

# NEC3 Term Service Contract (TSC3)

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

and

for **THE DEVELOPMENT, IMPLEMENTATION, SUPPORT  
AND MAINTENANCE OF A TURBINE ENGINEERING  
INTEGRATED SYSTEM.**

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**Contents:**

<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:**

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

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**Contents:**

<b>C1.1</b>	<b>Form of Offer and Acceptance</b>
<b>C1.2a</b>	<b>Contract Data provided by the <i>Employer</i></b>
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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 DEVELOPMENT, IMPLEMENTATION, SUPPORT AND MAINTENANCE OF A TURBINE ENGINEERING INTEGRATED SYSTEM.**

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 company incorporated in terms of the company 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>Mpho Nengovhela</b>  <b>ERI Rosherville Offices</b>  <b>+27 11 629 4389</b>  <a href="mailto:nengovme@eskom.co.za">nengovme@eskom.co.za</a>
11.2(13)	The Affected Property is	<b>Various Eskom Sites.</b>

11.2(14)	The <i>service</i> is	The development, implementation, support and maintenance of a turbine engineering integrated system.
11.2(15)	The following matters will be included in the Risk Register	<ul style="list-style-type: none"> <li>• <b>Scope creep and emergent work</b></li> <li>• <b>Pandemics</b></li> </ul>
12.2	The Service Information is in	<b>Part 3: Scope of Work and all documents and drawings to which it makes reference</b>
13.1	The <i>law of the contract</i> is the law of	<b>the Republic of South Africa</b>
13.3	The <i>language of this contract</i> is	<b>English</b>
<b>2</b>	The <i>period for reply</i> is	<b>2 hours for emergency / 12 hours for Planning, Immediately for Health and Safety issues.</b>
<b>21.1</b>	<b>The Contractor's main responsibilities</b>	<b>As per the scope of work defined in Part 3 of this contract.</b>
<b>3</b>	The <i>Contractor</i> submits a first plan for acceptance within	<b>One week of the Contract Date and as stated in each Task Order, as applicable.</b>
<b>30.1</b>	<b>Time</b>	
30.1	The <i>starting date</i> is.	<p><b>Date of Signature of contract and issue of the official order.</b></p> <p><b>The individual Task order dates will stipulate start and end dates, this will apply per SOW and must be mutually agreed between both parties</b></p>
<b>4</b>	The <i>service period</i> is	<p><b>3 Years from date of signature.</b></p> <p><b>This contract is an enabling contract the need will be dictated by business requirements.</b></p>
<b>42</b>	The defects date is	<p><b>52 weeks after the completion of each task order.</b></p> <p><b>The time to respond to a defect's notification will be 2 calendar days.</b></p>
<b>42(cont.)</b>	<b>Notifying and correcting Defects</b>	<b>As per clause 42.1, 42.2 and 42.3 of the NEC contracts</b>
<b>50.1</b>	<b>Payment</b>	
51.1	The <i>assessment interval</i> is	<p><b>As stated on each individual Task Order.</b></p> <p><b>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.</b></p> <p><b>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.</b></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 Materials	The replacement cost where not covered by the <i>Employer's</i> insurance.

		The Employer's policy deductible as at contract date, where covered by the <i>Employer's</i> insurance.
	Loss of or damage to Equipment	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.
	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	<b><u>Loss of or damage to property</u></b> The replacement cost  <b><u>Bodily injury to or death of a person</u></b> The amount required by the applicable law.
	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	The amount required by the applicable law
<b>9</b>	<b>Termination</b>	
<b>90.1</b>		<b>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."</b>
<b>90.2</b>		<b>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.</b>
<b>90.3</b>		<b>Will apply in respect of payment. All outstanding invoices and Delivery notes will be required by the Employer.</b>
<b>92</b>	<b>Procedure on Termination</b>	
	The procedure will be as per 92.1.	<ol style="list-style-type: none"> <li>1. The procedure will be as per 92.1. The <i>Employer</i> 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>
	<b>Data for main Option clause</b>	<b>Option A</b>
<b>20.5</b>		<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	<b>Not applicable as the full supply of the <i>service</i> is unknown.</b>

	<i>service</i> at intervals no longer than	
<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 3 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><b>X19.3</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.</p>
The <i>additional conditions of contract</i> are		Z1 to Z11 always apply.
Z1	Cession delegation and assignment	
Z1.1	The <i>Contractor</i> does not cede, delegate or assign any of its rights or obligations to any person without the written consent of the <i>Employer</i> .	

