Order</b> <b>X20: Key Performance indicators</b>  <b>Z: Additional conditions of contract</b>
10.1	of the NEC3 Term Service Contract April 2013 <sup>2</sup> (TSC3)	
	The <i>Employer</i> is (name):  Address  Tel No.	<b>Eskom Rotek Industries SOC Ltd</b> <b>(Reg no: 1990/006897/30), a state owned</b> <b>company incorporated in terms of the company</b> <b>laws of the Republic of South Africa</b>  <b>Roshland Office Park</b> <b>Lower Germiston Road</b> <b>Rosherville</b>  <b>011 629 4295</b>
10.1	The <i>Service Manager</i> is (name):  Address  Tel  e-mail	<b>ERI Rosherville Offices</b>  <b>011 629</b>  <b>@eskom.co.za</b>
11.2(13)	The Affected Property is	<b>Various Eskom Sites.</b>

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11.2(14)	The <i>service</i> is	The provision of maintenance and servicing of TGS Sites Workshops machines
11.2(15)	The following matters will be included in the Risk Register	<ul style="list-style-type: none"> <li>• Outage movements</li> <li>• Breakdowns</li> <li>• Scope creep and emergent work</li> <li>• Pandemics</li> </ul>
12.2	The Service Information is in	Part 3: Scope of Work and all documents and drawings to which it makes reference
13.1	The <i>law of the contract</i> is the law of	the Republic of South Africa
13.3	The <i>language of this contract</i> is	English
2	The <i>period for reply</i> is	12 hours for Outages / 2 days for Planning, Immediately for Health and Safety issues.
21.1	<b>The Contractor's main responsibilities</b>	As per the scope of work defined in Part 3 of this contract.
3	The <i>Contractor</i> submits a first plan for acceptance within	One week of the Contract Date and as stated in each Task Order, as applicable.
30.1	<b>Time</b>	
30.1	The <i>starting date</i> is.	<p>Date of Signature of contract and issue of the official order.</p> <p>The individual Task order dates will stipulate start and end dates, this will apply per SOW and must be mutually agreed between both parties</p>
4	The <i>service period</i> is	<p>5 Years from date of signature.</p> <p>This contract is an enabling contract the need will be dictated by business requirements.</p>
42	The defects date is	<p>52 weeks after the completion of each task order.</p> <p>The time to respond to a defect's notification will be 2 calendar days.</p>
42(cont.)	<b>Notifying and correcting Defects</b>	As per clause 42.1, 42.2 and 42.3 of the NEC contract
50.1	<b>Payment</b>	
51.1	The <i>assessment interval</i> is	<p>As stated on each individual Task Order.</p> <p>Should the SOW duration be longer than 30 days, a mutually agreed payment structure will be entered into the assessment schedule of the Task Order.</p> <p>It must be noted that payment will be made on actual progress completed. The assessment certificate must be signed by the relevant Project Manager and the Contractor's representative, upon agreement. This certificate must accompany the tax invoice.</p>

51.2	The <i>currency of this contract</i> is the	<b>South African Rand.</b>
51.4	The period within which payments are made is	<b>Within 60 days of receipt of the Contractor's tax compliant invoice.</b>
51.5	Retention for performance measurement	Not applicable
6	The <i>interest rate</i> is	<b>Zero percent above the publicly quoted prime rate of interest (calculated on a 365 day year) charged by from time to time by the Standard Bank of South Africa Limited (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rand.</b>
7	<b>Compensation events</b>	<b>Any additional scope that was not catered for in the tender.</b>
8	<b>Use of Equipment Plant and Materials</b>	
80	<b>Risks and insurance</b>	
80.1	These are additional <i>Employer's</i> risks	<b>None</b>
83.1	The <i>Employer</i> provides the insurances stated in the Insurance Table below.	
	<b>INSURANCE TABLE</b>	
	<b>Insurance against</b>	<b>Minimum amount of cover or minimum limit of indemnity as stated for "Format TSC3" available on</b>
	Assets All Risk	As per the insurance policy document.
	Project insurance	As per the insurance policy document.
	General and Public Liability	As per the insurance policy document.
	Environmental Liability	As per the insurance policy document.
	Transport (Marine)	As per the insurance policy document.
	Motor Fleet and Mobile Plant	As per the insurance policy document.
	Terrorism	As per the insurance policy document.
	Cyber Liability	As per the insurance policy document.
83.1	The <i>Contractor</i> provides the insurances stated in the Insurance Table	
	The insurances provide cover for events which are at the <i>Contractor's</i> risk from the <i>starting date</i> until the end of the <i>service period</i> or a termination certificate has been issued	
	<b>INSURANCE TABLE</b>	
	<b>Insurance against</b>	<b>Minimum amount of cover or minimum limit of indemnity</b>
	Loss of or damage caused by the <i>Contractor</i> to the <i>Employer's</i> property	The replacement cost where not covered by the <i>Employer's</i> insurance.  The <i>Employer's</i> policy deductible as at contract date, where covered by the <i>Employer's</i> insurance.
	Loss of or damage to Plant and	The replacement cost where not covered by the

	Materials	<p><i>Employer's insurance.</i></p> <p>The Employer's policy deductible as at contract date, where covered by the <i>Employer's insurance.</i></p>
	Loss of or damage to Equipment	<p>The replacement cost where not covered by the <i>Employer's insurance.</i></p> <p>The <i>Employer's</i> policy deductible as at contract date, where covered by the <i>Employer's insurance.</i></p>
	The <i>Contractor's</i> liability for loss of or damage to property (except the <i>Employer's</i> property, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Contractor</i> ) arising from or in connection with the <i>Contractor's</i> Providing the Service	<p><b><u>Loss of or damage to property</u></b></p> <p>The replacement cost</p> <p><b><u>Bodily injury to or death of a person</u></b></p> <p>The amount required by the applicable law.</p>
	Liability for death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract	<p>The amount required by the applicable law</p>

**9 Termination**

90.1	<p>The Employer may terminate the Contract for any reason suffice that the reason given by the Employer complies with this contract and is in terms of clause 90.1."</p>
90.2	<p>In terms of clause 90.2 of the <i>conditions of contract</i>, the <i>Employer</i> may terminate for any reason other than R1-R21.</p>
90.3	<p>Will apply in respect of payment. All outstanding invoices and Delivery notes will be required by the Employer.</p>

**92 Procedure on Termination**

	<p>The procedure will be as per 92.1</p>	<ol style="list-style-type: none"> <li>1. The procedure will be as per 92.1 The Employer may use any plant and materials provided by the Contractor - (P1),</li> <li>2. Employer's use of Plant and Materials 92.2 (P2) all plant and material paid for by Employer remains the property of the Employer.</li> <li>3. 92.2 (P4) all SOW and services that is due as per Official Orders issued are to be delivered to the Employer.</li> </ol>
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	<b>Data for main Option clause</b>	<b>Option A</b>
20.5		<b>Priced contract with price list</b>

	The <i>Contractor</i> prepares forecasts of the final total of the Prices for the whole of the <i>service</i> at intervals no longer than	<b>Not applicable as the full supply of the <i>service</i> is unknown.</b>
<b>W1.1</b>	<b>Data for Option W1</b>	the person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the Party intending to refer a dispute to him. (see <a href="http://www.ice-sa.org.za">www.ice-sa.org.za</a> ). If the Parties do not agree on an Adjudicator
	The <i>Adjudicator</i>	the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA), the Chairman of the Joint Civils Division of the South African Institution of Civil Engineering. (See <a href="http://www.jointcivils.co.za">www.jointcivils.co.za</a> )
	Address	Johannesburg, South Africa
W1.2(3)	e-mail	the Chairman of ICE-SA a joint Division of the South African Institution of Civil Engineering and the Institution of Civil Engineers (London) (see <a href="http://www.ice-sa.org.za">www.ice-sa.org.za</a> ) or its successor body.
W1.4(2)	The <i>Adjudicator nominating body</i> is:	the Chairman of the Joint Civils Division of the South African Institution of Civil Engineering. (See <a href="http://www.jointcivils.co.za">www.jointcivils.co.za</a> )
W1.4(5)	The <i>tribunal</i> is:	arbitration
	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body
	The place where arbitration is to be held is	the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.
12	The person or organisation who will choose an arbitrator - if the Parties cannot agree a choice or - if the arbitration procedure does not state who selects an arbitrator, is	
<b>X1</b>	<b>Data for secondary Option clauses</b>	
<b>X1.1</b>	<b>Price adjustment for inflation</b>	
	The <i>base date</i> for indices is	This is a month-to-month Contract, for a maximum period of 5 years The prices are fixed for the first 12 month period. There will therefore be annual escalation based on section C3 of the SEIFSA labour Rates Table and will be applied when applicable.
<b>X2</b>	<b>Changes in the law</b>	This parties will abide to all South African Laws

		and regulations
X18	Limitation of liability	<p><b>Limitation of Liability</b></p> <p>The <i>Employer's</i> liability to the <i>Contractor</i> for the <i>Consultant's</i> indirect or consequential loss is limited to R0.00 (zero Rand)</p> <p><b>82.1:</b> For any one event, the liability of the <i>Contractor</i> to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property is limited to the amount stated in the Contract Data. The <i>Contractor</i> is not liable to the <i>Employer</i> for loss or revenue or profit except as provided for in the conditions of Contract. Exclusions or limitation of liabilities applies in contract, delict and otherwise and to the maximum extent permitted in law.</p> <p><b>82.2:</b> The <i>Contractor</i> is not liable for indirect, special, incidental or consequential damages or loss of profits or revenues, loss of data, loss of use of equipment, cost of capital, cost of substitute equipment, services of facilities.</p> <p><b>82.3:</b> The <i>Contractor's</i> total liability to the <i>Employer</i> for all matters arising under or in connection with the Contract, other than the excluded matters, is limited to the Total of the Prices for the related Task Order. The excluded matters are amounts payable as stated in this Contract by the <i>Contractor</i> for loss and damage to third party property (other than the <i>Contractor's</i> Service, plant and materials) and death or injury to a person.</p>
X19	Providing the Service by Task Order	<p><b>Task Order</b></p> <p><b>X19.2</b> The amount for delay damages for late completion of the service to be calculated at 5% per week of the relevant Task Order value.</p> <p>All safety files (SHE) including Portfolio of Evidence (POE) must be finalised two days prior to the execution of a Task Order and or mobilization to site. Any delays beyond the starting date of the Services/Task Order due to non-compliant SHE files including POEs shall be treated in terms of a delay damages and imposed on the contract as follows:</p> <ul style="list-style-type: none"> <li>• Incomplete SHE files – 1% per day</li> <li>• Incomplete POE's - 1% per day</li> </ul>

	<p><b>X19.5 The Contractor submits a Task Order programme to the Service Manager within 5 days of receiving the Task Order.</b></p> <p><b>X19.6</b>  <b>The Parties agree that they will collaboratively review the scope of the respective Task Orders and agree upfront on the correct resources for the execution strategy.</b>  <b>List of outages are provided in Part 3 – Scope of Work. Task Orders will be issued for these outages but are subject to change dependent on the discretion of the Employer in the Main Contract with Eskom.</b></p> <p><b>Task Orders will be issued once the Scope of Work has been confirmed by Eskom.</b>  <b>The Employer reserves the right to allocate and or re-allocate outages at the Employer’s discretion dictated by business needs.</b></p>
<p><b>The additional conditions of contract are</b> <span style="float: right;"><b>Z1 to Z11 always apply.</b></span></p>	
<b>Z1</b>	<b>Cession delegation and assignment</b>
Z1.1	The Contractor does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the Employer.
Z1.2	Notwithstanding the above, the Employer may on written notice to the Contractor cede and delegate its rights and obligations under this contract to any of its subsidiaries or any of its present divisions or operations which may be converted into separate legal entities as a result of the restructuring of the Electricity Supply Industry.
<b>Z2</b>	<b>Joint ventures</b>
Z2.1	<b>Not applicable</b>
<b>Z3</b>	<b>Change of Broad Based Black Economic Empowerment (B-BBEE) status</b>
Z3.1	Where a change in the Contractor’s legal status, ownership or any other change to his business composition or business dealings results in a change to the Contractor’s B-BBEE status, the Contractor notifies the Employer within seven days of the change.
Z3.2	The Contractor is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the Service Manager within thirty days of the notification or as otherwise instructed by the Service Manager.
Z3.3	Where, as a result, the Contractor’s B-BBEE status has decreased since the Contract Date the Employer may either re-negotiate this contract or alternatively, terminate the Contractor’s obligation to Provide the Service.
Z3.4	Failure by the Contractor to notify the Employer of a change in its B-BBEE status may constitute a reason for termination. If the Employer terminates in terms of this clause, the procedures on termination are P1, P2 and P4 as stated in clause 92, and the amount due is A1 and A3 as stated in clause 93.
<b>Z4</b>	<b>Ethics</b>
Z4.1	Any offer, payment, consideration, or benefit of any kind made by the Contractor, which

	constitutes or could be construed either directly or indirectly as an illegal or corrupt practice, as an inducement or reward for the award or in execution of this contract constitutes grounds for terminating the <i>Contractor's</i> obligation to Provide the Service or taking any other action as appropriate against the <i>Contractor</i> (including civil or criminal action).
Z4.2	<p>The <i>Employer</i> may terminate the <i>Contractor's</i> obligation to Provide the Service if the <i>Contractor</i> (or any member of the <i>Contractor</i> where the <i>Contractor</i> constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations) is found guilty by a competent court, administrative or regulatory body of participating in illegal or corrupt practices.</p> <p>Such practices include making of offers, payments, considerations, or benefits of any kind or otherwise, whether in connection with any procurement process or contract with the <i>Employer</i> or other people or organisations and including in circumstances where the <i>Contractor</i> or any such member is removed from the an approved vendor data base of the <i>Employer</i> as a consequence of such practice.</p>
Z4.3	Notwithstanding the provisions of core clause 90.2, the procedures on termination in terms of this clause are P1, P2 and P4 as stated in the core clause 92 and the amount due is A1 and A3 as stated in core clause 93.

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**Z5 Confidentiality**

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Z5.1	The <i>Contractor / Employer</i> does not disclose or make any information arising from or in connection with this contract available to Others. This undertaking does not, however, apply to information which at the time of disclosure or thereafter, without default on the part of the <i>Contractor / Employer</i> , enters the public domain or to information which was already in the possession of the <i>Contractor / Employer</i> at the time of disclosure (evidenced by written records in existence at that time). Should the <i>Contractor / Employer</i> disclose information to Others in terms of clause 25.1, the <i>Contractor / Employer</i> ensures that the provisions of this clause are complied with by the recipient.
Z5.2	If the <i>Contractor / Employer</i> is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the Employer's <i>Service Manager</i> or <i>Contractor's Project Manager</i> .
Z5.3	In the event that the <i>Contractor / Employer</i> is, at any time, required by law to disclose any such information which is required to be kept confidential, the <i>Contractor / Employer</i> , to the extent permitted by law prior to disclosure, notifies the <i>Contractor / Employer</i> so that an appropriate protection order and/or any other action can be taken if possible, prior to any disclosure. In the event that such protective order is not, or cannot, be obtained, then the <i>Contractor / Employer</i> may disclose that portion of the information which it is required to be disclosed by law and uses reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed.
Z5.4	The taking of images (whether photographs, video footage or otherwise) of the Affected Property or any portion thereof, in the course of Providing the Service and after the end of the <i>service period</i> , requires the prior written consent of the <i>Service Manager</i> . All rights in and to all such images, for the purpose of confidentiality, vests exclusively in the <i>Employer</i> . This will however not prevent the <i>Contractor</i> to use such images (whether photographs, video footage or otherwise) for the purpose of substantiation and reserve its rights under this contract accordingly.
Z5.5	The <i>Contractor / Employer</i> ensures that all his subcontractors abide by the undertakings in this clause.

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**Z6 Waiver and estoppel: Add to core clause 12.3:**