Z1.2	Notwithstanding the above, the <i>Employer</i> may on written notice to the <i>Contractor</i> 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 <i>Contractor's</i> legal status, ownership or any other change to his business composition or business dealings results in a change to the <i>Contractor's</i> B-BBEE status, the <i>Contractor</i> notifies the <i>Employer</i> within seven days of the change.
Z3.2	The <i>Contractor</i> is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the <i>Service Manager</i> within thirty days of the notification or as otherwise instructed by the <i>Service Manager</i> .
Z3.3	Where, as a result, the <i>Contractor's</i> B-BBEE status has decreased since the Contract Date the <i>Employer</i> may either re-negotiate this contract or alternatively, terminate the <i>Contractor's</i> obligation to Provide the Service.
Z3.4	Failure by the <i>Contractor</i> to notify the <i>Employer</i> of a change in its B-BBEE status may constitute a reason for termination. If the <i>Employer</i> 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 <i>Contractor</i> , 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	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.  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.
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.
<b>Z5</b>	<b>Confidentiality</b>
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.
<b>Z6</b>	<b>Waiver and estoppel: Add to core clause 12.3:</b>
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.
<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	Delete the last paragraph of core clause 61.3 and replace with:  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.
<b>Z10</b>	<b>Suspension of Task Order</b>
Z10.1	<b>Suspension of Task Order</b> In addition to X19, the following shall apply: Only the <i>Employer</i> is allowed to suspend or cancel a Task Order and the <i>Contractor</i> 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.
<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 <i>Employer's</i> notice period without any liability to the <i>Employer</i> .
Z11.4	Over and above clause Z4, The <i>Employer</i> 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 <i>Employer</i> may terminate the <i>Contractor's</i> obligation to Provide the Service if a Committing Party has taken such Prohibited Action and the <i>Contractor</i> did not take timely and appropriate action to prevent or remedy the situation, without limiting any other rights or remedies the <i>Employer</i> 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 <i>Employer</i> can terminate the <i>Contractor's</i> 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	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 *Contractor's* Copyright Documents supplied to the *Employer* under the Contract for the purpose of operating, maintaining, adjusting and repairing the Service.

The *Contractor* shall not under any circumstances be obliged to divulge or supply any proprietary manufacturing documents, and design drawings.

#### Patents and Trademarks

In the event of any claims being made or actions brought against the *Employer* on the ground that the Service, Plant and Materials or the design information provided by the *Contractor* 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 *Contractor* 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 *Employer* shall not, before the *Contractor* shall have failed to take over the conduct of the negotiation or litigation, make any admission which might be prejudicial thereto. The *Employer* shall at the request of the *Contractor* afford him all technical assistance that the *Employer* is able to provide for the purpose of contesting any such claim or action

Should it be held in any such action that any such protected rights has been infringed, the *Contractor*, has the choice to replace or continue with the affected design at its own expense and in consultation with the *Employer*, shall either: procure for *Employer* 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.

Notwithstanding anything contained in this Contract, the foregoing sets forth the entire responsibility of *Contractor* with respect to claims relating to infringement and shall not apply in the case where the infringement is attributable to *Contractor* for which *Employer* shall protect *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> The <i>Contractor</i> will provide proof of payment for accommodation cost for each task Order issued.
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<b>Z16</b>	<b>Working time</b>  Standard normal time work schedule will be 10 hours per day, 6 days per week for maintenance and as per outage requirements for projects.  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.  Overtime may not exceed 20 hours per week subject to Department of Labour dispensation.
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<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.
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<b>Z18</b>	<b>Nuclear Liability</b>  <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
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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 *Contractor* or its suppliers. In addition, *Employer* shall obtain and maintain, without cost to *Contractor*, 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 *Contractor*, *Employer* shall provide proof of such insurance as required in this Paragraph A, and *Contractor* has the right to reject *Employer's* task order without liability of any kind, if the insurance does not meet the conditions set forth herein.