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Z6.1	Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the <i>Service Manager</i> or the <i>Adjudicator</i> does not constitute a waiver of rights, and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.
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<b>Z7</b>	<b>Health, safety and the environment: Add to core clause 27.4</b>
Z7.1	<p>The <i>Contractor</i> undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the execution of the <i>service</i>. Without limitation the <i>Contractor</i>:</p> <ul style="list-style-type: none"> <li>• accepts that the <i>Employer</i> may appoint him as the “Principal Contractor” (as defined and provided for under the Construction Regulations 2014 (promulgated under the Occupational Health &amp; Safety Act 85 of 1993) (“the Construction Regulations”) for the Affected Property;</li> <li>• warrants that the total of the Prices as at the Contract Date includes a sufficient amount for proper compliance with the Construction Regulations, all applicable health &amp; safety laws and regulations and the health and safety rules, guidelines and procedures provided for in this contract and generally for the proper maintenance of health &amp; safety in and about the execution of the <i>service</i>; and</li> <li>• undertakes, in and about the execution of the <i>service</i>, to comply with the Construction Regulations and with all applicable health &amp; safety laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the <i>Contractor’s</i> direction and control, likewise observe and comply with the foregoing.</li> </ul> <p>The <i>Contractor</i>, in and about the execution of the <i>service</i>, complies with all applicable environmental laws and regulations and rules, guidelines and procedures otherwise provided for under this contract and ensures that his Subcontractors, employees and others under the <i>Contractor’s</i> direction and control, likewise observe and comply with the foregoing.</p> <p>The Contractor limits its obligations to its scope of work as indicated in each individual Task Order Issued.</p>
<b>Z8</b>	<b>Provision of a Tax Invoice and interest. Add to core clause 51</b>
Z8.1	Within one week of receiving a payment certificate from the <i>Service Manager</i> in terms of core clause 51.1, the <i>Contractor</i> provides the <i>Employer</i> with a tax invoice in accordance with the <i>Employer’s</i> procedures stated in the Service Information, showing the amount due for payment equal to that stated in the payment certificate.
Z8.2	If the <i>Contractor</i> does not provide a tax invoice in the form and by the time required by this contract, the time by when the <i>Employer</i> is to make a payment is extended by a period equal in time to the delayed submission of the correct tax invoice. Interest due by the <i>Employer</i> in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.
Z8.3	The <i>Contractor</i> (if registered in South Africa in terms of the companies Act) is required to comply with the requirements of the Value Added Tax Act, no 89 of 1991 (as amended) and to include the <i>Employer’s</i> VAT number 4330196330 on each invoice he submits for payment.
<b>Z9</b>	<b>Notifying compensation events</b>
Z9.1	<p>Delete the last paragraph of core clause 61.3 and replace with:</p> <p>If the <i>Contractor</i> does not notify a compensation event within eight weeks of becoming aware of the event, he is not entitled to a change in the Prices.</p>
<b>Z10</b>	<b>Suspension of Task Order</b>
Z10.1	<p><b>Suspension of Task Order</b></p> <p>In addition to X19, the following shall apply:  Only the Employer is allowed to suspend or cancel a Task Order and the Contractor will have the opportunity to claim for work completed to date, on any specific Task Order, at the date of termination.  Payment will only be made on actual/proven costs.</p>

<b>Z11</b>	<b>Termination</b>
Z11.1	The <i>Contractor</i> must take cognisance that the awarding of this contract is based on a month-to-month basis.
Z11.2	The <i>Employer</i> reserves the right to terminate this contract subject to 30 calendar day's written notice.
Z11.3	The <i>Contractor</i> must ensure that it has taken all the necessary steps to give effect to the Employers notice period without any liability to the Employer.
Z11.4	Over and above clause Z4, The Employer reserves the right to terminate this contract without Any recourse should the Contract have any legal actions, investigations or involved in any illegal or corrupt practices that may bring Eskom's reputation into disrepute. Further the Employer may terminate the Contractor's obligation to Provide the Service if a Committing Party has taken such Prohibited Action and the Contractor did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the Employer has. It is not required that the Committing Party had to have been found guilty, in court or in any other similar process, of such Prohibited Action before the Employer can terminate the Contractor's obligation to Provide the Service for this reason.
<b>Z12</b>	<b>Contractor's Obligation</b>
Z12.1	The <i>Contractor's</i> obligation is to use skill and care normally used by professionals providing the services as detailed in the Works Information.
<b>Z13</b>	<b>Intellectual Property</b>
Z13.1	<p>All Designs, drawings, specifications, instructions, manuals and other documents created, produced by or on behalf of the <i>Contractor</i> for the purposes of carrying out the Service (collectively, the "<i>Contractor's</i> Copyright Documents") and copyright therein and all intellectual property rights relating thereto, are, will be, and will remain the property of the <i>Contractor</i>. The <i>Contractor</i> hereby grants to the <i>Employer</i> an irrevocable, royalty-free, non-exclusive and perpetual licence to use those of the <i>Contractor's</i> Copyright Documents supplied to the <i>Employer</i> under the Contract for the purpose of operating, maintaining, adjusting and repairing the Service.</p> <p>The <i>Contractor</i> shall not under any circumstances be obliged to divulge or supply any proprietary manufacturing documents, and design drawings.</p> <p>Patents and Trademarks</p> <p>In the event of any claims being made or actions brought against the <i>Employer</i> on the ground that the Service, Plant and Materials or the design information provided by the <i>Contractor</i> to him hereunder or the use of same as specified hereunder constitutes an infringement of any patent, trademark or copyright of the Republic of South Africa, the <i>Contractor</i> shall be promptly notified thereof and shall at its own expense conduct all negotiations for the settlement of the claim and litigation that may arise from such alleged infringement. The <i>Employer</i> shall not, before the <i>Contractor</i> shall have failed to take over the conduct of the negotiation or litigation, make any admission which might be prejudicial thereto. The <i>Employer</i> shall at the request of the <i>Contractor</i> afford him all technical assistance that the <i>Employer</i> is able to provide for the purpose of contesting any such claim or action</p> <p>Should it be held in any such action that any such protected rights has been infringed, the <i>Contractor</i>, has the choice to replace or continue with the affected design at its own expense and in consultation with the <i>Employer</i>, shall either: procure for <i>Employer</i> the right to continue to use the affected item or design, or replace the said affected item or design with a non-infringing item or design of equivalent quality, or modify such affected item or design so as to make it non-infringing without affecting the quality.</p> <p>Notwithstanding anything contained in this Contract, the foregoing sets forth the entire responsibility of <i>Contractor</i> with respect to claims relating to infringement and shall not apply in the case where the infringement is attributable to <i>Contractor</i> for which <i>Employer</i> shall protect</p>

*Contractor* to the same extent *Contractor* has agreed to protect the *Employer* herein.

**Z14 Asbestos**

Prior to the commencement of the services on site, a free measurement routine in conformity with TRGS 519 (German Technical Rules for Hazardous Substances) must be carried out, with the maximum permissible limit value being 500 fibres per m<sup>3</sup>, with an upper confidence level of the poison distribution lower than 1000 F/m<sup>3</sup>. The measurement and evaluation must be conducted according to VDI 3492 or Acceptable SABS approved standards. Results of the measurement have to be presented to the *Contractor*. The costs of the action incurred for this purpose, including any requisite follow-up measurements required by the *Contractor*, shall be borne by the *Employer*.

It is agreed between Parties that in case the measurements performed by the *Employer* show unsafe levels with regard to the above, asbestos shall be removed and disposed of by the *Employer* involving a specialist company before the *Contractor* or its contracting party start the Services.

The services on site shall then only start when the asbestos measurements showing safe levels have been presented to the *Contractor*.

Should asbestos be detected during the execution of the services, the *Contractor*'s personnel will stop the work and leave the contaminated area forthwith and the *Employer* arranges for the area to be cleaned and decontaminated as per the above standards. The *Contractor* will be compensated for the waiting period according to the valid hourly rates and for all further cost incurred as a result of service interruption due to asbestos.

The services on site shall be resumed, when the asbestos measurements showing safe levels as defined above have been presented to the *Contractor*.

The contractually agreed dates for services at the site including completion date shall be adjusted accordingly.

Prior to the commencement of the services on site, a free measurement routine in conformity with TRGS 519 (German Technical Rules for Hazardous Substances) must be carried out, with the maximum permissible limit value being 500 fibres per m<sup>3</sup>, with an upper confidence level of the poison distribution lower than 1000 F/m<sup>3</sup>. The measurement and evaluation must be conducted according to VDI 3492 or Acceptable SABS approved standards. Results of the measurement have to be presented to the *Contractor*. The costs of the action incurred for this purpose, including any requisite follow-up measurements required by the *Contractor*, shall be borne by the *Employer*.

It is agreed between Parties that in case the measurements performed by the *Employer* show unsafe levels with regard to the above, asbestos shall be removed and disposed of by the *Employer* involving a specialist company before the *Contractor* or its contracting party start the Services.

The services on site shall then only start when the asbestos measurements showing safe levels have been presented to the *Contractor*.

Should asbestos be detected during the execution of the services, the *Contractor*'s personnel will stop the work and leave the contaminated area forthwith and the *Employer* arranges for the area to be cleaned and decontaminated as per the above standards. The *Contractor* will be compensated for the waiting period according to the valid hourly rates and for all further cost incurred as a result of service interruption due to asbestos.

The services on site shall be resumed, when the asbestos measurements showing safe levels as defined above have been presented to the *Contractor*.