## B. LIABILITY PROTECTION

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.

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 *Contractor* or its suppliers, *Employer* will establish, without cost to *Contractor*, 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 *Contractor* and its suppliers under the original system and this Appendix A. *Employer* shall promptly advise

## DEFINITIONS AND OTHER PROVISIONS

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.
<b>Z22</b>	<b>Retention</b>
	<b>A retention figure of 5% per Task Order will be held to measure KPI compliance.</b>

## C1.2 Contract Data

### Part two - Data provided by the Contractor

Clause	Statement	Data
10.1	The <i>Contractor</i> 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 <i>Contractor's</i> 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	<p>(12) The Price List is the <i>price list</i> unless later changed in accordance with this contract.</p> <p>(17) The Price for Services Provided to Date is the total of</p> <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> <p>(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.</p>
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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 development, implementation, support and maintenance of a turbine engineering integrated system.

#### 2. Scope of Work/Business requirements

##### 2.1 High level requirement

The high-level requirement for the business is to have a stand-alone centralized integrated digital system with automated control documents and storage for technical data with a capability of real time collaboration between site and engineering during outage/maintenance execution of power plants for checksheets.

##### 2.2 Deliverable

Develop, Implement, train, and provide system maintenance of a centralize system to digitalize the control documents (Check-sheets, **(Check Sheet Specimen Ref 1)**) system with a capability of approval and rejection of the inputs by high level technical and engineering hierarch and escalation thereof. The system must be capable of promptly producing engineering check sheet report at the end of the outage and/or maintenance project. The supplier must also supply robust handheld tablets (Tough book). All designs specifications must be loaded on the developed system with intelligent decision-making capabilities. The solution must include automatic notification and escalation of out of specification conditions.

##### 2.3 Detail Requirements

- Supply robust handheld tablet (Tough Book) x 30 units per Station. (**Robust handheld tablet (Tough book) specification Ref 2.**)
- Build electronic system into the Tough Book to computerise checksheets for outages and maintenance projects per station.
- Digital control document system: The supplier must develop, implement engineering assistance system, and train employees to create future checksheets.
- The system must have a built-in parameter to assist engineering in decision making during refurbishment of power plants. The system must have the capability to escalate and notify Supervisor, Technicians, Engineers (ERI; Client & OEM) and Seniors as soon as technical out of specification conditions are identified.
- The system must allow employees to retrieve checksheets from storage for ease of reference during outages.
- The system must allow employees to fill inputs from actual measurements instead of utilizing paper for data storage.
- The system must provide a platform to escalate the approvals of technical information to high level.
- The system must present real time status of technical inputs.
- The system must present the ability to verify inputs electronically with electronic signatures features.
- The system must be IOS and Android compliant.
- The system must provide a wireless connection capability.
- The system must be able to analyse the data and present information on reporting. This must be built into the system.
- A list of Power plants (**List of Power Station Ref 3**) is attached where the solution will be utilised. On full implementation that will include all Eskom Sites and ERI Workshops.

- Included in the solution is the platform for external stakeholders to contribute electronically during outages. e.g. OEM etc.
- Closed loop electronic solution from control documents generation, operation, support and back to the signoff of the checksheets. (**Check sheet process flow Ref 4**).
- The system must cater for a controlled change management process when any templates are updated.
- System must make provision mobile cellular applications compatibility.
- Provision must be made for wireless connection.
- Provision must be made for network on the turbine floor during the trial phase.
- Data security assurance.
- The system must centralize all the checksheet information on the cloud.
- Supply Wi-Fi connectivity during the trial stage.
- The system must be capable of uploading pictures, videos and/or drawings.
- The system must be compatible to be integrate to other Eskom third party IM internally and externally developed systems. (e.g. SAP, Solid works, Bentley asset management, Microsoft systems etc).