	The contractually agreed dates for services at the site including completion date shall be adjusted accordingly.
<b>Z15</b>	<b>Accommodation</b>
<b>Z16</b>	<b>Working time</b>
	<p>Standard normal time work schedule will be 10 hours per day, 5 days per week for maintenance and as per outage requirements for projects.</p> <p>The working hours related to Services (Maintenance) will be in accordance with the scheduled working hours, which are averaged at 40 hours per week. This could vary between 40 and 60 hours depending on site requirements.</p> <p>Overtime in excess of 40 hours per week (normal time) may not exceed 20 hours per week subject to Department of Labour dispensation. The <i>Contractor</i> shall apply to the Department of Labour for a dispensation of 32 hours overtime per week.</p>
<b>Z17</b>	<b>Medical Insurance, Valid Work Permits, Driver's License and PPE</b>
	The <i>Contractor</i> will ensure that all deployed employees, on this Contract, have full Medical Insurance, Valid Work Permits, a valid Driver's License (where relevant) and full required Personal Protective Equipment as per site requirements.
<b>Z18</b>	<b>Nuclear Liability</b>
	<p><i>Employer</i> shall obtain and maintain, without cost to <i>Contractor</i>, nuclear liability insurance in the amount and scope of coverage required by the South African National Nuclear Regulator Act (Act No. 47 of 1999), and the rules and regulations promulgated thereunder, or in the amount of US\$450 million (or South African rand equivalent amount), whichever amount is more. Such insurance shall be in effect prior to the performance of the services and shall remain in effect for the duration of the Contract and until the Plant has been removed from supervision under laws on atomic energy by the competent South African regulatory authority. Neither the insured nor the insurers shall have any right of subrogation, recourse or otherwise against <i>Contractor</i> or its suppliers. In addition, <i>Employer</i> shall obtain and maintain, without cost to <i>Contractor</i>, insurance covering all damages due to acts of terrorism in an amount not less than US\$47.3 million. Upon issuance of a task order to <i>Contractor</i>, <i>Employer</i> shall provide proof of such insurance as required in this Paragraph A, and <i>Contractor</i> has the right to reject <i>Employer's</i> task order without liability of any kind, if the insurance does not meet the conditions set forth herein.</p>
	<p><b>B. LIABILITY PROTECTION</b></p> <p>1. This sale of products and/or services and any delivery or performance obligations pursuant to this sale are conditional upon there being in full force and effect in the Republic of South Africa a system of protection for nuclear liability to third parties under the South African National Nuclear Regulatory Act (Act No. 47 of 1999), and that such system of protection for nuclear liability will continue in effect at all times until decommissioning of the Plant and until the Plant has been removed from supervision under laws on atomic energy by the competent South African regulatory authority.</p> <p>2. In the event that the system of protection for nuclear liability referred to in Paragraph B.1 above is repealed, expires or changed in a manner that reduces the level of protection afforded <i>Contractor</i> or its suppliers, <i>Employer</i> will establish, without cost to <i>Contractor</i>, until the decommissioning of the Plant and until the Plant has been removed from supervision under laws on atomic energy by the competent South African regulatory authority, a substitute system of protection against such liability which will, in its overall effect, provide protection equivalent to the protection afforded <i>Contractor</i> and its suppliers under the original system and this Appendix A. <i>Employer</i> shall promptly advise</p>

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**DEFINITIONS AND OTHER PROVISIONS**

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As used in this Appendix A, the following terms (whether or not capitalized) shall have the meanings set forth below:

1. "Liability for Nuclear Damage" means any liability for damage of any kind, whether based on contract, warranty, indemnity, tort (including negligence of whatever degree), strict liability or otherwise, which in whole or in part is caused by, arises out of, results from or is in any way related, directly or indirectly, to either the radioactive, toxic, explosive or other hazardous properties of any nuclear or radioactive material, including amounts paid in settlements of claims or litigation, amounts paid to satisfy judgments or awards, interest, legal costs (including costs in initiating, prosecuting, investigating, settling or defending claims or suits), and fees of counsel. The foregoing includes, but is not limited to liability for, loss of, or damage to, or loss of use of, any real, personal or mixed property, fixtures or equipment located at the *Employer's* Plant and whether owned by the *Employer* or any third party) or elsewhere or in the course of transportation to or from the Plant including handling or storage incidental thereto (including any equipment supplied by the Seller, any nuclear material, and any means of transport ), injury, sickness, disease, disability or death, loss of actual or anticipated profits, loss by reason of Plant shutdown, nonoperation or increased expense of manufacturing or operation, service interruptions, claims of the *Employer's* customers, subcontractors or suppliers, governmental fines or penalties against the *Employer*, loss of use of capital or revenue, cost of money, radioactive contamination, measures of reinstatement of impaired environment, worker claims, preventive measures, replacement power costs, acts of terrorism, rumour damage, interest, legal costs (including costs in initiating, prosecuting, investigating, settling or defending claims or suits), and fees of counsel.
2. "Consultant" means any person, firm, corporation, vendor, subcontractor or, and/or supplier, regardless of tier, and the parent company or companies, affiliates, subsidiaries and/or related companies/entities, and the directors, officers, employees and agents of each such entity, which has furnished or is furnishing to the Agreement Company or Owner, as per the signatories, directly, any material, equipment, services, information, or any other thing in connection with the products and services.
3. "Plant" means the Koeberg Nuclear Power Station near Cape Town, Republic of South Africa, and includes all of the nuclear reactors and ancillary installations, as well as all real, personal and mixed property, fixtures, equipment, activities and operations at such location.
4. "Operator" means the organization designated by the competent South African Government regulatory authority as the operator of the Plant, which cannot be the Seller.
5. "*Employer*" means Rotek Industries, acting on behalf of the designated Operator and owner of the Plant.
6. Each Party hereby acknowledges and agrees that the provisions of this sui generis Appendix A are fair and reasonable having regard to the circumstances as the date hereof.
7. This Appendix A is intended to provide the Company and its Suppliers with protection in addition to liability protection provided by the South African National Nuclear Regulatory Act (Act No. 47 of 1999).
8. The provisions of this Appendix A shall be severable. Should any part of this Appendix A be rendered or declared invalid by a court of competent jurisdiction, such invalidation of such part or portion of this Appendix A should not invalidate the remaining portions thereof, and they shall remain in full force and effect. The provisions of this Appendix A shall be liberally constructed to effectuate its purposes..

<b>Z19</b>	<b>Transport Arrangements</b>
	The <i>Contractor</i> shall ensure that resources are transported to site as per working times stipulated in clause Z16, and make provision for standby requirements after hours
<b>Z20</b>	<b>Documentation required</b>
	Proof of experience and qualifications, as per the prequalification requirements work instruction 240-99475034, of the proposed <i>Contractor's</i> staff together with certificates of medical fitness to be furnished to the <i>Employer</i> before task order signature
<b>Z21</b>	<b>Estimated Price</b>
	The estimated price must be based on the scope of work as defined in Part 3 of this contract.

## C1.2 Contract Data

### Part two - Data provided by the Contractor

Clause	Statement	Data
10.1	The Contractor is Address Tel No. Fax No.	
11.2(8)	The <i>direct fee percentage</i> is The <i>subcontracted fee percentage</i> is	<b>Not applicable.</b> <b>Not applicable.</b>
11.2(14)	The following matters will be included in the Risk Register	<b>Not applicable.</b>
11.2(15)	The Service Information for the Contractor's plan is in:	<b>Refer to each individual Task Order.</b>
21.1	The plan identified in the Contract Data is contained in:	<b>Refer to each individual Task Order.</b>
24.1	The key people are: 1 Name: Job: Responsibilities:	
	2 Name: Job Responsibilities:	
<b>A</b>	<b>Priced contract with price list</b>	
11.2(12)	The <i>price list</i> is in	<b>The <i>price list</i></b>
11.2(19)	The tendered total of the Prices is	<b>as per Task Order</b>

**Part 2: Pricing Data****TSC3 Option A**

<b>Document reference</b>	<b>Title</b>	<b>No of pages</b>
C2.1	Pricing assumptions: Option A	
C2.2	The <i>price list</i>	

## C2.1 Pricing assumptions: Option A

### How work is priced and assessed for payment

Clause 11 in NEC3 Term Service Contract (TSC3) core clauses and Option A states:

<b>Identified and defined terms</b>	11 11.2	(12) The Price List is the <i>price list</i> unless later changed in accordance with this contract.  (17) The Price for Services Provided to Date is the total of <ul style="list-style-type: none"><li>the Price for each lump sum item in the Price List which the <i>Contractor</i> has completed and</li><li>where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the <i>Contractor</i> has completed by the rate.</li></ul> (19) The Prices are the amounts stated in the Price column of the Price List. Where a quantity is stated for an item in the Price List, the Price is calculated by multiplying the quantity by the rate.
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This confirms that Option A is a priced contract where the Prices are derived from a list of items of service which can be priced as lump sums or as expected quantities of service multiplied by a rate or a mix of both.

### Function of the Price List

Clause 54.1 in Option A states: "Information in the Price List is not Service Information". This confirms that instructions to do work or how it is to be done are not included in the Price List but in the Service Information. This is further confirmed by Clause 20.1 which states, "The *Contractor* Provides the Service in accordance with the Service Information". Hence the *Contractor* does **not** Provide the Service in accordance with the Price List. The Price List is only a pricing document.

### Link to the *Contractor's* plan

Clause 21.4 states "The *Contractor* provides information which shows how each item description on the Price List relates to the operations on each plan which he submits for acceptance". Hence when compiling the *price list*, the tendering contractor needs to develop his first clause 21.2 plan in such a way that operations shown on it can be priced in the *price list* and result in a satisfactory cash flow in terms of clause 11.2(17).