## 2.4 Specific Requirements

- **Cloud Based** – Cloud based solution hosted securely within the boundaries of RSA.
- **Azure Tenant Integration** – Use Azure Tenant infrastructure for authentication and authorization, ensuring that only authorized users can access the system and its features. Seamlessly integrate with the company's existing Azure infrastructure.
- **Notifications/Alerts** – Send prompt notification to the application and send email notifications for task activities, approvals/rejections, and escalations. Enable notifications to be sent directly to team members via email.
- **System Testing** - The vendor's testing team is responsible to acquire the testing requirements, develop the test cases, and conduct testing to ensure that the solution is comprehensively evaluated for implementation in the Eskom IT environment.

The testing staff may not be the same staff as the configuration, development and implementation staff assigned to the Project. The tenderer must make sure skilled adequate resources with an experienced test manager are deployed to test the system

- **Information Security** - The solution shall adhere to stipulated Eskom Information Security requirements which will be shared with the vendors.
- **Mobile Accessibility:** Ensure that the system is accessible on mobile devices for Supervisors; Technicians; Engineers; Quality; OEM and Management teams to update information and access technical data in real-time

## 3. System Lifecycle

The solution required to advance the need's life cycle should meet the following requirements:

### Development time frame.

The period required time for development of the system.  
1- 2 Years.

### Implementation Plan

The final implementation planed period for rolling out the system.  
1-3 years.

## Support and Maintenance

The period required for Support & Maintenance.  
1-3 years.

## 4. Applicable standards

The following standards are applicable but not limited to.

- CISM: Certified Information Security Management
- ISO27001: International Information Security Management
- ISO27005: Information Security Risk Management
- ISO27032: Cyber Security Management

## 5. SHEQ Requirements

**All service providers are expected to comply with, but not limited to the following during the implementation of the system at all sites:**

- Compliance with the Occupational Health and Safety Act 85 of 1993 is compulsory.
- Adherence to Quality Management System Policies, Procedures, and related requirements of ISO 9001.
- Adherence to Occupational Health and Safety Policies, Procedures, and related requirements of the OHSAS 18001.
- Adherence to environmental aspects, related impacts and legal requirements associated with work activities in accordance with ISO 14001.
- Adherence to Eskom Life Saving Rules.
- Compliance with the Eskom Plant Safety Regulations.
- Only authorised documents and processes are to be used in the execution of duties.
- Continuously seek methods for improvements from a process, quality, and safety perspective.
- Obey all instructions.
- Familiarize with:
  - The applicable work instructions and procedures in place.
  - Safe working conditions and procedures.
  - All legal and contractual requirements.
  - Discipline and integrity.
- Compliance to all ERI Work Instructions, processes, procedures, and standards.
- Adherence to ERI's disciplinary code or practice.
- Set example to co-workers and others.
- Participate in Risk Assessments.
- Responsible for own safety.
- Responsible for Personal Protective Equipment issued.
- Execute duties promptly and safely.
- Safeguard tools and safety equipment issued.

- Keep good relationship with all personnel.
- Compile a HIRA for all activity that needs to be performed.
- Ensure the activities are carried out following a Works Instructions and Procedure.
- All activities to be carried out as per the documented processes and comply with the requirements of ISO and OHSAS certification.
- Service provider to comply to Eskom PPE (Personal Protective Equipment) Policy with when working onsite.
- All work carried out by the service provider must meet the minimum SABS and SANS standards.
- Tools and equipment to be stored correctly in a safe place when conducting work on site.

**6. Key performance indicators**

Objective	Indicator	Measure	Unit of Measure	Source of Evidence
Safety Sustainability	LTI Free days	LTI Free days	Days	To be provided by supplier
Turnaround Time	Available within 24 hours	Number of queries responded to in 24 hours	Each/Day	To be provided by supplier
Due Date Performance	Due Date Performance	Average contracted outage days saved	Days	To be provided by supplier
Reduce the Number of Rework Incidents	No of Rework Incidents	Number of Rework Incidents	Each	To be provided by supplier
Reduce the Rework Duration	Rework Duration (Days additional to planned outage duration)	Number of Days Rework Duration Impacts Outage Due Date	Days or Hrs	To be provided by supplier
No of Legal & Environmental Contraventions	No of Legal & Environmental Contraventions	Number of contraventions	Each	To be provided by supplier
Zero Fatalities Excl 3rd party at fault	Zero Fatalities Excl 3rd party at fault	Number of fatalities	Each	To be provided by supplier

**7. Special Notes**

1. The solution must have the capability to recover information in disaster situations and must have capability to adapt to future changes on technological trends. The system must be able to work offline when the network is down.
2. Upon completion of the project, the intellectual property shall belong to ERI however, expected maintenance and licensing fee must be clearly stipulated on the quotation.
3. Bidders shall present details of the system functionality; technical ability; cyber security; integration and testing as well as cloud requirements as indicated in the evaluation criteria (**refer to the attached excel file: ERI TGS Technical Engineering Technical Integration System**).
4. Unlimited number of user licenses, however a customized licenses model can be proposed, and it will be considered and evaluated.