### Preparing the *price list*

Before preparing the *price list*, both the *Employer* and tendering contractors should read the TSC3 Guidance Notes pages 14 and 15. In an Option A contract, either Party may have entered items into the *price list* either as a process of offer and acceptance (tendering) or by negotiation depending on the nature of the *service* to be provided. Alternatively the *Employer*, in his Instructions to Tenderers or in a Tender Schedule, may have listed some items that he requires the *Contractor* to include in the *price list* to be prepared and priced by him.

It is assumed that in preparing or finalising the *price list* the *Contractor*:

- Has taken account of the guidance given in the TSC3 Guidance Notes relevant to Option A;
- Understands the function of the Price List and how work is priced and paid for;

- Is aware of the need to link operations shown in his plan to items shown in the Price List;
- Has listed and priced items in the *price list* which are inclusive of everything necessary and incidental to Providing the Service in accordance with the Service Information, as it was at the time of tender, as well as correct any Defects not caused by an *Employer's* risk;
- Has priced work he decides not to show as a separate item within the Prices or rates of other listed items in order to fulfil the obligation to complete the *service* for the tendered total of the Prices.
- Understands there is no adjustment to items priced as lump sums if the amount, or quantity, of work within that item later turns out to be different to that which the *Contractor* estimated at time of tender. The only basis for a change to the (lump sum) Prices is as a result of a compensation event.

### **Format of the *price list***

(From the example given in an Appendix within the TSC3 Guidance Notes)

Entries in the first four columns in the *price list* in section C2.2 are made either by the *Employer* or the tendering contractor.

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

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

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

## C2.2 the *price list*

To be added once negotiations are concluded

## C2.3 the SOW

### Scope

#### The provision of maintenance and servicing of TGS Sites workshop machines

##### 1. SCOPE OF WORK

The TGS Sites Workshops Machines are assets used for ensuring on-time and effective delivery of the works executed within the Eskom Power Stations TGS Workshops. The maintenance of these machines is critical to the operation of the power stations and the TGS Maintenance and Projects Departments, thus the service delivery to the TGS clients. The maintenance of these machines is required to be conducted at an interval as specified by the OEM's and the condition monitoring report. The maintenance and service executed on these machines are both planned and unplanned work as the requirement may be. The minimum maintenance and/or service intervals are quarterly (3months), whereby the 3 months can be classified as minor service while the 6 months can be classified as a major service as per the OEM and the Maintenance Strategy Requirements, and also on an as and when required (breakdown) purposes.

A well-structured maintenance and service programme is essential for any operation. In having numerous different machines that require regular services and maintenance, an adoption of an effective maintenance plan will ensure that:

- Machine down time resulting from breakdown are limited,
- The quality of production will be improved,
- The life of the machine will be improved, and,
- The costs of repairs and maintenance will be reduced.

As part of a full maintenance proposal, the scope of work should be divided into a well-structured on-going maintenance program as well as a breakdown services. The maintenance program must be tailored for each machine so as to specifically address the needs of each piece of machinery. This must include regular inspections of the equipment as well as the servicing of such equipment at the required intervals. The machine reliability and availability promotes and supports the daily production schedules and plans. This scope, while entailing the maintenance of the machine as they stand, also seeks to build a history of utilization and maintenance. Therefore, where a maintenance regime is not in place, the service provider shall work with the client to develop one in accordance with the OEM minimum requirements.

##### 1.2 Site Information

The scope entails works to be executed at different sites; i.e. Camden, Tutuka, Majuba, Duvha, Komati, Matla, Krilel, Kendal, Hendrina, Arnot, Lethabo, Grootvlei and Matimba Power Stations

##### 1.3 Plant Description

The plant description of the machines to be maintained and/or serviced is tabulated on the tables below.

**Table 1: Camden Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Lathe machine	32E258002200	PROTH	1
2	Shaping machine	11032197	SLOTMACH	1
3	Milling machine (new)	980000081570	Pinnacle-10726	1
4	Milling machine (old)	32E258001500	LAGUN	1
5	Surface grinder	980000081568	PROTH -10712	1
6	Power Saw Machine	980000081569	COSEN 10727	1
7	Radial Drilling Machine		RAD32X1000/3801072	1

**Table 2: Duvha Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Lathe machine	34E532111331	CYL660G	1
2	Radial Arm drill machine	34E432010100	Heckert	1
3	Milling machine	34E432010600	Simplon	1
4	Surface Grinder	831081-1	Kent	1
5	Pedestal Grinder	34E532010776/1	Bosch	1
6	Pedestal Grinder	11020564	Bosch	1
7	Drill machine	34E532015400	Heckert	1
8	Power saw	34E432004000	Ercole 240	1

**Table 3: Matla Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Pedestal Drill	10919297	ERLO TCA-40	1
2	Pedestal Drill	34E545029380	ERLO TCA-40	1
3	Wire Brush Machine	34E452012100	Sprecher+Schuh	1
4	Wire Brush Machine	10919327	Sprecher+Schuh	1
5	Stone Grinder	10919328	Crown	1
6	Stone Grinder	10919329	Crown	1
7	Stone Grinder	10919334	Crown	1
8	Hydraulic Press (pump & jack)	10918937	Enerpac	1
9	Lathe Machine	10919344	Colchester	1
10	Surface grinder	10919399	Kent	1
11	Shaping Machine	34E452006400	no name plate	1
12	Power Saw Machine	10919393	Cosen	1

**Table 4: Tutuka Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Lathe machine	11036977	Trent SN 50	1
2	Milling machine	10920044	TA Mill Master	1
3	Surface grinder	11036979	Proth	1
4	Power Saw Machine	10920048	TA SawMaster	1
5	Drilling Machine TSAR 32	11036978	TSAR 32	1

6	Drilling Machine (small)	10920041	Strands Type: S 68	1
7	Hydraulic test bench (Denison pumps x 2 off	Tutuka	Type: Denison PV6 Bench Pump	2
8	H-Frame Hydraulic Press (pump & jack)	10919975	Enepac	1

**Table 5: Lethabo Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Bench Grinder (Small)	99E544004831	Felisatti	1
2	Bench Grinder (Big)	99E544004832	Felisatti	1
3	Lathe Machine	34E544039319	CY PML (660x2000g)	1
4	Milling Machine	34E544039124	Pinnacle	1
5	Drilling Machine	99E544039521	Strands	1
6	Surface Grinder	34E652004600	Proth	1
7	Pipe Threading Machine	34E343000500	Ridgid	1
8	Power pack presser	34E652003000	Enerpac	1
9	Band/Power Saw	34E652000600	Carif	1

**Table 6: Matimba Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Late machine(old)	99E531000790	OKUMA	1
2	Late machine(new)	11022819	CY6250B/2000	1
3	Milling machine (new)	11022820	JINSHIN	1
4	Milling machine (old)	99E531000792	SIM GROUP JAPAN	1
5	Surface grinder(old)	99E531001693	PROTH INDUSTRIAL CO.LTD	1
6	Surface grinder(new)	11022821	PROTH INDUSTRIAL CO.LTD	1
7	Power Saw Machine(old)	99E531000795	CARIF 200	1
8	Pedestal grinder	99E531000793	TYPE 38 (PM012948)	1
9	Pedestal drill(old)	99E531001695	KITCHEN&WADE LTD	1
10	Pedestal drill(old)	99E531000791	PAINTED.NOT VISIBLE	1
11	Pedestal drill(old)	99E531001696	MAC OLIVE PRECISION ENGINEERING	1
12	Vertical band saw	99E531001816	FU HO FACTORY CO.LTD	1
13	Sand blasting machine	34E531000400	PAINTED.NOT VISIBLE	1
14	Power Saw Machine(new)	11022822	COSEN MACHINERY INDUSTRIAL CO.LTD	1

**Table 7: Kriel Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Lathe Machine	34E546021353	Trens Trencin	1
2	Surface grinder	34E546012300	Rema	1
3	Drilling Machine	99E546008123	Mitco	1
4	Milling Machine	34E453007600	Cicinnati	1
5	Surface grinder	34E453012500	Crown	1

6	Power Saw	34E453012600	No info	1
7	Big surface grinder	99E546008252	Rema	1
8	Buffing Machine	34E453012700	Rema	1
9	Drilling Machine	34E453007800	Heckert	1

**Table 8: Kendal Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Late machine	34E454004200	Tezsan	1
2	Milling machine	99E541002721	Lagun	1
3	Jig Saw	34E554234500	Fabris	1
4	Circular Saw 220V	34E541031057	Rema	1
5	Small grinder	99E541002685	TA Grind Master	1
6	Pedestal Drill	34E455400560	Mitco	1
7	Lathe Machine	34E454005500	Kilser	1

**Table 9: Majuba Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	GRINDER WITH STONE BRUSH AIR	99E533003385	Ingersol Rand	1
2	Pedestal Grinding Machine	34E534008800	TA Grind Master	1
3	MILLING MACHINE SUPERMAX	39E650014500	Supermax	1
4	Band Saw Blade Machine	34E534011690	Cocco	1
5	Geared Head Precision Lathe	34E534011683	TA Turnmaster	1
6	MILLING MACHINE	980000118806	Manford	1
7	Surface Grinder Model SGS 122	34E534011696	Flee Port	1
8	Lathe Machine MITCO 360S	34E662004700	Mitco	1
9	Dilling Machine	34E553105778	Rexon	1
10	Welding Machine	99E534004122	Tonco	1
11	Pedestal Drilling Machine	99E534004138	Radial	1

**Table 10: Komati Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Bench Grinder (Big)	34E553068937	MARPOL	1
2	Bench Grinder (Small)	34E516011224	MARPOL	1
3	Lathe Machine	34E516007400	TA TURN MASTER	1
4	Milling Machine	34E516007800	TA Mill Master	1
5	Drilling Machine	34E516011203	TA DRILL MASTER	1
7	Pipe Threading Machine	34E516007300	RIDGED 535 SERIES	1
8	Pedestal Drill	34E516007700	TA TURN MASTER	1
9	Surface Grinder	34E516007600	TA Grind Master	1
10	Power Saw Machine	34E516007500	TA SAW MASTER	1

**Table 11: Hendrina Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Power Saw	99E543000927	NO NAME ON IT	1
2	Pedestal Grinder(COMM)	99E543001118	KENIA	1
3	Surface Grinder	10913127	KENT	1
4	Pedestal Grinder(big)	99E543000927	KENIA	1
5	Pedestal Grinder(Medium)	HEA-2510-01	METABO	1
6	Milling Machine	34E625000100	CINCINNATI	1
7	Lathe machine	34E435000500	TOS TRENCIN	1
8	Pedestal Drilling Machine	34E435014000	MITCO	1
9	Pedestal Drilling Machine	New	TA DRILL MASTER	1
10	Pedestal Drilling Machine	99E543001120	MACO MACHINE TOOLS	1

**Table 12: Arnot Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Radial drill machine	980000081575	Tool Equip Allied	1
2	Jen Lian Milling Machine	980000081574	Pinnacle	1

**Table 13: Grootvlei Power Station**

<b>No</b>	<b>Identification</b>	<b>Asset number</b>	<b>Machine Make</b>	<b>Quantity</b>
1	Radial Drilling Machine	TBC	TBC	1
2	Hack Saw Machine	TBC	TBC	1
3	Surface Grinder	TBC	TBC	1
4	Centre Lathe (conventional)	TBC	TBC	1
5	Professional Bench Grinder	TBC	TBC	2

**1.4 Details of the works**

The specific tasks to be conducted are detailed below. The detailed tasks are the bare minimum and binding as the minimum contractual agreement between the Client and the Service Provider. OEM requirements that may, or may not, be different from the detailed scope will be considered as and when it may arise. Upon any realization of such, the Service Provider and the Client’s Representative will agree on the most effective, feasible and cost effect manner to proceed. The details of the works is divided according to the machine location, machine type and duration requirement.

Prior to commencement of any work, the Service provider must make available all load testing and calibration certificates of all tools and tackles, apparatus, special instruments, measurement equipment as and when required, that they will be using.

**1.4.1 SPECIFIC TASKS FOR EACH MACHINE**

The work shall entail but is not limited to:

<b>1.4.1.1 CNC Machines</b>
a. Service the hydraulic unit
b. Check ATC Gearbox and change oil
c. Service coolant pump

<ul style="list-style-type: none"> <li>d. Open slide way Cover s and clean underneath</li> <li>e. Clean and check slide way cover wipers</li> <li>f. Clean all under way's for excess coolant and oil flow</li> <li>g. Service the headstock chiller/Cooler unit</li> <li>h. Service headstock lubrication system</li> <li>i. Check lubrication valves are correctly operation</li> <li>j. Apply grease to lubrication points</li> <li>k. Grease the inner moving parts of the Z-Axis cover</li> <li>l. Grease the tailstock linear guides</li> <li>m. Check the interlock and safety devices on machine</li> <li>n. Clean the NC equipment and inside the control cabinet</li> <li>o. Change the filters fir the electrical cabinet</li> <li>p. Service ball screw and milling spindle chiller / cooler unit</li> <li>q. Check and clean fans, servo drive fans includes</li> <li>r. Check the wiring and clean the cables</li> <li>s. Check all electrical connectors and connections</li> <li>t. Check the screw bearings for noise</li> <li>u. Check all hydraulic pipes for signs of wear</li> <li>v. Check the coolant pipes and connections for signs of leakages</li> <li>w. Check and clean linear guide wipers.</li> <li>x. Check Headstock alignment.</li> <li>y. Check and set X center height and set if needed.</li> <li>z. Check and set Turret alignment.</li> <li>aa. Check and set Tailstock alignment.</li> <li>bb. Check chuck and chuck cylinder function.</li> <li>cc. Check Chuck base jaws for cracks.</li> <li>dd. Measure the backlash on each axis and set if needed.</li> <li>ee. Service Coolant tank (Check filters)</li> <li>ff. Check Machine work Light</li> </ul>
<p><b>1.4.1.2 Conventional Lathes</b></p>
<p><b><u>gg. Head Stock:</u></b></p> <ul style="list-style-type: none"> <li>a. Drain oil.</li> <li>b. Clean inside of headstock.</li> <li>c. Check that sight glass is in good condition and that oil is clearly visible, replace if necessary.</li> <li>d. Fill up with oil.</li> <li>e. Remove cover and check lubrication system.</li> </ul>

- f. Ensure all bearing are getting lubrication.
- g. Check that clutches are being lubricated.
- h. Dismantle main spindle bearings.
- i. Check brake lubrication.
- j. Engage clutches and check adjustment, adjust if required.
- k. Check condition of pulleys and belts.
- l. Check clearance on main spindle bearings and adjust if required.
- m. Dismantle clutch from machine.
- n. Repair clutch assembly.
- o. Dismantle clutch assembly from apron box.

**Feed box:**

- a. Test operation of feed box.
- b. Check all levers and selectors, repair where necessary.
- c. Drain oil.
- d. Check that sight glass is in good condition and that oil is clearly visible, replace if necessary.
- e. Fill up with oil.
- f. Inspect lead screws and nuts on long travel.

**Saddle and apron gearbox:**

- a. Drain oil from apron box.
- b. Remove apron gearbox and shafts.
- c. Clean all shafts (feed, screw and direction shafts).
- d. Check and clean half-nuts.
- e. Clean apron box.
- f. Check that sight glass is in good condition and that oil is clearly visible, replace if necessary.
- g. Check condition of all handles and levers.
- h. Check for backlash on compound slide.
- i. Remove compound slide.
- j. Strip and clean compound slide.
- k. 11. Check for backlash on cross travel.
- l. 12. Strip cross slide from saddle.
- m. 13. Clean all cross-slide components.
- n. 14. Strip and remove saddle from machine.
- o. 15. Clean saddle and reassemble.
- p. 16. Reassemble cross slide.
- q. 17. Reassemble compound slide.
- r. 18. Reassemble apron box and shafts.
- s. 19. Check all wipers, replace if required.
- t. 20. Check long travel rack for good working condition.
- u. 21. Repair /replace lead screws and nuts.

**Tailstock:**

- a. Strip and clean and reassemble.
- b. Check clamping lever of tailstock quill for good working condition.
- c. Check condition of quill, check for marks and check lubrication.
- d. Check clamping screw on tail stock is in good working condition.
- e. Check tailstock hand wheel for good working condition.
- f. Check back lash on spindle and nut.
- g. Check wipers on tailstock, replace if required.
- h. Clean tailstock.

**Coolant system:**

- a. Check operation of water pump.
- b. Ensure that water pump is securely fastened.
- c. Check condition of all pipes and valves.
- d. Check condition of swarf pan.
- e. Replace coolant pump pipes if required.

**Chucks:**

- a. Check 3 jaw chucks.
- b. Strip and clean.
- c. Reassemble.
- d. Check 4 jaw chucks.
- e. Strip and clean.
- f. Reassemble.

**Steadies:**

- a. Check steadies.
- b. Strip steadies.
- c. Clean steadies.
- d. Reassemble steadies.

**Machine bed:**

- a. Hone the slide ways to remove any high spots on the slides.
- b. Level bed. Clean machine.

**Electrical:**

- a. Clean panel and assess condition of all electrical components.
- b. Test all electrical functions of machine.

**1.4.1.3 Cropper Machine**

**Mechanical:**

- a. Dismantle all machine covers from machine.
- b. Drain oil from hydraulic power pack.
- c. Clean sight glass on power pack.
- d. Open power pack.