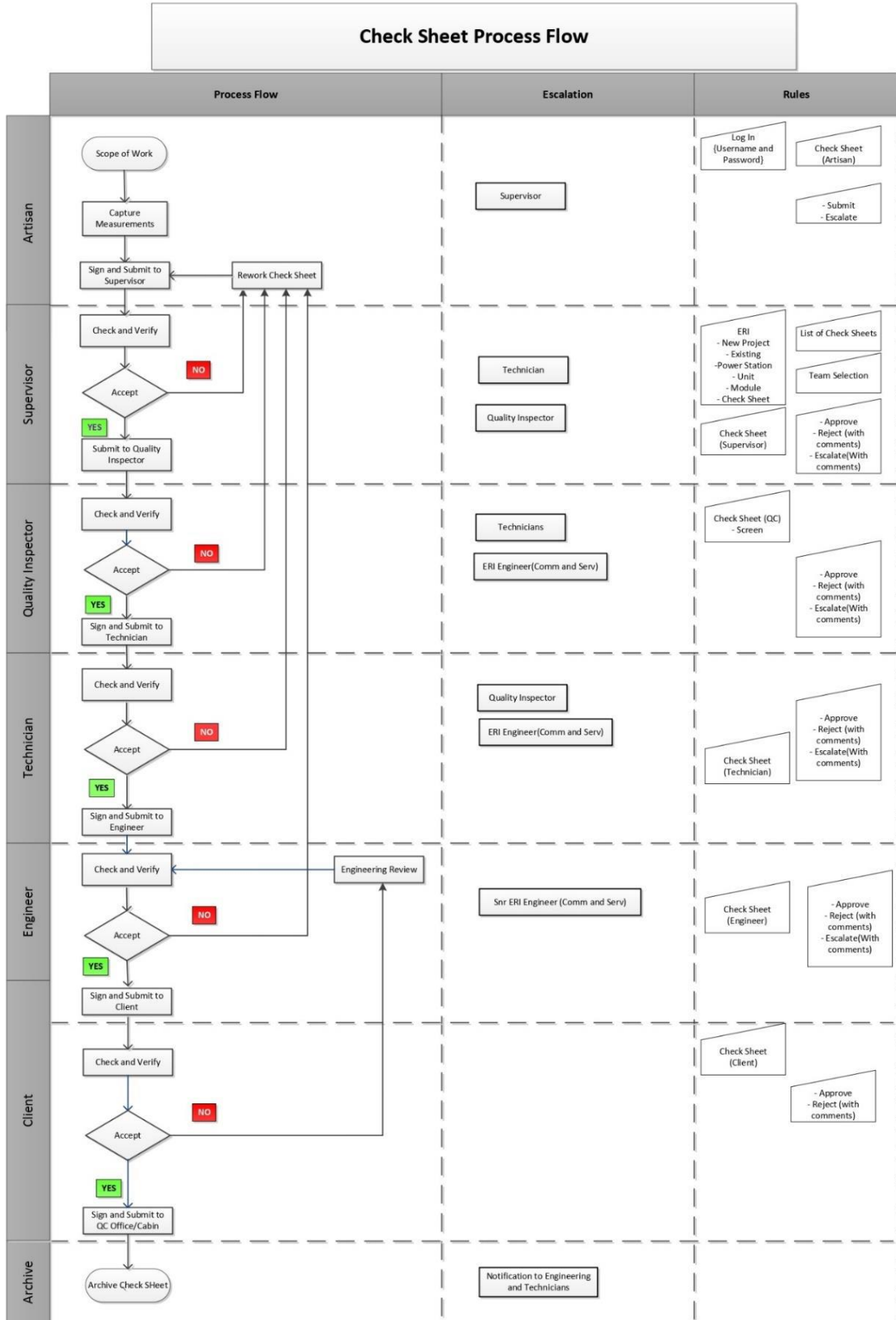


- Biometrics: Figure Print.
- Camera
  - Rear camera: 8Mp.
  - Front camera: 5Mp.
- Connectivity.
  - Network: 2G:3G:4G&LTE.
  - Bluetooth: Transmitted distance10m.
  - NFC: Short range wireless communication.
  - Wi-Fi.
  - GPS.
- Durability
  - Drop certification: MIL-STD-810H.
  - Humidity: 95% non-condensing
- Input/Output (I/O)
  - USB 3.1
  - USB Type-C (Full function/HDMI/Charging).
  - Standard Earphone jack.
  - HDMI 2.1a Mini.
  - Sim/TF Card.
  - 2Pin Pogo Pin (USB/Docking charging)
  - RJ45
  - RS232
  - USB2.0
  - 2D Bar/QR code Scanner
- Inclusions:
  - Stylus pen, docking station, sling, carry handle and shoulder strap.

Ref 3 List of Power Station

No	Station Name	Location
1	Matla Power Station	Mpumalanga
2	Lethabo Power Station	Free state
3	Matimba Power Station	Limpopo
4	Duvha Power Station	Mpumalanga
5	Majuba Power Station	Mpumalanga
6	Tutuka Power Station	Mpumalanga
7	Kendal Power station	Mpumalanga
8	Medupi Power Station	Limpopo
9	Kusile Power Station	Mpumalanga
10	Arnot Power Station	Mpumalanga
11	Kriel Power Station	Mpumalanga
12	Camden Power Station	Mpumalanga
13	Hendrina Power Station	Mpumalanga
14	Grootvlei Power Station	Mpumalanga





Contractor's Name

**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 and _____</i>

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:  Delay damages:  The period of reply to a communication for this Task Order is:	   2 working days	Task Completion Date:  The <i>Contractor</i> submits a revised programme for this Task Order every	
<b>Contractor's representative:</b>  Signature: _____		<b>Employer's representative:</b>  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.						
<b>Additional data</b>						
<b>Assessment schedule (Part 1. 50.1)</b> The full value of this task order will be invoiced upon completion.						
<b>Contractor's representative:</b>  Signature: _____				<b>Employer's representative:</b>  Signature: _____		
<b>Price List</b>						
Item nr.	Description	Unit	Qty	Unit price	Subtotal	Total Price
<b>Total of the Prices for this Task Order</b>						
<b>Total of the Prices for this Task Order (in words):</b>						
<b>All Prices in this Task Order exclude VAT</b>						
<b>The above prices are valid for 30 days from the date of the <i>Contractors</i> signature below</b>						
<b>Contractor's Delegated Authority:</b>  Signature: _____  Name: _____ (Print)  Date: _____				<b>Employer's Delegated Authority:</b>  Signature: _____  Name: (Print) _____  Date: _____		