- e. Clean inside of power pack.
- f. Replace oil filter / clean oil strainer.
- g. Check for oil leaks on hydraulic main hydraulic cylinders.
- h. If the above mentioned cylinders are leaking, dismantle cylinders from machine.
- i. Inspect all slides on machine.
- j. Check all hydraulic pipes and connections for wear. Replace damaged pipes and fittings if required.
- k. Ensure that the machine is lubricating all slides.
- l. Test machine for correct operation.
- m. Check bearing wear.
- n. Calibrate stoppers on machines.
- o. Fill all oils on machine including lubrications system with new oil as per specification from OEM. (Wet service)
- p. Removal of all old Lubricants from site after completion of the work on each machine

**Electrical Details:**

- a. Test all limit switches for correct operation.
- b. Test all control panel switches, all motors and contactors.
- c. Clean out electrical panel.
- d. Check panel for hot connections.
- e. Check emergency stops for correct operation.
- f. Check counter and readout system on machine for correct operation.
- g. Check all interlocks and safety devices on machine for correct operation.
- h. Test and Check Lights on machine and repair, install if required.

**1.4.1.4 Guillotine**

**Mechanical:**

- a. Dismantle all machine covers from machine.
- b. Drain oil from hydraulic power pack.
- c. Clean sight glass on power pack.
- d. Open power pack.
- e. Clean inside of power pack.
- f. Replace oil filter / clean oil strainer.
- g. Check for oil leaks on hydraulic main hydraulic cylinders.
- h. If the above mentioned cylinders are leaking, dismantle cylinders from machine.
- i. Inspect all slides on machine.
- j. Check all hydraulic pipes and connections for wear. Replace damaged pipes and fittings if required.
- k. Ensure that the machine is lubricating all slides.
- l. Test machine for correct operation.
- m. Check bearing wear.
- n. Calibrate stoppers on machines.

- o. Fill all oils on machine including lubrications system with new oil as per specification from OEM.  
(Wet service)
- p. Remove all old Lubricants from site after completion of the work on each machine.

**Electrical:**

- a. Test all limit switches for correct operation.
- b. Test all control panel switches, all motors and contactors.
- c. Clean out electrical panel.
- d. Check panel for hot connections.
- e. Check emergency stops for correct operation.
- f. Check counter and readout system on machine for correct operation.
- g. Check all interlocks and safety devices on machine for correct operation.
- h. Test and Check Lights on machine and repair, install if required.

**1.4.1.5 Milling Machine**

**Mechanical:**

**X-Axis**

- a. Clean and inspect x-axis slides.
- b. Inspect the acme lead screws or ball screws and replace if required.
- c. Replace of the ball screw end bearings.
- d. Tension ball screw
- e. Check lubrication on the axis.
- f. Inspect slide wipers where needed.
- g. Check the backlash on the axis.

**Y-Axis:**

- a. Clean and inspect x-axis slides.
- b. Inspect the acme lead screws or ball screws and replace if required.
- c. Replace of the ball screw end bearings.
- d. Tension ball screw.
- e. Check lubrication on the axis.
- f. Inspect slide wipers and replace where needed.
- g. Check the backlash.
- h. Clean slide way covers and monitor condition.
- i. Check the condition of the spindle belt.
- j. Fill all oils on machine including lubrications system with new oil as per specification from OEM. (Wet service)
- k. Removal of all old Lubricants from site after completion of the work on each machine assembly from apron box.

**Z-Axis**

- a. Clean and inspect x-axis slides.
- b. Inspect the acme lead screws or ball screws and replace if required.

- c. Replace of the ball screw end bearings.
- d. Tension ball screw.
- e. Check lubrication on the axis.
- f. Inspect slide wipers where needed.
- g. Check the backlash on the axis.
- h. Clean slide way covers and monitor condition.
- i. Check machine level and re-level if necessary.
- j. Inspect oil levels and oil leaks.
- k. Inspect oil level glass visibilities.
- l. Inspect feed gearbox.
- m. Inspect gears and bearing.
- n. Service lubrication system.
- o. Inspect all levers for operation.
- p. Monitor machine function.
- q. Inspect milling head and grease.
- r. Inspect coolant ipes.
- s. Clean the machine.

**Electrical Details:**

- a. Test all limit switches for correct operation.
- b. Test all control panel switches, all motors and contactors.
- c. Clean out electrical panel.
- d. Check panel for hot connections.
- e. Check emergency stops for correct operation.
- f. Check counter and readout system on machine for correct operation.
- g. Check all interlocks and safety devices on machine for correct operation.
- h. Test and Check Lights on machine and repair, install if required.

**1.4.1.6 Pedestal Drill**

**Mechanical:**

- a. Dismantle all machine covers from machine.
- b. Drain oil from gearbox.
- c. Clean sight oil level site glass.
- d. Replace oil filter / clean oil strainer.
- e. Check for oil leaks gearbox.
- f. Replace all bearing.
- g. Fill all oils on machine including lubrications system with new oil as per specification from OEM. (Wet service)
- h. Removal of all old Lubricants from site after completion of the work on each machine

**Electrical:**

- a. Test all limit switches for correct operation.

- b. Test all control panel switches, all motors and replace contactors.
- c. Clean out electrical panel.
- d. Check panel for hot connections.
- e. Check emergency stops for correct operation.
- f. Check all interlocks and safety devices on machine for correct operation.
- g. Test and Check Lights on machine and repair, install if required.

**1.4.1.7 Roller Machine**

**Mechanical:**

- a. Dismantle all machine covers from machine.
- b. Drain oil from hydraulic power pack.
- c. Clean sight glass on power pack.
- d. Open power pack.
- e. Clean inside of power pack.
- f. Replace oil filter / clean oil strainer.
- g. Check for oil leaks on hydraulic main hydraulic cylinders.
- h. If the above mentioned cylinders are leaking, dismantle cylinders from machine and repair.
- i. Check all hydraulic pipes and connections for wear. Replace damaged pipes and fittings if required.
- j. Ensure that the machine is lubricating all slides.
- k. Test machine for correct operation.
- l. Check bearing wear.
- m. Calibrate stoppers on machines.
- n. Fill all oils on machine including lubrications system with new oil as per specification from OEM. (Wet service)
- o. Removal of all old Lubricants from site after completion of the work on each machine

**Electrical Details:**

- a. Test all limit switches for correct operation.
- b. Test all control panel switches, all motors and contactors.
- c. Clean out electrical panel.
- d. Check panel for hot connections.
- e. Check emergency stops for correct operation.
- f. Check counter and readout system on machine for correct operation.
- g. Check all interlocks and safety devices on machine for correct operation.
- h. Test and Check Lights on machine and repair, install if required.

**1.4.1.8 Band Saws**

**Mechanical**

- a. Dismantle all machine covers from machine.
- b. Drain, clean strainer and replace oil in hydraulic power pack.
- c. Clean sight glass or replace site glass on power pack tank.

- d. Inspect all slides and blade guides.
- e. Replace faulty components.
- f. Check and service hydraulic system.
- g. Grease all lubrication points.
- h. Check all leavers and selectors and repair where required.
- i. Check for backlash on internals.
- j. Strip bearings from machine, replace bearing if required.
- k. Inspect all gears, keys, gear selectors and internal piping. Repair gears, keys where required.
- l. Replace all damaged internal piping.
- m. Check for oil leaks on column cylinders.
- n. If cylinders are leaking, dismantle cylinders and repair cylinder.
- o. Check drive train on all axes and repair if required.
- p. Check all lubrication distribution points; ensure that all lubrication points work.
- q. Clean coolant tank and clean coolant system pump pick-up filter.
- r. Replace coolant pipes if required.
- s. Check all hydraulic pipes and connections on machine replace if required.
- t. Fill all oils on machine including lubrications system.
- u. Perform final geometric test on Machine according to ISO Standards.
- v. Test Machine for correct operation.
- w. Fill all oils on machine including lubrications system with new oil as per specification from OEM. (Wet service)
- x. Removal of all old Lubricants from site after completion of the work on each machine assembly from apron box.

**Electrical:**

- a. Test all limit switches for correct operation.
- b. Test all control panel switches, all motors and contactors.
- c. Clean out electrical panel.
- d. Check panel for hot connections.
- e. Check all interlocks and safety devices on machine for correct operation.
- f. Check emergency stops for correct opera.
- g. Check counter system on machine for correct operation.
- h. Test and Check Lights on machine and repair, install if required

**1.4.1.9 Bending Break**

**Mechanical:**

- a. Dismantle all machine covers from machine.
- b. Drain oil from hydraulic power pack.
- c. Clean sight glass on power pack.
- d. Open power pack.
- e. Clean inside of power pack.

- f. Replace oil filter / clean oil strainer.
- g. Check for oil leaks on hydraulic main hydraulic cylinders. If the above mentioned cylinders are leaking, dismantle cylinders from machine.
- h. Inspect all slides on machine.
- i. Check all hydraulic pipes and connections for wear. Replace damaged pipes and fittings if required.
- j. Ensure that the machine is lubricating all slides.
- k. Test machine for correct operation.
- l. Check bearing wear.
- m. Calibrate stoppers on machines.
- n. Fill all oils on machine including lubrications system with new oil as per specification from OEM. (Wet service)
- o. Removal of all old Lubricants from site after completion of the work on each machine

**Electrical Details:**

- a. Test all limit switches for correct operation.
- b. Test all control panel switches, all motors and contactors.
- c. Clean out electrical panel.
- d. Check panel for hot connections.
- e. Check emergency stops for correct operation.
- f. Check counter and readout system on machine for correct operation.
- g. Check all interlocks and safety devices on machine for correct operation.
- h. Test and Check Lights on machine and repair, install if required.

**1.4.2 MAINTENANCE INTERVALS**

The inspection and maintenance intervals shall be quarterly and on an as and when required basis. This will be the breakdown circumstances.

**1.5 DELIVERABLES**

The service provider shall ensure that the reports and documentation pertaining the service and maintenance of the machines are submitted to the Client’s Representative. Below is a table that entails the minimum details to be contained in the report.

The agreed template will be provided to the Service Provider upon finalization of the contract and prior to the initial rendering of the services

**Table 1: Report Minimum Required Information**

System	Report Content
Housekeeping	The initial housekeeping prior to the execution of the task and the resulting housekeeping condition after the execution of the task
Machine condition	The condition of the machines prior to starting the task and the

	condition of the machine after the task has been completed
Lock-out facility	The condition of the lockout system to ensure the safety of both the Service Provider and the Client's personnel
Out-of-Normal Condition	The identification of any out of normal condition on the machine, both prior and post servicing and maintenance execution
Electrical System	The condition of the electrical system of the machine
Environmental Condition	Identification of any environmental contravention, <i>if any</i> , in relation to, <i>but not limited</i> , the drip tray conditions, oil or grease leaks, etc.
Cooperation Between Service Provider and the Client	Ease of access to the machine and cooperation by the Client's personnel for the execution of the task.
Parts and Consumables	Details of all parts and consumables used
Duration	The duration of the task from start to finish
Machine Specification	The details of the machine maintained which shall include the name, serial number, asset number, design specs and data of the machine.
Recommendations	Any recommendations outside of the contractual agreement of the execution contract of this scope of work.
Service Report	Detailed service report of all work done and list off all replacement parts used

**1.6 Assessment criteria**

Upon completion of the maintenance task, the Service Provider shall ensure that a Client's Representative, *to be identified as and when required*, inspects and signs off the work executed prior to the acceptance of the work as complete in accordance with the contract by the Client's Representative. The Servicer Provider shall ensure that records are kept for the duration of the contract while the Client's Representative shall ensure that records are kept safe for the duration as stipulated in the maintenance philosophy.

**1.7 Warranty**

The work performed is warranted to be free from defects in material and workmanship from date of completion to the following periods. The warranty shall cover:

- a) New electrical and Mechanical parts as stipulated by OEM.
- b) Workmanship for 6 Months after acceptance of work by the Client
- c) The product must be used in accordance with manufacturer's recommendations and must not have been subject to abuse, lack of maintenance, misuse, negligence, or unauthorized repairs or alterations. Should any defect in material or workmanship occur during the above time period in any product, as determined by supplier inspection of the product, the Service Provider, agrees, at its discretion either to replace (not including installation) or repair the part or product free of charge.

**1.8 Eligibility evaluation criteria**

The Service Provider intending to tender for this work shall ensure they are and/or employ qualified and competent personnel in the field of Maintenance. Notwithstanding other requirements that may arise during the tender process, the following are the minimum requirements.

1.8.1 Qualified Trade Tested Artisans

1.8.2 Proof on Knowledge of Machinery Safety

1.8.3 Proof of Knowledge of the OHS Act requirements.

1.8.4 Must have worked on similar machines before, e.g., Lathes, Milling machines, etc.

1.8.5 Must be capable of undertaking the magnitude of the work as per the contract.

1.8.6 Must be mobile and readily available for breakdowns in Rosherville and Matla Works.

### **1.9 General constraints**

The following are the general constraints that are to be considered:

1.9.1 Working in an operational environment where machines and equipment are being handled.

1.9.2 Negotiating with Production Managers to arrange planned shutdowns specific within the contractual interval requirements

1.9.3 Minimizing down periods as production will still be taking place in and round the vicinity of the working area.

1.9.4 Working in areas where there are vehicle and pedestrian traffic.

1.9.5 Accuracy of existing information may be outdated and need to be verified on site prior to proceeding with any work.

### **1.10 Terms and Conditions**

The successful Service Provider will be expected to adhere to the following minimum conditions:

- a) Adherence and compliance to the health and safety standards set out by the Client.
- b) Provide adequate PPE to its employees.
- c) Provide its own working and fully functional tools.
- d) Fully sign and complete the PM Orders.
- e) Issue the service report for the work done and fully signed by the responsible Technician or Supervisor.
- f) Respond to the call out within 6 hours after receiving a call out.
- g) Hand over the replacement (parts removed from the machine) parts to the Client.

## **1 KEY DELIVERABLES**

**The following deliverables are to be met by the service provider:**

- No customer complaints
- Compliance to all ERI Work Instructions, processes, procedures, and standards
- No SHEQ incidents
- Project Milestones are to be achieved on time, or earlier

## **2 Key Performance Indicators**

The performance of the contractor will be evaluated on the KPIs in the table below:

Objective	Key Performance Indicator	Measure	Unit of Measure	Source of Evidence
Zero Defects	Zero Defects	Equipment delivered and operated defect free	Nr	To be provided by Employer
Due Date Performance – turnaround time	Due Date Performance	Actual delivery date versus supplier committed delivery date	Days	To be provided by supplier
Due Date Performance – turnaround time	Due Date Performance	Actual delivery date versus supplier committed delivery date / Turnaround time to exchange or on emergency max 24hours	Hours	To be provided by supplier

**C3.1: EMPLOYER’S SERVICE INFORMATION**

**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 proactively 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.

**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  
 Eskom Rotek Industries  
 Accounts Payable Department  
 Lower Germiston Road  
 Rosherville

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)

**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.

**Health and safety, the environment and quality assurance****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 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 Service Information.

**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.

**Equipment provided by the Employer**

Some Employer's obligations are stated in the Scope of Work above and these will be detailed in the Plan.

**Hook ups to existing works**


Not Applicable

**Tests and inspections****Description of tests and inspections**

Not Applicable

**Materials facilities and samples for tests and inspections**

Refer to Scope of Work

		<b>Task Order for use with NEC3 Term Service Contract</b>	
		<b>Department:</b>	
Contract No: <b>46</b> _____		Task Order No: <b>45</b> _____	
<b>Part One: Data provided by the Employer</b>			
		<i>Employer's postal address:</i>	
		<i>Employer's representative:</i>	
<b>Eskom Rotek Industries SOC Ltd.</b>		Name	
<b>Turbo Gen Services</b>		Tel	
<b>P. O. Box 40099</b>		Fax	
<b>Cleveland</b>		Cell	
<b>2022</b>		E-mail	
<b>Detailed description of the work in the Task</b>			
<b>Services and other things provided by the Employer</b>			
Starting date:		Task Completion Date:	
Delay damages:			
The period of reply to a communication for this Task Order is:	2 working days	The Contractor submits a revised programme for this Task Order every	
<b>Contractor's representative:</b>		<b>Employer's representative:</b>	
Signature: _____		Signature: _____	
<b>Part Two: Data provided by the Contractor</b>			
		<i>Contractor's postal address:</i>	
		<i>Contractor's representative:</i>	
		Name	
		Tel	
		Fax	
		Cell	
		E-mail	
<b>Additional compensation events</b>			

Any other activities not covered by this Task Order  
 Any extension to the planned completion Date.  
 Any delays to the program caused by other contractors.

**Additional data**

**Assessment schedule (Part 1. 50.1)**

The full value of this task order will be invoiced upon completion.

**Contractor's representative:**

Signature: \_\_\_\_\_

**Employer's representative:**

Signature: \_\_\_\_\_

**Price List**

Item nr.	Description	Unit	Qty	Unit price	Subtotal	Total Price

**Total of the Prices for this Task Order**

**Total of the Prices for this Task Order (in words):**

**All Prices in this Task Order exclude VAT**

**The above prices are valid for 30 days from the date of the *Contractors* signature below**

<b>Contractor's Delegated Authority:</b> Signature: _____ Name: _____ (Print) Date: _____	<b>Employer's Delegated Authority:</b> Signature: _____ Name: (Print) _____ Date: _____
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